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September 4, 1945

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Interference Notice

U. S. PATENT OFFICE, Richmond, Va., August 8, 1945.

Elgan H. Carlton, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of M & M Limited, 271 Clinton Ave., Newark 8, N. J., for registration of a trade-mark and trade-mark registered September 28, 1926, No. 218,671, to Elgan H. Carlton, 1228 Hemphill St., Fort Worth, Texas, and the notice of such proceeding sent by registered mail to said Carlton at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Carlton, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Adjudicated Patents

(D. C. N. J.) Lorenz patent, No. 2,084,446, for a process for manufacture of soap and glycerine, claims 1 to 19 Held invalid. *Lorenz v. Colgate-Palmolive-Peet Co.*, 60 F. Supp. 824; 65 USPQ 514.

(D. C. Mich.) Sibley patent, No. 2,291,354, for a rotary pump, Held invalid and not infringed. *Eaton Mfg. Co. v. Sibley*, 60 F. Supp. 801; 65 USPQ 571.

Notice of Cancellation

U. S. PATENT OFFICE, Richmond, Va., Aug. 11, 1945.

Charles G. Romano, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Roma Wine Company, Lodi, Calif., to effect the cancellation of trade-mark registration of Charles G. Romano, 49 W. Third St., New York, N. Y., No. 328,622, dated October 1, 1935, and the notice of such proceeding sent by registered mail to the said Romano at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Romano, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Disclaimers

1,834,111.—*Fredrich J. Rode*, Chicago, Ill. METAL WORKING PRESS. Patent dated Dec. 1, 1931. Disclaimer filed July 27, 1945, by the inventor; the licensee, *E. W. Bliss Company*, approving and consenting.

Hereby enters this disclaimer to claims 1 to 13 inclusive, and claims 17 and 19 in said specification.

2,240,699.—*Edwin L. Harder*, Forest Hills, and *Edward H. Klemmer*, Wilkesburg, Pa. DIFFERENTIAL PROTECTIVE RELAYING. Patent dated May 6, 1941. Disclaimer filed Aug. 1, 1945, by the assignee, *Westinghouse Electric Corporation*, formerly *Westinghouse Electric & Manufacturing Company*.

Hereby enters this disclaimer to claims 1, 2, 10, 13, 14, and 22 of said patent.

2,333,507.—*James G. Bair*, Pittsburgh, and *Joseph T. Shull*, Zellenople, Pa. ANKASIVE BELT GRINDER. Patent dated Nov. 2, 1943. Disclaimer filed July 31, 1945, by the inventors.

Hereby enters this disclaimer to claim 2 of said patent.

2,362,294.—*Albert H. Mitag*, Schenectady, N. Y. ELECTRIC CONTROL CIRCUIT. Patent dated Nov. 7, 1944. Disclaimer filed July 27, 1945, by the assignee, *General Electric Company*.

Hereby enters this disclaimer of claims 9, 10, and 11 of said patent.

Condition of Applications Under Examination at Close of Business August 18, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 67,752; Trade-Mark Division, 2,767. Oldest new case, August 25, 1944; oldest amended, September 2, 1944.)
(The dates given are 1944 except where † indicates 1945.)

DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS

	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spitoons; Sewerage.	Nov. 8	Nov. 18	1060
2. HEBERMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Sept. 30	Sept. 27	1262
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part).	Nov. 20	Nov. 2	1285
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Nov. 30	Dec. 5	999
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Sept. 5	Sept. 2	1732
6. GENIESSE, E. W., Carbon Chemistry (part).	Dec. 8	Dec. 30	1180
7. JARBOE, C. G., Optics, Photography.	†Mar. 7	†Mar. 16	981
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets.	†Feb. 23	†Feb. 6	1042
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors.	†Oct. 19	†Oct. 21	1182
10. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Mar. 29	†Mar. 31	947
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control.	Sept. 21	Sept. 27	1361
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	Nov. 4	Nov. 7	993
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery.	†Mar. 3	†Feb. 7	803
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	†Feb. 13	†Jan. 17	846
16. SPENCER, C. J., Telegraphy; Telephony.	†Jan. 30	†Jan. 20	821
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Oct. 24	Oct. 5	649
18. KURZ, J. A., Motors, Expansive-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Dec. 13	Oct. 21	1142
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Nov. 8	Nov. 11	720
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Hooks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Sales.	†Jan. 18	†Feb. 7	769
21. THOMPSON, T. J., Textiles.	†Feb. 27	†Feb. 14	484
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance.	Dec. 27	Dec. 29	1361
23. LEWIS, J. B., Cash Registers; Calculators (part).	†Jan. 11	†Dec. 7	152
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines.	†Feb. 14	†Feb. 7	831
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Nov. 18	Dec. 12	987
26. YOUNG, R. R., Electricity—Generation and Motive Power.	Oct. 27	Oct. 20	1188
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Oct. 30	Sept. 18	1093
28. BELYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	Oct. 5	Oct. 3	997
29. SEKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	Nov. 17	Nov. 11	1167
30. MCCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidistats; Heating Systems; Ammunition and Explosive Devices.	Dec. 23	Dec. 12	1242
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils.	†Mar. 27	†Mar. 24	779
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	†Feb. 5	†Jan. 26	919
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	†Jan. 5	†Jan. 8	1144
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Dec. 8	Dec. 16	647
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Nov. 11	Nov. 6	988
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring.	Dec. 11	Dec. 9	751
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers.	Sept. 20	Sept. 18	1130
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation.	Nov. 18	Nov. 8	884
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution.	Nov. 14	Nov. 15	1240
40. DRUMMOND, E. J., Receptacles (part); Packages.	Dec. 14	Dec. 20	1433
41. HERTZ, M., Coin Handling; Records; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Dec. 4	Dec. 9	634
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters.	†Jan. 26	†Jan. 29	653
43. FEDERICO, F. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Dec. 8	Nov. 28	794
44. HARVEY, L. P., Refrigeration; Preserving.	Aug. 25	Sept. 11	680
45. HILL, H. D., Shaking and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Nov. 24	Nov. 27	1315
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Nov. 6	Nov. 28	751
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part).	†Feb. 9	†Jan. 15	1140
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters.	Nov. 28	Nov. 30	1250
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	†Feb. 7	†Feb. 6	694
50. LEVIN, SAMUEL, Synthetic Resins.	†Jan. 16	†Jan. 18	1485
51. CROCKER, A. W., Radiant Energy; Modulators.	Nov. 29	Nov. 29	1882
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fasteners; Pipes and Tubular Conduits.	Oct. 12	Oct. 25	1584
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Bladders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Sept. 1	Sept. 29	1283
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Sept. 18	Sept. 18	1825
55. BOWEN, R. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part).	†Jan. 8	Dec. 30	915
56. COCKEILL, S., Electrical and Wave Energy Chemistry; Paper Making.	Oct. 9	Oct. 27	1017
57. NICKOLSON, D., Toys; Amusement and Exercising Devices; Cutting and Funching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Nov. 6	Oct. 28	1086
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	†Feb. 23	†Jan. 30	743
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part).	Oct. 2	Oct. 6	1417
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Nov. 10	Nov. 7	1128
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Sept. 23	Dec. 18	1061
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors.	Oct. 3	Oct. 4	1886
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Nov. 7	Nov. 18	1483
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel.	†Apr. 13	†Apr. 11	752
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Oct. 2	Oct. 2	1827
TRADE-MARKS: RICHMOND, F. A.	†May 5	†June 15	2767
DESIGNS: KALUPY, H. H.	†May 25	†June 26	1616

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE STROMMEN

No. 4,985. Decided April 9, 1945

[149 F.(2d) 156; 65 USPQ 366]

1. PATENTABILITY—CLAIM—ATTEMPTED AMENDMENT.

Held that the mere fact that appellant's attorney attempted to clarify the claim on appeal by amendment "should not, under the circumstances at bar, be regarded as a confession that the unamended claim should have been construed as having undue breadth."

2. SAME—ALLOWED CLAIMS AS MEASURE OF PATENTABILITY OF REJECTED CLAIMS.

"While it is a settled rule in this kind of case that the allowability of an appealed claim is not controlled by the fact that similar claims have been allowed. *In re Zalkind*, 28 C. C. P. A. (Patents) 959, 118 F.(2d) 356, 49 USPQ 97, 529 O. G. 511, it is sometimes necessary to consider allowed claims together with appealed claims where they are referred to in the Board's decision and the exact views of the Board are to be determined."

3. SAME—HEARING AID.

The appealed claim of appellant's application on a sonic method of fitting a deafened person with a hearing aid held to distinguish in a patentable sense over the reference patent, and to define an improvement, new and useful, which is entitled to patent protection.

APPEAL from the Patent Office. Reversed.

Messrs. Hoguet, Neary & Campbell (Mr. Byron T. Gardner of counsel) for Strommen.

Mr. W. W. Cochran (Mr. R. F. Whitehead of counsel) for the Commissioner of Patents.

BLAND, J.:

The Board of Appeals of the United States Patent Office affirmed the Primary Examiner in rejecting claim 2 and reversed him in rejecting claim 1 of appellant's application for a patent on a method of fitting hearing aids for the use of persons with impaired hearing.

The applicant has appealed here for a review and revision of the Board's decision as to claim 2. For convenience of analysis and reference, we here quote claim 2 in step-by-step form:

2. A sonic method of fitting a deafened person with hearing aid apparatus, which comprises

(a) determining from his responses the acuity of his unaided hearing at a predetermined distance from a fixed source of sound,

(b) emitting signals of predetermined frequency and volume

(c) in a space containing background noises normal to the environment of the apparatus at the time of the fitting,

(d) fitting the person with a hearing aid apparatus for raising his hearing acuity from the determined level to normal level, and

(e) repeating the emission of said signals while said person remains

(f) at said predetermined distance from said source and

(g) under the same background noise conditions to determine from his responses the degree of improvement in his hearing acuity with the said hearing aid apparatus.

(h) whereby the person may be fitted with a hearing aid providing him with substantially normal hearing under normal background noise conditions. [Italics ours.]

The sole reference is a patent to Wengel, No. 2,217,394, issued October 8, 1940.

In order to understand the contentions of appellant and of the Solicitor for the Patent Office and the decision appealed from, we think it important to set out briefly the conditions which the

applicant here and the inventor of the reference patent were trying to remedy, and the manner in which each of them claimed to have solved the problems involved therein.

Frequently persons with impaired hearing may hear perfectly sounds of certain frequencies and be wholly unable to hear louder sounds of different frequencies. The prior art recognized this difficulty, and means of testing one's hearing acuity for sounds of different frequencies were developed, as well as devices for correcting the patient's hearing in respects in which it was deficient. Often, persons with hearing deficiencies can hear sounds of all frequencies until they are interrupted by so-called background noises. Both Wengel and the appellant sought to determine the effect of background noises as well as the sensitiveness of the ear of the person tested to different frequencies and thereafter to apply a suitable device which would amplify the sounds of the frequencies at which the person's hearing was deficient and not amplify the sound concerning which there was no deficiency, by supplying suitable devices for increasing certain sounds.

Both Wengel and the appellant, when making the tests to determine the patient's inability to hear sounds of certain frequencies and intensities, prepare a graph. Wengel plots two curves on his graph, one representing the threshold of audible hearing and the other the pain level. These curves are determined by varying the frequencies and intensities of the test sounds. The area lying between the curves, according to Wengel, is then "explored". Next, the intensity of his background sound is set at a good average level, determined with reference to the threshold and pain curves, and the test signal is then varied through the full frequency range, the volume of the signal being attenuated at each test frequency to ascertain the minimum intensity audible to the patient above the background noise. A plotting of the results obtained from this test gives a third curve which represents the hearing response of the hard-of-hearing person to desired sounds under conditions when background noise is present. The appellant plots two curves on his graph, but each is a threshold curve. The first represents the subject's threshold of hearing under ordinary background noise conditions and without the aid of hearing apparatus. The second represents the threshold of hearing under the same external noise conditions but with the aid of hearing apparatus and indicates the relative gain in hearing ability afforded by said apparatus.

Appellant's method, as defined by the appealed claim, is said by him to have reduced to a minimum the possibility of error in testing, by making an initial test of the unaided hearing of the patient's acuity to sounds of all frequencies when surrounded by a normal background in which noises from type-

writers, automobiles, street cars, machinery, and the like are present. Appellant teaches the making of this initial test where only normal background conditions prevail. Obviously, to be very effective under most circumstances, the locus of such tests would be in more than one place or in different places for different patients. In making this test, the hearing of the patient is unaided, and appellant teaches that sounds of certain frequencies are transmitted from a predetermined distance to the patient, who in turn indicates, by a proper button pressure device, his responses to the sound. After his unaided hearing has been tested with respect to his hearing deficiency as to notes or sounds of certain frequencies and volume under natural background conditions and a graph or chart is made of the result, hearing aids providing greater or less volume may be applied to the patient's ears until one is found, which takes care of said deficiencies. The patient, while wearing the improvement device, indicates by his responses the improvement as the hearing aid apparatus is applied and adjusted. This second test is defined by clauses (d), (e), (f), (g), and (h) of the appealed claim; and it may be added here that on this latter phase of the case, the Wengel patent, to say the least, is very indefinite.

The Examiner rejected both claims 1 and 2 with the following statement:

Claims 1 and 2 are held to be unpatentable over the disclosure of Wengel. This patent discloses a method and apparatus for testing hearing in the immediate area corresponding to normal usage and comprises means for producing a background sound having a substantially uniform frequency distribution and a test sound, or a note of substantially a single frequency, with means for successively varying the frequency of the test sound and for determining at each such frequency the intensity necessary to render the note audible above the background sound.

Wengel discloses a method which contemplates the testing of a subject's hearing acuity in a room wherein the normal background noise is present first without the aid of hearing apparatus and then providing the subject with a hearing aid apparatus and repeating the emission of signals at the same frequencies and under substantially the same background noise conditions.

As clearly pointed out by the patentee, on page 1, right line 20, he contemplates producing a background sound in addition to signals which are used in the test. Obviously, the signals of uniform intensity which are used by the patentee may be controlled as to frequency.

Obviously, the background noise which is present at any particular time depends entirely upon the location of the person being tested. It also should be pointed out that background noise which might produce excellent results because it is of a certain intensity, would result in equipping the person with a hearing device which would not give the desired results if background noises of other intensities are encountered. Since the patent to Wengel clearly teaches a method of testing hearing which is comprised of producing a background sound at the time the hearing is tested, it is believed obvious that this background sound could be made of any desired intensity and could therefore be made to simulate any desired condition while the person's hearing was being tested.

It will be noticed that the Examiner stated that Wengel tested the patient's hearing without the aid of hearing apparatus in the presence of normal background noises and later with the hearing aid under the same background noise conditions. The Examiner took no cognizance of the fact that during the first test (according to our construction of the Wengel patent) before the patentee applied the hearing apparatus, he tested the patient's hearing while wearing headphones or a similar translating device in the presence of artificial background

noises only. These facts involve the real points of controversy in this case.

The Board of Appeals, in rejecting claim 2, had the following to say:

The Examiner states that in the patented method the patient is first treated in a room wherein the normal background noises are present without any hearing aid. Appellant, however, contends that this is not correct. From our reading of the patent it is silent on this point but the description as a whole tends to indicate that the first tests are made with head phone 25 or 44 on the head.

In addition Wengel does not depend upon normal background noises but instead creates an artificial background by means of buzzers and oscillators.

The affidavits in the record tend to show that the method has met with considerable commercial success.

We are of the opinion that claim 1 differs sufficiently from the method disclosed in the prior art. At the time of taking the appeal appellant tried to amend claim 2 and this was refused. This claim is somewhat broader than claim 1 for it does not include the repetition of the signal, but it does not exclude tests made while headphones are used. It therefore does [not] distinguish over Wengel. [The word "not" in the last line was later added by the Board.]

[1] After final rejection, appellant submitted an amendment to claim 2, which was not entered by the Examiner because, as he said, it did not place the application in condition for allowance or in better form for appeal. In its decision on petition for reconsideration, the Board stated that it had not considered the proposed amendment to the claim and gave its reason for doing so, with which we agree; and no reason of appeal raises that question here. The amendment, at least in part, sought to clarify the claim in respect to the question as to whether or not the claim excluded a test made with headphones. We refer to this matter because the Solicitor has suggested that this attempted amendment indicates that appellant's attorney recognized the alleged undue breadth of the claim. The mere fact, however, that the attorney attempted to clarify the claim should not, under the circumstances at bar, be regarded as a confession that the unamended claim should have been construed as having undue breadth.

The Board stated that claim 2 is broader than claim 1 in so far as it failed to include the repetition of the signals—which we interpret to mean the repetition of the signals by the patient in the initial test (as provided for in claim 1). The Board was of the opinion that the claim did not exclude tests made while headphones were used. The Examiner held that Wengel contemplated an initial test without the use of "hearing apparatus". He did not hold, as the Board intimates, that the tests of Wengel contemplated the same to be made without the use of headphones. He stated that, in Wengel, the tests of the subject's hearing acuity were "first without the aid of hearing apparatus and then providing the subject with a hearing aid apparatus". Obviously, the Examiner meant that during the first test the subject did not wear the hearing aid apparatus for which he was being tested. Appellant before the Board questioned the Examiner's statement on this subject-matter; and the Board erroneously stated that from its "reading of the patent it is silent on this point". It said, however, that "the description as a whole tends to indicate that the first tests are made with head phone 25 or 44 on the head."

While confusing in many respects, we think the Wengel patent as a whole definitely teaches the use of headphones, in both embodiments of the invention, in making the tests; and that such tests are made in the presence of artificially-produced background noises only. That no normal background noises are present is conclusively shown by the fact that the only background noises which can reach the patient are those which are transmitted from the artificial noise-making device to the headphones. With respect to the first embodiment, Wengel says:

"The resultant current in the secondary of such transformer is delivered to a translating device such as an earphone, where the current is transformed into corresponding physical air or sound waves. [Italics ours.]

With respect to the second embodiment of his invention, he says:

"The resultant combined currents are supplied by the secondary of the transformer to the earphone or similar translating mechanism, where they are transformed into physical sound waves. [Italics ours.]

We think the patentee, and this is not disputed by the Board, contemplated transmitting the sound from its source to an earphone or some comparable device adjacent the ear of the hearer. On this disputed point, we agree with appellant that claim 2, in more than one respect, distinguishes from Wengel with regard to the use of headphones; and this is indicated by several features of the appealed claim. We think the claim speaks for itself. In order that the important features of it may be better understood, we have set out the step-by-step provisions of the claim and italicized the features to which special consideration should be given.

In provision (a) is the term "unaided hearing". We think this term clearly excludes the use of an earphone or similar device. The further limitation in (a), "at a predetermined distance from a fixed source of sound", and that in (f), "said predetermined distance from said source", would warrant the conclusion that the claim does exclude the use of earphones in any of the tests appellant gives the patient. A headphone cannot be a fixed source of sound at a predetermined distance from the patient inasmuch as it is worn directly on his ear. The subject is not at a fixed distance from the source of sound because he is in direct contact with the source. Moreover, the claim provides in (c), "in a space containing background noises normal to the environment of the apparatus at the time of the fitting". The "apparatus" of course refers to the hearing aid apparatus, and the "space" is the distance between the patient and the source of sound, or the room in which the test is made.

[2] As we understand the holding of the Board, it is that while claim 1 is allowable, claim 2 is not, for the reason that in claim 2 there is no provision for the patient's repeating the signals of the first test, and that therefore claim 2 is broader than claim 1. While it is a settled rule in this kind of case that the allowability of an appealed claim is not controlled by the fact that similar claims have been allowed, *In re Zalkind*, 28 C. C. P. A. (Patents) 959, 118 F.(2d) 356, 49 USPQ 97, 529 O. G. 511,

it is sometimes necessary to consider allowed claims together with appealed claims where they are referred to in the Board's decision and the exact views of the Board are to be determined.

The patient's response to the emitted signals in the second test while wearing the hearing aid is provided for in both claims by the language involving the word "responses". In claim 2, with reference to the first test we find the language, "determining from his responses," and in claim 1 this same thought is expressed in the language, "determining * * * by the accuracy of his repetition of each signal". In one claim the determination is made from the patient's responses (which might be by repeating the signal, or by voice, or by some other means), and in the other the determination is made by his repetition of each signal. In one claim, the subject "responds" to indicate his ability to hear, and in the other he "repeats the signal". Both claims call for the same thing, except that claim 2 is broad enough to include other means of responding than by the repetition of the signal. Clearly this should not be regarded as such a broadening limitation as to make the claim non-allowable.

We do not think that allowed claim 1 affords adequate protection to appellant's invention, because his invention is broader than is defined in that claim. One practicing the art could avoid infringement by omitting to have the patient repeat each signal, although the patient might, by some other response, impart the same information.

[3] It seems to us that the Board erroneously interpreted the appealed claim. We think it distinguishes in a patentable sense over the Wengel patent, and it seems clear to us that it defines an improvement, new and useful, which is entitled to patent protection.

The decision of the Board is reversed.

Reversed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,561,906, 1,966,429, 1,691,637, 1,922,755, W. R. Buxton, Key case; 1,959,207, C. H. Howe, same, C. C. A., 8th Cir., Dec. 12825, 12856 and 12857, *L. L. Gardner v. Buxton, Inc.* Decree on appeal of Gardner (12825) reversed, and decree on appeals of Buxton, Inc. (12856 and 12857) affirmed. Causes remanded to district court for proceedings consistent with opinion of appellate court July 13, 1945.

1,580,814, J. A. De Cew, Hydrating cellulose fibers, D. C. N. J., Doc. 106, *Process Engineers v. Union Bag & Paper Corp.* Bill dismissed July 19, 1945.

1,589,947, J. A. De Cew, Method of sizing cellulose fibers, D. C. N. J., Doc. 108, *Process Engineers v. Union Bag & Paper Corp.* Bill dismissed July 19, 1945.

1,655,546, A. Hollander, Casing for fluid pressure apparatus; 1,997,824, same, Fluid pump, filed Nov. 17, 1944, D. C., S. D. Calif., C. Div., Doc. 4024-EJ, *Byron Jackson Co. v. Ingersoll-Rand Co.* (To correct error in 570 O. G. 3, formerly published as 1,655,543, R. A. Helsing.)

1,691,637. (See 1,561,906.)

1,753,775, J. A. De Cew, Method of sizing paper pulp; 2,041,285, same, Paper sizing, D. C. N. J., Doc. 488, *Process Engineers v. Union Bag & Paper Corp.* Bill dismissed July 19, 1945.

1,808,429, H. R. Minor, Method of regulating and maintaining heat transfer; 2,066,265, H. A. Freeman, Method of curing tires, D. C., N. D. Ohio, E. Div., Doc. E 5633, *The Liquid Carbonic Corp. v. The Goodyear Tire & Rubber Co.* Consent judgment, bill dismissed with prejudice June 28, 1945.

1,906,260, J. T. Gibbs, Game, filed July 12, 1945, D. C., E. D. N. Y., Doc. 5728, *J. T. Gibbs et al. v. Stanley Gersh et al.*

1,922,755. (See 1,561,906.) 1,959,207. (See 1,561,906.) 1,966,429. (See 1,561,906.)

1,967,221, Allen & Hartley, Printing plate and holding means therefor, D. C., S. D. N. Y., Doc. 2337, *Addressograph-Multigraph Corp. v. Alumo Co. et al.* Complaint dismissed July 12, 1945.

1,997,824. (See 1,655,546.) 2,041,285. (See 1,753,775.) 2,066,265. (See 1,808,429.)

2,075,838, L. L. Torrey, Mechanical refrigerator apparatus, D. C., S. D. Calif., C. Div., Doc. 3246, *L. L. Torrey v. Frigidaire Sales Corp. et al.* Order dismissing case with prejudice July 13, 1945.

2,090,874, H. C. Myers, Trailer, D. C. Oreg. (Portland), Doc. 2335, *H. C. Myers v. Page & Page Co.* Decree for plaintiff holding patent valid July 18, 1945.

2,228,768, R. E. Jones, Hair clipping and shaving device, filed July 9, 1945, D. C., S. D. Calif., C. Div., Doc. 4601—RJ, *R. E. Jones v. Schick Service, Inc.*

2,238,659, W. G. Reynolds, Fiber drawing mechanism and process, filed July 18, 1945, D. C., M. D. N. C. (Greensboro), Doc. —, *W. G. Reynolds et al. v. Whittin Machine Works.*

2,246,387. (See Re. 22,073.)

2,249,694, S. W. Wilding, Material for taking impressions for dental or other purposes, filed May 11, 1945, D. C., S. D. Calif., C. Div., Doc. 4449, *The Amalgamated Dental Co., Ltd., et al. v. Dental Perfection Co.*

2,252,971, M. E. Goldstein, Miniature saddle, D. C. Colo. (Denver), Doc. 751, *M. E. Goldstein v. R. O. Turner et al.* Claim 1 held infringed, referred to special master for accounting July 10, 1945.

2,310,254, E. Nassour, Apparatus for producing animated pictures, filed July 11, 1945, D. C., S. D. Calif., C. Div., Doc. 4617—RJ, *E. Nassour v. Plastic Cartoons, Inc., et al.*

2,348,859, Des. 138,050, A. G. Sherman, Life craft, filed June 8, 1945, D. C., S. D. Ind. (Indianapolis), Doc. 970, *Weber Showcase & Fixture Co., Inc., v. Globe American Corp.*

2,354,990, H. M. Gilbert et al., Conveying and elevating machine, filed July 19, 1945, D. C., E. D. Mich., S. Div., Doc. 5086, *H. M. Gilbert et al. v. H. Upper.*

Re. 21,313, G. De Sagnat, Decorative wall covering, filed July 18, 1945, D. C., S. D. N. Y., Doc. 32/270, *U. S. Plywood Corp. et al. v. E. Morgan.*

Re. 22,073, Re. 22,166, P. Schwarzkopf, Hard metal tool alloy; Re. 22,074, same, Method of producing hard metal alloy; Re. 22,207, same, Production of hard metal alloys; 2,246,387, same, Sintered hard metal alloy, filed July 16, 1945, D. C., E. D. Mich., S. Div., Doc. 5073, *American Cutting Alloys, Inc., v. Carboloy Co., Inc.*

Re. 22,074. (See Re. 22,073.)

Re. 22,166. (See Re. 22,073.)

Re. 22,207. (See Re. 22,073.)

Des. 138,050. (See 2,348,859.)

Des. 139,412, O. Schreyer, Pin, filed July 17, 1945, D. C., S. D. N. Y., Doc. 32/253, *Oscar Schreyer Co. v. Wandt Novelty Corp.*

Notice

The Classification Division, the Design Division, and those units of the Manuscript Division engaged in reproduction work and in the preparation of records for court use, have been transferred from Richmond, Va., and are now located in the Washington Office.

Notice re Public Law No. 239

Amendment to Regulations for Filing Applications for Patents and Amendments in Foreign Countries under Public Law 239 of the 77th Congress.

The following regulation 17 is added:

17. *Extension of License.* Whenever a license to file an application in a foreign country has heretofore been granted or is hereafter granted by the Commissioner of Patents, under the provisions of Public Law 239, 77th Congress, Approved August 21, 1941 (55 Stat. 657; 35 U. S. C. 42a), the license is, in each case, hereby revived, renewed and extended to additionally empower the licensee under authority of said license, to forward all duplicate and formal papers to the foreign country and to make all amendments necessary for the prosecution of such application, excluding supplements and continuances originating in this country which disclose inventions, modifications or variations not disclosed in the application authorized under the license. Licensee should apply to the envelope in which material is forwarded to the foreign country under this additional authority, the legend "License No. _____ Commissioner of Patents", inserting the number of the license.

CONDER C. HENRY,
Acting Commissioner of Patents.

Register of Patents Available for Licensing or Sale

Pat. 1,997,494. ALUMINUM-BASE ALLOY. Patented Apr. 9, 1935. Chill casting and casting properties generally of aluminum alloys high in iron may be considerably improved by adding suitable amounts of antimony. The grain structure is refined and porosity reduced. An important application would be in the utilization of secondary scrap aluminum, which, because of its high iron content, has been a poor casting base. (Owner) William E. Mansfield, 13623 Maplerow Avenue, Garfield Heights, Cleveland 5, Ohio. Groups 33—12—21; 34—41. Reg. No. 248.

Pat. 2,185,348. ALUMINUM-BASE ALLOY. Patented Jan. 2, 1940. This supplements Pat. 1,997,494, but involves the additional use, in conjunction with antimony, of such metals as tungsten, members of the tungsten or vanadium group of metals, or vanadium, zirconium, or boron. The castings so produced are claimed to be superior to the similar alloys involving only the antimony additions. (Owner) William E. Mansfield, 13623 Maplerow Avenue, Garfield Heights, Cleveland 5, Ohio. Groups 33—12—21; 34—41. Reg. No. 249.

Pat. 2,188,203. ALUMINUM-BASE ALLOY. Patented Jan. 23, 1940. Relates to aluminum-manganese-boron casting alloys, with tungsten and titanium being useful additives. Other alloying metals may likewise be present. Allows wider use of secondary scrap aluminum and results in physical properties and casting characteristics superior to similar alloys lacking boron or the other additives. (Owner) William E. Mansfield, 13623 Maplerow Avenue, Garfield Heights, Cleveland 5, Ohio. Groups 33—12—21; 34—41. Reg. No. 250.

Pat. 2,092,951. FINDING APPARATUS. Patented Sept. 14, 1937. Device for locating buried pipe, particularly non-metallic, including a tubular transformer with conical shaped ends and weighted and pivoted coil therein; coil remains perpendicular while transformer is horizontal. It is not necessary that pipe to be located function as part of device. (Owner) Frank N. Blake, 15 Highland Avenue, North Adams, Mass. Groups 32—64—71; 33—12—93; 39—11. Reg. No. 251.

Pat. Re. 21,711. PIPE FINDER. Reissued Feb. 11, 1941. Orig. No. 2,192,765, dated Mar. 5, 1940. Device for locating buried pipes in which transformers, coil means, batteries, amplifier, phone tip sockets, etc., are combined in a container having multiple compartments. Can be carried around by one person wearing ear phones and turned on and off at will. (Owner) Frank N. Blake, 15 Highland Avenue, North Adams, Mass. Groups 32—64—71; 33—12—93; 39—11. Reg. No. 252.

Pat. 1,784,046. METROSCOPIC FORCE-MEASURING INSTRUMENT. Patented Dec. 9, 1930. A weighing and price-computing scale having a chart with a set of weight indications and a plurality of sets of price indications; manually operable means for selectively controlling the visibility of said sets of price indications; and means, including a weight-controlled optical device, for distinctively disclosing a portion of said set of weight indications and a portion of any selected set of said price indications. (Owner) Robert Craig, 41 Roosevelt Road, Maplewood, N. J. Group 35—74. Reg. No. 253.

Pat. 1,813,029. MACHINE FOR INDICATING WEIGHT AND FUNCTIONS OF WEIGHT. Patented July 7, 1931. An automatic scale comprising in combination a load support, a chart having a plurality of sets of indications, a telescope, manually operable means for selectively controlling the visibility of said sets of indications through said telescope, and means controlled by said load support for distinctively disclosing through said telescope a portion of any selected set of said indications in accordance with the weight of a commodity. (Owner) Robert Craig, 41 Roosevelt Road, Maplewood, N. J. Group 35—74. Reg. No. 254.

Pat. 1,848,769. MACHINE FOR INDICATING WEIGHT AND FUNCTIONS OF WEIGHT. Patented Mar. 8, 1932. A weighing scale comprising, in combination, a load support, a chart, means for changing the range of reading of said chart, a screen, and means comprising an optical device controlled by said load support for projecting an image of at least a portion of said chart upon said screen. (Owner) Robert Craig, 41 Roosevelt Road, Maplewood, N. J. Group 35—74. Reg. No. 255.

Pat. 2,330,523. MACHINE FOR ROLLING STEEL BILLETS INTO MERCHANT BARS. Patented Sept. 28, 1943. Apparatus for converting billets into bars wherein conveyors are so arranged that billets are automatically transferred back and forth between different sets of rolls. Provides rolls for compressing in horizontal as well as vertical plane. (Owner) John B. Shaw, 564 Granada Court, Ontario, Calif. Group 33—12. Reg. No. 256.

Pat. 2,359,264. AIRCRAFT. Patented Sept. 26, 1944. Aeroplane provided with auxiliary semi-cylindrical ornithopter wings so constructed and operated as either to exert a drag and retard forward movement or provide additional lift when taking off. Aids craft to maintain same altitude when flying at low speeds and take off where no runway is provided. (Owner) Israel Benjamins, M. E., 1532 Bedford Avenue, Brooklyn 16, N. Y. Group 37—21. Reg. No. 257.

Pat. 2,332,045. AIRPLANE. Patented Oct. 19, 1943. Adjustable nose connected to the forward end of wings and an air reaction member located to float in down wash of the wings, which member is rotated by change in direction of down wash. Increases efficiency of wings in take-offs or when fully loaded. Aids in maintaining stability of plane in an emergency. (Owner) Israel Benjamins, M. E., 1532 Bedford Avenue, Brooklyn 16, N. Y. Group 37—21. Reg. No. 258.

Pat. 1,989,582. ELECTRICALLY HEATED MATTRESS, PAD, CUSHION, AND THE LIKE. Patented Jan. 29, 1935. Thermostatically controlled heating element employing sheathed conductor to be placed between spaced walls of flammable material such as inner-spring mattress. Requires no nonflammable shielding material. Additional holes may be placed in bottom and top of mattress which are adapted to open and close. (Owner) Edna B. Becker, Administratrix, 5410 Allan Road, Westgate, Md., Washington 16, D. C. Groups 25—15; 36—21. Reg. No. 259.

Pat. 2,226,571. VIBRATION NEUTRALIZER. Patented Dec. 31, 1940. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Has means to-time application of impulses so that each will be applied at such point in the vibration cycle as to increase the amplitude. (Owner) Raymond T. McGoldrick, David Taylor Model Basin, Washington 7, D. C. Groups 36—41; 38—31. Reg. No. 260.

Pat. 2,350,082. COMPOSITION OF MATTER AND PREPARATION AND PROCESS OF PRODUCING THE SAME. Patented May 30, 1944. A fat containing food composition wherein jojoba nut oil is treated in such manner that resultant substance and derivatives incorporated therein are in various form. The oil itself, or each of the substances, or two or more, may be incorporated in shortening, cake, or the like. Main object is to provide a new shortening material with great emulsifying power. (Owner) Iona Tausky. Address correspondence to Michael S. Striker, Attorney, 500 Fifth Avenue, New York 18, N. Y. Groups 20—51—92—99; 28—29. Reg. No. 261.

Pat. 2,136,863. TRANSFORMER. Patented Nov. 15, 1938. Has a normally low power factor, a capacitive reactance for power factor correction which is electrically connected into the circuit only during load periods. (Owner) Frederick C. Owen, 423 Pearl Street, Fayetteville, N. C. Group 36—19. Reg. No. 262.

Pat. 2,365,722. TRANSFORMER. Patented Dec. 26, 1944. A transformer in which power factor correction is accomplished automatically but only during load periods and without the use of switches and other mechanical devices. (Owner) Frederick C. Owen, 423 Pearl Street, Fayetteville, N. C. Group 36—19. Reg. No. 263.

Pat. 1,904,892. ROTARY ENGINE COMPRESSOR AND THE LIKE. Patented Apr. 18, 1933. A mechanism which is equally adapted for use in the transmission of power in various types of rotary engines and in rotary compressors. (Co-owner) William L. Hoge, Heyburn Building, Louisville 2, Ky. Group 35—19—61. Reg. No. 264.

Pat. Des. 122,855. DESIGN FOR AN AIRPLANE. Patented Oct. 1, 1940. (Owner) Jean A. Roché, Rockwell Road, Hampton, Va. Group 37—21. Reg. No. 265.

Pat. 2,055,637. ZERO THRUST INDICATOR. Patented Sept. 29, 1936. Pilot is provided with simple yet accurate means for maintaining proper throttle settings during those periods of performance testing in which data is being obtained for calculation of total parasite resistance of an aircraft. (Co-owner) Jean A. Roché, Rockwell Road, Hampton, Va. Groups 36—41; 37—21—22. Reg. No. 266.

Pat. 2,238,782. GAUGING DEVICE FOR COMPLEX CURVED SURFACES. Patented Apr. 15, 1941. Contour, pitch and thrust relationship, etc., of propeller blades can be checked without removing propeller from craft. Use of usual measuring tools is eliminated. (Owner) Jean A. Roché, Rockwell Road, Hampton, Va. Groups 35—43; 37—21—22. Reg. No. 267.

Pat. 2,257,483. TENSION GAUGE. Patented Sept. 30, 1941. Device known as "tensiometer". Has no complicated mechanical parts. Gives direct reading without reference to charts. Reading requires no special training. Can be operated by one hand and in places such as inspection holes in fuselage or wings of aircraft. (Owner) Jean A. Roché, Rockwell Road, Hampton, Va. Groups 35—43; 37—21—22; 39—11. Reg. No. 268.

Pat. 2,159,058. LANDING GEAR FOR AMPHIBIAN AIRPLANES. Patented May 23, 1939. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Retractable landing gear wherein the wheels are each carried by single supporting member and strut adapted to extend downwardly and outwardly from both sides of a fuselage or hull. The supports cross each other at the top. (Co-owner) Jean A. Roché, Rockwell Road, Hampton, Va. Group 37—21—22. Reg. No. 269.

Pat. 2,266,079. WHEEL WITH CENTRAL BRAKE. Patented Dec. 16, 1941. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Brake mechanism for aircraft or the like wherein the brake drum is secured to the rim of the wheel, thus providing more braking surface. Has means for circulating air for cooling. (Owner) Jean A. Roché, Rockwell Road, Hampton, Va. Groups 35—69; 37—22; 38—31. Reg. No. 270.

Pat. 2,038,603. STOP FLUTTER DEVICE. Patented Apr. 28, 1936. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) An apparatus to stop flutter at a single known frequency of any part of an airplane, with a manual control in flight to allow or prohibit functioning of the device. (Owner) Jean A. Roché, Rockwell Road, Hampton, Va. Group 37—21—22. Reg. No. 271.

Pat. 2,081,957. DYNAMIC BALANCE OF CONTROL SURFACES. Patented June 1, 1937. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A design of aircraft control surfaces which increases the stability of the control surfaces and minimizes flutter by providing a dynamic balance of the surfaces which is obtained by proper distribution of mass and shape of plan form. (Owner) Jean A. Roché, Rockwell Road, Hampton, Va. Group 37—21—22—32. Reg. No. 272.

Pat. 2,338,302. PROPELLER HUB. Patented Jan. 4, 1944. A design of airplane propeller hub allowing limited relative motion between the driving shaft and hub. Two degrees of motion may occur, rotation of the hub about the shaft and tilting of the blades causing untracking without change of pitch. (Owner) Jean A. Roché, Rockwell Road, Hampton, Va. Groups 37—21—22; 38—31. Reg. No. 273.

Pat. 2,219,303. PROPELLER. Patented Oct. 29, 1940. A design of airplane propeller having automatic control of pitch obtained by the action of aerodynamic and centrifugal forces on pivoted propeller blades. (Co-owner) Jean A. Roché, Rockwell Road, Hampton, Va. Group 37—21—22. Reg. No. 274.

Des. Pat. 132,561. DESIGN FOR A SMOKING PIPE. Patented May 26, 1942. (Owner) William T. Clements, 401 South Tryon Street, Charlotte, N. C. Group 39—81—96. Reg. No. 275.

Pat. 2,268,440. HEATING APPARATUS. Patented Dec. 30, 1941. For attachment to exhaust of internal combustion engine, comprising a closed chamber and conduit extending from chamber to heating coil and carburetor. Flow and temperature of exhaust gases are automatically controlled by valves. Conduit may be attached to other than carburetor. (Owner) Franciscus T. Boshuizen, 53 Mason Street, Springfield 9, Mass. Groups 33—69; 38—31. Reg. No. 276.

Pat. 2,320,414. GARMENT HANGER. Patented June 1, 1943. Covered with padding material provided with pockets to receive moth balls or the like. Hook portion threaded centrally therein may be removed and a tab utilized for suspending hanger from clothes line or other overhead support. (Owner) Magdalen Dalloz, % Saf-On Hanger & Bag Co., 2115 Pearl Street, Jacksonville 6, Fla. Groups 25—99; 33—49. Reg. No. 277.

Pat. 2,320,415. BAG FOR CLOTHESPINS AND GARMENT HANGERS. Patented June 1, 1943. Bag made of fabric having a plurality of pockets therein and a removable stiffener transversely across top to prevent collapse. Pockets are normally closed to exclude dust or dirt. (Owner) Magdalen Dalloz, % Saf-On Hanger & Bag Co., 2115 Pearl Street, Jacksonville 6, Fla. Groups 22—11—51—53; 23—93—94; 31—61. Reg. No. 278.

Pat. 2,367,402. VALVE CUTOFF. Patented Jan. 16, 1945. For pipe lines, particularly supply lines near gas meters. Valve is normally held open by releasable member made of plastic such as "Vinylite". When subjected to heat (135° F.) in case of fire, plastic readily deforms, thereby releasing valve stem which closes valve. Plastic member can be easily replaced and valve reset without tools or other equipment. (Owner) John F. Kelly, % Kelly Safety Device Company, 2196 West 65th Street, Cleveland 2, Ohio. Groups 28—83; 33—66; 35—65. Reg. No. 279.

Pat. 2,350,413. PORTABLE SIGNALING AID FOR THE DEAF AND HARD OF HEARING. Patented June 6, 1944. Utilizes suction cups for support at selected points. Bulb lights or flashes alternately inside room when button is pressed outside. Should a person possess a hearing-aid device, it may be adapted to operate from same power source. Can be carried in pocket or handbag. (Owner) Theodore Ordman, 165 Broadway, New York 6, N. Y. Groups 28—83; 34—81; 36—99; 39—16. Reg. No. 280.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 4, 1945

[Vol. 578. No. 1]

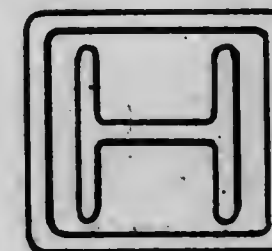
The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2 RECEPTACLES

Ser. No. 482,378. HARVELL MANUFACTURING CORPORATION, South Bend, Ind. Filed Apr. 20, 1945.



FOR WASTE BASKETS, CANISTER SETS, BREAD BOXES, TRAYS, AND COASTERS, FORMED OF METAL, WOOD, OR COMBINATIONS OF METAL AND PAPER. Claims use since Mar. 16, 1945.

Ser. No. 484,242. THE COFAX CORPORATION, New York, N. Y. Filed June 7, 1945.

PAXITE

FOR PLASTIC TAPE DISPENSERS. Claims use since May 16, 1945.

Ser. No. 484,244. THE COFAX CORPORATION, New York, N. Y. Filed June 7, 1945.

PAXOMAT

FOR SEALING TAPE DISPENSERS. Claims use since May 16, 1945.

Ser. No. 484,535. IRVEN E. LINSOMB, doing business as Pioneer Bag Company, North Kansas City, Mo. Filed June 14, 1945.



FOR BURLAP, COTTON AND PAPER BAGS, PAPER AND CORRUGATED CARTONS. Claims use since Nov. 15, 1944.

Ser. No. 484,743. THE HINDE & DAUCH PAPER COMPANY, Sandusky, Ohio. Filed June 19, 1945.

Prepak

FOR PAPERBOARD BOXES AND CARTONS. Claims use since May 29, 1945.

Ser. No. 484,836. GENERAL BOX COMPANY, Chicago, Ill. Filed June 21, 1945.

General

FOR CORRUGATED BOXES, WOODEN CRATES AND BOXES, AND COMBINATION OF WOOD AND FIBREBOARD CRATES AND BOXES. Claims use since May 18, 1945.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 480,466. MCCOY, JONES & COMPANY, INC., Chicago, Ill. Filed Mar. 3, 1945.

CHYCREST

FOR HAND BAGS, PURSES, COIN PURSES, TWO-FOLD PURSES, OR HIP BOOKS, THREE-FOLD PURSES, MUSIC ROLLS, MUSIC SATCHELS, AND MUSIC FOLIOS. Claims use since 1913.

Ser. No. 484,796. PICHET INC., New York, N. Y. Filed June 20, 1945.

VELVASUEDE

FOR LADIES' HANDBAGS.
Claims use since June 14, 1945.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 472,714. REMINGTON RAND INC., Buffalo, N. Y. Filed July 28, 1944.

REM-MOVER

FOR LIQUID HAND CLEANER AND HAND CLEANING CREAM FOR REMOVING HECTOGRAPH CARBON INK AND SIMILAR INKS AND CHEMICAL STAINS.
Claims use since Oct. 15, 1943.

CLASS 5

ADHESIVES

Ser. No. 475,425. HERBERT J. HERBERT, New York, N. Y. Filed Oct. 18, 1944.

LUPLX

FOR ADHESIVE CEMENT FOR BONDING CORK, LEATHER, LINOLEUM, METAL, PLASTICS, WALLBOARD AND WOOD.

Claims use since Sept. 1, 1944.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 470,533. DOROTHY B. JUSTES, New York, N. Y. Filed May 23, 1944.



The word "Parfums" is disclaimed apart from the mark.
FOR PERFUMES.

Claims use since Jan. 1, 1943.

Ser. No. 470,900. DERMETICS INC., Seattle, Wash. Filed June 5, 1944.

MAGIC TWINS

FOR FACE POWDER AND SKIN ROUGE.
Claims use since Apr. 9, 1943.

Ser. No. 473,279. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed Aug. 15, 1944.

COLORLINE

FOR CHEMICALS, PREPARATIONS AND COMPOUNDS THEREOF USED IN PHOTOGRAPHIC PROCESSES—NAMESLY, CHEMICAL COMPOUNDS DISPERSED IN AN AQUEOUS COLLOIDAL MEDIA EMPLOYED FOR COLORING GELATIN SHEETS, BLACK AND WHITE NEGATIVES, MONOCHROME DRAWINGS ON A TRANSPARENT BASE, AND FOR RETOUCHING DAMAGED AREAS IN COLORED PHOTOGRAPHS, SUCH AS TRANSPARENCIES OR PAPER PRINTS.

Claims use since June 1944.

Ser. No. 476,130. SARAH ANN AYRES, Los Angeles, Calif. Filed Nov. 6, 1944.

VITA-VEND

The term "Vita" is disclaimed.
FOR POLY-VITAMIN PRODUCT COMPRISING VITAMINS A, B₁, B₂, B₆, NIACIN, CALCIUM PANTOTHENATE C AND D.

Claims use since Oct. 24, 1944.

Ser. No. 482,183. IRENE BLAKE COSMETICS, INC., also doing business as Irene Blake, New York, N. Y. Filed Apr. 14, 1945.

Twixteen

FOR COLOGNE.
Claims use since Dec. 27, 1944.

Ser. No. 483,277. MYRURGIA, S. A., Barcelona, Spain. Filed May 12, 1945.

MAJA

FOR PERFUMES, TOILET CREAMS, EAU DE COLOGNE, FACE LOTIONS, ROUGES, NAIL POLISHES, DENTIFRICES, FACE POWDER, MASCARA.

Claims use since Sept. 5, 1918.

Ser. No. 483,312. CARL A. FUTTER, doing business as The Carlay Co., Chicago, Ill. Filed May 14, 1945.

RAYVITA

FOR VITAMIN PREPARATION IN THE NATURE OF A FOOD SUPPLEMENT CONTAINING THIAMIN AND CALCIUM PANTOTHENATE.

Claims use since Nov. 10, 1942.

Ser. No. 483,383. S. S. PIERCE Co., Boston, Mass. Filed May 15, 1945.

S. S. P. Lavender Bath

No claim is made to the words "Lavender Bath" apart from the mark.

FOR COOLING AND INVIGORATING LOTION TO BE APPLIED FREELY AFTER THE BATH.

Claims use since June 24, 1936.

Ser. No. 483,649. BRUNSWIG DRUG COMPANY, doing business as Angelus Laboratories, Los Angeles, Calif. Filed May 22, 1945.

DENTALAVE

FOR MOUTH WASH.
Claims use since May 1931.

Ser. No. 483,650. BRUNSWIG DRUG COMPANY, doing business as Angelus Laboratories, Los Angeles, Calif. Filed May 22, 1945.

JEX

FOR PREPARATION FOR THE TREATMENT OF CORNS AND CALLUSES.

Claims use since December 1939.

Ser. No. 483,761. BOSTON DRUG & CHEMICAL Co., doing business as Prince Toilettries, Boston, Mass. Filed May 25, 1945.

Spartan

FOR AFTER-SHAVING LOTION, COLOGNE, AND SHAMPOO.

Claims use since Nov. 1, 1944.

Ser. No. 483,780. NIAGARA ALKALI COMPANY, Niagara Falls, N. Y. Filed May 25, 1945.

Niathal

FOR TETRACHLORO PHTHALIC ANHYDRIDE.
Claims use since Sept. 13, 1944.

Ser. No. 483,832. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed May 26, 1945.

CRESATINA

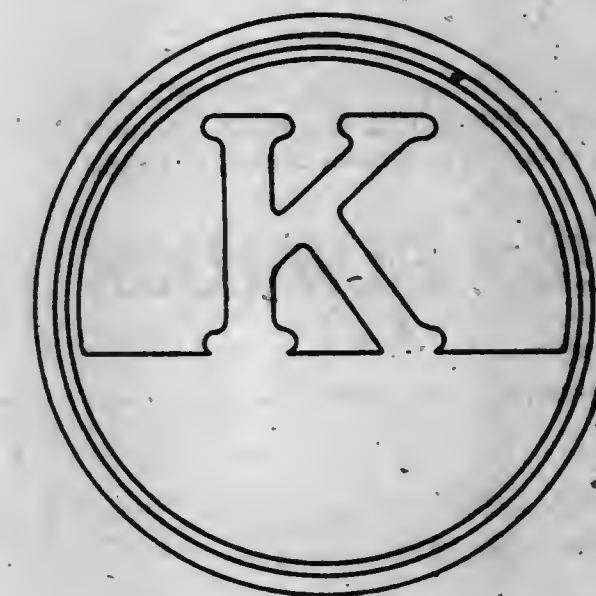
FOR ANALGESIC, ANTIBACTERIAL, AND ANTISEPTIC PREPARATION FOR BOTH INTERNAL AND EXTERNAL USE.

Claims use since Apr. 27, 1945.

CLASS 7

CORDAGE

Ser. No. 485,283. WALTER KIDDE & COMPANY, INC., New York, N. Y., and Belleville, N. J. Filed June 30, 1945.



FOR WIRE ROPE OR CABLE.
Claims use since Dec. 1, 1940.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 474,557. VITA-VAR CORPORATION, Newark, N. J. Filed Sept. 23, 1944.

SURFA-TONE

FOR WATERPROOFING COATING FOR WOOD, BRICK, CONCRETE AND LIKE BUILDING MATERIALS.

Claims use since Aug. 10, 1944.

Ser. No. 479,623. HERCULES POWDER COMPANY, Wilmington, Del. Filed Feb. 9, 1945.

STABINOL

FOR SPECIALLY PREPARED RESIN FOR USE IN SOIL TO RENDER SOIL NON-ABSORBENT OF MOISTURE AND INCAPABLE OF TURNING INTO MUD.
Claims use since May 22, 1944.

Ser. No. 481,897. KENILWORTH MANUFACTURING COMPANY LIMITED, London, England. Filed Apr. 9, 1945.

HERMETITE

FOR JOINTINGS AND PACKINGS FOR ENGINES MADE UP OF SPIRIT WITH GUM RESIN AND SHELLAC WITH HIGH TEMPERATURE PROPERTIES TO WITHSTAND HEAT AND PRESSURE.
Claims use since May 1921.

Ser. No. 482,312. DOUGLAS FIR PLYWOOD ASSOCIATION, Tacoma, Wash. Filed Apr. 19, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

IND★SILVALOCK

FOR PLYWOOD.
Claims use since Jan. 31, 1945.

Ser. No. 482,315. DOUGLAS FIR PLYWOOD ASSOCIATION, Tacoma, Wash. Filed Apr. 19, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

So2S★SILVALOCK

FOR PLYWOOD.
Claims use since Jan. 31, 1945.

Ser. No. 485,069. AMERICAN ROCK WOOL CORP., Wabash, Ind. Filed June 27, 1945.

AM-RO-CO

FOR HEAT AND SOUND INSULATION MATERIALS MADE ENTIRELY OR PARTLY OF ROCK WOOL.
Claims use since Mar. 24, 1945.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 483,226. LATROBE ELECTRIC STEEL COMPANY, Latrobe, Pa. Filed May 11, 1945.

LUMDIE

FOR STEEL BARS, BILLETS, AND FORGINGS.
Claims use since Aug. 18, 1923.

Ser. No. 483,227. LATROBE ELECTRIC STEEL COMPANY, Latrobe, Pa. Filed May 11, 1945.

STAMINAL

FOR STEEL BARS, BILLETS, AND FORGINGS.
Claims use since Jan. 1, 1935.

CLASS 15

OILS AND GREASES

Ser. No. 482,323. GOLDSMITH BROS., New York, N. Y. Filed Apr. 19, 1945.

GOLDEX

FOR MOTOR LUBRICATING OIL.
Claims use since 1939.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 479,293. MAC-O-LAC PAINT & VARNISH WORKS, Detroit, Mich. Filed Feb. 1, 1945.

MACO-LAC

The word "Lac" is disclaimed apart from the mark.
FOR READY-MIXED PAINTS, VARNISHES, AND PAINT ENAMELS AND THE LIKE.
Claims use since Apr. 1, 1927.

Ser. No. 481,440. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Mar. 28, 1945.

NEOPHANE

FOR PAINTS, (READY MIXED, PASTE FORM, AND DRY), PAINT ENAMELS, LACQUERS, JAPANS, VARNISHES, STAINS, PAINT FILLERS, AND PAINTS, VARNISHES, LACQUERS, AND ENAMELS OF A SYNTHETIC NATURE OR CONTAINING SYNTHETIC RESINS.
Claims use since Mar. 6, 1945.

Ser. No. 483,304. CORDO CHEMICAL CORPORATION, Norwalk, Conn. Filed May 14, 1945.

CORDO-SOL
C#

FOR PROTECTIVE COATING IN THE NATURE OF PAINT.
Claims use since Apr. 20, 1945.

CLASS 19

VEHICLES

Ser. No. 468,728. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla. Filed Mar. 27, 1944.



The drawing is lined for black and mandarin orange.
The word "Phillips" is disclaimed apart from the mark.
FOR VEHICLE SEAT COVERS.
Claims use since April 1938.

Ser. No. 479,960. WESTERN BOAT BUILDING CO., Tacoma, Wash. Filed Feb. 17, 1945.

Fairlines

FOR MARINE CRAFT—NAMELY, MOTOR BOATS.
Claims use since Oct. 19, 1944.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 480,630. SURE-RITE PRODUCTS COMPANY, Philadelphia, Pa. Filed Mar. 7, 1945.



FOR ELECTRIC INSULATING COMPOUND FOR WATERPROOFING IGNITION SYSTEMS.
Claims use since June 1936.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 472,179. THE CHAD VALLEY CO. LTD., Birmingham, England. Filed July 13, 1944.

SHOC

FOR GAME WHICH SIMULATES STOCK AND SHARE SELLING, INVOLVING THE USE OF A DECK OF ORDINARY PLAYING CARDS, BOARDS OR PLAYING SURFACES, EACH WITH AN INDICATOR DEVICE, AND A PLURALITY OF DISCS USED AS CALL COUNTERS AND AS SUBSTITUTES FOR MONEY.
Claims use since Aug. 16, 1943.

Ser. No. 476,926. PORTERPRINT LIMITED, Leeds, England. Filed Nov. 27, 1944.

SEQUA

FOR GAME HAVING A CHARACTERISTICALLY MARKED BASE MEMBER IN RELATION TO WHICH CARDS, SIMULATING HORSES, JOCKEYS, PENALTIES, AND INCIDENTS ASSOCIATED WITH HORSE RACES, ARE PLAYED ACCORDING TO INSTRUCTIONS SUPPLIED WITH THE GAME.
Claims use since Jan. 14, 1944.

Ser. No. 480,467. MILLS & EASLEY, New York, N. Y. Filed Mar. 3, 1945.



The word "Toy" and the representation of the doll apart from the mark are disclaimed.
FOR DOLLS.
Claims use since Nov. 15, 1944.

Ser. No. 481,739. FEDERATED FASHIONS, INC., New York, N. Y. Filed Apr. 5, 1945.

Betty Green

The trade-mark is a portion of the signature of the applicant's president.
FOR DOLL MILLINERY KITS.
Claims use since Jan. 25, 1945.

Ser. No. 481,807. STROMBECK PRESS INC., Moline, Ill. Filed Apr. 6, 1945.

GOOD CHEER

FOR FOLDING PICTURE PUZZLES.
Claims use since Mar. 31, 1945.

Ser. No. 483,289. MORRIS STEINBERG, doing business as Morris-Systems Co. New York, N. Y. Filed May 12, 1945.

GAMEVELOPE

FOR GAMES—NAMELY, CHECKERS, CHESS, PUZZLE GAMES, DOMINOES, AND BACKGAMMON.
Claims use since Mar. 15, 1945.

Ser. No. 484,451. H. D. GIBON, INC., Trenton, N. J. Filed June 12, 1945.



FOR GOLF BAGS.
Claims use since May 8, 1945.

Ser. No. 484,549. WOODS-TOY COMPANY, Los Angeles, Calif. Filed June 14, 1945.

WOND-KW

FOR TOYS COMPRISING A PLURALITY OF ELEMENTS WHICH MAY BE OPTIONALLY ASSEMBLED TO FORM DIFFERENT OBJECTS.
Claims use since May 22, 1945.

Ser. No. 485,400. ALICE L. CLARK, Mill Valley, Calif. Filed July 3, 1945.

NINA

FOR DOLLS.
Claims use since Nov. 15, 1943.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 474,969. ALTON E. TOBBY, Santa Cruz, Calif. Filed Oct. 5, 1944.

"WHIRL AWAY"

FOR RASP BANDS AND WHEELS FOR REMOVING RUBBER TIRE TREADS AND THE LIKE.
Claims use since Sept. 18, 1944.

Ser. No. 475,711. AMPCO TWIST DRILL COMPANY, Jackson, Mich. Filed Oct. 26, 1944.

AMPCO
TOOLS

The terms "Tools" is disclaimed apart from the mark.
FOR TWIST DRILLS, REAMERS, MILLING CUTTERS, COUNTERSINKS, AND COMBINATION DRILLS AND COUNTERSINKS.
Claims use since Mar. 18, 1936.

Ser. No. 476,258. THE PERMA-FLEX MOLD CO., Columbus, Ohio. Filed Nov. 8, 1944.

Perma-Flex

FOR FLEXIBLE MOLDS FOR THE CASTING OF PLASTER, PLASTICS, METALS, AND THE LIKE.
Claims use since Aug. 15, 1944.

Ser. No. 480,581. HAMILTON KENT MANUFACTURING COMPANY, Kent, Ohio. Filed Mar. 7, 1945.

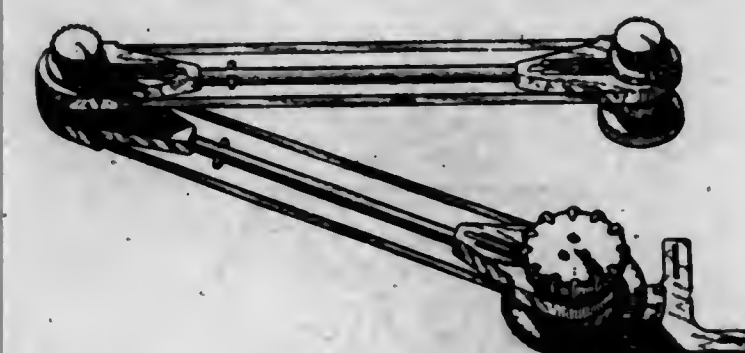
REXON

FOR RUBBER VIBRATION MOUNTS FOR MACHINERY AND EQUIPMENT.
Claims use since December 1944.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 463,962. V. & E. MANUFACTURING CO., Pasadena, Calif., assignor to V. & E. Manufacturing Co., Pasadena, Calif., a limited partnership of California. Filed Oct. 6, 1943.



The trade-mark consists of a red circular portion or spot near the center of the upper face of at least one of the brackets of the machine as shown in black color hatching on the drawing, no claim being made to the representation of the drawing machine.

FOR DRAFTING MACHINES OF THE TYPE IN WHICH RULERS ARE MOVABLE OVER A DRAFTING SURFACE, WHILE THEIR ORIENTATION IN AN ANGULAR SENSE WITH RESPECT TO THE DRAFTING SURFACE IS MAINTAINED CONSTANT.
Claims use since Nov. 16, 1942.

Ser. No. 480,991. IRVING KLAMKIN, Brooklyn, N. Y. Filed Mar. 16, 1945.

TEMPY-TAKER

FOR THERMOMETERS.
Claims use since November 1944.

Ser. No. 484,781. CHARLES J. GLASSER, Chicago, Ill. Filed June 20, 1945.

TELESPEX

FOR COMBINATION TELESCOPE AND SPECTACLE.
Claims use since June 12, 1945.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 477,824. THONET BROTHERS, INC., New York, N. Y. Filed Dec. 21, 1944. Under 10-year proviso.

J & J KOHN

FOR BARBERS' ARMCHAIRS, BEDROOM SUITES, BEDSTEADS, CAMP STOOLS, CARD TABLES, CHAIRS, AND TABLES FOR GENERAL USE, CLOTHES STANDS, EASELS, ETAGERES, FLOWER TABLES AND STANDS, FOLDING ARMCHAIRS, FOLDING CHAIRS, FOLDING SCREENS, FOOTSTOOLS, FRAMES FOR LOOKING GLASSES, HAIRDRESSERS' ARMCHAIRS, HAIRDRESSERS' REVOLVING CHAIRS, HANGING CLOTHES RACKS, HAT PEGS, HATRAILS, NEWSPAPER RACKS, LADIES' TOILET STANDS, NIGHT ARMCHAIRS, NIGHT TABLES, NURSING CHAIRS, OCCASIONAL TABLES, OFFICE CHAIRS, PEDESTALS FOR FURNITURE PURPOSES, PRIE-DIEUS, RECLINING COUCHES, ROCKING CHAIRS, SETTEES, SOFAS, SEWING TABLES, SHOP CHAIRS, STANDS FOR MARBLE TABLES, STOOLS, TOWEL RAILS, TOWEL HORSES, TRUNK STANDS, TRYING-ON STOOLS FOR SHOEMAKERS, UMBRELLA STANDS, VENEER SEATS, WALKING-STICK CHAIRS, WARDROBES, WASHING STANDS, AND WRITING DESKS.
Claims use since December 1880.

Ser. No. 477,826. THONET BROTHERS, INC., New York, N. Y. Filed Dec. 21, 1944.

MUNDUS

FOR BARBERS' ARMCHAIRS, BEDROOM SUITES, BEDSTEADS, CAMP STOOLS, CARD TABLES, CHAIRS, AND TABLES FOR GENERAL USE, CLOTHES STANDS, EASELS, ETAGERES, FLOWER TABLES AND STANDS, FOLDING ARMCHAIRS, FOLDING CHAIRS, FOLDING SCREENS, FOOTSTOOLS, FRAMES FOR LOOKING GLASSES, HAIRDRESSERS' ARMCHAIRS, HAIRDRESSERS' REVOLVING CHAIRS, HANGING CLOTHES RACKS, HAT PEGS, HATRAILS, NEWSPAPER RACKS, LADIES' TOILET STANDS, NIGHT ARMCHAIRS, NIGHT TABLES, NURSING CHAIRS, OCCASIONAL TABLES, OFFICE CHAIRS, PEDESTALS FOR FURNITURE PURPOSES, PRIE-DIEUS, RECLINING COUCHES, ROCKING CHAIRS, SETTEES, SOFAS, SEWING TABLES, SHOP CHAIRS, STANDS FOR MARBLE TABLES, STOOLS, TOWEL RAILS, TOWEL HORSES, TRUNK STANDS, TRYING-ON STOOLS FOR SHOEMAKERS, UMBRELLA STANDS, VENEER SEATS, WALKING-STICK CHAIRS, WARDROBES, WASHING STANDS, AND WRITING DESKS.
Claims use since May 1, 1907.

Ser. No. 482,379. S. HORVITZ & SONS, Pawtucket, R. I.
Filed Apr. 20, 1945.



FOR SISAL PADDING, USED IN MATTRESSES AND
UPHOLSTERED FURNITURE.
Claims use in Jan. 2, 1944.

Ser. No. 485,301. NEW YORK MATTRESS COMPANY, Boston,
Mass. Filed June 30, 1945.

Red Crest

FOR MATTRESSES.
Claims use since June 19, 1945.

Ser. No. 485,302. NEW YORK MATTRESS COMPANY, Boston,
Mass. Filed June 30, 1945.

Red Crown

FOR MATTRESSES.
Filed June 19, 1945.

CLASS 33 GLASSWARE

Ser. No. 485,107. THATCHER MANUFACTURING COMPANY,
Elmira, N. Y. Filed June 27, 1945.

ONE-WAY

FOR GLASS BOTTLES.
Claims use since Apr. 13, 1945.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 468,973. RAYMOND J. SCHEFFLER, doing business
as Grand Rapids Die and Tool Company, Grand Rapids,
Mich. Filed Apr. 3, 1944.

Properaire

FOR ROTARY FANS, EXHAUST BLOWERS, FORCED
DRAFT BLOWERS, FURNACE BLOWERS, DUST COL-
LECTORS, AND CIRCULATING BLOWERS ALL FOR
VENTILATING AND AIR CONDITIONING.
Claims use since Sept. 1, 1935.

Ser. No. 481,418. MOFFATS LIMITED, Town of Weston,
Ontario, Canada. Filed Mar. 28, 1945.



FOR GAS, OIL, COAL, AND WOOD BURNING STOVES
AND RANGES; OVENS FOR USE WITH SUCH STOVES
AND RANGES; GAS AND OIL BURNERS FOR USE
WITH GAS AND OIL STOVES AND RANGES; AND
PARTS THEREOF.
Claims use since 1930.

Ser. No. 482,307. AMERICAN ENGINEERING COMPANY,
Philadelphia, Pa. Filed Apr. 19, 1945.

**AE
CO**

FOR FURNACE STOKERS AND PARTS THEREOF
PECULIAR TO FURNACE STOKERS.
Claims use since Aug. 20, 1921.

Ser. No. 484,159. BOR-LENZ ENTERPRISES, Los Angeles,
Calif. Filed June 5, 1945.

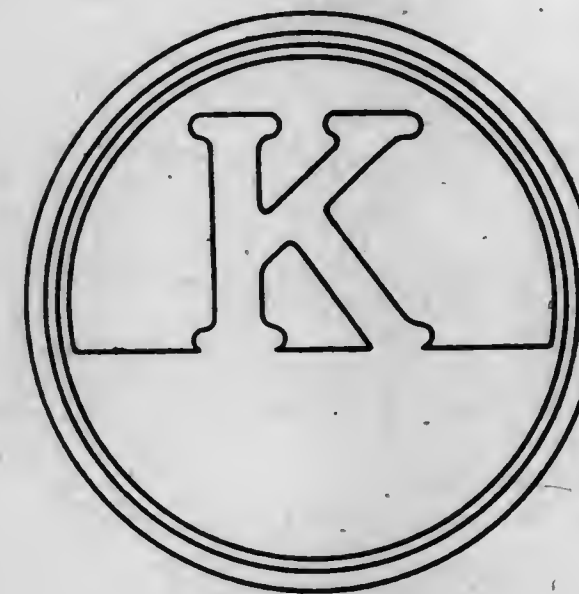
Rocket

FOR PYROPHORIC CIGARETTE, CIGAR, AND PIPE
LIGHTERS.
Claims use since Oct. 3, 1944.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 485,296. WALTER KIDDE & COMPANY, INC., New
York, N. Y., and Belleville, N. J. Filed June 30, 1945.



FOR FLEXIBLE METAL HOSE.
Claims use since Sept. 1, 1942.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 478,485. AMERICAN INTERNATIONAL PUBLICA-
TIONS, INC., New York, N. Y. Filed Jan. 11, 1945.

CHIC

FOR PERIODICAL.
Claims use since Jan. 6, 1945.

Ser. No. 483,582. QUALITY ART NOVELTY CO., INC., Long
Island City, N. Y. Filed May 19, 1945.

CAPRICE

FOR GREETING CARDS.
Claims use since February 1945.
578 O. G.—2

Ser. No. 483,583. QUALITY ART NOVELTY CO., INC., Long
Island City, N. Y. Filed May 19, 1945.

Cheerio

FOR GREETING CARDS.
Claims use since February 1945.

Ser. No. 483,584. QUALITY ART NOVELTY CO., INC., Long
Island City, N. Y. Filed May 19, 1945.

Gala

FOR GREETING CARDS.
Claims use since February 1945.

Ser. No. 483,699. SPAULDING BAKERIES, INC., Binghamton,
N. Y. Filed May 23, 1945.

SELL

FOR MAGAZINE PUBLISHED MONTHLY PARTIC-
ULARLY DEVOTED TO THE MERCHANDISING OF
APPLICANT'S BAKERY PRODUCTS.
Claims use since Jan. 10, 1945.

CLASS 39 CLOTHING

Ser. No. 469,948. ALLIED STORES CORPORATION, Wilming-
ton, Del., doing business as "The Bon Marche", Seattle,
Wash., Dey Brothers & Company, Syracuse, N. Y., and
Quackenbush Company, Paterson, N. J. Filed May 5,
1944.

**California
Cajolers**

Applicant disclaims the word "California" except as
shown.

FOR MEN'S, WOMEN'S, AND CHILDREN'S CLOTH-
ING—NAMELY, COATS, SUITS, SWEATERS, UNDER-
WEAR, GLOVES OF LEATHER AND FABRIC, HATS,
HOSIERY, AND SHOES MADE OF LEATHER, FABRIC,
RUBBER, OR A COMBINATION OF SUCH MATERIALS.
Claims use since Jan. 25, 1944.

Ser. No. 475,897. CATALINA KNITTING MILLS, Los Angeles, Calif., now by change of name Catalina, Inc., a corporation of California. Filed Oct. 31, 1944.

Catalina

FOR MEN'S, WOMEN'S, AND CHILDREN'S SPORTS-WEAR—NAMELY, SUN-SUITS, PLAY-SUITS, BLOUSES, ATHLETIC TRUNKS AND BRASSIÈRES; MEN'S AND WOMEN'S SPORT SHIRTS AND KNITTED OUTER GARMENTS—NAMELY, COATS, JACKETS, AND VESTS.

Claims use since Oct. 4, 1926.

Ser. No. 480,287. GOODYEAR RUBBER SUNDRIES, INC., New Haven, Conn. Filed Feb. 27, 1945.

Goodyear-Guardian

The surname "Goodyear" is disclaimed apart from the mark.

FOR SYNTHETIC RUBBER BABY PANTS.
Claims use since Dec. 4, 1944.

Ser. No. 480,872. JACK MAYO, New York, N. Y. Filed Mar. 13, 1945.

Lindabelle

FOR CHILDREN'S PANTIES.
Claims use since Feb. 15, 1943.

Ser. No. 481,272. FREDERIC J. DORMER, New York, N. Y. Filed Mar. 24, 1945.



Applicant disclaims the name "Frederic J. Dormer" except as shown.

FOR APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, DRESSES, SUITS, PANTS, PLUS FOURS, GAITERS, CAPS, VESTS, COATS, LEATHER BOOTS AND SHOES, SLIPPERS OF FABRIC, NECKTIES, SHORTS, GLOVES AND MITTENS OF LEATHER AND FABRIC, SWEATERS, SHAWLS, UNDERWEAR, STOCKINGS, SOCKS, HEAD BANDS, SPORT SHIRTS, SPORT JACKETS, SUSPENDERS, AND BELTS FOR PERSONAL WEAR.

Claims use since Oct. 24, 1944.

Ser. No. 481,339. TIoga WOOLEN MILLS, Philadelphia, Pa. Filed Mar. 27, 1945. Under the act of February 20, 1905, as amended June 10, 1938.



Applicant disclaims the word "Tioga" except as shown. The drawing is lined for shading.

FOR LADIES', MISSES' AND GIRLS' COATS, SUITS, JACKETS, OUTER SKIRTS, JUMPERS, LUMBER-JACKETS, SCARFS, BLOUSES, AND BATHROBES; AND MEN'S AND BOYS' SPORT SHIRTS, NECKTIES, AND LUMBERJACKETS.

Claims use since Jan. 1, 1944.

Ser. No. 481,395. WEBER SPORTSWEAR CO., Newburgh, N. Y. Filed Mar. 27, 1945.



FOR MEN'S OUTDOOR LEATHER AND CLOTH LINED JACKETS AND COATS; MEN'S OUTDOOR SHEEP-LINED JACKETS AND COATS; LADIES' OUTDOOR CLOTH JACKETS AND COATS; LADIES' OUTDOOR SHEEP-LINED JACKETS AND COATS; MEN'S AND WOMEN'S CLOTH AND SHEEP-LINED JACKETS, FLYING JACKETS AND FLYING SUITS FOR OUTDOOR AND SPORTS WEAR.

Claims use since Nov. 1, 1923.

Ser. No. 482,019. MACK SEPLER, New York, N. Y. Filed Apr. 11, 1945.



The name "Mack Sepler" appearing in the drawing is applicant's facsimile signature. The representation of a skirt is disclaimed except as shown.
FOR WOMEN'S OUTER SKIRTS.
Claims use since Oct. 6, 1944.

Ser. No. 482,101. ANDREW GELER SHOE MANUFACTURING Co. INC., Brooklyn, N. Y. Filed Apr. 13, 1945.

Licito

FOR LADIES' SHOES MADE FROM LEATHER, FABRIC, RUBBER, PLASTICS, OR COMBINATIONS THEREOF.

Claims use since Feb. 1, 1945.

Ser. No. 482,984. GARLAND E. FOWLER, Albuquerque, N. Mex. Filed May 4, 1945.

TAILORS

No claim is made to the word "Tailors" apart from the mark.

FOR MEN'S AND LADIES' SUITS, SLACKS, OVERCOATS, AND SPORT COATS.

Claims use since Dec. 23, 1944.

Ser. No. 483,732. MINNEAPOLIS KNITTING WORKS, Minneapolis Minn. Filed May 24, 1945.

Knit'ns

FOR GIRLS' KNIT UNDERWEAR.
Claims use since May 14, 1945.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 470,110. JEWEL TOGS, INC., New York, N. Y. Filed May 10, 1944.

CUNNINGS

FOR BUTTON AND BUTTONHOLE TAPES AND SNAP FASTENER TAPES.
Claims use since Mar. 1, 1944.

Ser. No. 481,738. DOLLY MADISON HAIR PIN CORP., New York, N. Y. Filed Apr. 5, 1945.

Dolly Madison

The name "Dolly Madison" is that of a deceased celebrity, an official hostess of the White House during several presidential administrations.

FOR HAIR PINS.

Claims use since Apr. 30, 1941.

Ser. No. 481,757. ROYAL HAIR PIN CORPORATION, New York, N. Y. Filed Apr. 5, 1945.

CoiffureKeys

The word "Coiffure" is disclaimed apart from the mark.

FOR BOB PINS.

Claims use since Dec. 1, 1944.

Ser. No. 481,799. PLA-SAFE PLASTICS CORPORATION, Buffalo, N. Y. Filed Apr. 6, 1945.

PLA-Safe

No claim is made to the word "Safe" apart from the mark.

FOR WRIST WATCH STRAPS MADE OF PLASTIC.
Claims use since Mar. 7, 1945.

Ser. No. 482,122. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Apr. 13, 1945.

P·D·F

FOR DOPED BIAS TAPE; DOPED NARROW BANDINGS AND STRIPS; AND OTHER DOPED TAPE IN THE FORM OF YARDAGE FOR USE IN THE MANUFACTURE OF AIRPLANES.

Claims use since June 28, 1944.

Ser. No. 482,805. THE I. LEON COMPANY, Massapequa, Long Island, N. Y. Filed Apr. 30, 1945.



Applicant disclaims "It Is Good" and "Curl Clip".
FOR CURL CLIPS.
Claims use since February 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 458,724. CAMPOMAR & SOULAS, S. A., Montevideo, Uruguay. Filed Feb. 24, 1943.



"Tiempo es Oro" translated means "Time is Gold".
FOR ALL WOOL PIECE GOODS AND PIECE GOODS CONTAINING A MIXTURE OF WOOL AND COTTON, WOOL AND SILK, OR WOOL, COTTON, AND SILK, ALL WOOLEN BLANKETS, AND BLANKETS HAVING A WOOL WFT AND A COTTON CHAIN, WOOLEN TRAVELLING RUGS, AND ALL WOOL BILLIARD CLOTH.
Claims use since December 1905.

Ser. No. 470,252. ALLIED STORES CORPORATION, Wilmington, Del., doing business as "The Bon Marche", Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J., also doing business as Home Furnishings Institute. Filed May 15, 1944.



No claim is made to the words "Home Furnishings Institute" apart from the mark.

FOR CURTAINS, TABLE CLOTHS, TOWELS, BED SHEETS, PILLOW CASES, PERCALE PIECE GOODS, DRAPERY FABRICS, UPHOLSTERY FABRICS, BLANKETS, RUGS, AND CARPETS.

Claims use since Nov. 2, 1943.

Ser. No. 474,573. CALLAWAY MILLS, Lagrange, Ga. Filed Sept. 25, 1944.



No claim is made to the notation "Callaway Mills" apart from the mark.

FOR UNTREATED TEXTILE FABRIC POLISHING CLOTHS.

Claims use since June 30, 1944.

Ser. No. 479,095. SOULES & SOULES, Los Angeles, Calif. Filed Jan. 27, 1945.



Applicant disclaims the wording "California", "Cal", and "fabric".

FOR PIECE GOODS OF COTTON, SILK, RAYON, AND/OR COMBINATIONS THEREOF.

Claims use since June 1, 1944.

Ser. No. 481,390. TIOGA WOOLEN MILLS, Philadelphia, Pa. Filed Mar. 27, 1945.



Applicant disclaims the word "Tioga" except as shown. The drawing is lined for shading only.
FOR WOOLEN AND WORSTED FABRICS IN THE PIECE.

Claims use since Jan. 1, 1944.

Ser. No. 483,089. SCHINDEL-MCDANIELS CO., INC., New York, N. Y. Filed May 7, 1945.



FOR BEDSPREADS, SHEETS, AND PILLOW CASES.
Claims use since Feb. 1, 1923.

Ser. No. 483,185. THE LEONARD COMPANY, New York, N. Y. Filed May 10, 1945.

ACRINOLE

FOR PLASTIC COATED TEXTILE FABRICS IN THE PIECE.

Claims use since Apr. 3, 1945.

Ser. No. 483,790. RIVERSIDE & DAN RIVER COTTON MILLS, Inc., Danville, Va. Filed May 25, 1945.

Prince Oxford

No claim is made for the word "Oxford" apart from the mark.

FOR PIECE GOODS COMPOSED OF COTTON, RAYON, WOOL, OR SYNTHETIC FIBRES, AND MIXTURES THEREOF.

Claims use since May 11, 1945.

CLASS 43

THREAD AND YARN

Ser. No. 482,654. SPINNERIN YARN CO., INC., New York, N. Y. Filed Apr. 26, 1945.

NYLANA

FOR YARN MADE OF NYLON AND WOOL AND COMBINATIONS THEREOF.
Claims use since Apr. 9, 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 469,567. JOHNSON & JOHNSON, New Brunswick, N. J. Filed Apr. 22, 1944.

V-PADS

No claim is made to the word "Pads" apart from the mark.

FOR SANITARY NAPKINS.

Claims use since November 1930.

Ser. No. 480,390. VINCENZO SCATTONE, New York, N. Y. Filed Mar. 1, 1945.

MIRAKLE SUPORT

The word "Support" is disclaimed apart from the mark.

FOR HERNIA TRUSSES.

Claims use since July 22, 1943.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 460,903. CHRISTOS PALEOS, doing business as C. A. Paleos Co., Lowell, Mass. Filed May 25, 1943.



FOR CANDY.
Claims use since June 1, 1925.

Ser. No. 471,954. MARLON CONFECTIONS COMPANY, New York, N. Y. Filed July 6, 1944.



Applicant is the owner of registration 396,486, dated July 21, 1942. No claim is made to a ribbon or to the representation of a ribbon in so far as it may serve or appear to serve as a tying medium for the container. The representation of the label and the goods are disclaimed apart from the mark.

FOR CANDIES.
Claims use since June 1, 1944.

Ser. No. 476,261. REDLANDS FOOTHILL GROVES, Redlands, Calif. Filed Nov. 8, 1944.



BRONCO

Applicant is the owner of Reg. No. 198,310 (renewed). The picture of the man is fanciful.
FOR FRESH CITRUS FRUIT.
Claims use since Dec. 1, 1909.

Ser. No. 478,430. HALF MOON BAY GROWERS ASSOCIATION, San Francisco, Calif. Filed Jan. 15, 1945.

GLAMOUR GIRL

FOR FRESH VEGETABLES—NAMESLY, SPROUTS AND CAULIFLOWER.
Claims use since Nov. 20, 1944.

Ser. No. 479,855. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa. Filed Feb. 9, 1945. Under 10-year proviso as to "Whitman's".

Whitman's
Sampler

The applicant is the owner of registrations 95,968 and 325,862, disclosing the words "Whitman's Sampler."

FOR CANDY.
Claims use since Jan. 1, 1912; and since 1842 as to "Whitman's".

Ser. No. 482,594. SOUTHWEST FARMS, Phoenix, Ariz. Filed Apr. 25, 1945.

ROGER
BRAND
SIGNAL OF ACCEPTANCE

— SOUTHWEST FARMS —

No claim is made to the words "Brand" or "Southwest Farms" apart from the mark.
FOR FRESH VEGETABLES.
Claims use since Apr. 2, 1945.

Ser. No. 483,034. DALLAS CANDY CO., Dallas, Tex. Filed May 7, 1945.

Marvin's
Hung'sfeast
PECAN ROLL

The words "Marvin's" and "Pecan Roll" are claimed only as shown.
FOR PECAN CANDIES.
Claims use since September 1943.

Ser. No. 484,265. CURT MICHAELIS, New York, N. Y. Filed June 7, 1945.



Applicant is the owner of Reg. No. 367,375 and 367,487. Applicant disclaims the word "Shortening" apart from the mark.

FOR SHORTENING IN SOLID FORM AND OF VEGETABLE ORIGIN FOR USE IN COOKING AND BAKING, AS IN THE PREPARATION OF CAKE ICINGS.
Claims use since May 25, 1945.

Ser. No. 484,423. ARCHIE POMPEO, doing business as Evergreen Food Products, Seattle, Wash. Filed June 11, 1945.

SEOLA

FOR PICKLES.
Claims use since Mar. 15, 1945.

Ser. No. 484,555. THE BORDEN COMPANY, New York, N. Y. Filed June 15, 1945.

GERILAC

FOR POWDERED MODIFIED MILK FOR SPECIAL DIETARY USES CONTAINING THE FOLLOWING SPRAY-DRIED SUBSTANCES: MILK, SKIM MILK, DRIED BREWERS' YEAST FORTIFIED WITH FERMENTATION SOLUBLES, VITAMINS A AND D CONCENTRATE FROM FISH LIVER OIL, IRRADIATED ERGOSTEROL (VITAMIN D), ASCORBIC ACID, NIACINAMIDE, MONOSODIUM PHOSPHATE AND IRON CITRATE.

Claims use since Apr. 17, 1945.

Ser. No. 484,956. ITALIAN COOK OIL CORP., Brooklyn, N. Y. Filed June 23, 1945.

AGASH

FOR OLIVE OIL.
Claims use since 1903.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

SEPTEMBER 4, 1945

416,184. TELEVISION RECEIVING SETS. RETAIL STORES SERVICE, INC., Baltimore, Md., assignor to Air King Products Co. Inc., New York, N. Y., a corporation of New York.
Filed July 14, 1939. Serial No. 421,581. PUBLISHED SEPTEMBER 19, 1939. Class 21.

416,185. AUTOMOBILE ANTIFREEZE COMPOUND. ATLAS SUPPLY COMPANY, Newark, N. J.
Filed October 14, 1941. Serial No. 447,777. PUBLISHED NOVEMBER 25, 1941. Class 6.

416,186. DENTURES. SHOLL DENTAL LABORATORY COMPANY, Houston, Tex.
Filed June 15, 1942. Serial No. 453,685. PUBLISHED AUGUST 11, 1942. Class 44.

416,187. LADIES' WEARING APPAREL—NAMESLY, SLIPS, PETTICOATS, BRIEFS, UNDER SHORTS, UNDERDRAWERS, PANTIES, ETC. INDUSTRIAL UNDERGARMENT CORPORATION, Poughkeepsie, N. Y.
Filed November 13, 1942. Serial No. 456,800. PUBLISHED JANUARY 25, 1944. Class 39.

416,188. MULTI-VITAMIN AND MINERAL TABLETS. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed January 30, 1943. Serial No. 458,252. PUBLISHED MARCH 30, 1943. Class 6.

416,189. DISINFECTING SOLUTION. WARREN F. WILHELM, doing business as New Products Laboratories, Chicago, Ill., assignor to Winthrop Chemical Company, Inc., a corporation of New York.
Filed March 15, 1943. Serial No. 459,140. PUBLISHED JUNE 8, 1943. Class 6.

416,190. WOMEN'S SLIPS. LOUIS HERMAN & COMPANY, New York, N. Y.
Filed May 29, 1943. Serial No. 461,017. PUBLISHED SEPTEMBER 21, 1943. Class 39.

416,191. DUSTING BRUSH ATTACHMENTS FOR SUCTION CLEANERS. EUREKA VACUUM CLEANER COMPANY, Detroit, Mich.
Filed June 28, 1943. Serial No. 461,686. PUBLISHED JUNE 26, 1945. Class 23.

416,192. FLAT PIECE GOODS COMPOSED WHOLLY OR PARTLY OF WOOL FOR USE IN THE MANUFACTURE OF WOMEN'S CLOAKS AND SUITS. AMERICAN WOOLEN COMPANY, Boston, Mass., and New York, N. Y.
Filed July 3, 1943. Serial No. 461,835. PUBLISHED JUNE 26, 1945. Class 46.

416,193. IMITATION CINNAMON. THE GRIFFITH LABORATORIES, INC., Chicago, Ill.
Filed July 16, 1943. Serial No. 462,114. PUBLISHED JUNE 26, 1945. Class 46.

416,194. ARTICLES PUBLISHED IN A CONTINUING SERIES AND APPEARING MONTHLY IN A TRADE MAGAZINE DIRECTED TO METAL WORKING MACHINERY, TOOLS, AND METHODS. THE BRAMSON PUBLISHING COMPANY, Detroit, Mich.
Filed September 6, 1943. Serial No. 463,240. PUBLISHED MAY 15, 1945. Class 38.

416,195. ANTISEPTIC, GERMICIDE, AND DEODORIZER. THE OAKLAND CHEMICAL COMPANY, INC., New York, N. Y.
Filed September 11, 1943. Serial No. 463,357. PUBLISHED JUNE 26, 1945. Class 6.

416,196. CUTTING TOOLS FOR MACHINE TOOLS. BOKUM TOOL COMPANY, INC., Detroit, Mich.
Filed November 5, 1943. Serial No. 464,744. PUBLISHED JUNE 26, 1945. Class 23.

416,197. AUTOMOBILE REPAIR AND REPLACEMENT PARTS—NAMESLY, BRUSHES; DISTRIBUTOR BREAKERS, POINTS, CAPS, AND PARTS; IGNITION COILS AND PARTS; CONDENSERS AND PARTS; LIGHTS AND PARTS; AND WIRING. JAMBOR TOOL & STAMPING COMPANY, Milwaukee, Wis.
Filed November 8, 1943. Serial No. 464,819. PUBLISHED JUNE 26, 1945. Class 21.

416,198. MAPS. WEEKLY PUBLICATIONS, INC., New York, N. Y.
Filed November 29, 1943. Serial No. 465,377. PUBLISHED MARCH 21, 1944. Class 38.

416,199. HANDKERCHIEFS. S. M. LEVY & SONS, New York, N. Y., assignor to A. B. Chabot & Co., New York, N. Y.
Filed December 4, 1943. Serial No. 465,508. PUBLISHED APRIL 18, 1944. Class 39.

416,200. SPICED LUNCHEON MEAT. KINGAN & CO. INCORPORATED, Indianapolis, Ind.
Filed December 18, 1943. Serial No. 465,871. PUBLISHED JUNE 26, 1945. Class 46.

416,201. INSECT REPELLENT OINTMENT. ROBERT H. HARKINS, doing business as Nott Manufacturing Co., Mount Vernon, N. Y.
Filed January 14, 1944. Serial No. 466,573. PUBLISHED JUNE 26, 1945. Class 6.

416,202. CURTAINS. TEXAGON MILLS, INC., North Bergen, N. J.
Filed January 25, 1944. Serial No. 466,869. PUBLISHED JUNE 26, 1945. Class 42.

416,203. NETTING OF RAYON, NYLON, COTTON, OR SILK. TEXAGON MILLS, INC., North Bergen, N. J.
Filed January 25, 1944. Serial No. 466,871. PUBLISHED JUNE 26, 1945. Class 42.

416,204. BUILDING PAPER AND CONCRETE CURING COMPOUNDS. THE RICHKRAFT COMPANY, Chicago, Ill.
Filed January 27, 1944. Serial No. 466,931. PUBLISHED JUNE 26, 1945. Class 12.

416,205. BEER AND LIKE CEREAL MALT. GRACE Bros. BREWING CO., Santa Rosa, Calif.
Filed February 14, 1944. Serial No. 467,396. PUBLISHED JUNE 12, 1945. Class 48.

416,206. BLUEPRINTS, PHOTO-TRACINGS, VAN DYKE PRINTS, OFFSET PRINTS, PHOTO PRINTS, AND PHOTOGRAPHS. RAYMOND H. LUTZ, doing business as Aero Reproductions of New England, Bridgeport, Conn.
Filed March 15, 1944. Serial No. 468,328. PUBLISHED JUNE 12, 1945. Class 38.

416,207. PREPARATIONS FOR USE IN THE DRESSING, CARE, AND TREATMENT OF THE HAIR. THE COUNTY PERFUMERY COMPANY, INC., Bloomfield, N. J.
Filed March 25, 1944. Serial No. 468,663. PUBLISHED JUNE 13, 1944. Class 6.

416,208. SEWING BOXES, DOUGH TROUGHS, PIN TRAYS MADE OF WOOD, SERVING TRAYS MADE OF WOOD, DESK BOXES, TRINKET BOXES MADE OF WOOD, ETC. STEVEN AGNES HALL, Weston, Vt.
Filed March 13, 1944. Serial No. 468,255. PUBLISHED JUNE 26, 1945. Class 2.

416,209. MONTHLY MERCHANDISING MEDIUM MAGAZINES. HORNSTEIN SALES, Chicago, Ill.
Filed March 25, 1944. Serial No. 468,675. PUBLISHED JUNE 12, 1945. Class 38.

SEPTEMBER 4, 1945

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416,210. HAND LOTION. BRISTOL-MYERS COMPANY, New York, N. Y.
Filed April 6, 1944. Serial No. 469,075. PUBLISHED JUNE 26, 1945. Class 6.

416,211. ELECTRIC FURNACES FOR INDUSTRIAL USES. AJAX ELECTROTHERMIC CORPORATION, Ajax Park, Trenton, N. J.
Filed April 18, 1944. Serial No. 469,426. PUBLISHED JANUARY 9, 1945. Class 21.

416,212. SHEETS, PILLOW CASES, TOWELS, BRIDGE SETS CONSISTING OF FOUR NAPKINS AND A TABLE CLOTH, SCARFS, SPREADS, SHAG RUGS, COTTON AND CHENILLE RUGS, ETC. THE DOLPHIN COMPANY, New York, N. Y.
Filed April 19, 1944. Serial No. 469,465. PUBLISHED JUNE 26, 1945. Class 42.

416,213. OIL OF VITRIOL, SULPHURIC ACID, AMMONIUM PERSULFATE, BLEACHES, SODIUM SILICATES, ETC. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed May 4, 1944. Serial No. 469,940. PUBLISHED AUGUST 29, 1944. Class 6.

416,214. PROCESSED FATTY OILS FOR USE IN THE PAINT INDUSTRY. NATIONAL LEAD COMPANY, New York, N. Y.
Filed May 13, 1944. Serial No. 470,228. PUBLISHED JUNE 26, 1945. Class 16.

416,215. PROCESSED FATTY OILS FOR USE IN THE PAINT INDUSTRY. NATIONAL LEAD COMPANY, New York, N. Y.
Filed May 13, 1944. Serial No. 470,229. PUBLISHED JUNE 26, 1945. Class 16.

416,216. COMPACTS OF BASE METAL OR COMPOSITION MATERIALS AND SOLD IN TRADE EMPTY. THE WADSWORTH WATCH CASE COMPANY, Dayton, Ky.
Filed May 16, 1944. Serial No. 470,320. PUBLISHED JUNE 26, 1945. Class 2.

416,217. BILLIARD TABLE CUSHIONS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed May 29, 1944. Serial No. 470,753. PUBLISHED JUNE 26, 1945. Class 22.

416,218. OINTMENT DESIGNED TO AID THE GROWTH OF HAIR, FACE POWDER, SKIN CREAMS, AND LOTIONS, ROUGE, HAIR POMADE, NAIL POLISH, AND DEODORANTS. AMANDA-L CO., Chicago, Ill.
Filed June 5, 1944. Serial No. 470,903. PUBLISHED DECEMBER 19, 1944. Class 6.

416,219. WOMEN'S, MISSES', CHILDREN'S, AND INFANTS' KNITTED SWEATERS. JOSEPH FREUND, doing business as Joseph Freund Knitting Mill, Guttenberg, N. J.
Filed July 15, 1944. Serial No. 472,279. PUBLISHED OCTOBER 3, 1944. Class 39.

416,220. MIXTURE OF EXPANDED-VERMICULITE THERMAL INSULATION AGGREGATE AND WATERPROOFING AGENT FOR THE PRODUCTION OF INSULATING CONCRETE TO BE USED AROUND PIPING. UNIVERSAL ZONOLITE INSULATION CO., Chicago, Ill.
Filed July 17, 1944. Serial No. 472,846. PUBLISHED JUNE 26, 1945. Class 12.

416,221. AGRICULTURAL PARASITICIDES. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif.
Filed July 22, 1944. Serial No. 472,502. PUBLISHED JANUARY 16, 1945. Class 6.

416,222. CHILDREN'S BIBS AND APRONS. GRACE W. CARLSON, doing business as Piggy Bib Co., St. Paul, Minn.
Filed July 22, 1944. Serial No. 472,508. PUBLISHED JUNE 26, 1945. Class 39.

416,223. AUTOMATIC APPARATUS FOR USE IN CONNECTION WITH FILTERS, ZEOLITE SOFTENERS, GRANULAR ACTIVATED CARBON PURIFIERS AND SIMILAR EQUIPMENT USED IN LIQUID PURIFICATION, FOR THE PURPOSE OF INDICATING AND CONTROLLING THE RESPECTIVE FLOWS OF LIQUID THROUGH SUCH EQUIPMENT, AND PARTS OF SUCH AUTOMATIC APPARATUS. INFILCO INCORPORATED, Chicago, Ill.
Filed August 7, 1944. Serial No. 473,028. PUBLISHED JUNE 26, 1945. Class 26.

416,224. LIQUID RODENT REPELLENT. NASH & KINSELLA LABORATORIES, INC., St. Louis, Mo.
Filed February 24, 1945. Serial No. 480,183. PUBLISHED JULY 3, 1945. Class 6.

416,225. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. PAUL I. McDERMOTT, doing business as The Quartet Co., St. Paul, Minn.
Filed August 18, 1944. Serial No. 473,422. PUBLISHED JUNE 19, 1945. Class 45.

416,226. HOUSEHOLD CLEANSER. LUMAR PRODUCTS COMPANY, Bridgeport, Conn.
Filed August 24, 1944. Serial No. 473,568. PUBLISHED JUNE 26, 1945. Class 4.

416,227. ALL TYPES OF WOMEN'S WEARING APPAREL—NAMESLY, SUITS, DRESSES, COATS, SKIRTS, SWEATERS, AND BLOUSES, AND HOUSERY. FRED & CLARK HAAS, INC., Omaha, Nebr.
Filed August 30, 1944. Serial No. 473,737. PUBLISHED JUNE 26, 1945. Class 39.

416,228. FACIAL MAKE-UP. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill., now by change of name Associated Products, Inc.
Filed September 8, 1944. Serial No. 473,974. PUBLISHED JUNE 19, 1945. Class 6.

416,229. NON-METALLIC METATARSAL SUPPORTS, ARCH PADS, AND HEEL CUSHIONS, MADE TO BE INSERTED INTO BOOTS AND SHOES AND TO BECOME A PART OF THE SHOE. CLAUDE H. DANIELS, Stamford, Conn.
Filed September 12, 1944. Serial No. 474,115. PUBLISHED JUNE 19, 1945. Class 39.

416,230. COTTON TROUSERS. CALLAWAY MILLS, La-grange, Ga.
Filed September 25, 1944. Serial No. 474,577. PUBLISHED JUNE 26, 1945. Class 39.

416,231. PORCH AND WINDOW SHADES MADE OF WOVEN SLAT MATERIAL WITH OTHER INCIDENTAL USES IN THE FIELD OF FURNISHING. THE AEROSHADE COMPANY, Waukesha, Wis.
Filed September 27, 1944. Serial No. 474,647. PUBLISHED JUNE 26, 1945. Class 32.

416,232. LADIES' AND MISSES' SLIPS, NIGHTGOWNS, PAJAMAS, AND BED JACKETS. NU-FASHION UNDERWEAR CORP., New York, N. Y.
Filed October 4, 1944. Serial No. 474,917. PUBLISHED JUNE 26, 1945. Class 39.

416,233. LAXATIVES. HERMAN BERGER, doing business as Standard Pharmaceutical Co., New York, N. Y.
Filed October 5, 1944. Serial No. 474,943. PUBLISHED JUNE 19, 1945. Class 6.

416,234. FOOD BEVERAGE MADE OF BANANA FLOUR AND COCOA, VITAMIN ENRICHED, IN POWDER FORM. IMPROVED PRODUCTS INC., Culver City and Los Angeles, Calif.
Filed October 7, 1944. Serial No. 475,054. PUBLISHED JUNE 26, 1945. Class 46.

416,235. TEXTILE FABRICS IN THE PIECE, OF COTTON, SPUN RAYON, PROTEIN FIBRES AND COMBINATIONS THEREOF. CREST FABRICS CORP., New York, N. Y.
Filed October 14, 1944. Serial No. 475,323. PUBLISHED JUNE 26, 1945. Class 42.

- 416,236. LIQUID AIR PURIFIER AND DEODORANT. JOHN C. STALFORD & SONS, INC., Baltimore, Md. Filed October 17, 1944. Serial No. 475,403. PUBLISHED JUNE 26, 1945. Class 6.
- 416,237. FERTILIZERS. THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y. Filed October 18, 1944. Serial No. 475,409. PUBLISHED JUNE 26, 1945. Class 10.
- 416,238. SEMI-FABRICATED STAMPINGS. A. G. REDMOND CO., Owosso, Mich. Filed October 24, 1944. Serial No. 475,665. PUBLISHED JUNE 19, 1945. Class 14.
- 416,239. PROTECTIVE COATING IN THE NATURE OF PAINT. CONDO CHEMICAL CORPORATION, Norwalk, Conn. Filed October 31, 1944. Serial No. 475,898. PUBLISHED JANUARY 16, 1945. Class 16.
- 416,240. HATS FOR MEN. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed November 1, 1944. Serial No. 475,955. PUBLISHED JUNE 19, 1945. Class 39.
- 416,241. UNFINISHED AND PARTLY FINISHED STAMPINGS FOR MECHANICAL DEVICES MADE OF METAL—NAMELY, CLAMPS, BRACKETS, MOUNTING PLATES, BASES, FRAMES, CHASSIS, CAPS, SHIMS, HOUSINGS, RINGS, AND COVERS. CONCORD PRODUCTS CORPORATION, Chicago, Ill. Filed November 16, 1944. Serial No. 476,497. PUBLISHED JUNE 19, 1945. Class 14.
- 416,242. HEART AND RESPIRATORY STIMULANT. G. W. CARNRICK CO., Newark, N. J. Filed November 20, 1944. Serial No. 476,661. PUBLISHED JUNE 19, 1945. Class 6.
- 416,243. CREAM DEODORANT. HALL & RUCKEL, INC., New York, N. Y. Filed November 22, 1944. Serial No. 476,763. PUBLISHED JUNE 26, 1945. Class 6.
- 416,244. PERMANENT WAVE SOLUTIONS. WALTER A. JORDAN, Chicago, Ill. Filed November 22, 1944. Serial No. 476,768. PUBLISHED MAY 8, 1945. Class 6.
- 416,245. EMOLIENT CREAM USED PRIMARILY FOR EXTERNAL PROTECTION AGAINST FOREIGN MATTER. RICHARD HUDNUT, New York, N. Y. Filed November 23, 1944. Serial No. 476,801. PUBLISHED JUNE 26, 1945. Class 6.
- 416,246. MAGAZINE PUBLICATION. DETECTIVE COMICS, INC., New York, N. Y. Filed December 5, 1944. Serial No. 477,221. PUBLISHED JUNE 19, 1945. Class 38.
- 416,247. PREPARATION FOR COUGHS AND COLDS. DAVIS & LAWRENCE COMPANY, Dobbs Ferry, N. Y. Filed December 6, 1944. Serial No. 477,260. PUBLISHED JUNE 19, 1945. Class 6.
- 416,248. ACCORDIONS. ACME ACCORDION CO., INC., New York, N. Y. Filed December 9, 1944. Serial No. 477,844. PUBLISHED JUNE 26, 1945. Class 36.
- 416,249. RUBBING OIL. A. W. CURTIS, JR., Detroit, Mich. Filed December 18, 1944. Serial No. 477,683. PUBLISHED JUNE 26, 1945. Class 6.
- 416,250. CHEMICAL PREPARATION FOR TREATING DUST CLOTHS TO INCREASE THEIR DUST ABSORBING PROPERTIES. FRANCO-AMERICAN HYGIENIC COMPANY, Chicago, Ill. Filed December 18, 1944. Serial No. 477,692. PUBLISHED JUNE 19, 1945. Class 6.
- 416,251. BLOCKS OF PARADICHLOROBENZENE USED AS A MOTH PREVENTIVE AND DEODORANT. KOPPERS COMPANY, INC., Kearny, N. J. Filed December 23, 1944. Serial No. 477,889. PUBLISHED JUNE 26, 1945. Class 6.
- 416,252. ANTI-CONVULSANT PREPARATION. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed December 23, 1944. Serial No. 477,895. PUBLISHED JUNE 26, 1945. Class 6.
- 416,253. AFTER SHAVE LOTION. EMMY MAYER, doing business as Emmy Bouquet Laboratory, San Francisco, Calif. Filed January 2, 1945. Serial No. 478,162. PUBLISHED JUNE 26, 1945. Class 6.
- 416,254. OINTMENT FOR THE TREATMENT OF MINOR SKIN IRRITATIONS, BRUISES, SLIGHT CUTS AND SCRATCHES, STRAINS AND SPRAINS, NEURALGIA AND NERVOUS HEADACHE, SLIGHT BURNS, SORE MUSCLES AND LIKE AILMENTS. DAVIS & LAWRENCE COMPANY, Dobbs Ferry, N. Y. Filed January 4, 1945. Serial No. 478,208. PUBLISHED JUNE 26, 1945. Class 6.
- 416,255. POLISHING WHEELS ADAPTED TO BE OPERATED ON A MECHANICAL SHAFT. C. B. HUNT & SON, Salem, Ohio. Filed January 8, 1945. Serial No. 478,390. PUBLISHED JUNE 19, 1945. Class 4.
- 416,256. WOVEN PURSES FORMED OF LAUHALA LEAVES. FLORENCE M. KONO, doing business as Hatleigh Sales, Hilo, Territory of Hawaii. Filed January 8, 1945. Serial No. 478,394. PUBLISHED JUNE 26, 1945. Class 3.
- 416,257. WOMEN'S SPORTSWEAR AND APPAREL, CONSISTING OF PLAYSUITS, BLOUSES, OUTER SHORTS, SKIRTS, JUMPERS AND DRESSES. CAREFREE WEAR CO., St. Louis, Mo. Filed January 10, 1945. Serial No. 478,446. PUBLISHED JUNE 19, 1945. Class 39.
- 416,258. PICKLES AND SWEET RELISHES. J. J. GIELOW & SONS, INC., Detroit, Mich. Filed January 10, 1945. Serial No. 478,453. PUBLISHED JUNE 26, 1945. Class 46.
- 416,259. ANTI-PERSPIRANT AND DEODORANT CREAM. LAMBERT PHARMACAL COMPANY, Wilmington, Del., and St. Louis, Mo. Filed January 10, 1945. Serial No. 478,460. PUBLISHED JUNE 26, 1945. Class 6.
- 416,260. MINERAL VITAMIN PREPARATION FOR THE PREVENTION AND TREATMENT OF VITAMIN DEFICIENCIES. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed January 10, 1945. Serial No. 478,468. PUBLISHED JUNE 26, 1945. Class 6.
- 416,261. PUMPS, SUMP PUMPS, CELLAR DRAINER PUMP, AUTOMATIC PUMPS TO PREVENT BASEMENT FLOODING, SMALL SEWER PUMPS, AND SIMILAR WATER CONTROL PUMPS. ELECTRO-KING MFG. COMPANY, Chicago, Ill. Filed January 12, 1945. Serial No. 478,544. PUBLISHED JUNE 26, 1945. Class 23.
- 416,262. SWEATERS. OLYMPIC KNITWEAR, INC., New York, N. Y. Filed January 17, 1945. Serial No. 478,721. PUBLISHED JUNE 26, 1945. Class 39.
- 416,263. CELLULOSE SOLVENT. ECOSTA PAPER CORPORATION, Pisgah Forest, N. C. Filed January 18, 1945. Serial No. 478,748. PUBLISHED JUNE 26, 1945. Class 6.
- 416,264. FIBRE AND WOODEN SHOE CABINETS, LINGERIE CABINETS, BOUDOIR ACCESSORY CABINETS, TOILET ARTICLE CABINETS, AND GENERAL UTILITY CABINETS. KORLA, INC., New York, N. Y. Filed January 20, 1945. Serial No. 478,819. PUBLISHED JUNE 26, 1945. Class 32.

- 416,265. HOUSEHOLD CLEANING PREPARATIONS. CHARLES E. BURNING, Toledo, Ohio. Filed January 22, 1945. Serial No. 478,849. PUBLISHED JUNE 19, 1945. Class 4.
- 416,266. RAYON PIECE GOODS INTENDED FOR USE AS SKIRTINGS. E. MILIUS & CO., INC., New York, N. Y. Filed January 22, 1945. Serial No. 478,888. PUBLISHED JUNE 26, 1945. Class 42.
- 416,267. READY MIXED PAINTS, VARNISH, LACQUER, LIQUID SHELLAC, PAINT THINNER, AND SHELLAC THINNER. SAN DIEGO GLASS & PAINT CO., San Diego, Calif. Filed January 22, 1945. Serial No. 478,905. PUBLISHED JUNE 26, 1945. Class 16.
- 416,268. HAIR COLORING PREPARATION. RENE JOSEPH BIENVENU, doing business as The Pronto Co., Colfax, La. Filed January 26, 1945. Serial No. 479,024. PUBLISHED APRIL 17, 1945. Class 6.
- 416,269. TOILET MIRRORS, STAND MIRRORS, WALL MIRRORS, HAND MIRRORS, EASEL MIRRORS, SHAVING MIRRORS, BATHROOM MIRRORS, AND FURNITURE MIRRORS. DE BOER & LIVINGSTON, INC., New York, N. Y. Filed January 27, 1945. Serial No. 479,068. PUBLISHED JUNE 26, 1945. Class 32.
- 416,270. WOMEN'S SLACKS. HOLLYWOOD CASUALS, Los Angeles, Calif. Filed January 31, 1945. Serial No. 479,234. PUBLISHED JUNE 26, 1945. Class 39.
- 416,271. PREPARATIONS FOR ATHLETE'S FOOT. PETER TRIOLO, doing business as Prucide Laboratories, Brooklyn, N. Y. Filed January 31, 1945. Serial No. 479,260. PUBLISHED JUNE 19, 1945. Class 6.
- 416,272. GAME APPARATUS—NAMELY, DOMINOES; A DICE AND COUNTER GAME; GAME BOARDS WITH HOLES AND PEGS TO FIT IN THE HOLES; SETS OF CASES WITH SHIFTING BLOCKS; BACKGAMMON SETS, ETC. E. S. LOWE COMPANY, INC., New York, N. Y. Filed February 1, 1945. Serial No. 479,290. PUBLISHED JUNE 26, 1945. Class 22.
- 416,273. GAME APPARATUS—NAMELY, DOMINOES; A DICE AND COUNTER GAME; GAME BOARDS WITH HOLES AND PEGS TO FIT IN THE HOLES; SETS OF CASES WITH SHIFTING BLOCKS, ETC. E. S. LOWE COMPANY, INC., New York, N. Y. Filed February 1, 1945. Serial No. 479,291. PUBLISHED JUNE 26, 1945. Class 22.
- 416,274. PAPER CUPS. UNIVERSAL PAPER PRODUCTS COMPANY, Chicago, Ill. Filed February 2, 1945. Serial No. 479,364. PUBLISHED JUNE 26, 1945. Class 2.
- 416,275. PREPARATION CONTAINING MAGNESIUM TRISILICATE AND ALUMINUM HYDROXIDE FOR USE AS AN ANTACID. G. W. CARNRICK CO., Newark, N. J. Filed February 6, 1945. Serial No. 479,462. PUBLISHED JUNE 26, 1945. Class 6.
- 416,276. BOYS' SUITS, PANTS, AND COATS. LEONARD CLOTHING CO., INC., New York, N. Y. Filed February 8, 1945. Serial No. 479,581. PUBLISHED JUNE 26, 1945. Class 39.
- 416,277. VEGETABLE IVORY BUTTONS. VEGETABLE IVORY BUTTON INSTITUTE, INC., New York, N. Y. Filed February 8, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 479,606. PUBLISHED JUNE 26, 1945. Class 40.
- 416,278. WOOLEN AND WORSTED FABRICS IN THE PIECE. JOHN WALTHER FABRICS, INC., New York, N. Y. Filed February 9, 1945. Serial No. 479,653. PUBLISHED JUNE 26, 1945. Class 42.
- 416,279. TOY CONSISTING OF A STRING HAVING A BALL AT EACH END AND PROVIDED WITH A HANDLE WHEREBY SAID BALLS MAY BE SWUNG IN OPPOSITE ARCS. GAMES OF FAME, West Springfield, Mass. Filed February 12, 1945. Serial No. 479,708. PUBLISHED JUNE 26, 1945. Class 22.
- 416,280. STEEL AND STEEL ALLOYS AND CASTINGS MADE THEREFROM. STERLING STEEL CASTING CO., Monsanto, Ill. Filed February 12, 1945. Serial No. 479,735. PUBLISHED JUNE 19, 1945. Class 14.
- 416,281. LACQUERS, SYNTHETIC ENAMELS, PAINT THINNERS, READY-MIXED PAINTS, VARNISHES, AND PAINT ENAMELS. TEXON INDUSTRIAL CORP., Long Island City, N. Y. Filed February 13, 1945. Serial No. 479,758. PUBLISHED JUNE 19, 1945. Class 16.
- 416,282. HERB TEA TO BE USED AS A LAXATIVE AND A TONIC. JOHN E. RESPONDEK, doing business as Respondek Cut-Rate Pharmacy, Detroit, Mich. Filed February 14, 1945. Serial No. 479,811. PUBLISHED JUNE 26, 1945. Class 6.
- 416,283. CARDBOARD, PAPER, AND PASTEBOARD CARTONS. CONTINENTAL CAN COMPANY, INC., New York, N. Y. Filed February 15, 1945. Serial No. 479,839. PUBLISHED JUNE 26, 1945. Class 2.
- 416,284. ABRASIVE PRODUCTS—NAMELY, ABRASIVE STONES, ABRASIVE STICKS, ABRASIVE BRICKS, ABRASIVE SEGMENTS; ABRASIVE GRINDING, LAPPING, SHARPENING, AND POLISHING WHEELS. NORTON COMPANY, Worcester, Mass. Filed February 15, 1945. Serial No. 479,855. PUBLISHED JUNE 19, 1945. Class 4.
- 416,285. RECORD CARBON PAPER, SPIRIT CARBON PAPER, HECTOGRAPH CARBON PAPER, INKED DUPLICATING RIBBONS FOR OFFICE MACHINES, DUPLICATING FLUID AND MASTER UNITS CONSISTING OF MASTER PAPER AND SPIRIT CARBON PAPER. OLD TOWN RIBBON & CARBON CO., INC., Brooklyn, N. Y. Filed February 15, 1945. Serial No. 479,856. PUBLISHED JUNE 19, 1945. Class 11.
- 416,286. RAYON PIECE GOODS. CANTOR-GREENSPAN CO., INC., New York, N. Y. Filed February 16, 1945. Serial No. 479,865. PUBLISHED JUNE 26, 1945. Class 42.
- 416,287. ELECTRICAL TERMINALS, TERMINAL POSTS, TERMINAL PLATES, AND TERMINAL PLATE ASSEMBLIES. THE HERMASEAL COMPANY, Elkhart, Ind. Filed February 16, 1945. Serial No. 479,875. PUBLISHED JUNE 26, 1945. Class 21.
- 416,288. MOVING PICTURES. JOSEPH E. LEVINE, doing business as Gaslight Follies, Boston, Mass. Filed February 16, 1945. Serial No. 479,886. PUBLISHED JUNE 26, 1945. Class 26.
- 416,289. WOMEN'S AND MISSES' DRESSES, SMOCKS, AND HOUSECOATS. THE CARLISLE GARMENT CO., Carlisle, Pa. Filed February 17, 1945. Serial No. 479,918. PUBLISHED JUNE 26, 1945. Class 39.

- 416,290. LAYING MASH FOR POULTRY. HONEGGER'S & Co., also doing business as Honegger Feed Mills, Forrest, Ill.
Filed February 19, 1945. Serial No. 479,976. PUBLISHED JUNE 26, 1945. Class 46.
- 416,291. AQUEOUS AND NONAQUEOUS WAX EMULSIONS WHICH MAKE ABSORBATIVE FIBROUS AND NONFIBROUS MATERIALS WATERPROOF AND WATER REPELLENT—NAMESLY, FABRICS AND PAPER. S. C. JOHNSON & SON, INC., Racine, Wis.
Filed February 19, 1945. Serial No. 479,981. PUBLISHED JUNE 26, 1945. Class 6.
- 416,292. ROACH POWDER. MONO CHEMICAL COMPANY, Chicago, Ill.
Filed February 19, 1945. Serial No. 479,983. PUBLISHED JUNE 26, 1945. Class 6.
- 416,293. ION EXCHANGING MATERIALS SUITABLE FOR USE AS WATER SOFTENING AGENT. ELGIN SOFTENER CORPORATION, Elgin, Ill.
Filed February 21, 1945. Serial No. 480,053. PUBLISHED JUNE 26, 1945. Class 6.
- 416,294. ION EXCHANGING MATERIALS SUITABLE FOR USE AS WATER SOFTENING AGENTS. ELGIN SOFTENER CORPORATION, Elgin, Ill.
Filed February 21, 1945. Serial No. 480,055. PUBLISHED JUNE 26, 1945. Class 6.
- 416,295. WOMEN'S AND MISSES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. SAKS & COMPANY, New York, N. Y.
Filed February 23, 1945. Serial No. 480,146. PUBLISHED JUNE 19, 1945. Class 39.
- 416,296. COLOGNE. IVO REDLICH, doing business as Athley Bradford, Los Angeles, Calif.
Filed February 24, 1945. Serial No. 480,189. PUBLISHED JUNE 26, 1945. Class 6.
- 416,297. COUPLERS FOR COUPLING A GREASE-DELIVERY HOSE OF A GREASE-GUN TO A GREASE-RECEIVING "FITTING" OR "NIPPLE" ON THE MACHINE OR BEARING TO BE LUBRICATED, AND FOR SUCH GREASE-RECEIVING "FITTINGS". AUSTIN L. STALEY, Trustee in Reorganization for the Universal Lubricating Systems, Inc., Oakmont, Pa.
Filed February 24, 1945. Serial No. 480,216. PUBLISHED JUNE 26, 1945. Class 23.
- 416,298. GLASSWARE—NAMESLY, GLASSES, GOBLET, GLASS VASES, GLASS FRUIT AND FLOWER BOWLS. LOUIS AISENSTEIN & BROS., New York, N. Y.
Filed February 27, 1945. Serial No. 480,272. PUBLISHED JUNE 26, 1945. Class 33.
- 416,299. HOSIERY. THE J. L. HUDSON COMPANY, Detroit, Mich.
Filed February 28, 1945. Serial No. 480,321. PUBLISHED JUNE 26, 1945. Class 39.
- 416,300. STABLE AQUEOUS SOLUTION CONTAINING ARSENIC AND BISMUTH AS BISMUTH SODIUM P-AMINOPHENYLARSONATE FOR INTRAMUSCULAR INJECTION, FOR USE IN THE TREATMENT OF SYPHILIS. LAKESIDE LABORATORIES, INC., Milwaukee, Wis.
Filed February 28, 1945. Serial No. 480,329. PUBLISHED JUNE 26, 1945. Class 6.
- 416,301. CARPETS AND RUGS WHOSE PILE IS WHOLLY OF VIRGIN WOOL. GEORGE S. LEINER & Co., doing business as Puritan Rug Co., New York, N. Y.
Filed February 28, 1945. Serial No. 480,339. PUBLISHED JUNE 26, 1945. Class 42.

- 416,302. LIPSTICK, ROUGE, FACE POWDER, AND FOUNDATION CREAM. KATHLEEN MARY QUINLAN, Inc., New York, N. Y.
Filed March 1, 1945. Serial No. 480,382. PUBLISHED JUNE 5, 1945. Class 6.
- 416,303. COVERINGS IN THE NATURE OF A COMBINATION OF TREATED FABRIC AND PAPER ADAPTED TO BE USED UPON WALLS AND OTHER SURFACES. UNITED WALLPAPER, INC., Chicago, Ill.
Filed March 1, 1945. Serial No. 480,392. PUBLISHED JUNE 26, 1945. Class 20.
- 416,304. END-PAPERS, SUITABLE FOR BOTH HOT AND COLD PERMANENT WAVING. THE WELLA CORPORATION, New York, N. Y.
Filed March 1, 1945. Serial No. 480,395. PUBLISHED JUNE 26, 1945. Class 40.
- 416,305. LUBRICANT CONCENTRATE WHICH IS ADDED TO MINERAL OILS TO IMPART EXTREME PRESSURE FILM STRENGTH THERETO THEREBY INCREASING THE LOAD CARRYING CAPACITY OF SAID MINERAL OILS TO PREVENT SCORING OF GEAR TEETH, BEARINGS, OR OTHER MATING METAL SURFACES. THE ELCO LUBRICANT CORPORATION, Cleveland, Ohio.
Filed March 2, 1945. Serial No. 480,408. PUBLISHED JUNE 26, 1945. Class 15.
- 416,306. MOTH-PROOF GARMENT BAGS. THE CROMWELL PAPER COMPANY, Chicago, Ill.
Filed March 3, 1945. Serial No. 480,439. PUBLISHED JUNE 26, 1945. Class 2.
- 416,307. PERFUME, LIPSTICKS, ROUGE, FACE POWDER, FACIAL MAKE-UP, COLD CREAM, HAND LOTION, COLOGNE, TOILET WATER, BRILLIANTINE, SHAMPOO, AND NAIL POLISH. JOHN D. GAUMER, Chicago, Ill., assignor to Consolidated Cosmetics, Chicago, Ill., a firm
Filed March 3, 1945. Serial No. 480,447. PUBLISHED JUNE 19, 1945. Class 6.
- 416,308. PERFUME, LIPSTICKS, ROUGE, FACE POWDER, FACIAL MAKE-UP, COLD CREAM, HAND LOTION, COLOGNE, TOILET WATER, BRILLIANTINE, SHAMPOO, AND NAIL POLISH. JOHN D. GAUMER, Chicago, Ill., assignor to Consolidated Cosmetics, Chicago, Ill., a firm
Filed March 3, 1945. Serial No. 480,448. PUBLISHED JUNE 19, 1945. Class 6.
- 416,309. LADIES' AND MISSES' DRESSES, SUITS, COATS, AND BLOUSES. ADLER & ADLER INC., New York, N. Y.
Filed March 5, 1945. Serial No. 480,490. PUBLISHED JUNE 26, 1945. Class 39.
- 416,310. CLEANSING CREAMS, NIGHT CREAMS, FOUNDATION CREAMS, FOUNDATION LOTIONS, LIPSTICKS, ROUGE, COLOGNE, SKIN FRESHENERS, FACE POWDER AND DUSTING POWDER. ARMOUR AND COMPANY, doing business as Luxor, Ltd., Chicago, Ill.
Filed March 5, 1945. Serial No. 480,494. PUBLISHED JUNE 26, 1945. Class 6.
- 416,311. MEN'S AND WOMEN'S WEAR AND SPORTS-WEAR—NAMESLY, SHIRTS, JACKETS, SUITS, SLACKS, COATS, AND TROUSERS. ASSOCIATED MILITARY STORES, INC., Chicago, Ill.
Filed March 5, 1945. Serial No. 480,496. PUBLISHED JUNE 26, 1945. Class 39.
- 416,312. SHOULDER PADS. SOLOMON BROS. CO., New York, N. Y.
Filed March 7, 1945. Serial No. 480,625. PUBLISHED JUNE 26, 1945. Class 40.

- 416,313. MEN'S, WOMEN'S, BOYS' AND GIRLS' OVERALLS, JUMPERS, WORK JACKETS, WORK SHIRTS, WORK PANTS, MATCHED SHIRTS, MATCHED PANTS, DUNGAREES, BLANKET LINED COATS, COSSACK STYLE COATS, AND ONE-PIECE SUITS. BLUE BELL, INC., Greensboro, N. C.
Filed March 8, 1945. Serial No. 480,644. PUBLISHED JUNE 26, 1945. Class 39.
- 416,314. LADIES' AND MISSES' BLOUSES, DRESSES, SKIRTS, PINAFORES, JACKETS, AND COATS. ROSS & HURDUS, New York, N. Y.
Filed March 8, 1945. Serial No. 480,678. PUBLISHED JUNE 26, 1945. Class 39.
- 416,315. WOMEN'S AND MISSES' COATS AND SUITS. LEVY-BLUM & GOLDSCHMIDT CORP., New York, N. Y.
Filed March 9, 1945. Serial No. 480,711. PUBLISHED JUNE 26, 1945. Class 39.
- 416,316. CHEMICAL DEVULCANIZING AGENT USED TO FACILITATE THE RECLAIMING OF VULCANIZED NATURAL AND/OR SYNTHETIC RUBBER. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed March 10, 1945. Serial No. 480,753. PUBLISHED JUNE 19, 1945. Class 6.
- 416,317. MEN'S AND WOMEN'S SUITS, COATS, AND JACKETS, AND WOMEN'S SKIRTS. LONDON, MIDLAND & SCOTTISH IMPORTS, LTD., New York, N. Y.
Filed March 10, 1945. Serial No. 480,777. PUBLISHED JUNE 26, 1945. Class 39.
- 416,318. KNITTED SWEATERS. OLYMPIC KNITWEAR INC., New York, N. Y.
Filed March 10, 1945. Serial No. 480,785. PUBLISHED JUNE 26, 1945. Class 39.
- 416,319. MEN'S AND WOMEN'S SPORT JACKETS AND SHIRTS. SOLOMON BROS. CO., New York, N. Y.
Filed March 10, 1945. Serial No. 480,800. PUBLISHED JUNE 19, 1945. Class 39.
- 416,320. LADIES' FUR COATS. AARON-KAGAN, New York, N. Y.
Filed March 12, 1945. Serial No. 480,827. PUBLISHED JUNE 26, 1945. Class 39.
- 416,321. PERFUME, COLOGNE, TOILET WATER, FACE POWDER, ROUGE, AND NAIL POLISH. JOHN L. PRIESS, Chicago, Ill.
Filed March 12, 1945. Serial No. 480,837. PUBLISHED JUNE 26, 1945. Class 6.
- 416,322. COSMETIC EPILATOR; SKIN BALM; ANTI-SEPTIC SKIN LOTION; AND COLORING MATTER TO BE APPLIED TO THE LEGS AS A HOSE SUBSTITUTE. HAROLD STILLMAN, doing business as Gayla Cosmetics, Chicago, Ill.
Filed March 12, 1945. Serial No. 480,845. PUBLISHED JUNE 26, 1945. Class 6.
- 416,323. PREPARATION FOR PYORRHEA ALVEOLARIS, CHRONIC ULCERATION, SUPPURATING, OR PUS DISCHARGING GUMS. SAMUEL SOLOFF, doing business as Pyrophobe Laboratories, Brooklyn, N. Y.
Filed March 14, 1945. Serial No. 480,931. PUBLISHED JUNE 26, 1945. Class 6.
- 416,324. SACHET BAGS. MURRAY H. YELLEN, New York, N. Y.
Filed March 14, 1945. Serial No. 480,940. PUBLISHED JUNE 26, 1945. Class 40.
- 416,325. FROZEN FOOD PRODUCTS—NAMESLY, FRESH DECIDUOUS FRUITS, FRESH FROZEN VEGETABLES, AND FRESH FROZEN APPLESAUCE. WESTERN FROZEN FOODS CO., Watsonville, Calif.
Filed March 15, 1945. Serial No. 480,969. PUBLISHED JUNE 26, 1945. Class 46.
- 416,326. LIPSTICK AND MAKE-UP PREPARATIONS. CAMPANA CORPORATION, Batavia, Ill.
Filed March 15, 1945. Serial No. 480,970. PUBLISHED JUNE 26, 1945. Class 6.
- 416,327. CHEMICAL PREPARATION USED AS A WATER SOFTENER. FRANKLIN E. EVERSON, doing business as F. E. Everson, New York, N. Y.
Filed March 16, 1945. Serial No. 480,982. PUBLISHED JUNE 19, 1945. Class 6.
- 416,328. BRONCHODILATOR. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed March 16, 1945. Serial No. 481,004. PUBLISHED JUNE 26, 1945. Class 6.
- 416,329. PERFUME AND COLOGNE. GEORGE BEGLEY, JR., doing business as Parfum Dalmora, Chicago, Ill.
Filed March 19, 1945. Serial No. 481,043. PUBLISHED JUNE 26, 1945. Class 6.
- 416,330. PERFUME AND COLOGNE. GEORGE BEGLEY, JR., doing business as Parfum Dalmora, Chicago, Ill.
Filed March 19, 1945. Serial No. 481,045. PUBLISHED JUNE 26, 1945. Class 6.
- 416,331. PERFUME AND COLOGNE. GEORGE BEGLEY, JR., doing business as Parfum Dalmora, Chicago, Ill.
Filed March 19, 1945. Serial No. 481,049. PUBLISHED JUNE 26, 1945. Class 6.
- 416,332. PERFUME AND COLOGNE. GEORGE BEGLEY, JR., doing business as Parfum Dalmora, Chicago, Ill.
Filed March 19, 1945. Serial No. 481,050. PUBLISHED JUNE 26, 1945. Class 6.
- 416,333. READY-MIXED PAINTS, VARNISH, AND PAINT ENAMELS. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill.
Filed March 19, 1945. Serial No. 481,066. PUBLISHED JUNE 19, 1945. Class 16.
- 416,334. PREPARATION FOR THE TREATMENT OF SKIN IRRITATION CAUSED BY POISON IVY. NOXEMA CHEMICAL CO., Baltimore, Md.
Filed March 19, 1945. Serial No. 481,076. PUBLISHED JUNE 26, 1945. Class 6.
- 416,335. AFTER SHAVE LOTION, HAIR DRESSING, AND HAIR TONIC, COLOGNE, AND BRILLIANTINE. MACGREGOR MEN'S TOILETRIES, INC., New York, N. Y.
Filed March 20, 1945. Serial No. 481,116. PUBLISHED JUNE 26, 1945. Class 6.
- 416,336. CHILDREN'S SKIRTS, JUMPERS, DRESSES, AND BLOUSES. HARRY LEVIN, doing business as Karen Sue Togs, Cleveland, Ohio.
Filed March 21, 1945. Serial No. 481,150. PUBLISHED JUNE 19, 1945. Class 39.
- 416,337. CHEMICALS AND SOLUTIONS USED IN ELECTROPLATING. THE INDIUM CORPORATION OF AMERICA, Utica, N. Y.
Filed March 23, 1945. Serial No. 481,225. PUBLISHED JUNE 26, 1945. Class 6.
- 416,338. GASKETS COMPOSED OF RUBBER, SYNTHETIC RUBBER, AND PLASTICS, OR COMBINATIONS THEREOF. VICTAULIC COMPANY OF AMERICA, New York, N. Y.
Filed March 23, 1945. Serial No. 481,253. PUBLISHED JUNE 26, 1945. Class 35.
- 416,339. PERFUME AND TOILET WATER. JOHN P. WILDE, doing business as Parfums D'Artimon, New York, N. Y.
Filed March 23, 1945. Serial No. 481,254. PUBLISHED JUNE 19, 1945. Class 6.
- 416,340. PERFUMES AND TOILET WATER. JOHN P. WILDE, doing business as Parfums D'Artimon, New York, N. Y.
Filed March 23, 1945. Serial No. 481,255. PUBLISHED JUNE 19, 1945. Class 6.
- 416,341. PERFUMES. BONWIT TELLER, INC., New York, N. Y.
Filed March 24, 1945. Serial No. 481,263. PUBLISHED JUNE 26, 1945. Class 6.

416,342. METAL CANS. CONTINENTAL CAN COMPANY, INC., New York, N. Y. Serial No. 481,317. PUBLISHED MARCH 26, 1945. Class 2.

416,343. BAGS AND SACKS MADE OF PAPER, FABRIC, LAMINATED FABRIC AND PAPER, AND/OR OTHER MATERIALS. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed March 28, 1945. Serial No. 481,399. PUBLISHED JUNE 26, 1945. Class 2.

416,344. FRICTION FLUID-SPARK, VAPOR POCKET LIGHTERS. THE KAYLITE CO., New York, N. Y. Filed March 28, 1945. Serial No. 481,414. PUBLISHED JUNE 26, 1945. Class 34.

416,345. FACE POWDER, LIPSTICK, AND ROUGE. CONSOLIDATED COSMETICS, Chicago, Ill. Filed April 2, 1945. Serial No. 481,614. PUBLISHED JUNE 26, 1945. Class 6.

416,346. PERFUME. LUCIEN LELONG, INC., Chicago, Ill. Filed April 2, 1945. Serial No. 481,633. PUBLISHED JUNE 26, 1945. Class 6.

416,347. PICTURE PROJECTION EQUIPMENT FOR PROJECTING ENLARGEMENTS OF ILLUMINATED FILM-CARRIED OR LIKE IMAGES UPON A SCREEN, AND ACCESSORIES ACCOMPANYING THE EQUIPMENT—NAMELY, A SERVICE KIT HAVING THEREIN LENS CLEANING PAPER AND LUBRICATING OIL. THE NATIONAL MINERAL COMPANY, Chicago, Ill. Filed April 2, 1945. Serial No. 481,645. PUBLISHED JUNE 26, 1945. Class 26.

416,348. RAISINS. BEN A. SARKISIAN, doing business as California Raisin Company, Fresno, Calif. Filed April 2, 1945. Serial No. 481,651. PUBLISHED JUNE 26, 1945. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

416,355. (CLASS 38. PRINTS AND PUBLICATIONS.) HENRY J. TAYLOR, doing business as The Package Advertising Company, New York, N. Y. Filed Apr. 5, 1941. Serial No. 442,339.

END-SEAL-IT

FOR PRINTED LABELS.
Claims use since Mar. 28, 1941.

416,356. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) LENNOX MANUFACTURING CO., St. Louis, Mo. Filed Aug. 9, 1943. Serial No. 462,623.

Lennox Casuals

FOR HAND BAGS.
Claims use since May 1, 1943.

416,349. WALL MOTTOMS, GREETING CARDS, CALENDARS, PICTURES, BOOKLETS, AND TRACTS COMPRISING PRINTED LEAFLETS CARRYING A RELIGIOUS MESSAGE. STROMBECK PRESS INC., Moline, Ill.

Filed April 6, 1945. Serial No. 481,808. PUBLISHED JUNE 19, 1945. Class 33.

416,350. CHEMOTHERAPEUTIC PREPARATIONS IN SPECIAL PACKAGED FORM FOR PREVENTION AND TREATMENT OF STREPTOCOCCUS, STAPHYLOCOCCUS AND OTHER PYOGENIC INFECTIONS. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed April 6, 1945. Serial No. 481,815. PUBLISHED JUNE 19, 1945. Class 6.

416,351. LUMBER, MILLWORK, AND LATH. WESTERN PINE ASSOCIATION, Portland, Ore. Filed April 4, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 481,825. PUBLISHED JUNE 26, 1945. Class 12.

416,352. PREPARATION FOR MAKING FOOD BEVERAGE TO BE USED AS A COFFEE SUBSTITUTE. LEONARD H. BALLIS, Portland, Ore., doing business as California Figo Company, Los Angeles, Calif. Filed April 10, 1945. Serial No. 481,936. PUBLISHED JUNE 26, 1945. Class 46.

416,353. UNDERARM DEODORANT. WILBUR SHAPIER, doing business as The Waytol Co., New York, N. Y. Filed April 10, 1945. Serial No. 481,962. PUBLISHED JUNE 19, 1945. Class 6.

416,354. INGREDIENT USED IN THE MANUFACTURE OF INSECTICIDES. MCCONNOR AND COMPANY, Winona, Minn. Filed April 16, 1945. Serial No. 482,210. PUBLISHED JUNE 26, 1945. Class 6.

416,357. (CLASS 2. RECEPTACLES.) THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Aug. 18, 1943. Serial No. 462,816.

LINE-A-CELL

FOR SELF-SEALING CELLS COMPRISING FUEL AND OIL TANKS OF AIRCRAFT CAPABLE OF RESISTING THE DAMAGE OR LEAKAGE CAUSED BY BULLETS, SHELL FRAGMENTS, AND COLLISION.
Claims use since Aug. 4, 1943.

416,358. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE BOYER-CAMPBELL CO., Detroit, Mich. Filed Aug. 30, 1943. Serial No. 463,090.



FOR ELECTRICALLY ILLUMINATED MAGNIFYING LAMP.
Claims use since Apr. 22, 1943.

416,359. (CLASS 38. PRINTS AND PUBLICATIONS.) MODERN PLASTICS, INC., New York, N. Y. Filed Mar. 20, 1944. Serial No. 468,464.

PLASTICS ENGINEERING

FOR A SECTION IN A PERIODICAL PUBLICATION DEALING WITH ENGINEERING PROBLEMS AND TECHNIQUES IN THE FIELD OF PLASTICS.
Claims use since Sept. 11, 1942.

416,360. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CALIFORNIA HAND PRINTS, INC., Hermosa Beach, Calif. Filed Mar. 29, 1944. Serial No. 468,778.



FOR TABLE CLOTHS, LUNCHEON SETS, AND TOWELS; DRAPERY AND UPHOLSTERY FABRICS; AND PIECE GOODS OF COTTON AND OF COTTON AND RAYON MIXTURES, ALL OF WHICH ARE HAND PRINTED.
Claims use since Feb. 15, 1944.

416,361. (CLASS 38. PRINTS AND PUBLICATIONS.) BRYAN DAVIS PUBLISHING COMPANY, INC., New York, N. Y. Filed Apr. 19, 1944. Serial No. 469,457.

TELEVISION MERCHANDISING

FOR A MONTHLY MAGAZINE DIRECTED TO MERCHANDISING AND SERVICING HINTS AND INFORMATION FOR DEALERS.
Claims use since Jan. 19, 1944.

416,362. (CLASS 38. PRINTS AND PUBLICATIONS.) ARKANSAS COMMITTEE BREWING INDUSTRY FOUNDATION, Little Rock, Ark. Filed May 6, 1944. Serial No. 469,980.

NEWS of Arkansas

FOR A PUBLICATION CONTAINING GENERAL NEWS ITEMS, AND DEVOTED PRINCIPALLY TO NEWS OF THE STATE OF ARKANSAS, AND ISSUED FROM TIME TO TIME.
Claims use since Feb. 1, 1944.

416,363. (CLASS 38. PRINTS AND PUBLICATIONS.) BENDINER & SCHLESINGER, INC., New York, N. Y. Filed May 17, 1944. Serial No. 470,828.



The drawing is lined for shading.
FOR A PERIODICAL RELATING TO MEDICINE AND PHARMACY.
Claims use since Apr. 26, 1944.

416,364. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) RALPH RAPHAEL, doing business as Raphael Electric & Engineering Co., Pittsburgh, Pa. Filed May 22, 1944. Serial No. 470,513.



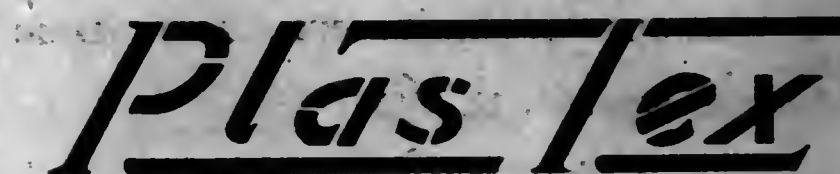
FOR WOODEN TOYS—NAMELY, RAILWAY LOCOMOTIVES AND CARS AND AUTOMOBILES MOUNTED ON WHEELS.
Claims use since May 2, 1945.

416,365. (CLASS 39. CLOTHING.) MORRIS WEINSTEIN, New York, N. Y. Filed June 14, 1944. Serial No. 471,239.



FOR CHILDREN'S AND JUNIORS', MISSES', AND INFANTS' COATS AND SUITS.
Claims use since May 11, 1944.

416,366. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BUFFALO WEAVING & BELTING COMPANY, Buffalo, N. Y. Filed June 17, 1944. Serial No. 471,332.



FOR WOVEN COTTON CONVEYOR AND TRANSMISSION BELTING.
Claims use since May 26, 1944.

416,367. (CLASS 38. PRINTS AND PUBLICATIONS.) THE NATIONAL MINERAL COMPANY, doing business as Helene Curtis Industries and Beauty Shop Digest, Chicago, Ill. Filed July 5, 1944. Serial No. 471,931.

Beauty Shop DIGEST

FOR A PERIODICAL PUBLICATION.
Claims use since Feb. 1, 1944.

416,368. (CLASS 38. PRINTS AND PUBLICATIONS.) PACKAGING CATALOG CORP., New York, N. Y. Filed July 7, 1944. Serial No. 471,983.

PLASTICS STOCK MOLDS

FOR A PUBLICATION PUBLISHED AT IRREGULAR INTERVALS COMPRISING A COMPILATION OF PLASTICS STOCK MOLDED PARTS, EXTRUSIONS, AND LAMINATES.

Claims use since 1940.

416,369. (CLASS 48. MALT BEVERAGES AND LIQUORS.) BURLINGTON BREWING COMPANY, Burlington, Wis. Filed July 14, 1944. Serial No. 472,231.



FOR BEER.

Claims use since June 26, 1944.

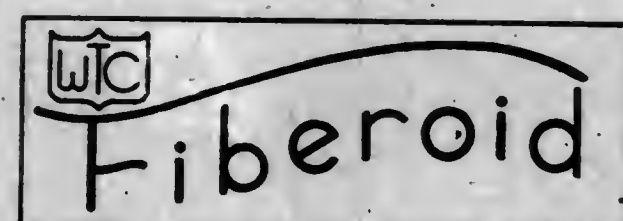
416,370. (CLASS 47. WINES.) SAMUEL STEINBACH, doing business as Madera Bonded Wine & Liquor Company, Baltimore, Md. Filed July 21, 1944. Serial No. 472,473.

MT. ZION

FOR VERMOUTHS, CHAMPAGNES, AND OTHER WINES.

Claims use since Mar. 16, 1935.

416,371. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) WALTON TRUNK CO., INC., New York, N. Y. Filed Oct. 4, 1944. Serial No. 474,937.



FOR TRUNKS AND SUITCASES.

Claims use since July 21, 1944.

416,372. (CLASS 39. CLOTHING.) JEAN DURAIN, Los Angeles, Calif. Filed Oct. 25, 1944. Serial No. 475,688.

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FOR WOMEN'S AND CHILDREN'S CLOTHING—NAMESLY, SHORTS, SUNSUITS, SLACKS, COVERALLS, BATHING SUITS, BEACHROBES, JUMPERS, PINA-FORES, DRESSES, OUTER SKIRTS, BLOUSES, BOLEROS, JACKETS, HATS, BONNETS, AND BRAS-SIÈRES.

Claims use since April 1944.

416,373. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAX LUTZ, Nampa, Idaho. Filed Nov. 22, 1944. Serial No. 476,775.



MAX LUTZ

FOR FRESH VEGETABLES AND FRESH DECIDUOUS FRUITS.

Claims use since 1943.

416,374. (CLASS 48. MALT BEVERAGES AND LIQUORS.) MOUNT CARBON MANUFACTURING AND SUPPLY COMPANY, doing business as Mount Carbon Brewery, Pottsville, Pa. Filed Jan. 22, 1945. Serial No. 478,889.



FOR BEER.

Claims use since Apr. 15, 1936.

416,375. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CARMEL OIL CO. INC., New York, N. Y. Filed Feb. 21, 1945. Serial No. 480,046.



FOR GRAPE JUICE, FRUIT SYRUPS FOR DILUTING WITH CARBONATED BEVERAGES, AND CHOCOLATE SYRUP FOR FLAVORING BEVERAGES—NAMESLY, SOFT DRINKS.

Claims use since Jan. 1, 1926.

416,376. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THE J. L. HUDSON COMPANY, Detroit, Mich. Filed Mar. 3, 1945. Serial No. 480,456.

STURDIBILT

FOR WARDROBE TRUNKS, WARDROBE CASES, SUITCASES, GLADSTONE CASES, HAT AND SHOE CASES, LEATHER VANITY AND MAKE-UP CASES SOLD AS SUCH WITHOUT CONTENTS, OVERNIGHT BAGS, DUFFLE BAGS, HANDBAGS, AND BRIEF CASES.

Claims use since 1937.

416,377. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GAMERS CONFECTIONERY, INC., Butte, Mont. Filed Mar. 10, 1945. Serial No. 480,756.



FOR CANDY, ICE CREAM, AND BREAD, ROLLS, FRENCH PASTRY, CAKES AND COOKIES.

Claims use since 1905.

416,378. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) GEORGE WENGER, New York, N. Y. Filed Mar. 15, 1945. Serial No. 480,968.

FIRST NIGHTER

FOR OVERNIGHT TRAVELING CASES.

Claims use since May 16, 1944.

416,379. (CLASS 39. CLOTHING.) SURET FROCKS, New York, N. Y. Filed Apr. 11, 1945. Serial No. 482,023.



FOR WOMEN'S, MISSES', AND GIRLS' DRESSES.

Claims use since Apr. 1, 1940.

416,380. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DAYBROOK HYDRAULIC CORPORATION, Bowling Green, Ohio. Filed Apr. 18, 1945. Serial No. 482,274.

SPEEDLIFT

FOR HYDRAULIC LIFT MECHANISMS FOR DUMP TRUCKS AND THE LIKE.

Claims use since Dec. 18, 1939.

416,381. (CLASS 45. BEVERAGES, NONALCOHOLIC.) RED FOX GINGER ALE CO., Providence, R. I. Filed Apr. 20, 1945. Serial No. 482,395.

"It's Dextronized!"

FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS, AND EXTRACTS FOR MAKING SAME.

Claims use since June 22, 1944.

416,382. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) THE LANSDOWNE DISTILLERY, Havre de Grace and Baltimore, Md. Filed May 7, 1945. Serial No. 483,071.

Lansdowne Reserve

FOR WHISKEY, BRANDY, GIN, AND LIQUEUR.

Claims use since Nov. 2, 1942.

416,383. (CLASS 38. PRINTS AND PUBLICATIONS.) SURPLUS SALES REPORTER, San Francisco, Calif. Filed May 7, 1945. Serial No. 483,096.

SURPLUS SALES REPORTER

FOR A DAILY PUBLICATION FOR REPORTING PROPOSED SALES OF GOVERNMENT WAR SURPLUSES AND OTHER RELATED SALES MATTERS.

Claims use since July 1, 1944.

TRADE-MARK REGISTRATIONS RENEWED

25,989. BULL'S HEAD. MUSTARD, MUSTARD OIL, MUSTARD REFUSE, MUSTARD CAKE, AND MUSTARD PLASTERS. Registered Feb. 5, 1895. J. & J. COLMAN, London, England. Re-renewed Feb. 5, 1945, to J. & J. Colman, Ltd., Norwich, England, a limited liability company of the United Kingdom of Great Britain and Northern Ireland, assignee. Classes 6, 10, 15, and 46.

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26,283. "BULL'S HEAD" AND DRAWING. WASHING BLUE. Registered Mar. 26, 1895. J. & J. COLMAN, London, England. Re-renewed Mar. 26, 1945, to J. & J. Colman, Ltd., Norwich, England, a limited liability company of the United Kingdom of Great Britain and Northern Ireland, assignee. Class 6.

- 26,284. "BULL'S HEAD" AND DRAWING. STARCH. Registered Mar. 26, 1895. J. & J. COLMAN, London, England. Re-renewed Mar. 26, 1945, to J. & J. Colman, Ltd., Norwich, England, a limited liability company of the United Kingdom of Great Britain and Northern Ireland, assignee. Class 6.
- 26,609. "PRINCESS" ETC. AND DRAWING. WHEAT FLOUR. Registered May 28, 1895. BLANTON MILLING COMPANY, Indianapolis, Ind., a corporation of Indiana. Re-renewed May 28, 1945. Class 46.
- 26,620. A B S. COPPER-INGOTS. Registered May 28, 1895. LEWISOHN BROTHERS, New York, N. Y. Re-renewed May 28, 1945, to International Smelting and Refining Company, Perth Amboy, N. J., a corporation of Montana, successor. Class 14.
- 27,112. "HOLOPHANE" AND DESIGN. GLOBES, SHADES, AND LIGHT-INCLOSURES, ALL GLASS-WARE. Registered Oct. 1, 1895. GEORGE A. MACBETH CO., Pittsburgh, Pa. Re-renewed Oct. 1, 1945, to Holophane Company, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 34.
- 27,250. "PETER HIMROD" ETC. AND PORTRAIT. MEDICINAL PREPARATION FOR THE RELIEF OF ASTHMA, CATARRH, AND SIMILAR AFFECTIONS. Registered Nov. 19, 1895. HIMROD MANUFACTURING COMPANY, New York, N. Y. Re-renewed Nov. 19, 1945, to Himrod Manufacturing Company, Hoboken, N. J., a corporation of Delaware, assignee. Class 6.
- 27,260. "MENTHOLATUM" ETC. AND DRAWING. SALVES AND LINIMENTS. Registered Nov. 19, 1895. THE YUCCA CO., Wichita, Kans. Re-renewed Nov. 19, 1945, to The Mentholum Company, Buffalo, N. Y., a corporation of Delaware, assignee. Class 6.
- 27,264. "CHEOMOL" AND DRAWING. LEATHER-STUFFING KNOWN AS "FAT-LIQUOR". Registered Nov. 19, 1895. THE MARTIN DENNIS CHROME TANNAGE COMPANY. Re-renewed Nov. 19, 1945, to The Martin Dennis Company, Newark, N. J., a corporation of New Jersey, assignee. Class 4.
- 44,398. "DUNHAM'S ETC. AND DRAWING. PREPARED COCOANUT. Registered July 4, 1905. DUNHAM MANUFACTURING CO., New York, N. Y. Re-renewed July 4, 1945, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio, assignee. Class 46.
- 44,399. "DUNHAM'S ORIGINAL" ETC. AND DRAWING. PREPARED COCOANUT. Registered July 4, 1905. DUNHAM MANUFACTURING CO., New York, N. Y. Re-renewed July 4, 1945, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio, assignee. Class 46.
- 44,793. O-ZO-NOL. OINTMENT FOR THE CURE OF SKIN DISEASES AND ANY INFLAMED CONDITIONS OF THE SKIN AND MUCOUS MEMBRANE. Registered July 25, 1905. OZONOL CHEMICAL CO. Re-renewed July 25, 1945, to The Ozonol Co., Odessa, Mo., a corporation of Missouri, successor. Class 6.
- 44,811. "BENSON'S PLASTER" ETC. AND DRAWING. PLASTERS. Registered July 25, 1905. SEABURY & JOHNSON, East Orange, N. J. and New York, N. Y. Re-renewed July 25, 1945, to Seabury, Inc., New Brunswick, N. J., a corporation of New Jersey, by change of name. Class 6.
- 44,812. REPRESENTATION OF THE GREEK GOD MERCURY, ETC. MEDICINAL, SURGICAL, AND ANTISEPTIC PLASTERS AND DRESSINGS. Registered July 25, 1905. SEABURY & JOHNSON, East Orange, N. J. and New York, N. Y. Re-renewed July 25, 1945, to Seabury, Inc., New Brunswick, N. J., a corporation of New Jersey, by change of name. Class 44.
- 45,497. PANSY. WHEAT-FLOUR. Registered Aug. 22, 1905. PHOENIX FLOUR MILL, Evansville, Ind. Re-renewed Aug. 22, 1945, to Igleheart Brothers Incorporated, New York, N. Y., a corporation of Delaware, assignee. Class 46.

- 45,498. GOLD HEART. WHEAT-FLOUR. Registered Aug. 22, 1905. MISSOURI VALLEY MILLING COMPANY, Mandan, N. Dak. Re-renewed Aug. 22, 1945, to Russell-Miller Milling Co., Minneapolis, Minn., a corporation of Delaware, assignee by mesne assignments. Class 46.
- 45,564. SILVER DUST. WHEAT-FLOUR. Registered Aug. 22, 1905. MATFLOWER MILLS, Fort Wayne, Ind., a corporation of Indiana. Re-renewed Aug. 22, 1945. Class 46.
- 45,649. STEEL MIXTURE. CLAY FIRE-BRICKS. Registered Aug. 22, 1905. MCLEOD & HENRY CO. Re-renewed Aug. 22, 1945, to McLeod & Henry Co., Inc., Troy, N. Y., a corporation of New York, assignee. Class 12.
- 45,728. REPRESENTATION OF A BRANCH AND FRUIT OF THE CACAO. COCOA, CHOCOLATE, BROMA, AND COCOA PREPARATIONS. Registered Aug. 29, 1905. WALTER BAKER & COMPANY LIMITED, Boston, Mass. Re-renewed Aug. 29, 1945, to Walter Baker & Company, Inc., Dorchester, Mass., a corporation of Massachusetts, assignee by mesne assignments. Class 46.
- 45,883. "GRANDMA'S SPANISH PEPPER" ETC. AND DRAWING. PEPPER. Registered Aug. 29, 1905. JAMES H. BURDEN, Oak Park, Calif. Re-renewed Aug. 29, 1945, to Margaret C. Burden, Berkeley, Calif., successor. Class 46.
- 45,884. REPRESENTATION OF A BEE. CHEMICALLY-PREPARED FERTILIZERS. Registered Aug. 29, 1905. THE BAUGH CHEMICAL COMPANY OF BALTIMORE COUNTY, Md., Baltimore and Baltimore County, Md. Re-renewed Aug. 29, 1945, to The Baugh Chemical Company, Baltimore, Md., a corporation of Maryland, by change of name. Class 10.
- 46,065. VULCABESTON. MOLDED OR COMPRESSED ARTICLES CONTAINING ASBESTOS. Registered Sept. 5, 1905. THE JOHNS-PRATT CO. Re-renewed Sept. 5, 1945, to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a corporation of Connecticut, assignee. Classes 12 and 35.
- 46,263. "CHAMOIS" AND DRAWING. SOFT AND FELT HATS AND CAPS. Registered Sept. 12, 1905. JOHN B. STETSON COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Sept. 12, 1945. Class 39.
- 46,309. THE SALT THAT'S ALL SALT. TABLE AND DAIRY SALT. Registered Sept. 12, 1905. DIAMOND CRYSTAL SALT CO., St. Clair, Mich. Re-renewed Sept. 12, 1945, to General Foods Corporation, New York, N. Y., a corporation of Delaware, assignee. Class 46.
- 46,383. DIAMOND CRYSTAL SALT. TABLE AND DAIRY SALT. Registered Sept. 19, 1905. DIAMOND CRYSTAL SALT CO., St. Clair, Mich. Re-renewed Sept. 19, 1945, to General Foods Corporation, New York, N. Y., a corporation of Delaware, assignee. Class 46.
- 46,917. "CARTER'S LITTLE LIVER PILLS" AND DRAWING. PILLS USED FOR THE CURE OF HEADACHE, DIZZINESS, BILIOUSNESS, TORPID LIVER, CONSTIPATION, AND SALLOW SKIN. Registered Oct. 17, 1905. CARTER MEDICINE COMPANY. Re-renewed Oct. 17, 1945, to Carter Products, Inc., New York, N. Y., a corporation of Maryland, assignee. Class 6.
- 47,010. "ROBIN HOOD" AND DRAWING. CANNED FRUITS AND CANNED VEGETABLES. Registered Oct. 17, 1905. R. C. WILLIAMS & CO. Re-renewed Oct. 17, 1945, to R. C. Williams & Company, Inc., New York, N. Y., a corporation of New York, assignee. Class 46.
- 47,233. "X. F." AND DESIGN. FILES AND RASPS. Registered Oct. 31, 1905. NICHOLSON FILE COMPANY, Providence, R. I., a corporation of Rhode Island. Re-renewed Oct. 31, 1945. Class 23.
- 47,385. "B" AND DESIGN. BOTTLE-CORKS AND PRESCRIPTION-CORKS. Registered Oct. 31, 1905. ARMSTRONG CORK COMPANY, Pittsburgh, Pa. Re-renewed Oct. 31, 1945, to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania. Class 50.

- 47,409. GLENWOOD. STOVES, RANGES, FURNACES, HEATERS, AND PARTS THEREOF. Registered Oct. 31, 1905. WEIR STOVE COMPANY. Re-renewed Oct. 31, 1945, to Glenwood Range Company, Taunton, Mass., a corporation of Massachusetts, assignee. Class 34.
- 47,531. POST SUGAR C. W. POST. SUGAR. Registered Nov. 7, 1905. POSTUM CEREAL CO., LIMITED, Battle Creek, Mich. Re-renewed Nov. 7, 1945, to General Foods Corporation, New York, N. Y., a corporation of Delaware, assignee. Class 46.
- 47,588. CHAS. H. FLETCHER. MEDICINAL PREPARATION FOR ASSIMILATING THE FOOD AND REGULATING THE STOMACH AND BOWELS OF INFANTS AND CHILDREN. Registered Nov. 14, 1905. THE CENTAUR COMPANY, New York, N. Y. Re-renewed Nov. 14, 1945, to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware, assignee. Class 6.
- 47,736. "LITTLE NUGGET" AND DRAWING. BROOMS AND WHISK-BRUSHES. Registered Nov. 14, 1905. THE SOUTHWESTERN BROOM MFG. CO. Re-renewed Nov. 14, 1945, to The Southwestern Broom Manufacturing Co. Inc., Evansville, Ind., a corporation of Indiana, by change of name. Class 29.
- 47,748. REPRESENTATION OF A DEVIL. MINERAL WATERS. Registered Nov. 21, 1905. FRENCH LICK SPRINGS HOTEL CO., French Lick, Ind. Re-renewed Nov. 21, 1945, to French Lick Springs Hotel Co., French Lick, Ind. and New York, N. Y., a corporation of Indiana. Class 45.
- 47,749. "PLUTO" AND DRAWING. MINERAL WATERS. Registered Nov. 21, 1905. FRENCH LICK SPRINGS HOTEL CO., French Lick, Ind. Re-renewed Nov. 21, 1945, to French Lick Springs Hotel Co., French Lick, Ind. and New York, N. Y., a corporation of Indiana. Class 45.
- 47,750. "PLUTO CONCENTRATED" ETC. AND DRAWING. MINERAL WATERS. Registered Nov. 21, 1905. FRENCH LICK SPRINGS HOTEL CO., French Lick, Ind. Re-renewed Nov. 21, 1945, to French Lick Springs Hotel Co., French Lick, Ind. and New York, N. Y., a corporation of Indiana. Class 45.
- 47,755. AVEE. VARNISHES. Registered Nov. 21, 1905. THE AMERICAN VARNISH COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Nov. 21, 1945. Class 16.
- 47,756. DELCO. HOOKS AND EYES AND PARTICULARLY THAT TYPE OF EYES WHICH IS KNOWN AS "INVISIBLE EYES". Registered Nov. 21, 1905. THE DE LONG HOOK & EYE COMPANY. Re-renewed Nov. 21, 1945, to The De Long Hook and Eye Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee. Class 40.
- 47,774. CIOSE. FOOD WHICH IS A PREPARATION OF THE PROTEIDS OF BEEF. Registered Nov. 21, 1905. FAIRCHILD BROTHERS AND FOSTER, New York, N. Y., a corporation of New York. Re-renewed Nov. 21, 1945. Class 6.
- 47,783. MENTHOLATUM. SALVE FOR EXTERNAL APPLICATION IN THE TREATMENT OF INFLAMMATIONS AND ERUPTIONS OF THE SKIN AND MUCOUS MEMBRANE AND IN THE TREATMENT OF CROUP, ASTHMA, SORE THROAT, PNEUMONIA, CATARRH, AND LIKE AFFLICTIONS INVOLVING OR RESULTING FROM CONGESTION. Registered Nov. 21, 1905. THE YUCCA CO., Wichita, Kans. Re-renewed Nov. 21, 1945, to The Mentholum Company, Buffalo, N. Y., a corporation of Delaware, assignee. Class 6.
- 47,790. ZENITH. CARBONATING-POWDER. Registered Nov. 21, 1905. CHURCH & DWIGHT COMPANY. Re-renewed Nov. 21, 1945, to Church & Dwight Co., Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 6.
- 47,801. PETER HIMROD. COMPOUND OR PREPARATION INTENDED FOR THE RELIEF OR CURE OF ASTHMA, CATARRH, AND SIMILAR AFFECTIONS. Registered Nov. 21, 1905. HIMROD MANUFACTURING COMPANY, New York, N. Y. Re-renewed Nov. 21, 1945, to Himrod Manufacturing Company, Hoboken, N. J., a corporation of Delaware, assignee. Class 6.
- 47,813. MURINE. EYE REMEDIES. Registered Nov. 21, 1905. THE MURINE EYE REMEDY COMPANY. Re-renewed Nov. 21, 1945, to The Murine Company Inc., Chicago, Ill., a corporation of Illinois, by change of name. Class 6.
- 47,817. SENG. REMEDIES FOR GASTRIC DERANGEMENTS AND DISEASES OF THE STOMACH AND BOWELS. Registered Nov. 21, 1905. SULTAN DRUG CO. Re-renewed Nov. 21, 1945, to Od Peacock Sultan Company, St. Louis, Mo., a corporation of Missouri, assignee. Class 6.
- 47,830. REPRESENTATION OF WOMAN IN ACT OF CONSTRUCTING A MATTRESS. MATTRESSES, PILLOWS, CUSHIONS, AND HAS SOCKS. Registered Nov. 21, 1905. OSTERMOOR & CO., New York, N. Y. Re-renewed Nov. 21, 1945, to Ostermoor & Company, Inc., Bridgeport, Conn., a corporation of New York, assignee. Class 32.
- 47,832. REPRESENTATION OF A WOMAN ATTACHING A BINDING TO THE COVER OF A MATTRESS. MATTRESSES, PILLOWS, CUSHIONS, AND HAS SOCKS. Registered Nov. 21, 1905. OSTERMOOR & CO., New York, N. Y. Re-renewed Nov. 21, 1945, to Ostermoor & Company, Inc., Bridgeport, Conn., a corporation of New York, assignee. Class 32.
- 47,841. "LITTLE LADY" AND DRAWING. BROOMS AND WHISK-BRUSHES. Registered Nov. 21, 1905. THE SOUTHWESTERN BROOM MFG. CO. Re-renewed Nov. 21, 1945, to The Southwestern Broom Manufacturing Co. Inc., Evansville, Ind., a corporation of Indiana, by change of name. Class 29.
- 47,843. WIGCASSEE. COTTON PIECE GOODS. Registered Nov. 21, 1905. TREMONT & SUFFOLK MILLS, Lowell, Mass. Re-renewed Nov. 21, 1945, to Nashua Manufacturing Company, Boston, Mass., a corporation of New Hampshire, assignee. Class 42.
- 47,877. SWEETHEART. TOILET SOAP. Registered Nov. 28, 1905. FRANK GAINS BURKE. Re-renewed Nov. 28, 1945, to Manhattan Soap Company, Inc., New York, N. Y., a corporation of New York, assignee. Class 4.
- 47,879. PLUTO. MINERAL WATERS. Registered Nov. 28, 1905. FRENCH LICK SPRINGS HOTEL CO., French Lick, Ind. Re-renewed Nov. 28, 1945, to French Lick Springs Hotel Co., French Lick, Ind., and New York, N. Y., a corporation of Indiana. Class 45.
- 47,946. COW BRAND. BICARBONATE OF SODA, SALERATUS, AND BAKING-POWDER. Registered Nov. 28, 1905. CHURCH & DWIGHT COMPANY. Re-renewed Nov. 28, 1945, to Church & Dwight Co. Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Classes 6 and 46.
- 47,947. "ARM & HAMMER" AND DRAWING. SALERATUS, BICARBONATE OF SODA, AND SAL-SODA. Registered Nov. 28, 1905. CHURCH & DWIGHT COMPANY. Re-renewed Nov. 28, 1945, to Church & Dwight Co. Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 6.
- 47,951. "EVANS 1786" AND DRAWING. ALE. Registered Nov. 28, 1905. C. H. EVANS & SONS. Re-renewed Nov. 28, 1945, to C. H. Evans & Sons, Hudson, N. Y., a corporation of New York, assignee. Class 48.
- 192,960. W B A COATEPEC. GREEN COFFEES. Registered Dec. 16, 1924. WESTFELDT BROTHERS, New Orleans, La., a firm. Renewed Dec. 16, 1944. Class 46.

195,239. **WYTIZ. PASTE PAINT AND READY-MIXED PAINT.** Registered Feb. 17, 1925. THE INTEGRITY PAINT CO., New Haven, Conn., a corporation of Connecticut. Renewed Feb. 17, 1945. Class 16.

196,299. **TINTED GLOSS. READY-MIXED PAINT.** Registered Mar. 17, 1925. JOHN LUCAS & CO., INC. Renewed Mar. 17, 1945, to John Lucas & Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania, successor. Class 16.

197,653. **RELEASEALL. RUST SOLVENT AND PENETRATING OIL.** Registered Apr. 21, 1925. LOUIS GODDARD NICHOLSON, doing business as The Releaseall Company. Renewed Apr. 21, 1945, to The Releaseall Company, Montreal, Quebec, Canada, a partnership, successor. Class 6.

198,522. **LIME ROCK SPRINGS. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES.** Registered May 19, 1925. JOHN C. GANTZ, doing business as Lime Rock Springs Company, Dubuque, Iowa. Renewed May 19, 1945. Class 45.

198,687. **SQUIRE. JELLIES, JAMS, FRUIT BUTTERS, FRUIT PRESERVES, PICKLES, AND TOMATO CATCHUP.** Registered May 26, 1925. SQUIRE DINGEE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 26, 1945. Class 46.

198,688. **PIPPIN. JELLIES, JAMS, FRUIT BUTTERS, AND FRUIT PRESERVES.** Registered May 26, 1925. SQUIRE DINGEE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 26, 1945. Class 46.

198,723. **LOREX. GASOLINE, KEROSENE, NAPHTHA, FUEL OIL, LUBRICATING OILS, AND GREASES, MOTOR FUEL, AND AUTOMOBILE LUBRICANTS.** Registered May 26, 1925. LOUISIANA OIL REFINING CORPORATION, Richmond, Va., and Shreveport, La. Renewed May 26, 1945, to Arkansas Fuel Oil Company, Shreveport, La., a corporation of West Virginia, assignee. Class 15.

198,725. **"LOREX" AND DESIGN. GASOLINE, KEROSENE, NAPHTHA, FUEL OIL, LUBRICATING OILS AND GREASES, MOTOR FUEL, AND AUTOMOBILE LUBRICANTS.** Registered May 26, 1925. LOUISIANA OIL REFINING CORPORATION, Richmond, Va., and Shreveport, La. Renewed May 26, 1945, to Arkansas Fuel Oil Company, Shreveport, La., a corporation of West Virginia, assignee. Class 15.

198,774. **"A JAY CELEBY" ETC. AND DRAWING. FRESH CELERY.** Registered May 26, 1925. ANDREW J. SONBELLO, New York, N. Y. Renewed May 26, 1945. Class 46.

198,790. **OX BLOOD RED COLOR APPLIED TO A DISTINCTIVE PART OF EACH TOOL AND BLACK APPLIED TO THE MAIN BODY OR FRAME OF THE TOOL. HOLLOW AUGERS, SPOKESHAVES, HAND DRILLS, AND BENCH DRILLS, BENCH HOOKS, BENCH DRILLS, POLISHING AND GRINDING HEADS, MITER BOXES AND RATCHET DRILLS, DRILL BRACES, ANGULAR BITSTOCKS, RING AUGERS, GLASS CUTTERS, MITER PLANES, AND NAIL SETS.** Registered May 26, 1925. MILLERS FALLS COMPANY, Millers Falls, Mass., and New York, N. Y. Renewed May 26, 1945, to Millers Falls Company, Greenfield, Mass., a corporation of Massachusetts. Class 23.

198,893. **REPRESENTATION OF A CLOVER-LIKE BLOOM. MEDICINAL REMEDY FOR PILES, BOILS, SORES, AND ANALOGOUS AILMENTS.** Registered May 26, 1925. WILLIE L. HEATH, Greensboro, N. C. Renewed May 26, 1945. Class 6.

198,909. **"WHY BUGS LEAVE HOME" ETC. AND DRAWING. INSECTICIDES.** Registered May 26, 1925. ANDREW WILSON, INCORPORATED. Renewed May 26, 1945, to Andrew Wilson, Inc., Springfield, N. J., a corporation of New Jersey. Class 6.

198,925. **REPRESENTATION OF A SPARK PLUG. CARBURETORS, FUEL PUMPS, LUBRICATORS AND OIL PUMPS AND PARTS THEREOF—NAMELY, NONRETURN VALVES, DROP INDICATORS, DIRECTION INDICATORS, ADJUSTABLE WRENCHES AND DRILLING TOOLS AND PARTS THEREOF.** Registered May 26, 1925. ROBERT BOSCH AKTIENGESELLSCHAFT, Stuttgart, Germany. Vested in the Allen Property Custodian, Washington, D. C., and renewed to him May 26, 1945. Class 23.

198,932. **HORA. SYRINGES FOR INJECTING FLUID INTO THE GROUND FOR EXTERMINATING INSECTS, MOLES, AND THE LIKE.** Registered May 26, 1925. DEUTSCHE GOLD- UND SILBER-SCHNEIDANSTALT VORMALS ROESSLER, Frankfurt-on-the-Main, Germany. Vested in the Allen Property Custodian, Washington, D. C., and renewed to him May 26, 1945. Class 23.

199,112. **"300 JUNIOR ACE" ETC. AND DESIGN. BASEBALL BATS.** Registered June 2, 1925. ZINN BECK BAT COMPANY. Renewed June 2, 1945, to Z. C. Grier, doing business as Grier Manufacturing Co., Greenville, S. C., successor. Class 22.

199,130. **STONY CREEK. GRANITE.** Registered June 2, 1925. THE STONY CREEK GRANITE COMPANY, Xenia, Ohio, and Stony Creek, Conn. Renewed June 2, 1945, to Stony Creek Granite Quarries, Inc., Milford, Mass., a corporation of Massachusetts, successor. Class 1.

199,176. **FULL VISION. AUTOMOBILE BODIES AND AUTOMOBILE BODY PARTS—NAMELY, TONNEAU STAMPINGS, COWL STAMPINGS, BODY-SIDE STAMPINGS, BODY UNITS, BODY-UNIT ASSEMBLIES, WHEEL FENDERS, BODY SPLASHERS, AUTOMOBILE BODY DOORS, AUTOMOBILE BODY ROOFS.** Registered June 2, 1925. EDWARD G. BUDD MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed June 2, 1945. Class 19.

199,202. **Re Bo. REMOVABLE BODIES FOR HAND TRUCKS.** Registered June 2, 1925. ADAMS EQUIPMENT COMPANY, INC., Watertown, N. Y. Renewed June 2, 1945, to James R. Katzman, doing business as Re-Bo Manufacturing Company, New York, N. Y., assignee by mesne assignments. Class 19.

199,210. **CAPEM. BOTTLE-CAPPING MACHINES.** Registered June 2, 1925. CUNDALL, POWELL & MOSHER, INC. Renewed June 2, 1945, to Capem Machinery Corp., Buffalo, N. Y., a corporation of New York, by change of name. Class 23.

199,411. **"ONARGA" AND DRAWING. CANNED VEGETABLES—NAMELY, CANNED CORN, CANNED BEANS, AND CANNED PORK AND BEANS.** Registered June 9, 1925. IROQUOIS CANNING CORPORATION. Renewed June 9, 1945, to Onarga Canning Company, Incorporated, Onarga, Ill., a corporation of Illinois, successor. Class 46.

199,423. **"F. H." AND DESIGN. WATCH AND CLOCK MOVEMENTS.** Registered June 9, 1925. FEDERATION SUISSE DES ASSOCIATIONS DE FABRICANTS D'HORLOGERIE, Bienne, Switzerland, a corporation of Switzerland. Renewed June 9, 1945. Class 27.

199,515. **SLIPUNDERS. TEXTILE ARTICLES—NAMELY, HOSIERY.** Registered June 9, 1925. BEAR BRAND HOSIERY CO., Chicago, Ill. Renewed June 9, 1945, to Bear Brand Hosiery Co., Kankakee and Chicago, Ill., a corporation of Illinois. Class 39.

199,639. **JOHN KING & SON'S. HOLLANDS BEING COTTON PIECE GOODS.** Registered June 16, 1925. JOHN KING & SON. Renewed June 16, 1945, to John King & Son Limited, Glasgow, Scotland, a British company, assignee. Class 42.

199,767. **OAK SHADOWS. FRESH DECIDUOUS FRUITS, FRESH GRAPES, FRESH CITROUS FRUITS, MELONS, AND EGGS, DRESSED POULTRY.** Registered June 16, 1925. J. J. GRAVES, doing business as Oak Shadows Farms, San Francisco, Calif. Renewed June 16, 1945. Class 46.

199,821. **USSCO. CRUDE ARSENIC, WHITE ARSENIC, AND SODIUM-ARSENITE SOLUTION.** Registered June 16, 1925. UNITED STATES SMELTING, REFINING AND MINING COMPANY, Portland, Maine, and Boston, Mass., a corporation of Maine. Renewed June 16, 1945. Class 6.

199,922. **GREAT WESTERN. PLASTER.** Registered June 23, 1925. THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y. Renewed June 23, 1945, to Certain-teed Products Corporation, Chicago, Ill., a corporation of Maryland, assignee. Class 12.

199,923. **SATIN SPAR. FINISHING PLASTER.** Registered June 23, 1925. THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y. Renewed June 23, 1945, to Certain-teed Products Corporation, Chicago, Ill., a corporation of Maryland, assignee. Class 12.

199,924. **SUNFLOWER. PLASTER.** Registered June 23, 1925. THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y. Renewed June 23, 1945, to Certain-teed Products Corporation, Chicago, Ill., a corporation of Maryland, assignee. Class 12.

200,052. **SILVER SPRAY. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.** Registered June 23, 1925. THE FITZGER COMPANY. Renewed June 23, 1945, to The Fitzger Brewing Company, Duluth, Minn., a corporation of Minnesota, assignee. Class 45.

200,249. **V SANE. SPARKLERS, SUN WHEELS, SNAKES, SNAKE VOLCANOES, DIPPED STICKS, GLOBE TORPEDOES, TUBE TORPEDOES, GOLDEN SHOWER TORCHES, SPIT DEVILS, DEVIL STICKS, COLORED-FIRE TORCHES, RAILROAD FUSES, VESUVIUS FOUNTAINS, FLITTER FOUNTAINS, CAP AMMUNITION, AND CERTAIN OTHER NAMED FIREWORKS.** Registered June 30, 1925. VICTORY SPARKLER & SPECIALTY COMPANY. Renewed June 30, 1945, to Victory Fireworks & Specialty Company, Elkton, Md., a corporation of Maryland, assignee. Class 9.

200,334. **LA SALLE. RICE, PREPARED MUSTARD, AND TOMATO CATCHUP.** Registered June 30, 1925. JOHN SEXTON AND CO., Chicago, Ill., a corporation of Illinois. Renewed June 30, 1945. Class 46.

200,382. **"BOXER" AND DRAWING. WHEAT FLOUR.** Registered June 30, 1925. BAY STATE MILLING COMPANY, Winona, Minn., a corporation of Minnesota. Renewed June 30, 1945. Class 46.

200,457. **"DITZLER" ETC. AND DRAWING. JAPAN COLORS, VARNISHES, PRIMERS, PAINT ENAMELS, MIXED PAINTS, NITROCELLULOSE LACQUERS, FINISHES, AND UNDERCOATINGS, AND PYROXYLIN ENAMEL FINISHES AND UNDERCOATINGS.** Registered June 30, 1925. DITZLER COLOR CO., Detroit, Mich. Renewed June 30, 1945, to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania, assignee. Class 16.

200,631. **SORBETTO. BISCUITS, WAFERS, CRACKERS, CAKES, AND COOKIES.** Registered July 7, 1925. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Renewed July 7, 1945, to National Biscuit Company, New York, N. Y., a corporation of New Jersey. Class 46.

200,747. **HEROCK. ASPHALTIC PAINTS.** Registered July 7, 1925. HEROCK MANUFACTURING COMPANY. Renewed July 7, 1945, to Herock Manufacturing Company, Phoenixville, Pa., a corporation of Pennsylvania, assignee. Class 16.

200,924. **"OLGAR" AND DESIGN. LIQUID PETROLATUM.** Registered July 14, 1925. PARKE, DAVIS & COMPANY, Detroit, Mich., a corporation of Michigan. Renewed July 14, 1945. Class 6.

200,964. **DEER. FRESH VEGETABLES.** Registered July 14, 1925. SING WO KEE CO. Renewed July 14, 1945, to City Fruit & Produce Co., San Francisco, Calif., a copartnership, assignee. Class 46.

201,155. **"ROSE DESCAT" AND DRAWING. LADIES' HATS.** Registered July 21, 1925. GASTON VICTOR CLEMENT ROBLOT. Renewed July 21, 1945, to Jeanne Juliette Gabrielle Pujos, Paris, France, assignee. Class 39.

201,269. **RAQUEL. PERFUMES, TOILET WATER, TOILET POWDERS, FACE CREAMS, LOTIONS, BATH SALTS, SACHETS, HAIR TONIC, EYELASH GROWER, MENTHOLINE BALM, DEPILATORY, SHAMPOO, SCALP SALVE, ROUGE PASTE, AND LIQUID POWDER.** Registered July 21, 1925. RAQUEL, INCORPORATED. Renewed July 21, 1945, to Lorain Products Co., Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 6.

201,297. **LITTLE GEM. TOY CARPET SWEEPERS.** Registered July 21, 1925. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich., a corporation of Michigan. Renewed July 21, 1945. Class 22.

201,423. **"FUJI" AND DRAWING. CANNED CHOW MEIN NOODLES, BEAN SPROUTS, CHOP-SUEY VEGETABLES, BEAN MOLASSES (A MOLASSES MADE OF BEANS AND SUGAR AND USED IN FLAVORING AND SEASONING FOODS), AND SHO-YU SAUCE.** Registered July 28, 1925. THE FUJI TRADING COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 28, 1945. Class 46.

201,432. **"INDIAN" AND DESIGN. GASOLINE AND KEROSENE.** Registered July 28, 1925. INDIAN REFINING COMPANY, INCORPORATED, Lawrenceville, Ill., and New York, N. Y. Renewed July 28, 1945, to The Texas Company, New York, N. Y., a corporation of Delaware, assignee. Class 15.

201,677. **PLANET. ASPHALT ROOFING.** Registered Aug. 4, 1925. JOHNS-MANVILLE, INCORPORATED. Renewed Aug. 4, 1945, to Johns-Manville Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 12.

201,733. **PAN-O-CEL. CELLULAR INSULATING MATERIAL MAINLY COMPOSED OF CORRUGATED ASBESTOS PAPER.** Registered Aug. 4, 1925. JOHNS-MANVILLE, INCORPORATED. Renewed Aug. 4, 1945, to Johns-Manville Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 12.

201,920. **"NOKOL" ETC. LIQUID-FUEL BURNERS OR HEATERS ELECTRICALLY OPERATED.** Registered Aug. 11, 1925. AMERICAN NOKOL COMPANY, Chicago, Ill. Renewed Aug. 11, 1945, to Petroleum Heat and Power Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 34.

201,923. **"ZYP" AND DRAWING. LIQUID CHEMICAL PREPARATION FOR USE IN CONJUNCTION WITH SOAP AND WATER TO INCREASE THEIR EFFICIENCY.** Registered Aug. 11, 1925. THE SANDOZ CHEMICAL CO. LTD., Bradford, England, a company incorporated in Great Britain and Northern Ireland. Renewed Aug. 11, 1945. Class 4.

202,003. **"TELETYPE" AND DESIGN. PRINTING-TELEGRAPH APPARATUS.** Registered Aug. 11, 1925. MORRUM-KLEINSCHMIDT CORPORATION. Renewed Aug. 11, 1945, to Teletype Corporation, Chicago, Ill., a corporation of Delaware, by change of name. Class 21.

202,008. **THE SOUTHERN BANKER. PERIODICAL.** Registered Aug. 11, 1925. THE SOUTHERN BANKER PUBLISHING CO. Renewed Aug. 11, 1945, to The Southern Banker Publishing Company, Atlanta, Ga., a partnership, assignee. Class 38.

- 202,191. **REPRESENTATION OF AN EAGLE AND PAIL WITH MOP WRINGER.** MOP WRINGERS. Registered Aug. 18, 1925. THE EAGLE WOODENWARE MFG. CO., Hamilton, Ohio, a corporation of Ohio. Renewed Aug. 18, 1945. Class 23.
- 202,382. **"COTTONLUXE PRODUCTS" AND DESIGN.** RECEPTACLES—I. E. BAGS AND FLEXIBLE CONTAINERS MADE OF PAPER OR CLOTH LINED WITH COTTON FIBERS. Registered Aug. 18, 1925. COTTONLUXE MANUFACTURING CO., INC. Renewed Aug. 18, 1945, to Cottonlux Manufacturing Co., New York, N. Y., a partnership, successor. Class 2.
- 202,868. **REPRESENTATION OF A SQUARE WITH A CIRCLE AT EACH CORNER.** BROOCHES, BAR PINS, PENDANTS, FINGER RINGS, BRACELETS, SCARF PINS. Registered Sept. 8, 1925. HARRIS STEINMEYER & CO. Renewed Sept. 8, 1945, to Mel Harris, doing business as Mel Harris Company, San Francisco, Calif., assignee. Class 28.
- 202,927. **ALTA.** SHORTS WHEAT MIDDINGS. Registered Sept. 8, 1925. RUSSELL-MILLER MILLING CO. Renewed Sept. 8, 1945, to Russell-Miller Milling Co., Minneapolis, Minn., a corporation of Delaware, assignee. Class 46.
- 202,930. **EPINUTS.** BISCUITS, CRACKERS, CAKES, AND WAFERS. Registered Sept. 8, 1925. NATIONAL BISCUIT COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Sept. 8, 1945. Class 46.
- 203,194. **GARDEN GUARD.** INSECTICIDES AND FUNGICIDES. Registered Sept. 15, 1925. ACME WHITE LEAD & COLOR WORKS, Hamtramck, Mich., a corporation of Michigan. Renewed Sept. 15, 1945. Class 6.
- 203,333. **EUREKA.** GASOLINE. Registered Sept. 15, 1925. PAULEY OIL COMPANY. Renewed Sept. 15, 1945, to Edwin W. Pauley, Los Angeles, Calif., successor. Class 15.
- 203,377. **"DIGIFORTIS" AND DESIGN.** TINCTURE OF DIGITALIS. Registered Sept. 15, 1925. Parke, Davis & Company, Detroit, Mich., a corporation of Michigan. Renewed Sept. 15, 1945. Class 6.
- 203,469. **THE MACARONI JOURNAL.** MAGAZINE OR PERIODICAL PUBLISHED MONTHLY. Registered Sept. 22, 1925. NATIONAL MACARONI MANUFACTURERS' ASSOCIATION, Braidwood, Ill., a corporation of Illinois. Renewed Sept. 22, 1945. Class 38.
- 203,806. **"DAYTON CUB" ETC. AND DRAWING.** PUMPS. Registered Sept. 29, 1925. THE DAYTON PUMP AND MANUFACTURING COMPANY, Dayton, Ohio, a corporation of Ohio. Renewed Sept. 29, 1945. Class 23.
- 203,830. **CRYSTEEL.** VITREOUS PORCELAIN ENAMELING ON METALS AND METAL CASTINGS AND FORGINGS. Registered Sept. 29, 1925. BENJAMIN ELECTRIC MANUFACTURING COMPANY, Chicago, Ill. Renewed Sept. 29, 1945, to Benjamin Electric Mfg. Company, Des Plaines, Ill., a corporation of Illinois. Class 14.
- 203,837. **FLORENCE NIGHTINGALE.** WOMEN'S, CHILDREN'S, AND MISSES' APRONS, DRESSES, AND UNIFORMS OF ALL DESCRIPTIONS. Registered Sept. 29, 1925. JACOBS BROTHERS. Renewed Sept. 29, 1945, to Jacobs Brothers, Incorporated, Baltimore, Md., a corporation of Maryland, assignee. Class 39.
- 203,874. **"MERCURY" AND DRAWING.** AIRPLANES. Registered Sept. 29, 1925. AERIAL SERVICE CORPORATION. Renewed Sept. 29, 1945, to Mercury Aircraft Inc., Hammondsport, N. Y., a corporation of New York, by change of name. Class 19.
- 204,015. **ENTRÉE.** CANNED SARDINES AND CANNED ANCHOVIES. Registered Oct. 6, 1925. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, Jersey City, N. J. Renewed Oct. 6, 1945, to The Great Atlantic & Pacific Tea Company, New York, N. Y., a corporation of New Jersey. Class 46.

- 204,261. **KERR.** DENTAL MEDICINES AND PREPARATIONS—VIZ. ANTISEPTICS, GERMICIDES, MEDICAMENT FOR ROOT DRESSINGS, GUTTA-PERCHA SOLVENTS, BEECHWOOD CREOSOTE IODINE, BALSAM OF PERU, CREOSOTE EUGENOL, OIL OF CAJUPUT, EUCALYPTOL COMPOUND, CAMPHORATED PHENOL, ROSIN CHLOROFORM, OIL OF CLOVES, OIL OF CASSIA, ACONITE IODINE CHLOROFORM, SILVER-NITRATE SOLUTION, LIQUEFIED PHENOL, PHENOL COMPOUND, COMPOUND AQUEOUS SOLUTION OF IODINE, STAIN REMOVER, TINCTURE OF IODINE, EUGENOL MODIFIED FORMALDEHYDE SOLUTION, AND OTHER CERTAIN NAMED PRODUCTS. Registered Oct. 13, 1925. DETROIT DENTAL MANUFACTURING COMPANY. Renewed Oct. 13, 1945, to Kerr Dental Manufacturing Co., Detroit, Mich., a corporation of Michigan, by change of name. Class 6.
- 204,291. **KLIXON.** WATER, STEAM, AND GAS VALVES. Registered Oct. 13, 1925. SPENCER THERMOSTAT COMPANY, Cambridge, Mass. Renewed Oct. 13, 1945, to Spencer Thermostat Company, Attleboro, Mass., a corporation of Massachusetts. Class 13.
- 204,538. **COUNTRY BOY.** FRESH CITROUS FRUITS—NAMESLY, ORANGES, LEMONS, GRAPEFRUIT. Registered Oct. 20, 1925. CHARTER OAK CITROUS ASSOCIATION, also doing business as San Dimas Fruit Exchange, Charter Oak, Calif. Renewed Oct. 20, 1945, to Damerel-Allison Company, also doing business as Damerel-Allison Association, Covina, Calif., a co-partnership, assignee. Class 46.
- 204,539. **ELAINE.** HOSIERY. Registered Oct. 20, 1925. IMPERIAL HOSIERY CO. Renewed Oct. 20, 1945, to Autenreith Company, Pittsburgh, Pa., a partnership, assignee. Class 39.
- 204,545. **BLACKHAWK CHIEF.** WATER-CIRCULATING PUMPS. Registered Oct. 20, 1925. AMERICAN GRINDER MFG. CO., Milwaukee, Wis. Renewed Oct. 20, 1945, to American Hydraulics, Inc., Sheboygan, Wis., a corporation of Wisconsin, assignee. Class 23.
- 204,559. **"RED CROW" AND DRAWING.** FRESH FRUITS—NAMESLY, APPLES. Registered Oct. 20, 1925. ALBERT C. GILBERT, doing business as Long Hill Orchard, West Newbury, Mass. Renewed Oct. 20, 1945, to Albert C. Gilbert, Jamaica, N. Y. Class 46.
- 204,581. **ANCHOR.** PREPARED COCONUT. Registered Oct. 20, 1925. FRANKLIN BAKER COMPANY, Hoboken, N. J. Renewed Oct. 20, 1945, to General Foods Corporation, New York, N. Y., a corporation of Delaware, assignee. Class 46.
- 204,588. **BLACKHAWK.** WATER-CIRCULATING PUMPS. Registered Oct. 20, 1925. AMERICAN GRINDER MFG. CO., Milwaukee, Wis. Renewed Oct. 20, 1945, to American Hydraulics, Inc., Sheboygan, Wis., a corporation of Wisconsin, assignee. Class 23.
- 204,599. **HOODSIE.** ICE CREAM. Registered Oct. 20, 1925. H. P. HOOD & SONS, INC., Boston, Mass. Renewed Oct. 20, 1945, to H. P. Hood & Sons, Inc., Charlestown, Boston, Mass., a corporation of Massachusetts. Class 46.
- 204,616. **ANAHEIM GLORIANA.** FRESH CITROUS FRUITS. Registered Oct. 20, 1925. ANAHEIM ORANGE & LEMON ASSOCIATION. Renewed Oct. 20, 1945, to Anaheim Valencia Orange Association, Anaheim, Calif., a corporation of California, by change of name. Class 46.
- 204,645. **MAUD MULLER.** FRESH CITROUS FRUITS—NAMESLY, ORANGES, LEMONS, AND GRAPEFRUIT. Registered Oct. 20, 1925. LA VERNE CO-OPERATIVE CITRUS ASSOCIATION, La Verne, Calif., a corporation of California. Renewed Oct. 20, 1945. Class 46.
- 204,703. **HEA-SAL HEALING-SALVE.** HEALING SALVE. Registered Oct. 20, 1925. CORA B. CORNELIUS, Woodhaven, Long Island, N. Y. Renewed Oct. 20, 1945, to Cora B. Cornelius, Ozone Park, N. Y. Class 6.

- 204,803. **ATHENA.** FRESH CITROUS FRUITS—NAMESLY, ORANGES, LEMONS, GRAPEFRUIT. Registered Oct. 27, 1925. J. M. RILEY FRUIT CO. Renewed Oct. 27, 1945, to Damerel-Allison Company, also doing business as Damerel-Allison Association, Covina, Calif., a co-partnership, assignee. Class 46.
- 204,945. **"DIAMOND QUALITY TISSUE" AND DRAWING.** TOILET PAPER. Registered Oct. 27, 1925. DIAMOND PAPER CO., LTD., New Orleans, La., a corporation of Louisiana. Renewed Oct. 27, 1945. Class 37.
- 204,949. **HYDROSAL.** ANTISEPTICS AND DEODORANTS. Registered Oct. 27, 1925. THE HYDROSAL LABORATORIES CO. Renewed Oct. 27, 1945, to Hydrosal Company, Cincinnati, Ohio, a firm, assignee by mesne assignments. Class 6.
- 205,067. **REAL OREAM.** BANANAS. Registered Nov. 3, 1925. IRWIN R. BUTZBACH, South Bend, Ind. Renewed Nov. 3, 1945. Class 46.
- 205,087. **THE MELODY SAX.** SAXOPHONES. Registered Nov. 3, 1925. THE FRED. GRETSCH MANUFACTURING CO., Brooklyn, N. Y., a corporation of New York. Renewed Nov. 3, 1945. Class 36.
- 205,162. **SALMON FLY.** CANNED SALMON. Registered Nov. 3, 1925. FIDALGO ISLAND PACKING CO., Seattle, Wash., a corporation of Maine. Renewed Nov. 3, 1945. Class 46.
- 205,170. **"CRESCENT" AND DESIGN.** LUBRICATING OIL. Registered Nov. 3, 1925. CRESCENT OIL COMPANY, Baltimore, Md., a firm. Renewed Nov. 3, 1945. Class 15.
- 205,173. **SAVOGRAN.** CLEANING PREPARATIONS INCLUDING GENERAL CLEANING PREPARATIONS FOR CLEANING FLOORS, WALLS, WASHING DISHES AND GLASSES, MILK CANS AND BOTTLES, AND OTHER KINDS OF GENERAL CLEANING. Registered Nov. 3, 1925. INDIA ALKALI WORKS. Renewed Nov. 3, 1945, to The Savogran Company, Boston, Mass., a corporation of Massachusetts, by change of name. Class 4.
- 205,263. **ENDURO.** WAX AND CHALK CRAYONS. Registered Nov. 3, 1925. STANDARD CRAYON MANUFACTURING CO. Renewed Nov. 3, 1945, to Standard Crayon Manufacturing Corporation, Danvers, Mass., a corporation of Massachusetts, by change of name. Class 37.
- 205,323. **"A" AND DESIGN.** CORK-BOARD INSULATION. Registered Nov. 3, 1925. ARMSTRONG CORK AND INSULATION COMPANY, Pittsburgh, Pa. Renewed Nov. 3, 1945, to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania, assignee. Class 12.
- 205,327. **"ARLINGTON" AND DESIGN.** WHEAT FLOUR. Registered Nov. 3, 1925. WASHBURN CROSBY COMPANY. Renewed Nov. 3, 1945, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee. Class 46.
- 205,461. **REPRESENTATION OF A SPINNING TOP.** COTTON GLOVES, JERSEY GLOVES, AND LEATHER-PALM COMBINATION GLOVES. Registered Nov. 10, 1925. WELLS-LAMONT MFG. CO., Minneapolis, Minn. Renewed Nov. 10, 1945, to Wells Lamont Corporation, Chicago, Ill., a corporation of Minnesota, by change of name. Class 39.
- 205,464. **FLEXELMT.** STRAW AND FELT HATS FOR MEN, WOMEN, AND CHILDREN. Registered Nov. 10, 1925. THE MALLORY HAT COMPANY, Danbury, Conn., a corporation of Connecticut. Renewed Nov. 10, 1945. Class 39.
- 205,487. **DENTALONE.** ANALGESIC AND ANTISEPTIC DENTAL PREPARATION. Registered Nov. 10, 1925. PARKE, DAVIS & COMPANY, Detroit, Mich., a corporation of Michigan. Renewed Nov. 10, 1945. Class 6.
- 205,488. **AZOA.** RAT VIRUS. Registered Nov. 10, 1925. PARKE, DAVIS & COMPANY, Detroit, Mich., a corporation of Michigan. Renewed Nov. 10, 1945. Class 6.
- 205,527. **"ALAMO" AND DRAWING.** LYE. Registered Nov. 10, 1925. WM. SCHIELD MFG. CO., St. Louis, Mo. Renewed Nov. 10, 1945, to B. T. Babbitt, Inc., Albany, and New York, N. Y., a corporation of New York, assignee. Class 6.
- 205,531. **VACATIONETTE.** FACE POWDERS, FACE CREAMS, TOILET WATERS, ROUGES, LIP STICKS, EYEBROW PENCILS, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, TALCUM POWDERS, AND SACHETS. Registered Nov. 10, 1925. THE ELCAYA COMPANY, INC., Long Island City, N. Y. Renewed Nov. 10, 1945, to The Elcaya Company, Inc., New York, N. Y., a corporation of New York. Class 6.
- 205,565. **AMBASSADOR.** MEN'S UNLINED DRESS GLOVES MADE OF LEATHER, OF FABRIC, OF RUBBER, AND OF COMBINATIONS OF THE SAME. Registered Nov. 10, 1925. O. C. HANSEN MANUFACTURING CO. Renewed Nov. 10, 1945, to Hansen Glove Corporation, Milwaukee, Wis., a corporation of Wisconsin, by change of name. Class 39.
- 205,611. **COLORATONE.** GRAY-HAIR COLOR RESTORER. Registered Nov. 10, 1925. BENJAMIN T. GALE, doing business as Coloratone Gray Hair Restorer Co., St. Paul, Minn. Renewed Nov. 10, 1945, to Monroe Chemical Company, Quincy, Ill., a corporation of Maryland, assignee. Class 6.
- 205,659. **BANNER.** JELLIES, JAMS, FRUIT BUTTERS, FRUIT AND BERRY PRESERVES, AND PICKLES. Registered Nov. 10, 1925. SQUIRE DINGEE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Nov. 10, 1945. Class 46.
- 205,699. **VERONAL.** SOPORIFIC MEDICINE, THE CHEMICAL NAME OF WHICH IS DIETHYLBARBITURIC ACID, AND THE DESCRIPTIVE NAME BARBITAL. Registered Nov. 17, 1925. WINTHROP CHEMICAL COMPANY, INC. Renewed Nov. 17, 1945, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, by merger. Class 6.
- 205,724. **"B" AND DESIGN.** METER FRAMES, DISKS AND CASES, AMMETER CASES, SPEEDOMETER PARTS, WHEATSTONE BRIDGES, CAPTANCE METER PARTS, FLOW METER PARTS, STIRRING RODS, PIPETTES, BURETTES AND BURETTE STANDS, GRADUATES, WATCH GLASSES, CRUCIBLES, BEAKERS, GAUGE GLASSES, PHOTOGRAPHERS' TRAYS, CAMERA CASES, GOGGLES, COLOR SCREENS, MICROSCOPE STAGES AND LENS FRAMES, AND CERTAIN OTHER NAMED ARTICLES. Registered Nov. 17, 1925. BAKELITE CORPORATION. Renewed Nov. 17, 1945, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey, assignee. Class 26.
- 205,731. **"CAPASO" AND DESIGN.** BRAIDS, SHOE LACES AND HATBANDS. Registered Nov. 17, 1925. HUGHES FAWCETT. Renewed Nov. 17, 1945, to Hughes Fawcett, Inc., New York, N. Y., a corporation of New York, successor. Class 40.
- 205,738. **"LEFTTEX" AND DESIGN.** MUFFLERS, TIES, CRAVATS, LADIES' VESTES, COLLARS AND CUFFS, GARTERS, HOSE SUPPORTERS, ARM BANDS, BABIES' RUBBER PANTS, BELTS FOR PERSONAL WEAR, SUSPENDERS, LEATHER GLOVES, CANVAS GLOVES, SUÈDE GLOVES, LEATHER-PALM CANVAS GLOVES, WOOL GLOVES, AND CERTAIN OTHER NAMED ARTICLES OF CLOTHING. Registered Nov. 17, 1925. LEFT BROTHERS DRY GOODS AND NOTIONS COMPANY, Houston, Tex., a corporation of Texas. Renewed Nov. 17, 1945. Class 39.

- 205,739. "PALMOLIVE" AND DESIGN. TOILET AND SHAVING SOAPS (IN SOLID, POWDERED, AND LIQUID FORM). Registered Nov. 17, 1925. THE PALMOLIVE COMPANY, Chicago, Ill. Renewed Nov. 17, 1945, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, by change of name. Class 4.
- 205,743. "UNION HARDWARE COMPANY" AND DESIGN. FISHING RODS, FISHING REELS, WHISTLES AND CALLS FOR ANIMALS AND BIRDS, ROLLER SKATES, ICE SKATES WITH STRAPS AND WITHOUT STRAPS AND SCABBARDS THEREFOR, SKATES WITH SHOES ATTACHED SOLD AS A UNIT, AND SKATE KEYS. Registered Nov. 17, 1925. UNION HARDWARE COMPANY, Torrington, Conn., a corporation of Connecticut. Renewed Nov. 17, 1945. Class 22.
- 205,754. QUEEN BEE. FRESH CITROUS FRUITS—NAMESLY, ORANGES, LEMONS, GRAPEFRUIT. Registered Nov. 17, 1925. CORONA CITRUS ASSOCIATION, Corona, Calif., a corporation of California. Renewed Nov. 17, 1945. Class 46.
- 205,757. MONOPOLE. FRESH CITROUS FRUITS—NAMESLY, ORANGES, LEMONS, GRAPEFRUIT. Registered Nov. 17, 1925. GLENDORA CITRUS ASSOCIATION, Glendora, Calif., a corporation of California. Renewed Nov. 17, 1945. Class 46.
- 205,759. RECEPTION. FRESH CITROUS FRUITS—NAMESLY, ORANGES, LEMONS, GRAPEFRUIT. Registered Nov. 17, 1925. ORANGE MUTUAL CITRUS ASSOCIATION. Renewed Nov. 17, 1945, to Orange Co-Operative Citrus Association, Orange, Calif., a corporation of California, assignee. Class 46.
- 205,762. SOUR BALLS. FRESH CITROUS FRUITS—NAMESLY, LEMONS, ORANGES, AND GRAPEFRUIT. Registered Nov. 17, 1925. LEFFINGWELL RANCHO LEMON ASSOCIATION, Whittier, Calif., a corporation of California. Renewed Nov. 17, 1945. Class 46.
- 205,767. RED C. FRESH CITROUS FRUITS—NAMESLY, ORANGES, LEMONS, GRAPEFRUIT. Registered Nov. 17, 1925. COVINA CITRUS ASSOCIATION, Covina, Calif., a corporation of California. Renewed Nov. 17, 1945. Class 46.
- 205,773. RECORDOCHECK. BLANK BOOKS—NAMESLY, CHECK REGISTERS. Registered Nov. 17, 1925. GUSTAV C. KUNKEL, Buffalo, N. Y. Renewed Nov. 17, 1945. Class 37.
- 205,785. DRIVER. HAND DRILLS, VISES, WRENCHES, HAMMERS, AND JACKS. Registered Nov. 17, 1925. WALKER-TURNER CO., INC., New York, N. Y. Renewed Nov. 17, 1945, to Walker-Turner Co., Inc., Plainfield, N. J., a corporation of New York. Class 23.
- 205,787. WAGEMAKER. MEN'S, YOUTHS', AND BOYS' OVERALLS, DRESS, NEGLIGEE AND WORK SHIRTS, CHILDREN'S PLAY SUITS, AND ONE-PIECE GARMENTS KNOWN AS GARAGE SUITS. Registered Nov. 17, 1925. STUART, KEITH & CO. INC. Renewed Nov. 17, 1945, to The Stuart-Keith Manufacturing Company, Baltimore, Md., a corporation of Maryland, successor. Class 39.
- 205,807. "B" AND DESIGN. CASH BOXES, INSTRUMENT CASES, VANITY BOXES, SAFETY-RAZOR BOXES, ROUGE AND PASTE BOXES, AND WASTE-PAPER BASKETS. Registered Nov. 17, 1925. BAKELITE CORPORATION. Renewed Nov. 17, 1945, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey, assignee. Class 2.
- 205,824. "B" AND DESIGN. PISTOL GRIPS AND BUTT PLATES. Registered Nov. 17, 1925. BAKELITE CORPORATION. Renewed Nov. 17, 1945, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey, assignee. Class 9.

- 205,851. SCHIELD'S LAUREL BRAND LYE. LYE. Registered Nov. 17, 1925. Wm. SCHIELD MFG. CO., St. Louis, Mo. Renewed Nov. 17, 1945, to B. T. Babbitt, Inc., Albany and New York, N. Y., a corporation of New York, assignee. Class 6.
- 205,852. "SOAP-O LYE" ETC. AND DRAWING. LYE. Registered Nov. 17, 1925. Wm. SCHIELD MFG. CO., St. Louis, Mo. Renewed Nov. 17, 1945, to B. T. Babbitt, Inc., Albany and New York, N. Y., a corporation of New York, assignee. Class 6.
- 205,868. REPRESENTATION OF A LIFE PRESERVER. COUGH DROPS AND TABLETS FOR INDIGESTION, HEADACHE, CONSTIPATION, AND BILIOUSNESS. Registered Nov. 17, 1925. LIFE SAVERS, INC. Renewed Nov. 17, 1945, to Life Savers Corporation, Port Chester, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 6.
- 205,873. REPRESENTATION OF A LIFE PRESERVER. MALT EXTRACT. Registered Nov. 17, 1925. LIFE SAVERS, INC. Renewed Nov. 17, 1945, to Life Savers Corporation, Port Chester, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 46.
- 205,874. CRÈME CÉLÈBRE. PREPARATION FOR USE ON THE HUMAN DEAD FOR PREVENTING RAZOR BURNS, PROTECTING THE SKIN AGAINST DEHYDRATION, AND AS A BASIS FOR PRODUCING A SOFT VELVETY APPEARANCE. Registered Nov. 17, 1925. THE UNDERTAKERS' SUPPLY COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Nov. 17, 1945. Class 6.
- 205,877. "POPPY BRAND" AND DRAWING. BRAIDS, ELASTIC CORDS, LOOP ELASTICS, TAPES, SHOE LACINGS, UNDERWEAR LACINGS, BLOUSE LACINGS, ELASTIC BRAIDS AND GALLOONS, ALL OF WHICH ARE MADE OF LINEN, COTTON, SILK, OR WORSTED. Registered Nov. 17, 1925. BUDLONG MANUFACTURING COMPANY, Auburn, R. I. Renewed Nov. 17, 1945, to Budlong Manufacturing Company, Cranston, R. I., a corporation of Rhode Island. Class 40.
- 205,894. BEESWING. WAX, WRITING, AND PRINTING PAPER. Registered Nov. 17, 1925. INTERNATIONAL PAPER COMPANY. Renewed Nov. 17, 1945, to International Paper Company, New York, N. Y., a corporation of New York, assignee. Class 37.
- 205,903. "THE LITTLE MAN'S" ETC. AND DESIGN. YOUTHS' AND BOYS' OVERALLS, DRESS, NEGLIGEE, AND WORK SHIRTS; CHILDREN'S PLAY SUITS, AND ONE-PIECE WORK GARMENTS KNOWN AS GARAGE SUITS. Registered Nov. 17, 1925. STUART, KEITH & CO. INC. Renewed Nov. 17, 1945, to The Stuart-Keith Manufacturing Company, Baltimore, Md., a corporation of Maryland, successor. Class 39.
- 205,905. SATTEX. TEXTILE BINDING STRIPS OR RIBBONS. Registered Nov. 17, 1925. FREYDBERG BROS., INC., New York, N. Y. Renewed Nov. 17, 1945, to Freydberg Bros.-Strauss, Inc., Stamford, Conn., and New York, N. Y., a corporation of New York, by change of name. Class 42.
- 205,924. "B" AND DESIGN. FOUNTAIN PENS, PENCILS, PEN BARRELS, LETTER TRAYS, PAPER WEIGHTS, LOOSE-LEAF BINDERS, INKSTANDS, RULES, RUBBER STAMP HANDLES, CALENDAR STANDS, LETTER OPENERS, PAPER CUTTERS, PEN-HOLDERS, AND PEN TRAYS. Registered Nov. 17, 1925. BAKELITE CORPORATION. Renewed Nov. 17, 1945, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey, assignee. Class 37.
- 205,930. "BURRO" AND DESIGN. ARTICLES OF STATIONERY HARDWARE—NAMESLY, PAPER CLIPS, LETTER CLIPS, FILE SIGNALS, AND INDEX TABS. Registered Nov. 17, 1925. THE H. C. COOK COMPANY, Ansonia, Conn., a corporation of Connecticut. Renewed Nov. 17, 1945. Class 37.

- 205,931. BURRO. ARTICLES OF STATIONERY HARDWARE—NAMESLY, PAPER CLIPS, LETTER CLIPS, FILE SIGNALS, AND INDEX TABS. Registered Nov. 17, 1925. THE H. C. COOK COMPANY, Ansonia, Conn., a corporation of Connecticut. Renewed Nov. 17, 1945. Class 37.
- 205,941. CACTUS. FRESH CITROUS FRUITS—NAMESLY, ORANGES, LEMONS, GRAPEFRUIT. Registered Nov. 17, 1925. HIGHLAND FRUIT GROWERS ASSOCIATION, Highland, Calif., a corporation of California. Renewed Nov. 17, 1945. Class 46.
- 205,945. CONGRESS. FRESH CITRUS FRUITS—ORANGES, LEMONS, GRAPEFRUIT. Registered Nov. 17, 1925. THE IRVINE CITRUS ASSOCIATION, Tustin, Calif. Renewed Nov. 17, 1945, to The Irvine Citrus Association, Santa Ana, Calif., a corporation of California. Class 46.
- 205,947. COLOSSUS. FRESH CITROUS FRUITS—NAMESLY, ORANGES, LEMONS, GRAPEFRUIT. Registered Nov. 17, 1925. WALNUT FRUIT GROWERS ASSOCIATION, Walnut, Calif., a corporation of California. Renewed Nov. 17, 1945. Class 46.
- 205,953. SUGARDALE. HAM, BACON, BOILED HAM, BAKED HAM, COTTAGE HAMS, WIENERS, KNOCKS (MORE COMMONLY KNOWN AS KNOCKWURST, A FORM OF WIENERS), BOLOGNA, MINCED HAM, PRESSED HAM, HAM LOAF, MEAT LOAF, LIVER PUDDINGS, HEAD CHEESE, BLOOD PUDDING, LEONA SAUSAGE, POLISH SAUSAGE, AND FANCY ROLL (COMPOSED OF BEEF AND PORK) IN PARAFFINED MUSLIN SACKS. Registered Nov. 17, 1925. THE STARK PROVISION CO. Renewed Nov. 17, 1945, to The Sugardale Provision Co., Canton, Ohio, a corporation of Ohio, by change of name. Class 46.
- 205,956. COUGAR. FRESH CITROUS FRUITS—NAMESLY, ORANGES, LEMONS, GRAPEFRUIT. Registered Nov. 17, 1925. COVINA CITRUS ASSOCIATION, Covina, Calif., a corporation of California. Renewed Nov. 17, 1945. Class 46.
- 206,011. SUPERIOR GRAPHITE PAINT. PAINTS, DRY, PASTE, SEMIPASTE, AND READY MIXED. Registered Nov. 24, 1925. DETROIT GRAPHITE COMPANY. Renewed Nov. 24, 1945, to Detroit Graphite Company, Detroit, Mich., a corporation of Delaware, assignee by mesne assignments. Class 16.
- 206,013. "B" AND DESIGN. PAINT ENAMELS, LACQUERS, AND VARNISHES. Registered Nov. 24, 1925. BAKELITE CORPORATION, New York, N. Y., a corporation of New Jersey. Renewed Nov. 24, 1945. Class 16.
- 206,020. "TRIANGLE" AND DESIGN. CHEESE. Registered Nov. 24, 1925. TRIANGLE CHEESE COMPANY, Monroe, Wis., a corporation of Wisconsin. Renewed Nov. 24, 1945. Class 46.
- 206,029. REPRESENTATION OF A LIFE PRESERVER. CIGARS, CIGARETTES, SMOKING AND CHEWING TOBACCO. Registered Nov. 24, 1925. LIFE SAVERS, INC. Renewed Nov. 24, 1945, to Life Savers Corporation, Port Chester, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 17.
- 206,056. GOLD MARK. CANNED VEGETABLES—NAMESLY, LIMA BEANS, AND CANNED FISH—NAMESLY, CANNED SALMON. Registered Nov. 24, 1925. ADOLPH GOLDMARK & SONS, CORP., New York, N. Y., a corporation of New York. Renewed Nov. 24, 1945. Class 46.
- 206,067. CLOTHCRAFT. MEN'S AND YOUNG MEN'S SUITS, TROUSERS, AND OVERCOATS. Registered Nov. 24, 1925. THE JOSEPH & FEISS CO., Cleveland, Ohio, a corporation of Ohio. Renewed Nov. 24, 1945. Class 39.
- 206,095. SACOLITE. PASTE AND READY-MIXED PAINTS. Registered Nov. 24, 1925. THE SMITH-ALSOPI PAINT & VARNISH COMPANY, Terre Haute, Ind., a corporation of Indiana. Renewed Nov. 24, 1945. Class 16.
- 206,107. MACABEI. CANNED FISH, PARTICULARLY CANNED SALMON. Registered Nov. 24, 1925. STROHMEYER & ARPE COMPANY, New York, N. Y., a corporation of New York. Renewed Nov. 24, 1945. Class 46.
- 206,118. O. T. C. CRACKERS. Registered Nov. 24, 1925. CHRISTOPHER CARLIDGE, doing business as Original Trenton Cracker Company, Trenton, N. J. Renewed Nov. 24, 1945. Class 46.
- 206,121. FLORAL TOPICS. PERIODICAL PARTICULARLY ADAPTED TO FLORISTS AND FLORAL INTERESTS, PUBLISHED FROM TIME TO TIME. Registered Nov. 24, 1925. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Renewed Nov. 24, 1945. Class 38.
- 206,126. THE SIX O'CLOCK. MEN'S FULL-DESS AND TUXEDO SUITS. Registered Nov. 24, 1925. ROTHSCHILD & SONS, INC., Kansas City, Mo., a corporation of Missouri. Renewed Nov. 24, 1945. Class 39.
- 206,128. WANASHEER. HOSIERY. Registered Nov. 24, 1925. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Nov. 24, 1945. Class 39.
- 206,135. UNISHEAR. POWER-DRIVEN SHEARS FOR CUTTING METAL, LEATHER, CELLULOID, CARDBOARD, AND THE LIKE. Registered Nov. 24, 1925. THE UNISHEAR COMPANY, New York, N. Y., assignor to Unishear Co., Inc. Renewed Nov. 24, 1945, to The Stanley Works, New Britain, Conn., a corporation of Connecticut, assignee by mesne assignments. Class 23.
- 206,137. FAVORITA. FRESH CITROUS FRUITS—NAMESLY, ORANGES AND LEMONS. Registered Nov. 24, 1925. ANAHEIM ORANGE & LEMON ASSOCIATION. Renewed Nov. 24, 1945, to Anaheim Valencia Orange Association, Anaheim, Calif., a corporation of California, by change of name. Class 46.
- 206,139. ELCO. WOOD SCREWS, WASHER-HEAD SCREWS, MACHINE SCREWS, HEADLESS SCREWS, SPECIAL SCREWS, ROLLED THREAD PARTS, RIVETS, UPSET SHOULDERED PARTS, WIRE PINS, COLD-HEADED PARTS, AND THREADED WIRES. Registered Nov. 24, 1925. ELCO TOOL AND SCREW CORPORATION, Rockford, Ill., a corporation of Illinois. Renewed Nov. 24, 1945. Class 13.
- 206,141. "TWO-SOME" ETC. AND DRAWING. MEN'S OUTER CLOTHING CONSISTING OF COATS, VESTS, TROUSERS, AND KNICKERBOCKERS. Registered Nov. 24, 1925. FRANKEL BROS., New York, N. Y. Renewed Nov. 24, 1945, to Desmond's, Los Angeles, Calif., a corporation of California, assignee. Class 39.
- 206,142. AS SEEN IN VOGUE. PRINTED ADVERTISING SIGNS. Registered Nov. 24, 1925. THE CONDE NAST PUBLICATIONS, INC., New York, N. Y., a corporation of New York. Renewed Nov. 24, 1945. Class 38.
- 206,148. TAP. CEREAL BEVERAGE—NAMESLY, NEAR BEER. Registered Nov. 24, 1925. RUBSAM & HORRMANN BREWING CO., Stapleton, N. Y., a corporation of New York. Renewed Nov. 24, 1945. Class 48.
- 206,152. SELFELP. TOILET PAPER, PAPER TOWELS, PAPER NAPKINS, AND CRÈPE PAPERS. Registered Nov. 24, 1925. FORT HOWARD PAPER COMPANY, Green Bay, Wis., a corporation of Wisconsin. Renewed Nov. 24, 1945. Class 37.
- 206,166. LONG BRANCH. CANNED PINEAPPLE. Registered Nov. 24, 1925. SUSSMAN, WORMSER & CO. Renewed Nov. 24, 1945, to S and W Fine Foods, Inc., San Francisco, Calif., a corporation of California, by change of name. Class 46.

- 206,183. **REPRESENTATION OF A CIRCULAR DESIGN. WATCH GLASSES.** Registered Nov. 24, 1925. HAMMEL, RIGLANDER & Co. Renewed Nov. 24, 1945, to Hammel, Riglander & Co. Inc., New York, N. Y., a corporation of New York, by change of name. Class 33.
- 206,207. **OPTICAL BLACK. LACQUER.** Registered Nov. 24, 1925. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Nov. 24, 1945. Class 16.
- 206,208. **MATTINA. LACQUER.** Registered Nov. 24, 1925. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Nov. 24, 1945. Class 16.
- 206,209. **CAIRO. LACQUER.** Registered Nov. 24, 1925. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Nov. 24, 1945. Class 16.
- 206,211. **ANTIQUE BLACK. LACQUER.** Registered Nov. 24, 1925. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Nov. 24, 1945. Class 16.
- 206,226. **"RED STAR" AND DESIGN. SELF-RISING WHEAT FLOUR.** Registered Nov. 24, 1925. THE RED STAR MILLING COMPANY, Wichita, Kans. Renewed Nov. 24, 1945, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee. Class 46.
- 206,231. **GLOCOAL. COAL.** Registered Nov. 24, 1925. OLD BEN COAL CORPORATION, Chicago, Ill., a corporation of Delaware. Renewed Nov. 24, 1945. Class 1.
- 206,232. **COALOTEM. COAL.** Registered Nov. 24, 1925. OLD BEN COAL CORPORATION, Chicago, Ill., a corporation of Delaware. Renewed Nov. 24, 1945. Class 1.
- 206,248. **VELOC. GREENHOUSE-VENTILATING APPARATUS.** Registered Nov. 24, 1925. LORD AND BURNHAM COMPANY, Irvington-on-Hudson, N. Y. Renewed Nov. 24, 1945, to Lord and Burnham Company, Irvington, N. Y., a corporation of New York. Class 34.
- 206,261. **"AILON" AND DESIGN. PLYWOOD AND VENEERED LUMBER.** Registered Nov. 24, 1925. THE MENGEL COMPANY, Louisville, Ky., a corporation of New Jersey. Renewed Nov. 24, 1945. Class 12.

- 206,296. **"BI-KNIT M" AND DESIGN. INFANTS' AND CHILDREN'S KNITTED UNDERWEAR AND KNITTED SLEEPING GARMENTS, INFANTS' KNITTED SHIRTS AND BANDS, CHILDREN'S KNITTED SHIRTS AND PANTS, CHILDREN'S KNITTED UNION SUITS AND WAIST UNION SUITS.** Registered Nov. 24, 1925. MINNEAPOLIS KNITTING WORKS, Minneapolis, Minn., a corporation of Minnesota. Renewed Nov. 24, 1945. Class 39.
- 206,302. **AUNT SARAH'S. PORTABLE OVENS.** Registered Nov. 24, 1925. JACKES-EVANS MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Nov. 24, 1945. Class 34.
- 206,304. **"THE UNIVERSAL HOSIERY RIBBER" AND DESIGN. FOOTER, KNITTING, AND RIBBING MACHINES AND PARTS THEREOF.** Registered Nov. 24, 1925. FIDELITY MACHINE COMPANY, Wilmington, Del., and Philadelphia, Pa. Renewed Nov. 24, 1945, to Fidelity Machine Company, Philadelphia, Pa., a corporation of Delaware. Class 23.
- 206,308. **"ROBIN HOOD" AND DRAWING. LEATHER.** Registered Nov. 24, 1925. HELBURN-THOMPSON COMPANY, Salem, Mass., a corporation of Massachusetts. Renewed Nov. 24, 1945. Class 1.
- 206,310. **VENECIA. FRESH CITROUS FRUITS—NAMESLY, ORANGES, LEMONS, GRAPEFRUIT.** Registered Nov. 24, 1925. J. M. RILEY FRUIT CO. Renewed Nov. 24, 1945, to Damerel-Allison Company, also doing business as Damerel-Allison Association, Covina, Calif., a co-partnership, assignee. Class 46.
- 206,313. **"LUSTRIA" ETC. AND DESIGN. COTTON PIECE GOODS.** Registered Nov. 24, 1925. THE QUINEBAUG COMPANY, Danielson, Conn. Renewed Nov. 24, 1945, to Wauregan Mills, Incorporated, Wauregan, Conn., a corporation of Connecticut, successor. Class 42.
- 206,315. **FRANKO. BELTING COMMONLY EMPLOYED IN INDUSTRY FOR POWER TRANSMISSION, FOR CONVEYING VARIOUS KINDS OF RAW MATERIALS AND FINISHED PRODUCTS, AND FOR SO-CALLED APRONS OR CONVEYORS (INCLUDING CUTTER BELTS) ON MACHINERY USED FOR THE PRODUCTION OF CRACKERS, COOKIES, AND SIMILAR FOOD PRODUCTS.** Registered Nov. 24, 1925. THE FRANKLIN COTTON MILL CO., Cincinnati, Ohio, a corporation of Ohio. Renewed Nov. 24, 1945. Class 35.

PATENTS

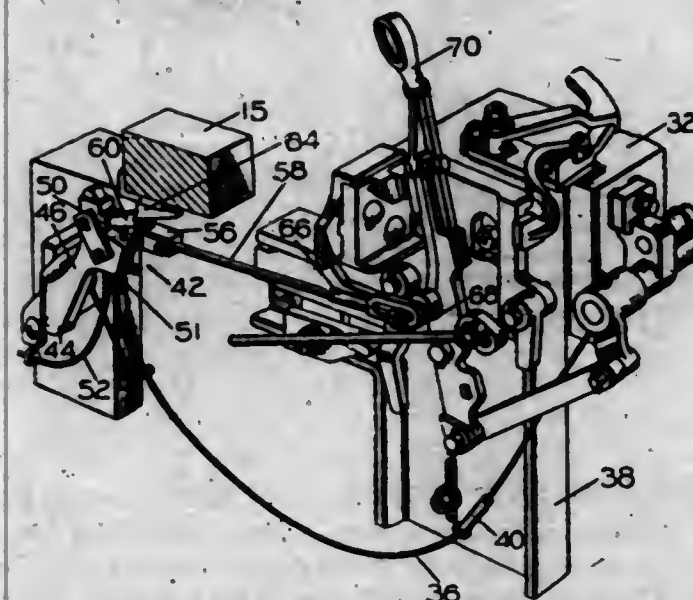
GRANTED SEPTEMBER 4, 1945

2,383,931

STOPPING MEANS FOR LOOMS

Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application October 28, 1944, Serial No. 560,805
4 Claims. (Cl. 139—377)



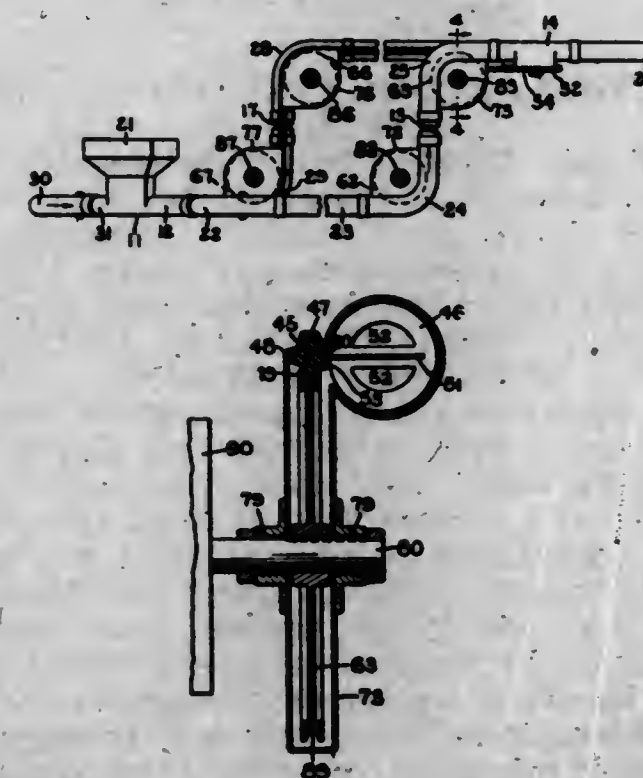
1. In a loom, means operated upon warp failure to stop the loom, a filling fork arranged to be tilted upon engagement with the filling, a slide on which the fork is pivoted, a loop on said fork, means having a projection thereon arranged to be engaged by said loop upon filling failure and for reciprocating said slide, a cam surface on said slide, and means interposed between said cam surface and said stopping means and arranged to actuate said stopping means during movement of said slide.

2,383,932

CONVEYER

Eugene E. Brunner, York, Pa., assignor to Read Machinery Co. Inc., York, Pa., a corporation of Pennsylvania

Application July 6, 1943, Serial No. 493,639
4 Claims. (Cl. 198—168)



1. In a conveyer, an endless conveying element adapted to be drawn through an endless casing,

comprising a series of flight units, each of said flight units having a main body portion formed of sheet metal, a reinforcing rib of sheet metal fastened edgewise to one face of the main body and having an end portion disposed substantially in alignment with one side edge of the main body portion, a bracket secured to said main body portion and to the end portion of said rib, an endless belt having a series of longitudinal ribs, means for attaching the bracket of each of said flight units to one of the ribs of said belt, and sheaves mounted in the conveyer casing for engaging other ribs of said belt for guiding the conveying element through said casing.

2,383,933

PREPARATION OF RESINOUS DISPERSIONS

Albert Howard Bump, Watertown, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application December 10, 1942,
Serial No. 468,545

11 Claims. (Cl. 106—238)

1. The method of preparing a relatively concentrated aqueous dispersion of an acid reacting synthetic resin of the type prepared by reacting an organic compound of acidic character containing a $-\text{CO}-\text{C}=\text{C}$ group with a substance selected from the group consisting of organic compounds containing a conjugated double bond and organic compounds capable of forming a conjugated double bond upon being heated, which comprises mixing the resin with an alkaline substance and water and heating the mixture under superatmospheric pressure and at a temperature between 140 and 200° C., said alkali being supplied in an amount sufficient to neutralize from 30 to 50% of the acid content of said resin, and said water being supplied in an amount by weight sufficient to produce an aqueous dispersion of said resin.

2,383,934

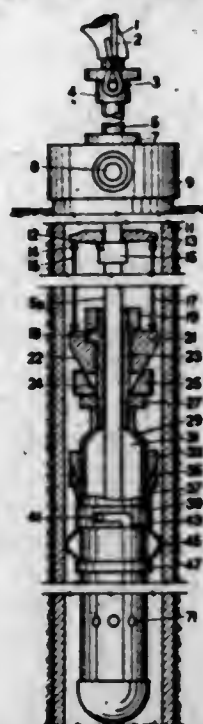
OIL WELL PUMP

Wilfred S. Crake, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application August 1, 1944, Serial No. 547,621
4 Claims. (Cl. 103—219)

1. In well pumping apparatus, a string of tubing extending into the well, said tubing being adapted for reciprocation from the surface, a plunger affixed to the lower end of said tubing, a pump barrel slidably fitting around said plunger, port means for admitting well fluid to said pump barrel below said plunger, passage means in said plunger for admitting fluid from the under to the upper side thereof within said pump barrel, said tubing being open to said pump barrel above said plunger, valve means adapted to close said passage during the upward stroke of the plunger, lower slip means outwardly carried by said pump barrel adapted to anchor said pump barrel against downward motion in the well, and upper slip means adapted to anchor said pump barrel against upward motion in the well, said upper slip means comprising a slip-bowl slidably surrounding said pump barrel, stop members on said pump barrel to limit the upward and the downward motion of said slip-bowl with regard to said

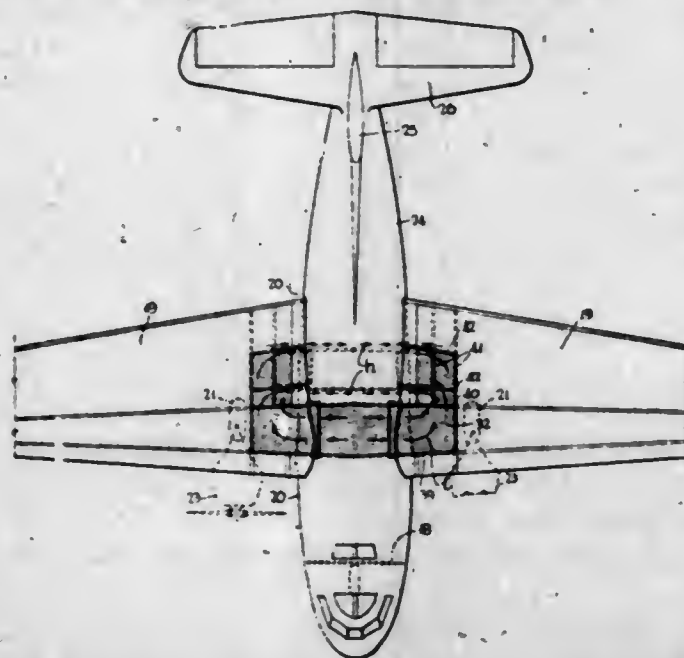
pump barrel, a yoke slidably surrounding said tubing, a stop member on said tubing adapted to limit the downward motion of said yoke with regard to said tubing, and link means connecting



said yoke to said upper bowl, whereby said upper slip means can be set to anchor said pump barrel against upward motion by lowering the tubing after the pump has been anchored by said lower slip means against downward motion.

2,383,935

AIRCRAFT OR LIKE HOLLOW BODY WITH EXTERNAL REINFORCEMENT THEREFOR
Albert G. Dean, Narberth, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 23, 1943, Serial No. 491,926
5 Claims. (Cl. 244-117)

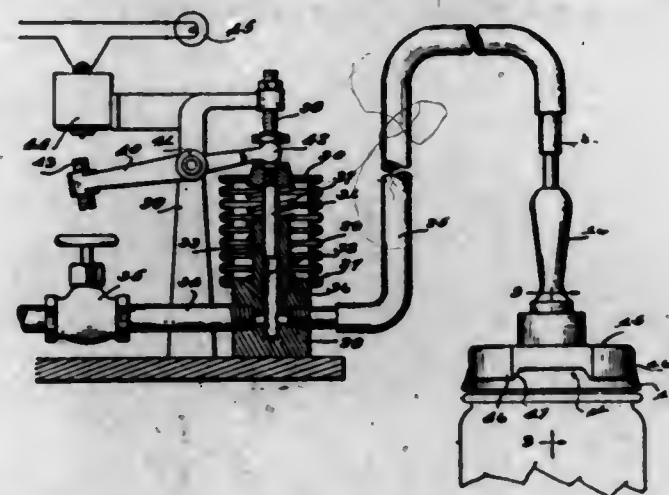


1. An airplane comprising, in combination, a tubular body the side walls of which are subjected to shear loads, an area of shear-taking deficiency in a side wall of the body imposing concentrated shear loads in an adjacent shear zone, which concentrated shear loads tend to produce lateral distortion in said shear zone, the side wall including heavy structural elements providing a heavily reinforced region longitudinally to one side of said area and light structural elements in said shear zone which are designedly made of sufficiently less strength than said heavy elements to make the side wall alone, at the shear zone, relatively free to distort laterally, and a wing structure comprising a main load-carrying portion directly secured to the structural elements of the body side wall in said heavily reinforced region and a portion extending, cantilever-like, longitudinally of the airplane from said main

load-carrying portion, spanning said shear zone and connected to the light structural elements of the body in said zone and having spanwise strength to resist the lateral distortion of said side wall in said zone.

2,383,936

VACUUM TESTING APPARATUS
John Hohl, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application January 13, 1943, Serial No. 472,292
9 Claims. (Cl. 73-40)



6. Apparatus for determining the pressure conditions within a sealed container, at least a portion of the enclosure forming the container being deformable under a pressure differential between the interior and exterior of the container, which apparatus comprises a testing head adapted to seat on a surface of the container, said head comprising a sealing disk having a sealing surface and formed with a main passageway extending from said sealing surface through said head, and auxiliary passageways spaced from said main passageway and extending from said sealing surface through said head, means providing a vacuum line extending to and including said main passageway, said auxiliary passageways being positioned and arranged to provide communication between said main and auxiliary passageways when said head is seated on said deformable portion of the container with the surface of said deformable portion held spaced from the said surface of the sealing disk by pressure conditions within the container, and pressure responsive means including a bellows communicating with said main passageway, and a signal device actuated by said bellows.

2,383,937

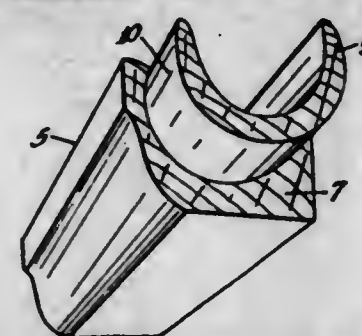
COMPOSITION FOR PRINTING FLEXIBLE MATERIALS

Roy Herman Klenle, Bound Brook, and Alfred Louis Peiker, East Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 21, 1941, Serial No. 379,998
10 Claims. (Cl. 260-13)

1. A colored emulsion, capable of coloring flexible materials such as fabrics and fibers, which comprises a water-in-oil type of emulsion, the oil phase of which comprises at least one organic solvent containing therein at least one water-insoluble, organic, film-forming, thermo-setting material, soluble in said solvent and capable of rapid setting at moderate temperatures, together with at least one elastomer; the amount of thermo-setting material being sufficient to produce an emulsion of printable consistency but in sufficient to materially stiffen textile fabrics colored with the emulsion and insufficient to cause adhesion to the application machinery.

2,383,938

SECTIONAL WOOD GUTTER
Neal T. MacKenzie, St. Paul, Minn., assignor to General Timber Service, Inc., St. Paul, Minn., a corporation of Delaware
Application October 20, 1943, Serial No. 507,219
3 Claims. (Cl. 108-28)



1. A gutter comprising channel-shaped, open-top sections disposed end to end and formed with telescoping male and female end portions respectively, said male end portion being substantially crescent shape in cross section and having inner and outer surfaces which converge upwardly at each side toward a top edge, the outer surface of said male end portion contacting an inner surface of said female end portion of the adjoining gutter section over an area extending through an angle greater than 180 degrees about the axis of said surfaces and the inner surface of said male end portion having an angular extent which is less than said outer surface, whereby the outer surface of said male end portion and the contacting inner surface of the female end portion cooperate to align said sections and to secure them against relative upward displacement, one with respect to the other, while the inner surface of said male end portion forms an upwardly flaring, unrestricted top opening.

2,383,939

TOY GUN
Robert W. Marshall, Santa Clara, Calif.
Application April 30, 1943, Serial No. 485,183
6 Claims. (Cl. 46-192)



1. A toy gun comprising a gun stock, a barrel attached thereto, and a handle adapted to be moved under the barrel and to and from the stock, said handle including means for making a noise when so moved.

2,383,940

TRACK FOR TOY VEHICLES
Walter Minner, Erfurt, Germany; vested in the Alien Property Custodian
Application September 23, 1940, Serial No. 357,839½. In Germany September 13, 1939
2 Claims. (Cl. 46-213)

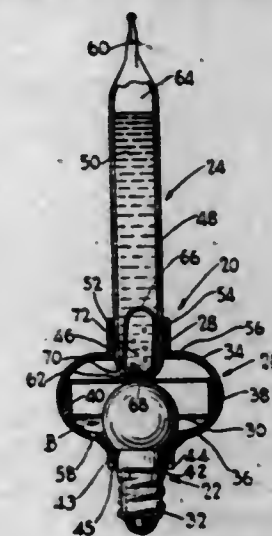


1. In a toy vehicle, a body, a swinging bumper extending across one end of the vehicle, an arm

fixed to the bumper adjacent one end and extending from the bumper longitudinally beneath the body, a pivot connecting the end of the arm to the vehicle, and a second bumper fixed to the remaining end of the vehicle and having its central portion projecting to engage the swinging bumper of a second and similar vehicle.

2,383,941

ORNAMENTAL ILLUMINATING DEVICE
Carl W. Otis, Rockville Centre, N. Y.
Application January 28, 1942, Serial No. 428,468
20 Claims. (Cl. 240-10)



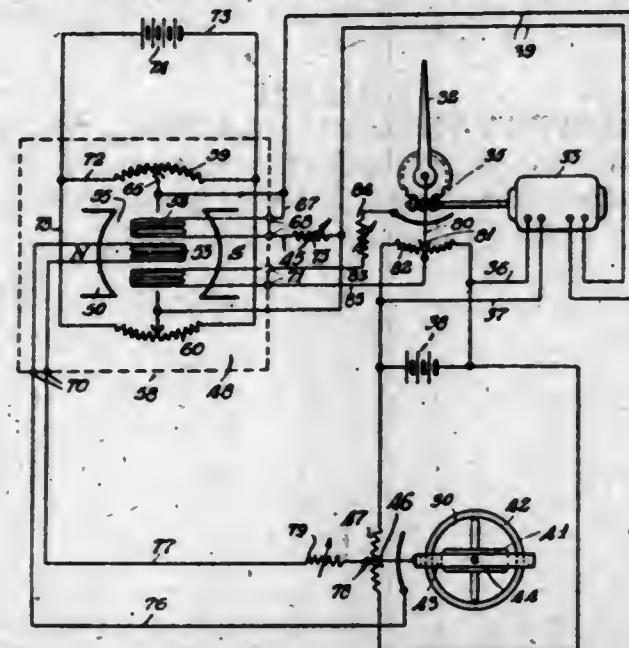
14. For use in an ornamental bubbling device having a source of heat, the combination of a hollow pellucid member, a body of a low boiling point liquid contained within said member, means within said member in the region where heat is applied for forming bubbles during running operation of said device, and means to initiate the formation of bubbles by said bubbling means, said second, named means comprising a second bubbling means also within said member in the region where heat is applied and below, separate and distinct from the first bubbling means, both said bubbling means being so relatively proportioned that said second bubbling means generate bubbles at a slower rate than said first bubbling means and of such physical characteristics that said second bubbling means initiates the generation of bubbles more rapidly upon the application of heat than said first bubbling means.

2,383,942

AUTOMATIC ELECTRICAL CONTROL MEANS
Albert Patin, Berlin, Germany; vested in the Alien Property Custodian
Application February 15, 1943, Serial No. 476,022
In Germany January 6, 1938
22 Claims. (Cl. 172-282)

21. In a steering system for a craft comprising steering means for said craft, electrically controlled operating means for said steering means, a directional member mounted on said craft and adapted to maintain its direction when the craft changes its direction, a resistance and contact controlled by said member in accordance with the change of the direction of the craft, and a circuit including a source of electric current connected with said resistance and said contact, the improvement which consists in a relay between said directional member and said steering means and comprising an electromagnetic device including first means affording a magnetic field, a first conductor and a second conductor mechanically connected with each other and both movable in said field said first and second conductors tending when energized by electric current to produce magnetic fields to turn relatively to said first

means, a resistance and a contact slidable on said resistance and normally engaging the same at a point intermediate its ends, a source of electric current, a first circuit including said resistance, said contact, said first conductor, and said source of electric current in a manner to cause return of said electromagnetic device into normal position

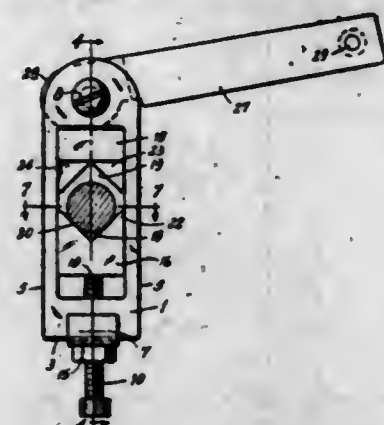


when the circuit is closed, a second circuit connecting said first contact, said source of electric current, and said electrically controlled operating means for said steering means, and a third circuit connecting said second conductor with said resistance and said contact controlled by said directional member.

2,383,943

GRINDER OR TURNING LATHE DOG

Alfons F. Prange, St. Louis, Mo.

Application November 8, 1943, Serial No. 509,385
3 Claims. (Cl. 82-42)

1. A device of the character described comprising two separable duplicate metallic parts forming a frame, a supporting device engaging and holding one end of said parts in rigid relationship to form said frame, a clamping member adjustably supported in said frame by said device, a pivot holding the opposite ends of said parts in rigid relationship to form said frame, a clamping block supported in said frame for sliding movements toward and from said member, a cam lever supported for swinging movements on said pivot for holding said clamping block clamped against an article extending between said member and said block, and a spring connecting said block with said pivot for moving said block away from said clamping member to release said article.

2,383,944

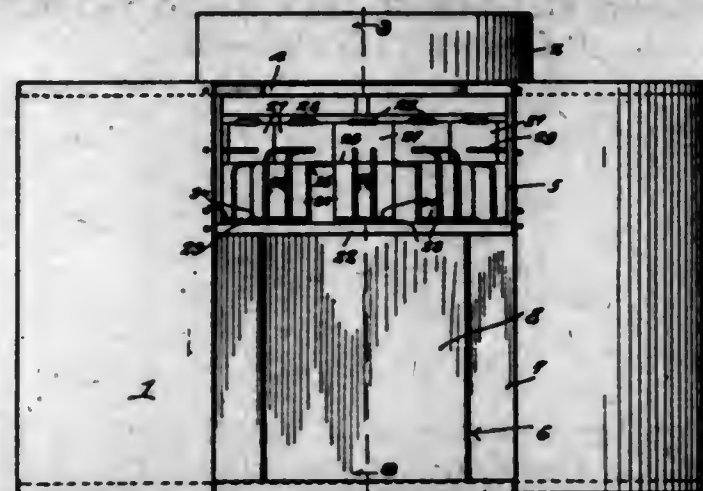
ROTARY FILE

Frank H. Saltz, La Crosse, Wis.

Application July 8, 1943, Serial No. 493,915
7 Claims. (Cl. 45-3)

5. In a file, the combination with a stationary housing having an opening in the front wall there-

of, of a desk including a rotatable top mounted within the housing and exposed through and across the opening, said top dividing that portion of the interior of the housing adjacent to the front opening into an upper work recess and a

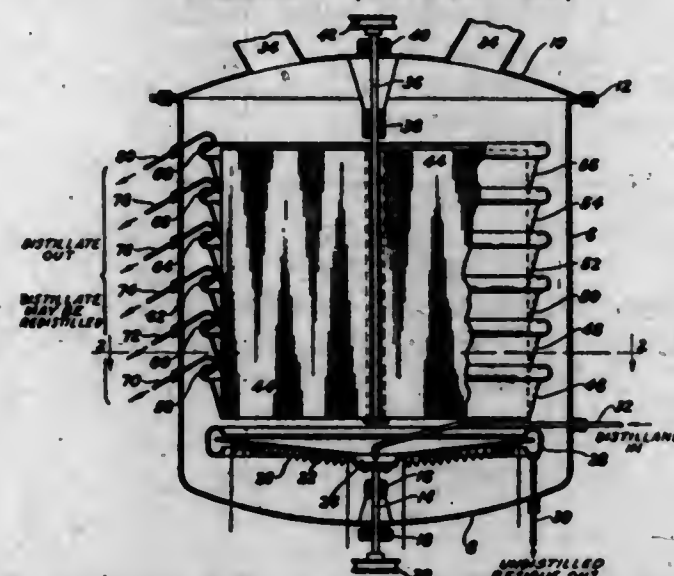


lower knee-hole recess, and an annular series of card-holding units radially disposed upon the desk top and movable therewith into the work recess for successive exposure through the opening in the housing.

2,383,945

VACUUM DISTILLATION PROCESS AND APPARATUS

Edgar M. Shantz, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of New Jersey

Application September 26, 1942, Serial No. 459,794
7 Claims. (Cl. 202-52)

1. The process of high vacuum unobstructed path distillation which comprises in combination vaporizing distilland by flowing it over a vaporizing surface; separately condensing these vapors according to their velocity upon a plurality of rotating condensing vanes which are positioned at successively greater distances from the vaporizing surface, which are separated from the vaporizing surface by substantially unobstructed space and which are rotated in a direction approximately at right angles to the direction of flow of a substantial portion of the vapors and at such a speed that the heavier vapors are caused to impinge and condense upon the vanes nearest the vaporizing surface and the lighter vapors upon the vanes farthest from the vaporizing surface and separately withdrawing condensate from the different vanes.

2,383,946

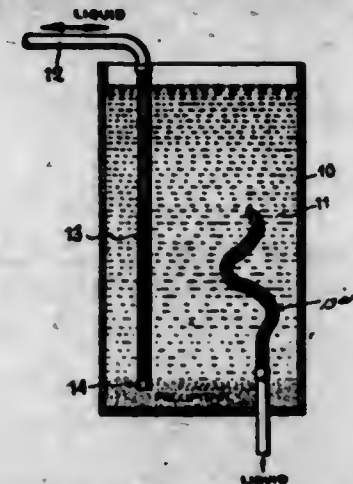
METHOD AND APPARATUS FOR FLUID CONTACT

Chester Tietig, Covington, Ky.

Application October 9, 1941, Serial No. 414,291
3 Claims. (Cl. 23-1)

1. The process of reacting potentially reactive fluids which comprises immersing a relatively light

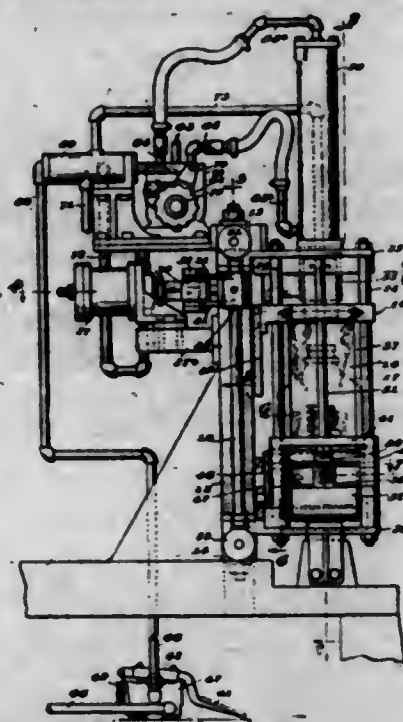
flexible porous tube in a body of one of the fluids to be reacted with one of its ends free for thrashing movement therein, passing another fluid under pressure through the tube and controlling the escape from the tube of a portion of said latter fluid relatively to the normal escape of the remainder of the fluid through the pores of the tube while maintaining the pressure of the fluid in the tube sufficiently high for imparting a thrashing movement to the free end of the tube



to effect intimate contact of said other fluid passing through the pores of said tube with the surrounding fluid.

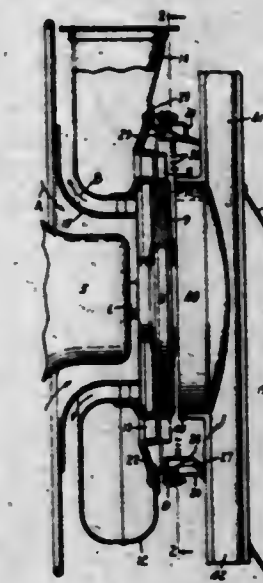
3. A tube for contacting potentially reactive fluids, said tube being composed of a relatively light, woven fabric, porous over most of its area and flexible substantially throughout its length, and means for coupling one end of said tube to a fluid-supply pipe, said tube having a non-porous area of appreciable extent along one of its sides.

2,383,947

DECORATING MACHINEPage Wensel, Harry L. Whisner, and Robert H. Rugh, Clarion, Pa., assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application April 28, 1943, Serial No. 484,802
13 Claims. (Cl. 101-123)

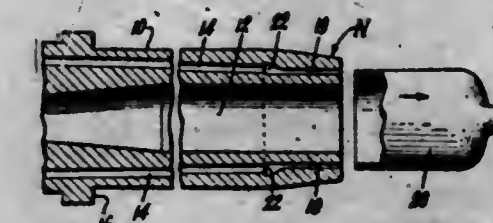
1. Decorating apparatus comprising a pair of upright screen carriers, screens mounted on said carriers in upright position and in horizontally-spaced relation, means for mounting said carriers for swinging movement about vertical axes, a holding device for holding a work-piece centered between the screens, squeegees individual to the screens, carriages on which the squeegees are mounted, said carriages being mounted for vertical sliding movement on the screen carriers, and piston motors mounted on said carriers and comprising vertical piston rods directly connected to the said carriages for moving the carriages up and down.

2,383,948

GAS TURBINEJoseph S. Alford, Nahant, Mass., assignor to General Electric Company, a corporation of New York
Application January 22, 1943, Serial No. 473,201
5 Claims. (Cl. 253-39)

1. In a gas turbine, a turbine wheel, a flight-hood, a wall surrounding the turbine wheel with which the entrance end of the flight-hood has a sliding fit, means defining a sealing chamber adjacent to engaging parts of said wall and flight-hood, means comprising openings in the entrance end of the flight-hood for supplying to said chamber gases exhausting from the turbine wheel to build up a positive pressure in said sealing chamber, and means for rigidly supporting an intermediate portion of the flight-hood.

2,383,949

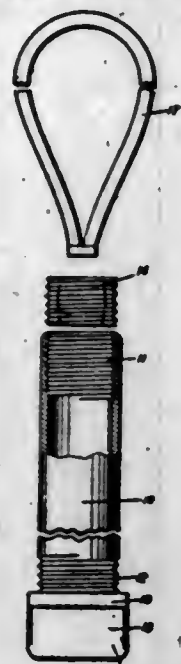
METHOD OF MAKING BLOWPIPE NOZZLESPeter R. Aronson, Kenmore, N. Y., assignor to Union Carbide and Carbon Corporation, a corporation of New York
Application November 29, 1939, Serial No. 306,596
8 Claims. (Cl. 29-157)

1. A method of making from a single piece of ductile metal a unitary blowpipe nozzle having an annular discharge orifice, which comprises, forming a series of gas passages within a body of ductile metal, said passages being disposed in an annular zone about the longitudinal central axis of said body; forming an annular groove of substantial depth within the discharge end of said body, said annular groove being in communication with each of said gas passages and being of sufficient diameter and thickness to include said gas passages; inserting into said annular groove a tubular mandrel of less thickness than said groove; and cold-working the discharge end of said ductile metal body while the latter houses said mandrel, so as to force the outer wall of the groove into continuous contact with the outer surface of the mandrel and to reduce the thickness of said groove to that of the wall of said tubular mandrel, and thereafter removing the mandrel from said groove.

2,383,950

MOORING DEVICE

Albert Ballman, United States Navy
Application February 16, 1945, Serial No. 578,276
4 Claims. (Cl. 189-90)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A mooring device adapted to be imbedded in a solid medium and comprising a hollow housing provided with retaining means for said medium and an inner threaded portion at one end, a threaded member engaging said inner threaded portion and positionable substantially flush with the end of said housing, said member having longitudinal recesses therein, and an extensible loop engaging said recesses of said member and movable into and out of said housing.

2,383,951

WELDROD HOLDER AND EJECTOR

Lyman C. Bass, Lake Grove, Oreg.
Application October 30, 1943, Serial No. 508,328
9 Claims. (Cl. 219-8)



1. A weldrod holder comprising a rod holding member having a longitudinally disposed rod receiving recess to receive the end of a weldrod and a power lead connection, clamping means transversely disposed relative to the recess and having an opening through which said rod passes to hold a rod in the recess in said member, and spring ejector means aligned with the rod receiving recess and operable on release of said clamping means positively to eject a rod stub from the recess.

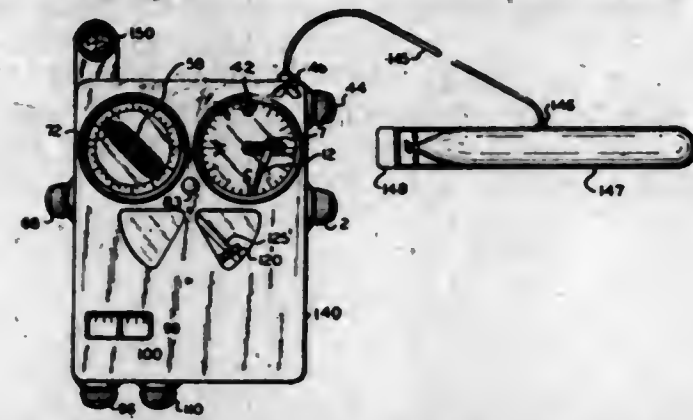
2,383,952

COMPUTING SIGHT FOR GLIDING TORPEDOES

Mortimer F. Bates, Brooklyn, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application July 15, 1942, Serial No. 451,087
14 Claims. (Cl. 33-46.5)

1. In a sight for launching a gliding underwater torpedo from an aircraft, means mounted on the craft defining a line of sight, means for stabilizing said line against rotation of the craft about an axis thereof, a computing mechanism having means for orientating members therein in accordance with predetermined air and water

paths of the torpedo and for determining therefrom the direction of said line at the instant of torpedo release, and means actuated by said mechanism for presetting the direction of said



line of sight in accordance with said computed orientation, the subsequent sighting of the target along said line serving as a signal for the release of the torpedo.

2,383,953

DRILL GUIDE

Charles L. Beard, Lancaster, Pa.
Application June 6, 1944, Serial No. 538,914
2 Claims. (Cl. 77-62)

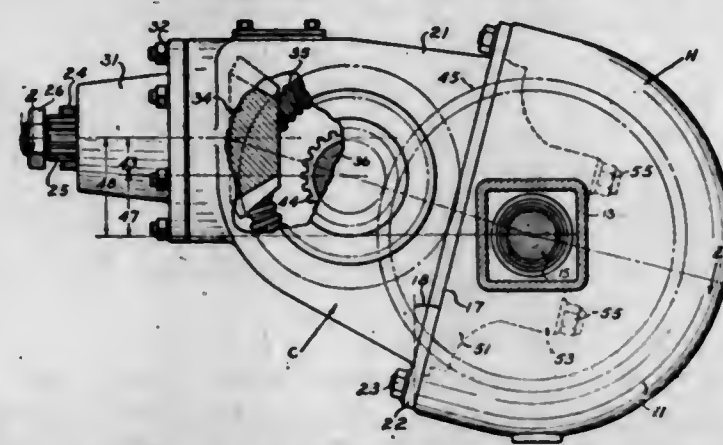


1. A tool for removing rivets comprising a plurality of resilient fingers pivotally connected together at their inner ends for independent pivotal movement, a guide member secured to the opposite end of each finger, said guide members each formed with a concentric substantially concave depression in its bottom face and a vertically disposed concentric guide aperture communicating with said concave depression.

2,383,954

DRIVE AXLE

Lawrence R. Buckendale, Detroit, Mich., Nelson R. Brownier, Shaker Heights, Ohio, and Beverly W. Keese, Oshkosh, Wis., assignors to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application November 20, 1942, Serial No. 466,372
6 Claims. (Cl. 74-314)

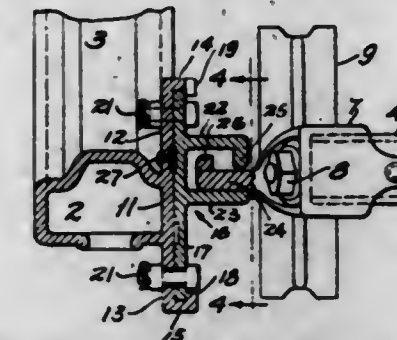


1. In a drive axle, an axle housing; a pair of axle shafts in said axle housing; an auxiliary housing secured to the front of said axle housing along a plane disposed substantially parallel to said axle shafts; a countershaft in said auxiliary housing above said axle shafts; gear means for transmitting power from said countershaft to said axle shafts, the axis of said countershaft being parallel to the vertical plane containing said axle shafts and displaced therefrom in the direction of said drive shaft; a drive shaft mount-

ed for rotation in said auxiliary housing at a higher level than said countershaft; and gear means comprising intermeshing hypoid bevel gears for transmitting power from said drive shaft to said countershaft.

2,383,955

RAILWAY TRUCK BRAKE BEAM SUPPORT
Edwin G. Busse, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application September 27, 1943, Serial No. 503,865
17 Claims. (Cl. 188-207)

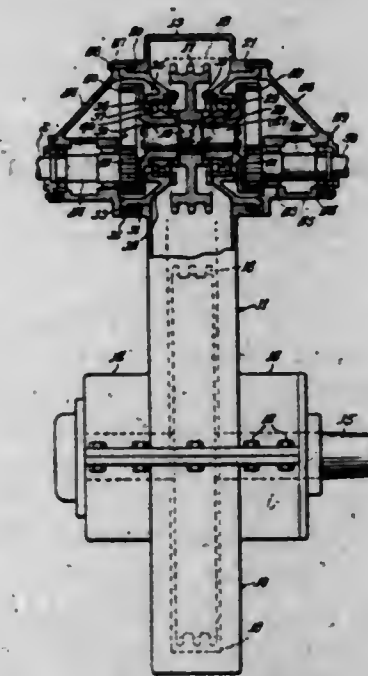


1. In a railway truck, a truss type side frame, the inner side of the lower portion of the tension member of the frame having extensions projecting downwardly and upwardly from the member proper and being provided with an upwardly facing element, and a bracket seated on said element and detachably secured to the extension above said element and including vertically spaced parts projecting away from the side frame to support and guide the end of a brake beam abreast of the side frame.

2,383,956

REDUCTION GEAR

Ralph E. Cherry, Detroit, Mich., and Norman C. Bremer, Ithaca, N. Y., assignors to Morse Chain Company, Ithaca, N. Y., a corporation of New York
Application December 24, 1943, Serial No. 515,530
14 Claims. (Cl. 74-389)



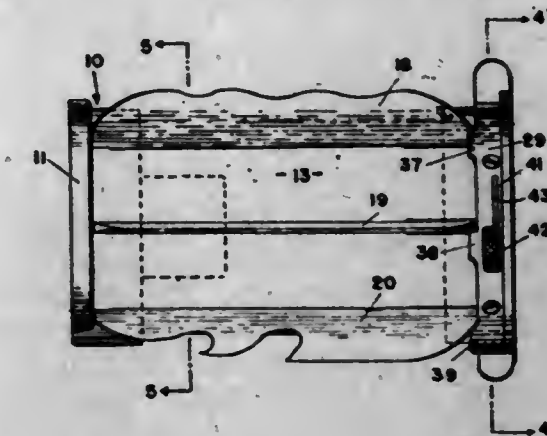
1. A speed reducer comprising a chain and sprocket reducing assembly that includes a sprocket pinion shaft; a carrier having a ring gear mounted on and rotatable with said shaft; and a readily replaceable unitary assembly comprising a spur gear in mesh with said ring gear and disposed with its axis eccentric to the axis of said pinion sprocket shaft; and means for supporting and rotating said spur gear, said unitary assembly being readily removable from op-

578 O. G.-4

2,383,957

WEAPON

Bernard J. Cosneck, St. Louis, and Benny J. Kessler, Clayton, Mo.
Application February 15, 1944, Serial No. 522,516
16 Claims. (Cl. 30-296)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

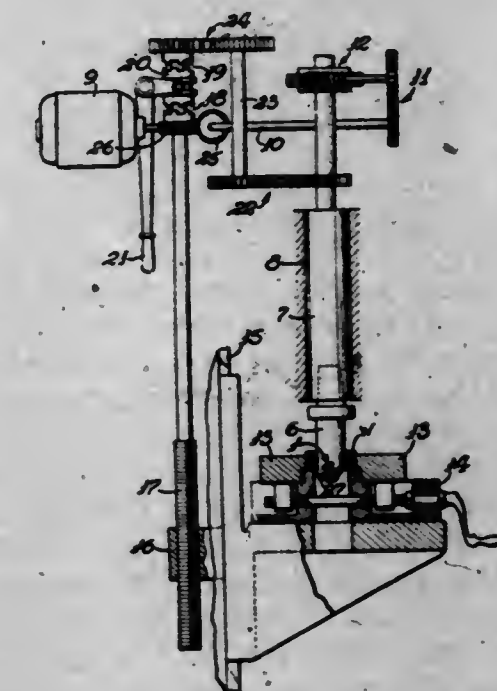


1. A weapon adapted to be carried on the forearm comprising a frame, a plurality of blades pivotally mounted thereon longitudinally thereof, and means for locking said blades in operative position.

2,383,958

MACHINE FOR BORING

Gerard A. De Vlieg, Rockford, Ill.
Application July 25, 1942, Serial No. 452,273
25 Claims. (Cl. 77-4)

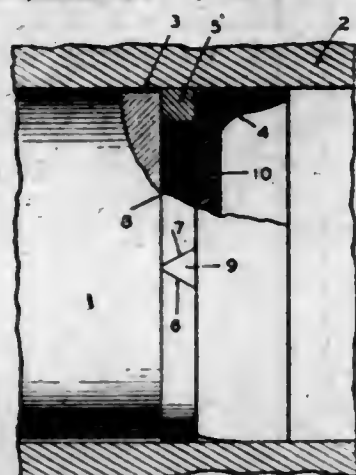


1. A machine for boring a work piece having, in combination, a support for said work piece, a tool support, means mounting said supports for relative rotation about the work axis and for relative movement therealong, a cutter disk rigid with said tool support and having a circular peripheral cutting edge only slightly smaller than the rough work bore and disposed in a plane inclined more than forty-five degrees to said axis, said disk being offset laterally from said axis according to the thickness of the layer to be removed from the work, and power driven mechanism for relatively moving said supports axially at a feed rate and simultaneously relatively rotating the supports in a direction to cause removal of a helical layer from the work piece.

2,383,959

PISTON SEALING MEANS

Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application January 7, 1944, Serial No. 517,356
11 Claims. (Cl. 309—33)

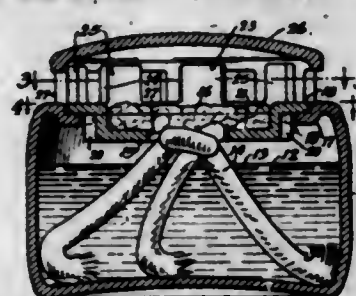


1. In apparatus of the class described, a cylinder, a piston therein, a packing member associated with the piston head and the cylinder wall, a split ring having a cross-sectional shape to engage the cylinder wall and the piston head surface adjacent its periphery, said ring being positioned between the piston head and the packing member, and yieldable material concentrically disposed in said ring having a portion thereof interposed between the adjacent ends of the ring.

2,383,960

VAPORIZING DEVICE

Charles F. J. Dupuy, Mahwah, N. J., assignor to O-Cedar Corp'n, Chicago, Ill., a corporation of Illinois
Application February 28, 1944, Serial No. 524,164
5 Claims. (Cl. 299—20)



1. A vaporizing device comprising a liquid container having an open top, an upstanding peripheral flange at the top of the container formed with a series of spaced apertures, a porous pad supported adjacent the top of the container interior to the flange with its upper surface below the bottoms of the apertures, a capillary member depending from the pad into the container, a cover rotatably supported on the container, and a depending peripheral flange on the cover overlying the first named circular flange and formed with a series of spaced apertures variably to register with the first named apertures as the cover is turned.

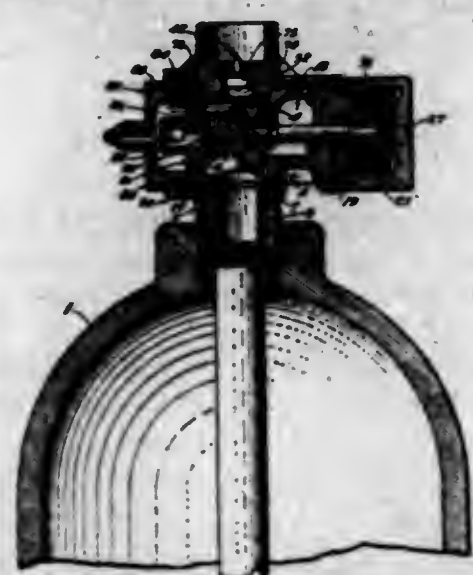
2,383,961

FLUID RELEASE DEVICE

Walter H. Freygang, Essex Fells, N. J., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application November 13, 1941, Serial No. 418,920
12 Claims. (Cl. 137—139)

5. A pilot valve controlled high pressure fluid medium release device comprising a valve body having an inlet and an outlet and having a valve chamber provided with a lateral wall, a main valve in said chamber for controlling said outlet, said lateral wall being formed with a recess

terminating adjacent said main valve and having a valve seat, and a pilot valve freely mounted

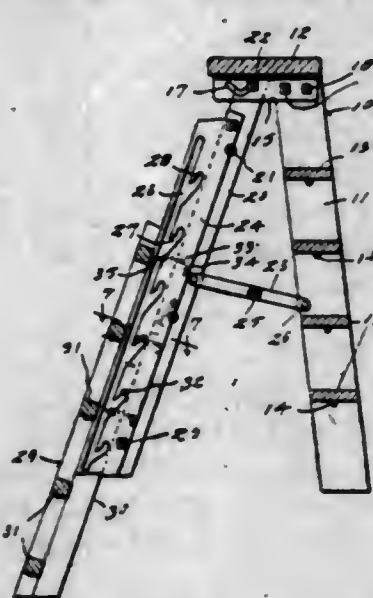


in said recess and adapted to be retained in said recess by said main valve.

2,383,962

EXTENSION STEPLADDER

John H. Glover, Chicago, Ill.
Application May 3, 1944, Serial No. 533,962
5 Claims. (Cl. 228—21)



1. A device of the class described comprising a step section, legs pivoted to said section, bars secured to said legs having slots provided with branches, an extension section, and said extension section having a rod extending across the same and movable in said slots and branches to position and secure the extension in adjusted positions.

2,383,963

METHODS OF TREATING FURS

Steven S. Gottfried, New York, N. Y.; Eva E. Gottfried, administratrix of said Steven S. Gottfried, deceased, assignor to Bureau for Financial Advice, Inc., New York, N. Y., a corporation of New York
No Drawing. Application September 19, 1941, Serial No. 411,594
1 Claim. (Cl. 8—94.14)

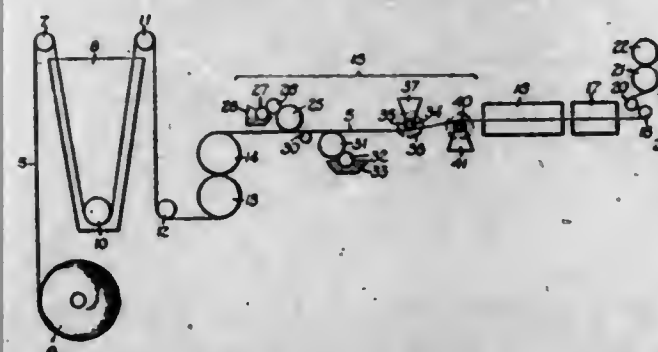
In the method of permanently uninking the hair or wool material on sheepskin; the steps of steeping said material into a bath containing a halogenating substance capable of impregnating the pores of and halogenating said hairs by causing a reaction between said halogenating substance and constituents contained within the hairs, then subjecting said material to resinoid forming means capable of leaving about .7 per cent concentration in the hairs and allowing said means to react with said previously halogenated hairs, further treating said hairs by straightening and combing the same, and finally ironing

said hairs, thereby imparting heat and pressure thereto to produce with said relatively low concentrated resinoid forming means a condensation product in said hairs.

2,383,964

COATING METHOD AND APPARATUS

William F. Grupe, Lyndhurst, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application April 15, 1941, Serial No. 388,573
6 Claims. (Cl. 117—7)



1. A method of continuously coating a side of a traveling strip of metal with a thin and uniform layer of a coating material, which comprises maintaining said strip under tension; covering one side of said strip with an excess of the coating material; and bending said strip transversely through an angle of from 3° to 30° by breaking the strip and drawing it over a small diameter bar with the coated side in contact with said bar, the amount of tension and the angle of bend being sufficient to cause said strip to become entirely flat along the line of bend, so as to obtain complete contact between said strip and said bar throughout the width of said strip, but insufficient to cause a permanent deformation of said strip.

2,383,965

PROCESS FOR THE CONDENSATION OF KETENE WITH KETONES

Bernard H. Gwynn, Oakmont, Pa., and Edward Franklin Degering, La Fayette, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application September 23, 1942, Serial No. 459,448
10 Claims. (Cl. 260—488)

1. In a process for the production of enol acetates by the condensation of ketene with ketones, the step which comprises introducing ketene into a ketone selected from the group consisting of acetone, mesityl oxide, acetophenone, diisobutyl ketone, methyl ethyl ketone, cyclohexanone, methyl isobutyl ketone, methyl benzyl ketone, methyl amyl ketone, in the presence of sulfuric acid.

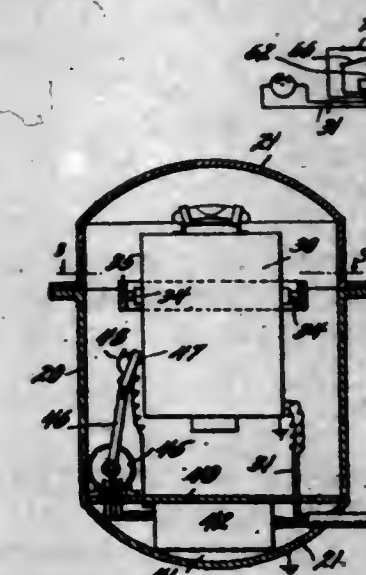
2,383,966

GEOPHYSICAL PROSPECTING APPARATUS

Arthur F. Hasbrook, San Antonio, Tex., assignor to Olive S. Petty, San Antonio, Tex.
Application March 18, 1943, Serial No. 479,631
11 Claims. (Cl. 73—382)

1. Apparatus for geophysical prospecting on the floors of bodies of water comprising, in combination, a water-tight housing, means to support the same rigidly on such a floor, a cased geophysical instrument in said housing, gimbals supporting the instrument casing for self-leveling within the housing, a plurality of clamping devices each including means adapted to be extended between the housing and casing to lock them against relative movement, a motor adapted

to move each of said means slowly, a control to start the motors from the water surface, and



means to stop each motor automatically when its clamping means contacts one of the parts to be clamped together.

2,383,967

COMBINATION COMB AND BRUSH

Lon Hernon, Chicago, Ill.
Application January 18, 1943, Serial No. 472,695
9 Claims. (Cl. 132—88)



7. In a combined comb and brush of small compact size capable of being carried in a pocket or purse, the combination of a main body portion, a row of comb teeth projecting downwardly from one edge of said body portion, a plurality of rows of brush bristles projecting downwardly from said body portion in substantially parallel relation to said comb teeth, said brush bristles being set singly in single file rows substantially aligned behind said comb teeth, the lower ends of said brush bristles extending substantially beyond the level of the lower ends of said comb teeth, whereby the comb teeth are adapted to create furrows in the hair and the brush bristles are adapted to follow in these furrows and engage the scalp with a resilient flexing pressure, said comb teeth also functioning as a gauge to minimize the likelihood of the bristles pressing too severely against the scalp, a rat-tail handle portion extending from said body portion substantially in the same plane with and in prolongation of said row of comb teeth, and a trailing edge mirror mounted in the rear edge of said body portion and inclined upwardly and outwardly relatively to the plane of said comb teeth, said mirror enabling the user to observe the action of the comb teeth and bristles on the hair by viewing the image thereof appearing in said trailing edge mirror and as reflected from a secondary mirror.

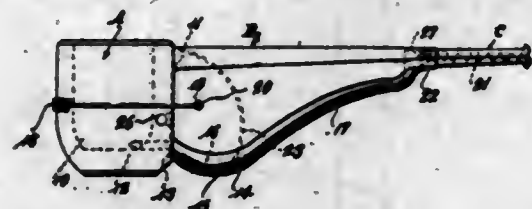
2,383,968

TOBACCO PIPE

Meier George Hilpert, Bethlehem, Pa.
Application June 3, 1940, Serial No. 338,649
11 Claims. (Cl. 131—214)

1. A pocket tobacco pipe comprising, in combination: a bowl; a stem comprising a smoke duct in communication with said bowl and external thereto; said stem being detachable from said

bowl at an opening into said duct; a bit carried by said stem; the internal dimensions of said



opening and duct being such as to provide for access of a smoker's finger to all points upon the inner surface of said duct.

2,383,969

PERMANENT MAGNET STEEL

David R. Howerton, Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application December 23, 1941, Serial No. 424,126

2 Claims. (Cl. 75-126)

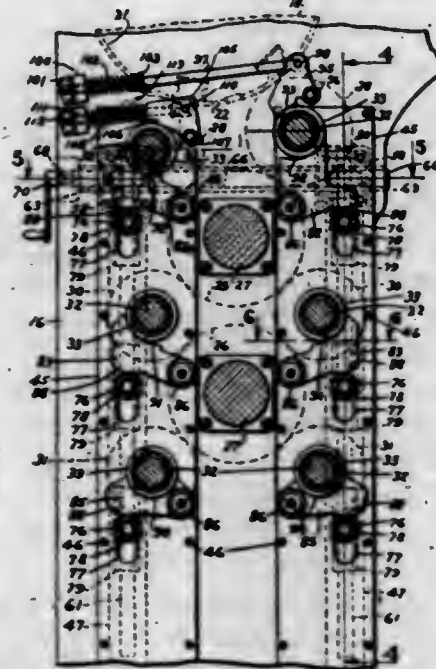
1. A permanent magnet steel comprising 11-13% cobalt, 16-18% molybdenum, .5-1% tungsten, .05-5% chromium, a maximum of .04% carbon and of .10% silicon, .30-50% manganese, and the rest iron.

2,383,970

INK DISTRIBUTING MECHANISM

William F. Huck, Richmond Hill, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application June 15, 1942, Serial No. 447,091

25 Claims. (Cl. 101-352)

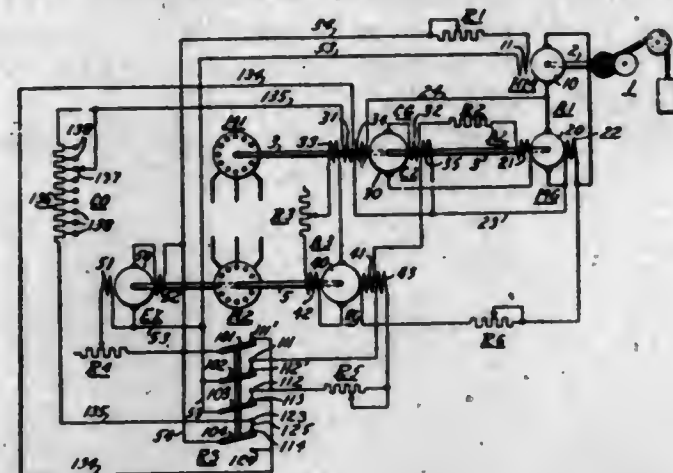


1. In an inking mechanism for a printing machine having a cylinder, a roller adapted for cooperable engagement with the cylinder, a bearing at each end of the roller and each bearing having a component whereby the roller is rotatably supported, means for engaging the said component of each bearing to hold the roller against axial movement but permitting floating transverse movement of the roller, movably-supported members each having an open arcuate supporting surface shaped to engage the said component of each bearing and move the roller transversely into operable engagement with the cylinder and to support the roller in operable engagement with the cylinder and also support the roller in a position away from engagement with the cylinder, and means for moving the said movably-supported members to move the roller into operable engagement with the cylinder or to permit movement of the roller away from engagement with the cylinder.

2,383,971

VARIABLE VOLTAGE CONTROL

Joe G. Ivy, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 29, 1943, Serial No. 496,596
24 Claims. (Cl. 172-239)



24. A variable voltage drive comprising a drive motor, a main generator having an armature circuit connected to said motor and a main generator field winding for controlling the voltage of said circuit, a control generator having a self-excited voltage-sustaining field winding and a current limiting field winding and further field winding means, operator-controlled circuit means for providing an adjustable pattern voltage and circuit means for providing a control voltage variable in accordance with the speed of said motor, said circuit means being both connected with said field winding means so as to cause them to produce in said control generator a field excitation in accordance with the differential effect of said pattern voltage and control voltage, a regulating generator with saturably shunted field poles for generating abruptly increasing output voltage in dependence upon the passing of its field excitation through a shunt-saturating value, said regulating generator being connected with said current limiting field winding so as to impress said output voltage thereon for reducing the resultant field excitation of said control generator accordingly, and circuit means for supplying field excitation to said regulating generator in dependence upon the load current of said motor.

2,383,972

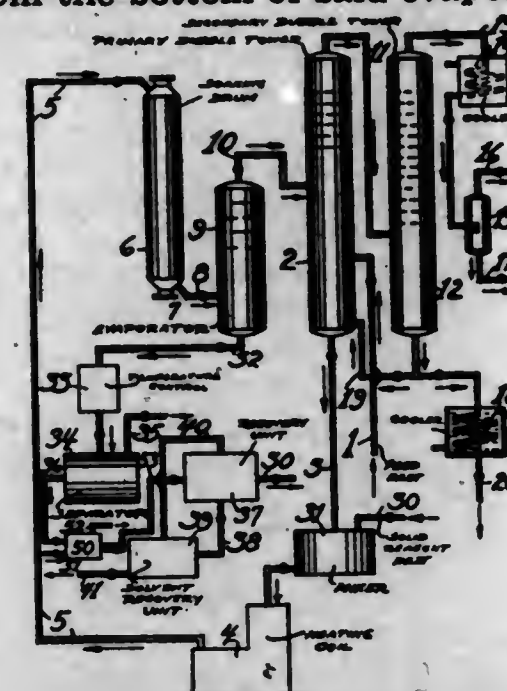
RECOVERY OF VANADIUM AND NICKEL FROM PETROLEUM

Minor C. K. Jones, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 12, 1940, Serial No. 340,016

4 Claims. (Cl. 23-22)

1. Process for the removal and recovery of metallic constituents of the class consisting of molybdenum, vanadium, nickel and zinc from petroleum oils containing the same, and for the production of relatively higher and relatively lower boiling petroleum oil constituents by cracking, which comprises mixing the said petroleum oil with a solid reagent selected from the class of naturally occurring hydrated alkali metal aluminum silicates of the zeolite type, passing the feed oil through heating means adapted to raise the oil to the desired cracking temperature and pressure level, maintaining the feed oil under the desired conditions for the optimum time period, then passing the same through a pressure release valve into an evaporator adapted to concentrate a relatively small quantity of the relatively higher boiling constituents, removing the relatively

higher boiling constituents along with the solid reagent containing the desired metallic constituents from the bottom of said evaporator, physi-



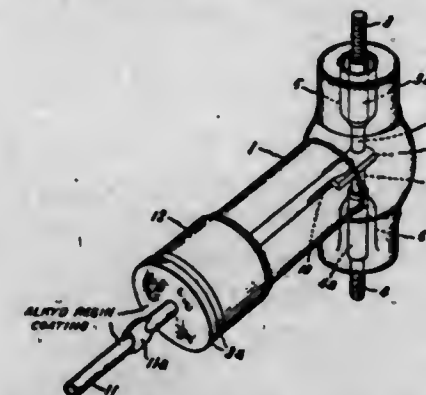
cally separating the relatively higher boiling constituents from the solid reagent containing the metallic constituents, and recovering the metallic constituents therefrom.

2,383,973

ELECTRIC VACUUM SWITCH

William L. Jones, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 27, 1943, Serial No. 480,745

2 Claims. (Cl. 200-144)



1. A vacuum switch for high voltage, high frequency circuits comprising an evacuated glass casing, a thin metal diaphragm composed of an iron, nickel and cobalt alloy forming a flexible wall portion of said casing, circuit controlling contacts separable within said casing, means connecting one of said contacts to said diaphragm whereby said contact can be operated by means exterior to said casing, structure composed of the aforesaid alloy for joining said diaphragm to said glass casing, and a protective and insulating coating comprising an alkyl resin extending continuously over the exterior of said diaphragm and to said joining structure.

2,383,974

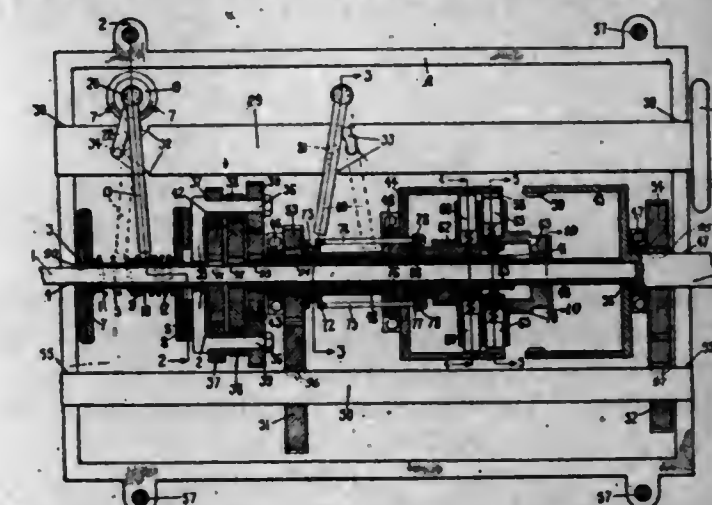
TRANSMISSION

Vernon Kinser, Detroit, Mich.

Application April 14, 1943, Serial No. 483,067
7 Claims. (Cl. 74-279)

1. In a variable speed transmission of the kind described, in combination, a drive shaft, a driven shaft, a revoluble member mounted for independent revolution with respect to said drive and driven shafts, braking means adapted to restrain said revoluble member against rotation, clutching means disposed for clutching engagement between said revoluble member and one of said shafts, a link swingable for alternate operation

of said braking and clutching means, for varying the speed of said revoluble member, said link including a pair of cam faces oppositely disposed with respect to each other, a swingable member including an arm, cam follower means splined to said swingable member against independent rotation and yieldingly held against one or the other of said pair of cam faces for operation of said link by said swingable member, a pair of revoluble members mounted for independent revolution with respect to said drive and driven shafts, a gearing arrangement adapted to connect one of said shafts and said revoluble



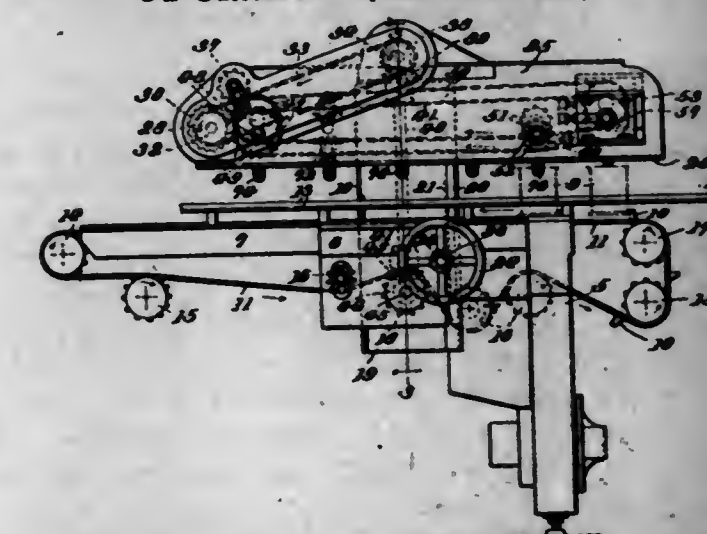
member to said pair of revoluble members and, in a manner to reverse the direction of speed change of said pair of revoluble members with respect to each other responsive to speed changes of said revoluble member, mechanism including means shiftable for alternately connecting one or the other of said pair of revoluble members to the other of said shafts, and controlling means adapted both to actuate the arm of said swingable member for operative engagement between said cam follower means and one of the other of said cam faces for operation of said link and to operate said shiftable means.

2,383,975

APPARATUS FOR DISPLACING AIR FROM FILLED CONTAINER HEAD SPACES

Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application April 1, 1943, Serial No. 481,500

34 Claims. (Cl. 226-68)



1. In a machine of the character described, means for feeding open liquid filled containers along a straight line, gas delivering elements, endless chain means for supporting said elements and means for moving said chain means through a definite path effective to cause said elements to move down into gassing relation in the head spaces in the containers then move along a distance with the containers while maintaining said relation and then upwardly away from said containers.

2,383,976 ALLOYS

Robert H. Leach, Fairfield, Conn., assignor to Handy & Harman, New York, N. Y., a corporation of New York
No Drawing. Application September 26, 1942, Serial No. 459,833

4 Claims. (Cl. 75-173)

1. An alloy which consists of silver ranging from about 44% to about 47½%, copper in an amount such that the ratio of silver to copper varies between about 2.6 and about 3.5, and zinc and cadmium in an aggregate amount not exceeding about 40%, with the zinc to cadmium ratio varying from about 0.9 to about 1.2.

2,383,977

α-ANILINE-N-d-RIBOFURANOSIDE AND PROCESS FOR THE MANUFACTURE THEREOF

John Lee, Essex Fells, and Leo Berger, Nutley, N. J., assignors to Hoffmann-La Roche, Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application September 30, 1943, Serial No. 504,446

4 Claims. (Cl. 260-211)

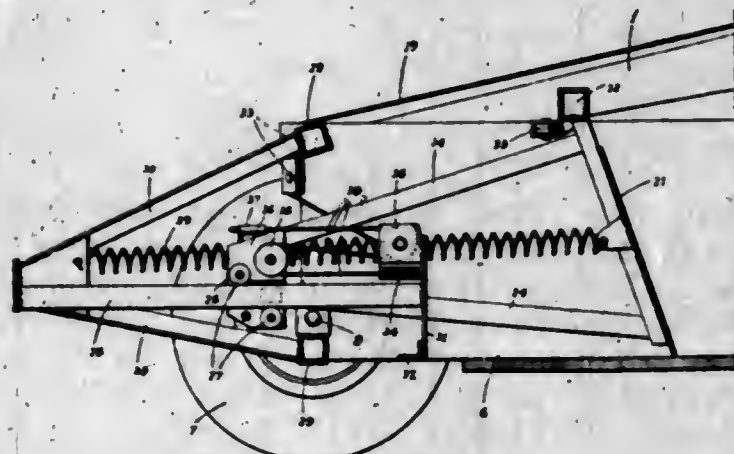
1. α-Aniline-N-d-ribofuranoside.

2,383,978

SCRAPER TAIL-GATE MOUNT AND CONTROL

Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application January 17, 1944, Serial No. 518,529

6 Claims. (Cl. 37-126)



1. An actuating mount for a scraper bowl tailgate, comprising a carriage disposed rearwardly of the tailgate, means mounting said carriage for guided longitudinal movement, means connecting the tailgate and carriage for movement as a unit, and means to positively advance and retract said carriage and tailgate unit; said connecting means comprising upper and lower pairs of transversely spaced arms fixed in connection with the tailgate at points substantially adjacent the four outer corners thereof, and projecting rearwardly in converging relation both in a horizontal and vertical plane.

2,383,979

INTERNAL-COMBUSTION MOTOR

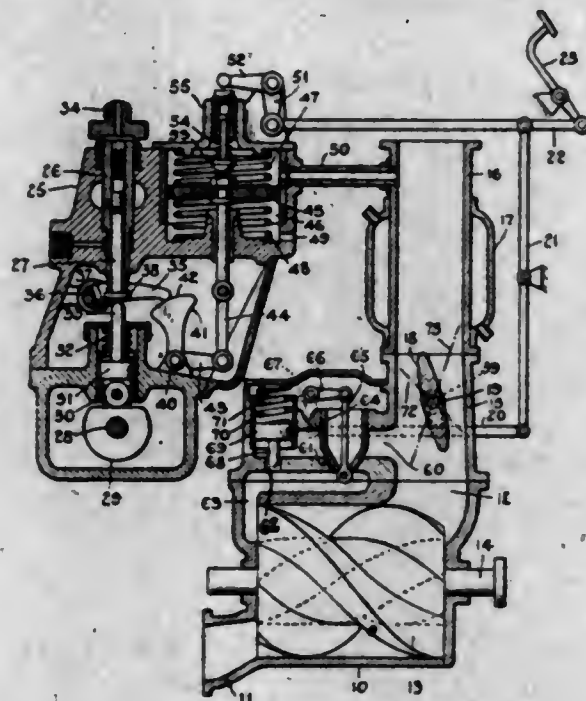
Alf Lysholm, Stockholm, Sweden, assignor to Aktiebolaget Milo, Stockholm, Sweden, a corporation of Sweden

Application April 17, 1942, Serial No. 439,300
In Sweden October 30, 1939

15 Claims. (Cl. 60-13)

4. The combination, with an internal combustion engine having an air induction conduit, a throttle valve in said conduit and a regulable

fuel supplying device for supplying metered quantities of fuel to the engine, of a positive displacement compressor for delivering air under pressure to said throttle valve, a first control means responsive to variations in the pressure in said conduit on the engine side of said throttle for regulating said device, a second control means for regulating said device, and said throttle, one of said control means operating as the primary control for governing the fuel mixture during periods of stabilized engine operation and the other of said control means operating to overrule said



primary control means during quick acceleration periods to insure proper mixture control during such periods of acceleration, and a control valve operative to govern the amount of air delivered by said compressor to said throttle valve, said control valve being operated by said second control means.

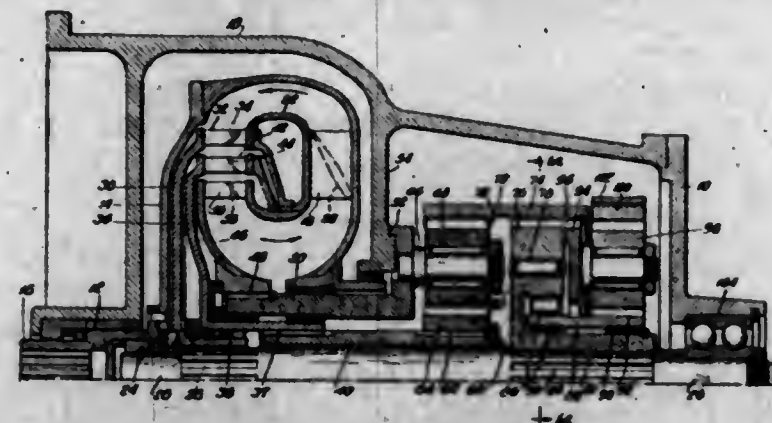
8. Apparatus according to claim 4 in which said compressor is driven by an exhaust gas turbine operated by exhaust gas from said engine and said control valve controls the proportion of the momentarily available exhaust gas delivered to the turbine.

2,383,980

VARIABLE-SPEED POWER TRANSMISSION

Alf Lysholm, Stockholm, Sweden, assignor, by mesne assignments, to Jarvis C. Marble, New York, N. Y., Leslie M. Merrill, Westfield, N. J., and Percy H. Batten, Racine, Wis., as trustees
Application April 25, 1942, Serial No. 440,425

19 Claims. (Cl. 74-189.5)



1. A variable speed power transmission comprising a hydraulic torque converter including a ring of forwardly rotating turbine blading and a ring of counter-rotating turbine blading, a driven member, means for connecting both the forwardly rotating and the counter-rotating rings of blading to said driven member, said means including gearing operative to reverse the direction of the

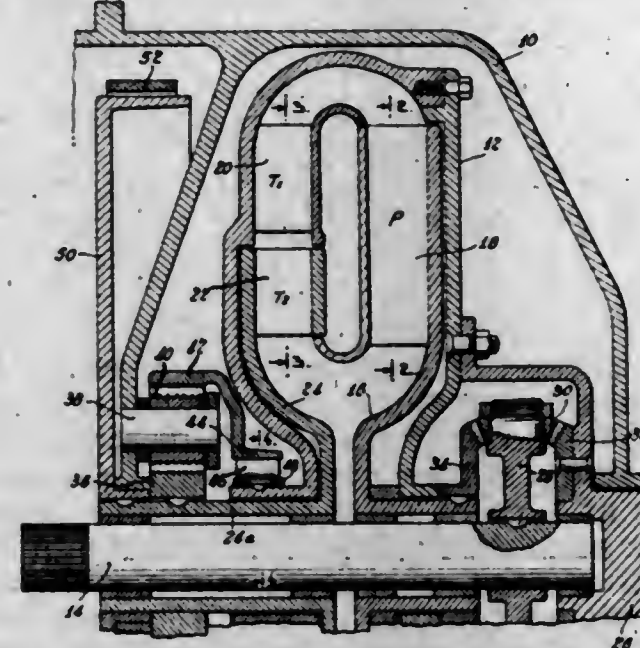
drive from said ring of counter-rotating blading to said driven member and gear means selectively operable for altering the speed ratio at which at least one of said rings of turbine blading is connected to transmit power to said driven member.

2,383,981

HYDRAULIC VARIABLE SPEED POWER TRANSMISSION

Alf Lysholm, Stockholm, Sweden, assignor, by mesne assignments, to Jarvis C. Marble, New York, N. Y., Leslie M. Merrill, Westfield, N. J., and Percy H. Batten, Racine, Wis., as trustees
Application August 25, 1943, Serial No. 500,009

6 Claims. (Cl. 74-189.5)



1. A power transmission including a double rotation converted having a rotatably mounted casing, a single pump wheel mounted to rotate within said casing, a forwardly rotating turbine wheel constituting a part of said rotating casing and to which said pump wheel discharges and a reversely rotating turbine wheel mounted to rotate within said casing to which said forwardly rotating turbine wheel discharges and which discharges to the inlet of said pump wheel, a driven member, means for transmitting torque generated by said turbine wheels to said driven member, a driving member and differential gearing for transmitting power from said driving member to said pump wheel and to said driven member.

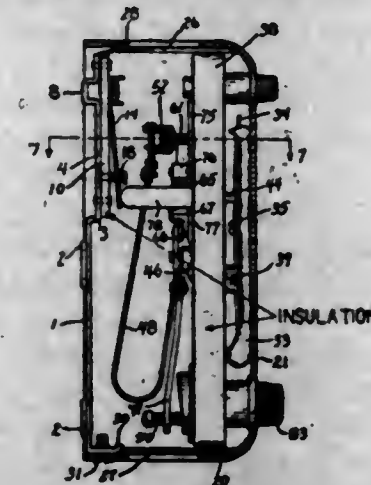
2,383,982

CONTROL MECHANISM

Homer E. Malone, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application December 26, 1941, Serial No. 424,395

12 Claims. (Cl. 200-139)



1. In a control device for mounting on a wall, the combination of, a wall plate carrying terminals for electrical wiring and adapted to be mounted on a wall, a cover for the control de-

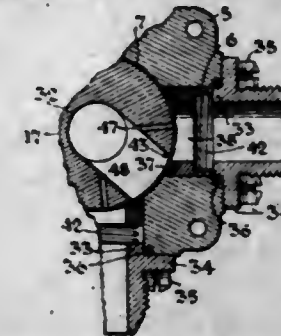
vice adapted for mounting on said wall plate, an elongated sub-base mounted on the inside of the cover and being attached to said cover only near the mid-portion of said sub-base, a condition responsive switching mechanism secured to said sub-base, and means for securing the cover directly to the wall plate independently of the sub-base and for connecting the switching mechanism to the terminals on said wall plate.

2,383,983

VALVE ASSEMBLY

Joseph F. Melichar, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application June 9, 1944, Serial No. 539,514

9 Claims. (Cl. 251-113)



1. In a valve structure, a casing having at least one port therein, a rotor having a flow passage therethrough and turnable for permitting or preventing flow of fluid through said port and passage, said casing having an annular groove therein surrounding said port, and a sealing ring of yieldable material mounted in and extending from said groove in sealing contact with the external surface of said rotor, said rotor having a port therein extending into the rotor flow passage and through the periphery of the rotor and disposed to maintain flow communication between the casing port and the rotor flow passage as the trailing edge portion of the rotor flow passage approaches the casing port cut-off position during movement of the rotor to a cut-off position so as to avoid sucking of the sealing ring out of its mounting groove and into the rotor flow passage due to an orificing effect of fluid pressure flow through the diminishing opening from the casing port into said flow passage and thus prevent pinching of the sealing ring between the advancing rotor flow passage defining edge portion and the ring mounting groove defining edge portion toward which it is turning.

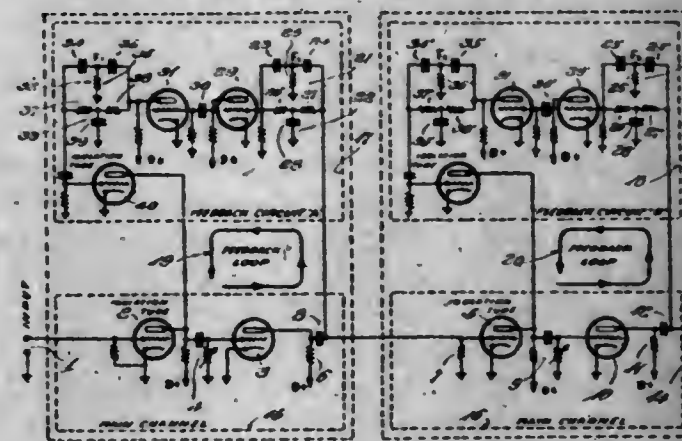
2,383,984

ZERO PHASE SHIFT SELECTIVE AMPLIFIER

Gilbert E. Oberweiser, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa

Application October 30, 1943, Serial No. 508,334

12 Claims. (Cl. 179-171)



1. In a signal transmission system, a multi-stage electron tube amplifier comprising a multi-

ple number of tubes each including input and output circuits, an isolation tube having its input circuit connected with the transmission channel and its output circuit connected with one of said amplifier tubes, another isolation tube having input and output circuits, means for coupling the output circuit of said amplifier tube with the input circuit of said last mentioned isolation tube, connections between the output circuit of said last mentioned isolation tube and another of said amplifier tubes, circuit connections leading from the output circuit of said last mentioned amplifier tube to the transmission network, and feedback loop circuits connected between the output circuit of each amplifier tube and the input circuit of the said amplifier tube for maintaining the phase shift of amplified energy throughout the transmission band at substantially zero.

2,383,985

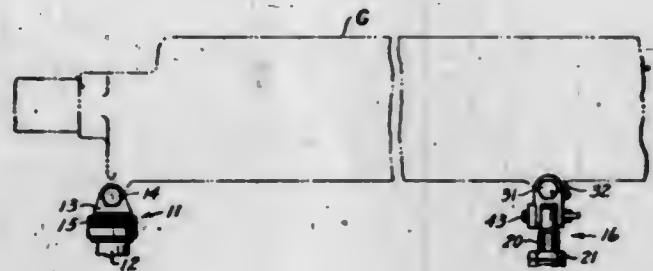
REAR MOUNT FOR FIXED MACHINE GUNS

George P. Ogg, Springfield, Ohio

Application February 4, 1944, Serial No. 521,100

2 Claims. (Cl. 89—37.5)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A rear gun mount for machine guns comprising, in combination, a post adapted to be secured in an upright position on an airplane or other support, said post having its upper end bifurcated, with a transverse slot open to the upper end and a transverse bore, of larger diameter than the width of the slot, located below and open to the slot; means for adjustably securing the post upon said support; a holder; means for connecting the holder with the gun; a locking pin on the holder adapted to pass laterally through the slot when turned to a certain angular position; said locking pin locking in the bore when turned through a predetermined angle from the position it had when it was passed through the slot but being slidable in the bore when so locked; and manually releasable means to secure the locking pin in various angular positions; the locking pin permanently securing the post and holder in properly assembled relationship, when locked in said transverse bore; said holder having two depending lugs with aligned bores for receiving said locking pin, said lugs being spaced apart a distance greater than the width of the top of the post so that the holder may have limited rectilinear movement on the post as determined by the sliding fit of the locking pin in said transverse bore and as limited by contact of the inside faces of the lugs with the post; said holder also being spaced above the top of the post when the parts are assembled, the last mentioned spacing permitting rocking of the holder and hence of the gun relative to the post, said rocking being about the longitudinal axis of the locking pin; said locking pin axis being below and substantially parallel to the longitudinal axis of the gun when connected to said holder.

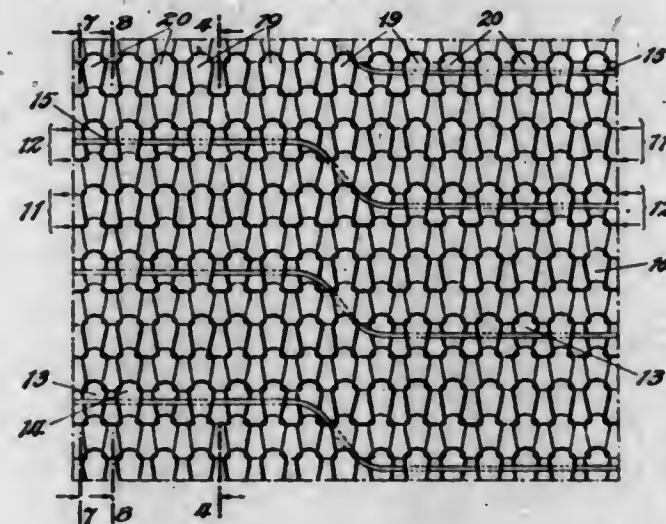
2,383,986

METHOD OF KNITTING

Albert E. Page, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts

Original application November 21, 1941, Serial No. 420,027. Divided and this application September 9, 1942, Serial No. 457,765

8 Claims. (Cl. 66—9)



1. A method of knitting on a circular double-ended needle machine comprising the steps of knitting a course of rib and plain stitches at one feed, laying a rubber strand on said rib and plain stitches at a point after the knitting point, next knitting another course of rib and plain stitches at another feed, thereby enclosing the rubber, then knitting for one or more courses with the needles all in one cylinder while allowing the rubber to float and retrieve, and thereafter commencing knitting again in two cylinders, whereby the rubber once more becomes incorporated in the fabric.

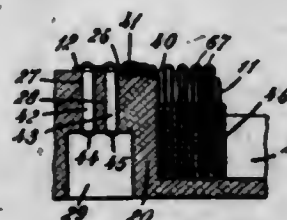
2,383,987

RHEOSTAT

William F. Penrose, Irvington, N. J., assignor to Empire Electric Brake Corporation, a corporation of Delaware

Application October 30, 1943, Serial No. 508,292

7 Claims. (Cl. 201—56)



1. In a rheostat, the improvement comprising an insulating base, a recessed channel in said base, two lead-in terminals, a zig-zag preformed resistance element connecting one of said terminals, a continuous stationary contact securely mounted in said base and connecting the other of said terminals, the bends and contiguous portions of one side of said zig-zag preformed resistance element being secured in said recessed channel, the bends and contiguous portions of the other side of said zig-zag resistance element being out of contact with the base and freely exposed for the dissipation of heat, a sliding contact having one arm in sliding engagement with the exposed ends of the zig-zag resistance element bends and another arm in sliding engagement with the continuous stationary contact, and means associated with the base for moving said arms simultaneously back and forth over said zig-zag resistance element and continuous stationary contact.

2,383,988

METHOD OF MAKING ABRASIVE MATERIAL

Frank R. Perry, Sacramento, Calif.

No Drawing. Application October 26, 1943,

Serial No. 507,737

1 Claim. (Cl. 51—293)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A process for preparing whole grain wheat to make a mild abrasive material adapted for use in air blast cleaning of metals consisting of the steps of cooking the wheat with water at boiling temperature for a period of approximately one to two hours, drying the cooked wheat to a moisture content of substantially five per cent and cutting the dried product into granules of a convenient size for use.

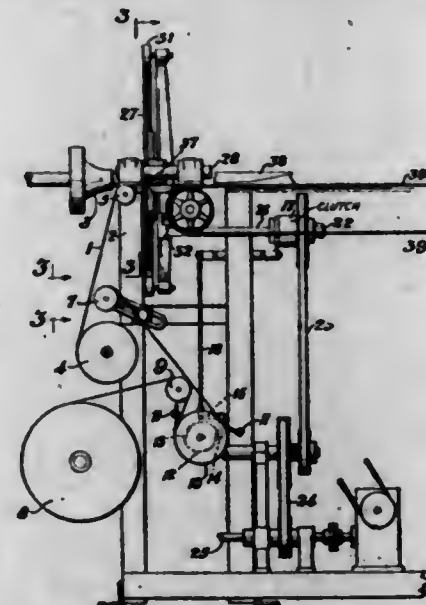
2,383,989

APPARATUS FOR MANUFACTURING EXPLOSIVES

William S. Pilcher, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application August 12, 1943, Serial No. 498,378

11 Claims. (Cl. 18—4)



1. An apparatus for forming extruded plastic material into pieces of predetermined dimensions which comprises in combination an extrusion nozzle, a supporting shelf adjacent to said nozzle and positioned to receive the material projected therefrom, a set of cooperating rollers so arranged as to allow a sheet material to be moved thereover and over said shelf only when and at the same rate the extruded material travels, thereby aiding the rotation of said rollers, a measuring device attached to one of said rollers, a cutting mechanism, means connecting the measuring device and cutting mechanism so that each time said measuring device rotates through a given angle it actuates the cutting mechanism and thereby completely severs a predetermined length from the extruded material superposed on the sheet material on said shelf.

2,383,990

PROLAMINE COATING MATERIALS

Sverre Quisling, Madison, Wis.

No Drawing. Application November 21, 1941,

Serial No. 419,985

8 Claims. (Cl. 167—85)

1. A non-tacky, substantially water insoluble color cosmetic coating material for hair, skin, nails and lips comprising a major portion of prolamine plastic base material which contains a relatively small amount of water soluble extending material and a finely divided pigment material suspended therein.

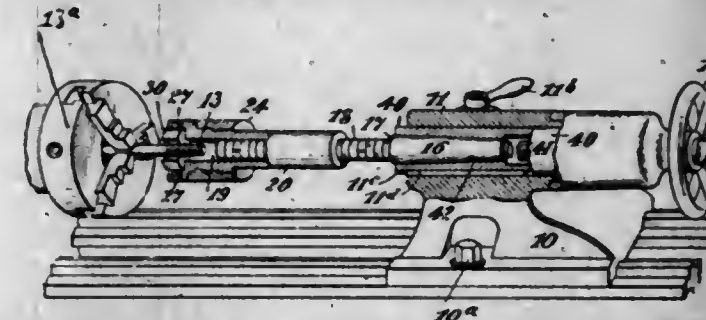
2,383,991

DIE HOLDER AND TAILSTOCK CENTER

Albert Sarossy, West Orange, N. J.

Application November 9, 1943, Serial No. 509,561

8 Claims. (Cl. 10—89)



1. A die holder for tailstock spindles comprising a die supporting member having a bore for the entry of the work piece, and having a sleeve having a cylindrical bore and a guide bar cylindrical at one end in registration with the cylindrical bore, and tapering towards the other end adapted for entrance in the tailstock spindle to be held thereby, said cylindrical end having graduated markings for indicating the desired movement of the die supporting member on its registering cylindrical portion, the cylindrical bore of the said member and cylindrical end of the guide bar being slidable and rotatable in respect to each other.

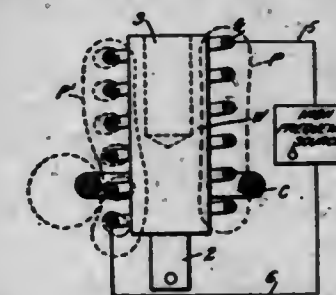
2,383,992

INDUCTION HEATING APPARATUS AND FLUX FIELD CONTROL THEREOF

Vernon W. Sherman, Summit, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y., a corporation of Delaware

Application February 25, 1943, Serial No. 477,085

4 Claims. (Cl. 219—13)



1. Induction heating apparatus for the surface hardening of work pieces of irregular section comprising a primary heating coil, means for energizing the coil with a high frequency current of the order of radio frequency value to effect the surface heating of work pieces positioned within the heating coil, a secondary compensating and closed circuit coil positioned externally of and encircling a portion only of the heating coil in such spaced relation thereto that the compensating circuit coil establishes a secondary flux field in controlling relation to the heating field operating to divert inwardly both the work threading and return flux lines of the heating field so as to adapt it to compensate for deviations of the heating field incident to the change in cross-section of the work.

2,383,993

RECTIFIER AND METHOD OF MAKING SAME

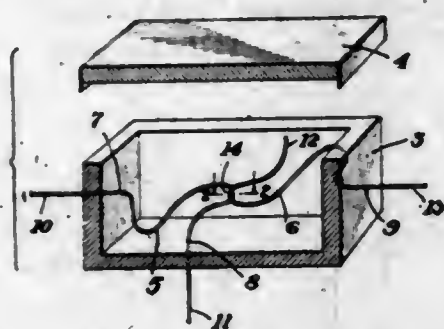
Murray F. Skinker, Montclair, N. J., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware

Application July 9, 1943, Serial No. 494,036

7 Claims. (Cl. 175—366)

1. The method of constructing a rectifier which include coating a first wire with selenium, coating a second wire with a counter-electrode alloy having a low melting point, passing current

through the first wire to heat treat the selenium, placing the wires in contact with one another,

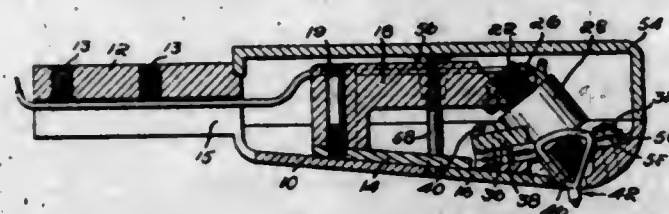


and then passing current through the second wire to melt the alloy about the selenium at the junction of said wires.

2,383,994

PHONOGRAPH PICKUP

Graydon Smith, Concord, Mass., assignor to National Company, Inc., Malden, Mass., a corporation of Massachusetts
Application May 25, 1942, Serial No. 444,323
11 Claims. (Cl. 179-100.41)



1. An electro-dynamic phonograph pick-up, which comprises a magnet shaped to present an air gap between its poles, a substantially triangular armature having a portion adjacent one corner disposed in the air gap between the said poles, a secondary coil inductively coupled to said armature, and a stylus secured to said armature at the corner thereof nearest the portion lying between the poles of the magnet.

2,383,995

COLORED MATERIAL

Edmund Stanley, Christopher Stanley Argyle, and Henry Charles Olpin, Spondon, near Derby, England, assignors to British Celanese Limited, London, England, a company of Great Britain
No Drawing. Application June 25, 1942, Serial No. 448,440. In Great Britain July 15, 1941
8 Claims. (Cl. 106-186)

1. Fibers of a cellulose derivative selected from the group consisting of cellulose esters and cellulose ethers and containing at least 0.1% of a 1:4-di-(arylamino)-anthraquinone, said fibers being formed by spinning a solution of said cellulose derivative containing said 1:4-di-(arylamino)-anthraquinone.

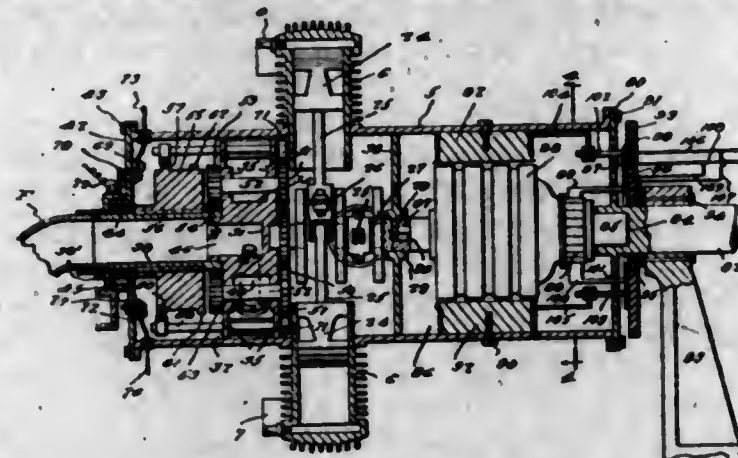
2,383,996

POWER PLANT

John Stucke, Philadelphia, Pa.
Application March 6, 1944, Serial No. 525,235
4 Claims. (Cl. 290-1)

1. The combination with a rotary cylindrical casing of an internal combustion engine, of an axial rotary crankshaft in said casing terminating at one end between the ends of said casing, of an electric generator incorporated in said casing adjacent said end of the crank shaft and axially aligned with the same, said generator including a field and an armature unit rotatable

in opposite directions with respect to each other by said casing and crankshaft, respectively, the

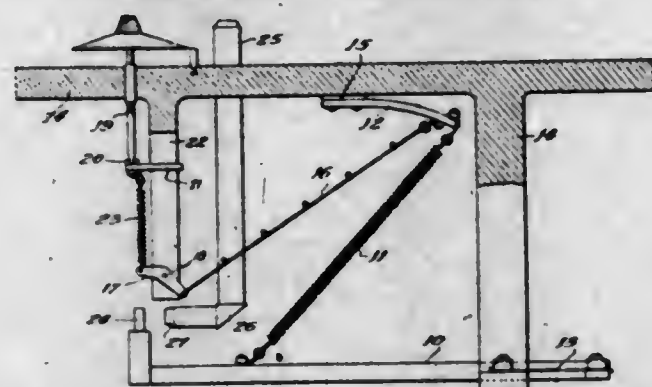


armature being directly coupled to said end of said shaft.

2,383,997

GRAVITY METER

Reginald C. Sweet, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application December 29, 1943, Serial No. 516,068
9 Claims. (Cl. 73-382)

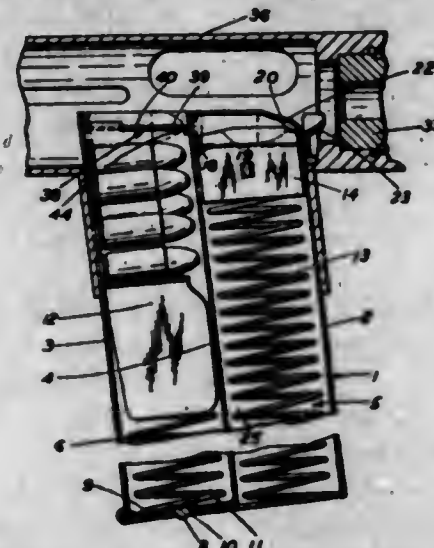


1. A gravity meter comprising a support, gravity-responsive means, an elastic support member for supporting said gravity-responsive means, a resilient means connecting said gravity-responsive means to said elastic support member, a micro-adjustment means mounted on said support, a second resilient means interconnecting said elastic support means and said micro-adjustment means, whereby determinable micro-adjustments in the position of said gravity-responsive means are obtained, and means for determining the position of said gravity-responsive means.

2,383,998

MAGAZINE FOR FIREARMS

Josef Vesely, London, England
Application August 5, 1943, Serial No. 497,447
In Great Britain August 14, 1942
4 Claims. (Cl. 42-50)



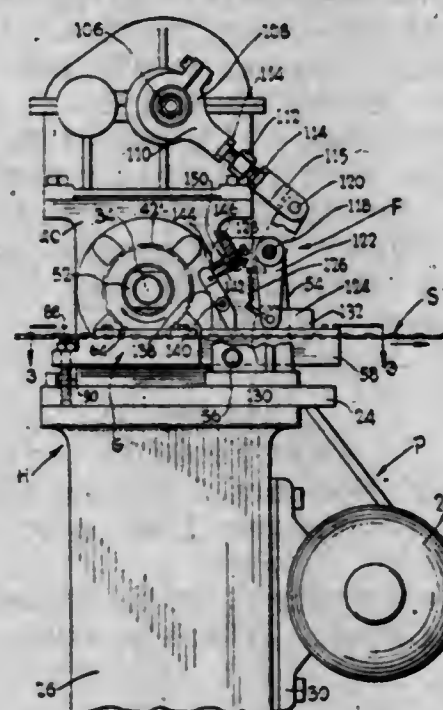
1. A cartridge magazine for firearms comprising an elongated rectangular box-like casing containing two compartments arranged one behind the other in the axial direction of the cartridges

and each constructed to receive a group of cartridges piled upon one another in their compartment, each compartment being open at the breech end of the magazine and having guide lip means to retain the cartridges against discharge from the magazine transversely of their axes and to guide the cartridges axially in their passage, under the action of a reciprocating feed member of the firearm moving parallel to the axes of said cartridges, to a discharge mouth provided at the front and breech end of the magazine, feeding means to urge said cartridges towards the breech end of the magazine, stop means arranged behind the front compartment of the magazine and at the breech end of the latter, a resilient stem having its rear end secured to said magazine at a distance rearwardly from said front compartment and extending forwardly adjacent one side of the uppermost cartridge in said rear compartment and substantially in a transverse plane containing the axis of said uppermost cartridge, and a heel portion on the front end of said resilient stem including an abutment face normally located directly behind the rear end of the uppermost cartridge in said front compartment to prevent any backward movement of such cartridge, and means to prevent said stop means from carrying out any movements except in said transverse plane.

2,383,999

METHOD AND MEANS FOR MAKING SLIDERS FOR SLIDE FASTENERS

Maurice Voity, Long Island City, and George A. Griffiths, Kew Gardens, N. Y., assignors to Universal Slide Fastener Co. Inc., Long Island City, N. Y., a corporation of New York
Application June 6, 1942, Serial No. 446,062
13 Claims. (Cl. 90-18)

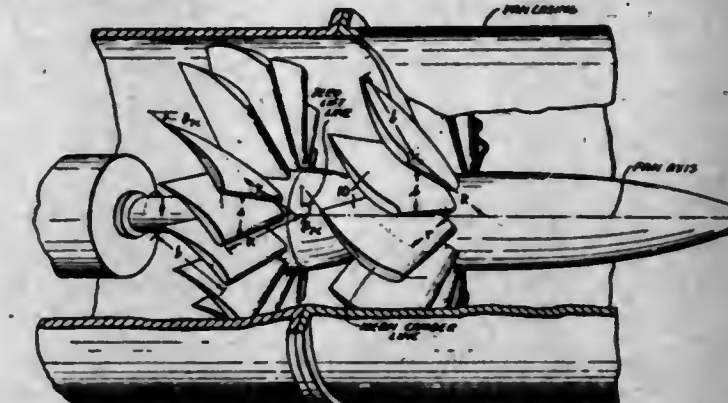


13. In an apparatus for reducing the height of oversized rails on a long strip of integrally connected wing blanks of sliders for slide fasteners, the combination of a pair of disk-like material removing members mounted to turn about a single stationary axis, means to revolve said members, a stationary guide member at the point where the material removing members operate on said rails, said guide member being constructed and arranged to slidably pass said strip in a direction transverse to said axis with each of said rails operatively contacting one of said material removing members and to positively restrict movement of said strip in a plane including said axis and such point, and means to move said strip through said guide member.

2,384,000

AXIAL FLOW FAN AND COMPRESSOR

Frank L. Wattendorf, Dayton, Ohio
Application May 4, 1944, Serial No. 534,123
10 Claims. (Cl. 230-122)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an axial flow fan or compressor stage, a vane axial flow impeller, a plurality of radially arranged inlet guide vanes, the design pressure coefficient for the stage being equal or in excess of .5 and the ratio of the vane chord to vane spacing in both guide vanes and impeller being one or greater than one, the guide vanes and impeller vanes having their discharge portions bent so as to produce tangential components in the fluid flow through the fan stage having a magnitude equal, or in the case of the guide vanes, less than the amount required to give the desired total head, the discharge angles in the guide vanes and impeller being such that they impart rotation to the fluid flow respectively therethrough in opposite directions the guide vane and impeller vane cross-sections being in the form of a basic airfoil section modified by bending the discharge portions of the vanes until the zero lift line of the basic section of each vane lies parallel at each radius to discharge lines making an angle with a plane normal to the axis of flow such that the product of the tangential velocity at any radius times the radius is substantially constant.

2,384,001

COLORATION OF TEXTILE MATERIALS

Alexander James Wesson, Spondon, near Derby, England, assignor to British Celanese Limited, London, England, a company of Great Britain
No Drawing. Application June 23, 1942, Serial No. 448,165. In Great Britain July 15, 1941
2 Claims. (Cl. 8-40)

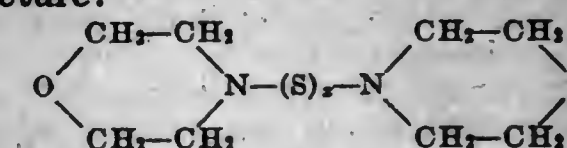
1. Process for the coloration of cellulose acetate fibers, foils, films and the like, which comprises applying thereto a solution of 1:4-di-(ortho-methoxy-phenylamino)-anthraquinone in a liquid medium which is a swelling agent for the cellulose acetate and which comprises a mixture of acetone and ethyl alcohol.

2,384,002

LUBRICANT

Alfred L. Bayes, Kenmore, N. Y., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application June 9, 1943, Serial No. 490,174
8 Claims. (Cl. 252-47)

1. A lubricant comprising a mineral oil containing corrosion and oxidation inhibiting amounts of an additive mixture composed of mercaptobenzothiazole and a dimorpholine sulfide of the structure:

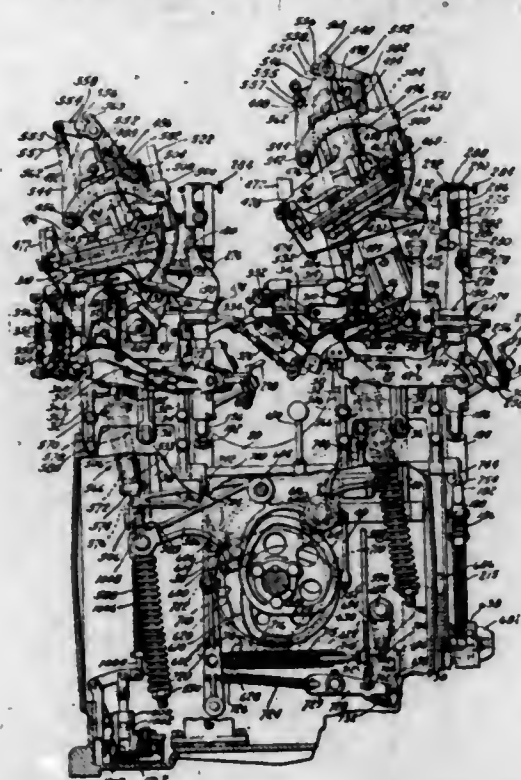


wherein x is at least one.

2,384,003

METHOD AND MACHINE FOR ATTACHING SOLES

Lewis J. Bazzoni, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 28, 1942, Serial No. 459,927
76 Claims. (Cl. 12—36)

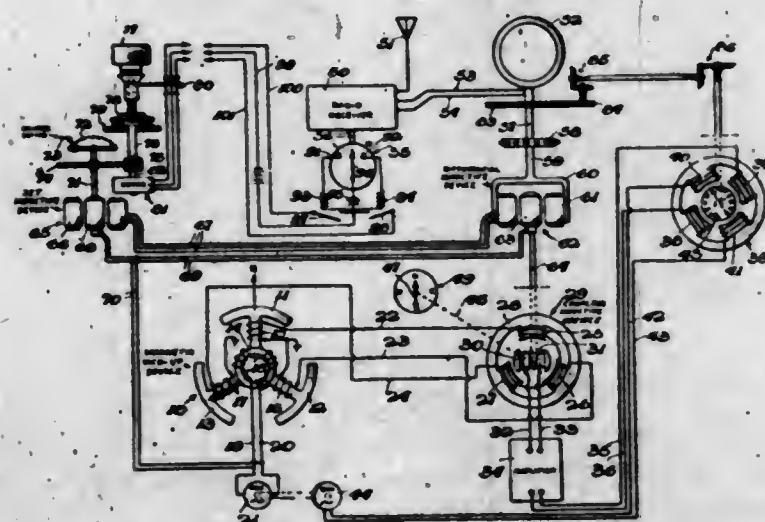


74. Pressure-applying apparatus comprising, in combination, a pair of work supports, a pressure-applying device associated with each support, and means for operating said pressure devices alternately to move them toward and away from their associated supports, said operating means comprising a rocking lever connected to said heads, a pair of conjugate cams for rocking said lever, and power means for rotating said cams.

2,384,004

DRIFT CORRECTOR

Paul F. Bechberger and Paul A. Noxon, Tenafly, N. J., assignors to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware
Application May 7, 1941, Serial No. 392,384
14 Claims. (Cl. 250—11)



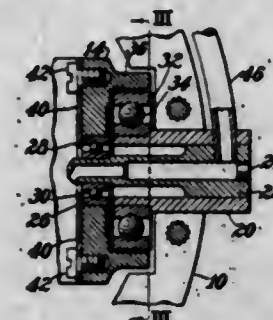
8. In a radio magnetic compass for use in maintaining a mobile craft on a predetermined straight course, a directive antenna rotatably mounted on said craft normally arranged in a predetermined direction with respect to radio waves emanating from a particular direction, means responsive to the earth's magnetic field, electrical means interconnecting said antenna and a portion of said responsive means, an induction motor for angularly driving said antenna, and means responsive to the position of said antenna whereby upon a deviation of the antenna from said predetermined course due to extraneous

forces acting on the craft, said portion of the responsive means is energized to cause said induction motor to drive said antenna to said predetermined direction.

2,384,005

BEARING ASSEMBLY

Charles C. Bell, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 30, 1943, Serial No. 516,305
8 Claims. (Cl. 74—5)



1. In combination, a supporting member, an element rotatably carried thereby, small ball bearings by which said element is carried by said supporting member, means mounting said ball bearings in said supporting member for yielding movement normal to the axis of rotation of said element, large ball bearings carried by said supporting member adjacent to said small ball bearings, and means carried by said element normally concentric with and surrounding said large ball bearings in spaced relation thereto but being arranged to receive support from the large ball bearings upon movement of the small ball bearings in response to a force acting on said element transversely of its axis of rotation.

2,384,006

SCOURING AND POLISHING POWDER

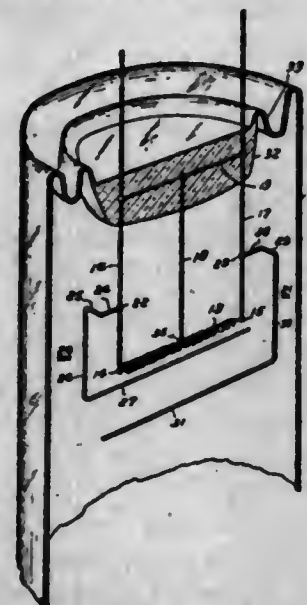
Joseph M. Bleakney, Manhasset, N. Y.
No Drawing. Application March 18, 1943, Serial No. 479,595
6 Claims. (Cl. 252—129)

1. A scouring and polishing powder comprising sawdust, the particles of which are coated with a dried binder, finely ground diatomaceous earth securely imbedded in said binder and a dry soap powder.

2,384,007

ELECTRODE

Charles Philippe Boucher, Fostoria, Ohio, assignor to Boucher Inventions, Ltd., a corporation of Delaware
Application September 14, 1942, Serial No. 458,273
4 Claims. (Cl. 176—126)



1. An electrode comprising a filament made of doubly coiled small gauge, oxide-coated wire, leads

extending from the ends of said filament, a guard comprising side-arms, of heavy gauge metal of high temperature coefficient of resistance, extending outwardly and downwardly from said leads and under and along the length of said filament in spaced parallel relation thereto, and means short-circuiting said leads.

2,384,008

METHOD FOR CONVERTING HYDROUS MAGNESIAN SILICATES INTO BASIC PRODUCTS

Hellmuth R. Brandenburg, Cowell, Calif., assignor to Idaho Maryland Mines Corporation, San Francisco, Calif., a corporation of Nevada
No Drawing. Application September 19, 1942, Serial No. 459,044
9 Claims. (Cl. 23—201)

8. The herein described process of obtaining available magnesium oxide from serpentine which consists in wet grinding the material to a fine mesh in which each particle has a surface area of 250 ctm.²/gram, or over subjecting the material to heat for converting the water into steam, agitating the material in the presence of steam, and in raising the temperature until it lies between 800° and 1500° F. and maintaining this temperature until the material contains a residual water of combination content of between 0.6% and 8.0% as represented by loss on ignition.

2,384,009

PROCESS FOR RECOVERING MAGNESIUM SALTS

Hellmuth R. Brandenburg, Cowell, Calif., assignor to Idaho Maryland Mines Corporation, San Francisco, Calif., a corporation of Nevada
No Drawing. Application October 23, 1942, Serial No. 463,304
13 Claims. (Cl. 23—50)

5. The process of recovering a magnesium salt solution from unstable hydrous magnesium silicate such as serpentine, genthite, and garnierite, comprising calcining said silicate to a point at which its residual water of combination is below 8% but short of complete dehydration and without dead burning, agitating the resulting calcine in an acid solution until the acid has been consumed; adjusting the pH value to not less than 6; separating the gangue from the slurry; elevating the temperature of the resulting solution to boiling to convert any soluble silica that may be present to insoluble flocculent form; separating the flocculated silica from the solution; precipitating and separating from the solution any remaining metallic impurities; and finally isolating the desired magnesium salt.

2,384,010

METHOD OF PRODUCING MAGNESIUM SULPHATE

Hellmuth R. Brandenburg, Grass Valley, Calif., assignor to Idaho Maryland Mines Corporation, San Francisco, Calif., a corporation of Nevada
No Drawing. Application June 8, 1943, Serial No. 490,100
13 Claims. (Cl. 23—128)

8. The herein described process of producing magnesium sulphate from serpentine containing silica and calcium salts which comprises: calcining finely ground serpentine just short of a dead roast for freeing the magnesium oxide content from the calcine; subjecting the calcine to the action of a solution of sulphurous acid to convert

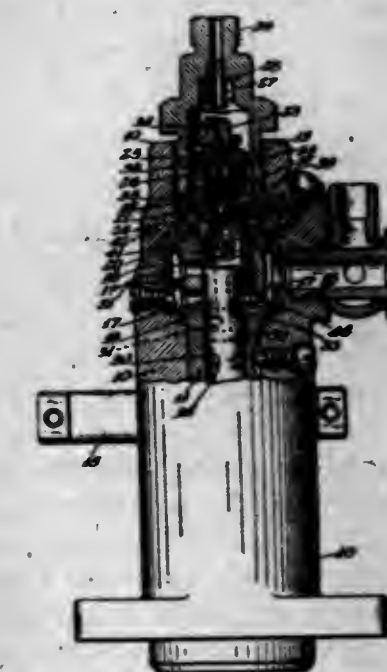
substantially all of the available magnesium oxide of the calcine into sulphite of magnesium; filtering the slurry to separate out the solid waste matter and to obtain a clear solution containing magnesium sulphite; heating the filtrate to remove the greater portion of the free sulphur dioxide and to oxidize the sulphite salts to sulphate salts; spraying the filtrate by compressed ozonified air to form sulphate salts and sulphuric acid from existing remnants of sulphurous acid and sulphite salts; adding additional calcine to precipitate iron as hydrated oxide and to form additional magnesium sulphate; concentrating the filtrate by evaporation until the silica and calcium sulphate are salted out, leaving the magnesium sulphate; filtering the filtrate to obtain a clear liquor; and in evaporating the liquor to obtain pure magnesium sulphate.

11. The process of producing magnesium sulphate from magnesium oxide which comprises, forming a solution of magnesium sulphite with traces of magnesium sulphate and some free sulphurous acid by treating the magnesium oxide with sulphurous acid in greater than stoichiometric proportions; expelling sulphur dioxide gas and converting magnesium sulphite to magnesium sulphate by heating and agitating the solution; oxidizing the remaining sulphurous acid to sulphuric acid and the metal sulphites to sulphates by subjecting the solution to the action of a gaseous oxidizing agent; and then separating the magnesium sulphate from the solution by crystallization.

2,384,011

FUEL INJECTION APPARATUS

Albert T. Bremser, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 1, 1942, Serial No. 437,154
20 Claims. (Cl. 103—41)

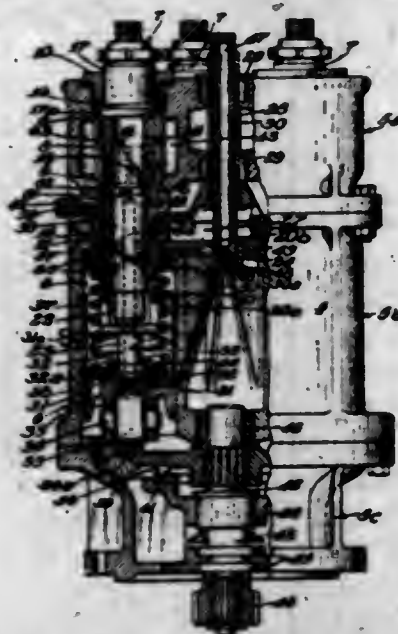


1. In a fuel injection pump, means comprising a pressure chamber and including a plunger, said plunger operating as a bypass valve to connect said chamber to the fuel supply line during a predetermined portion of the stroke thereof, a delivery valve controlling the fuel flow from said chamber to a delivery line, and means constituting a relief passageway for connecting the delivery line to a fuel supply line during the entire by-pass portion of the piston stroke, said last-named means comprising passages through said delivery valve and said plunger.

2,384,012

FUEL INJECTION APPARATUS

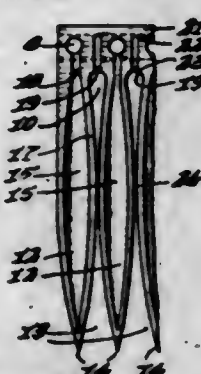
Albert T. Bremser, Sidney, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application September 22, 1942, Serial No. 459,235
28 Claims. (Cl. 103-41)



1. In a fuel injection pump wherein a piston is slidable in a cylinder to define a pressure chamber and has a metering groove adapted to cooperate with a part in said cylinder to control the duration of effective pumping, means for establishing a film of lubricant between the plunger and cylinder surfaces, and means for preventing dilution of said film by fuel from said chamber, said last-named means comprising a relief channel in the surface of the bore of said cylinder located between said lubricating means and said metering groove and a passage in said cylinder connecting said channel to the fuel supply line.

2,384,013
COMB

Armand Caldora, New York, N. Y.
Application June 23, 1944, Serial No. 541,675
5 Claims. (Cl. 132-26)



1. A comb comprising a body portion and teeth, said teeth being recessed to provide concave rear surfaces, said body portion being recessed to provide lateral slots, some of said slots opening into the rear surface of said body portion and extending from a point high on the rear surface of said body to a point intermediate said teeth, other of said slots opening into the rear surface of said body portion and merging with concave rear surfaces of said teeth.

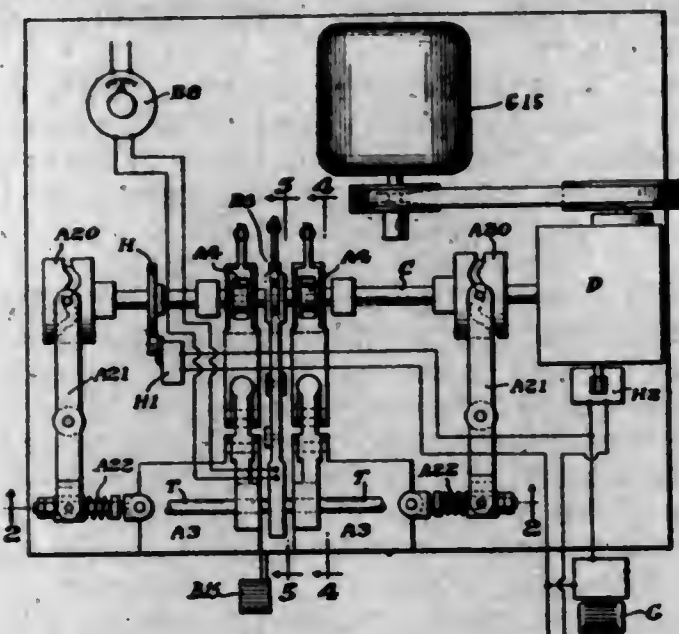
2,384,014

WELDING APPARATUS

George A. Cutter, Dedham, Mass., assignor to Thomson-Gibb Electric Welding Company, Lynn, Mass., a corporation of Massachusetts
Application May 3, 1943, Serial No. 485,470
6 Claims. (Cl. 154-42)

6. An apparatus for welding together two pieces of thermoplastic material which comprises

a pair of clamps for receiving the pieces in spaced alignment, a heater, a drive shaft, drive connections to said shaft including a clutch, means for automatically disengaging said clutch after a predetermined partial revolution of said shaft, means for engaging said clutch to produce a first partial revolution of said shaft, means operated by said first partial revolution of said shaft to close the clamps on the pieces, to insert the heater between the pieces and to move the clamps so that the pieces are pressed against opposite



sides of the heater, timer means for engaging said clutch to produce a second partial revolution of said shaft after a period of time long enough for the portions of the pieces pressed against the heater to become softened, and means operated by said second partial revolution of said shaft to move said clamps to withdraw said softened portions of the pieces from the heater, to remove the heater from between said portions, to move said clamps to press said softened portions of said pieces together to form the weld and to open the clamps.

2,384,015

THERMOSETTING PLASTIC MATERIAL

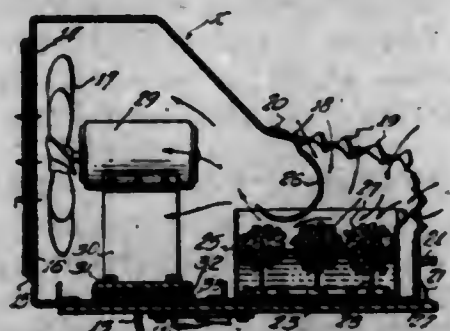
Le Grand Daly, Port Clinton, Ohio
No Drawing. Application June 4, 1941,
Serial No. 396,504
4 Claims. (Cl. 260-9)

1. A thermosetting composition of matter for molded articles comprising a synthetic resin base including a major proportion of an alpha phase phenol furfuraldehyde, a minor proportion of calcium stearate, and further comprising a filler material including substantial proportions of lignin, cotton floc, and cotton fabric waste, and a substantial proportion of polychloroprene.

2,384,016

EVAPORATIVE COOLING UNIT

John H. Dishner, Dallas, Tex.
Application June 17, 1944, Serial No. 540,835
1 Claim. (Cl. 261-99)

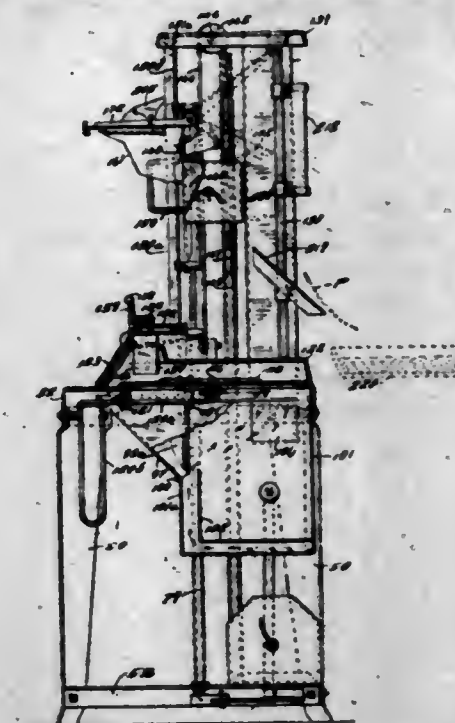


In an evaporative cooling unit, the combination comprising an interiorly insulated and portable cabinet having a top portion provided with

2,384,019

MACHINE FOR MAKING PRINTS

Glen M. Dye, Minneapolis, Minn.
Original application November 7, 1938, Serial No. 239,269. Divided and this application July 10, 1942, Serial No. 450,396
10 Claims. (Cl. 88-24)

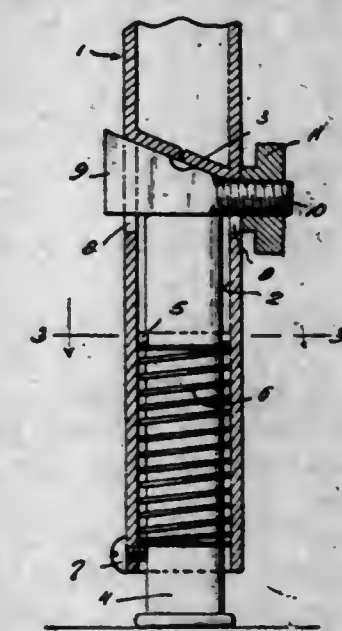


1. A photographic printing device having in combination, a support having a surface for supporting a negative and having an opening therethrough for the passage of light for printing from said negative, a pin upstanding from said member, a circular plate revoluble about said pin and having a plurality of circumferentially spaced openings of different sizes therethrough, any one of which may be brought into register with said first mentioned opening, said plate having a plurality of circumferentially spaced holes therethrough, one for each of said openings therein, a pin adapted to pass through any one of said holes to hold said plate in position and means under the control of the operator for raising said plate to place a negative thereunder and lowering the same to hold said negative in position.

2,384,020

ADJUSTABLE LEG

Ernest Farson, Xenia, Ohio
Application June 23, 1944, Serial No. 541,794
4 Claims. (Cl. 248-189)



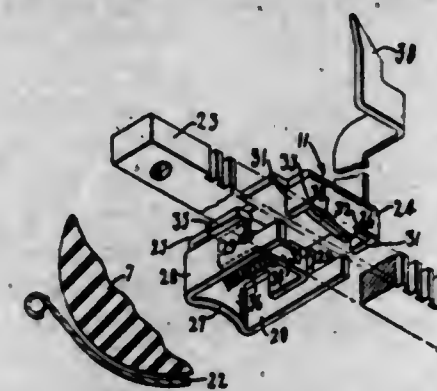
1. A leg of the class described having a vertical bore in its lower end portion, the bore terminating in an upper end wall which is inclined transversely of the bore, said leg further having transversely aligned slots at opposite sides thereof and communicating with the bore immediately below the inclined upper end wall

a downwardly and rearwardly sloping area originating at a point spaced from the front thereof, a fan in the front portion of said cabinet, a hinged cover for the rear portion of said cabinet having parallel slots defined by deflectors arranged at a variety of relative angles for directing separate streams of air towards the center of said rear portion, a grilled opening in the front of said cabinet, a liquid reservoir removably disposed in said rear portion, capillary means in said reservoir for elevating water into the influence of air passing through said parallel slots and a curved baffle for constraining air entering through said slots to flow in intimate contact with said capillary means in its course through said cabinet.

2,384,017

TYPEWRITING MACHINE

William A. Dobson, Hartford, Conn., assignor to Underwood Corporation, a corporation of Delaware
Application March 2, 1944, Serial No. 524,788
2 Claims. (Cl. 197-70)

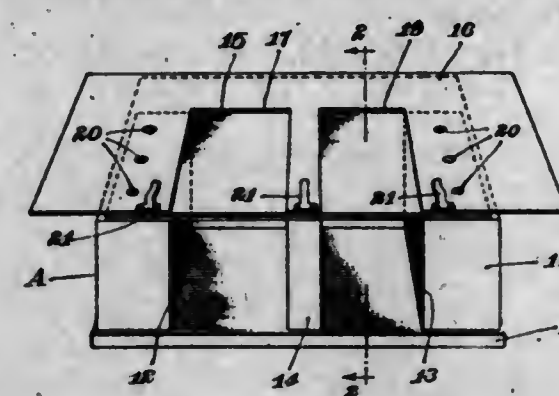


1. In a typewriter, a stop unit adapted for position adjustment and locking engagement on a toothed rack, comprising a box-like body portion formed of sheet metal and including a top panel, end panels bent off from the top panel and side panels bent off from at least one end panel and defining aligned openings admitting the rack, the body portion being substantially longer than the width of the rack to afford a rectangular recess adjacent one side of the rack, and a shoe slidably fitting the recess and spring-pressed into contact with the rack.

2,384,018

FINGERPRINT APPARATUS

Herman J. Doepner, St. Paul, Minn.
Application April 5, 1943, Serial No. 481,877
5 Claims. (Cl. 41-4)



1. Fingerprint apparatus comprising a base having a recess therein, a top having a corresponding recess, a sheet of rubber-like material between the base and the top, and means to hold the impression sheet in overlying relation over said rubber-like sheet, whereby when the finger is pressed downwardly upon said impression sheet the rubber-like sheet deforms to the shape of the finger, thereby producing an impression of the end as well as the front of the finger.

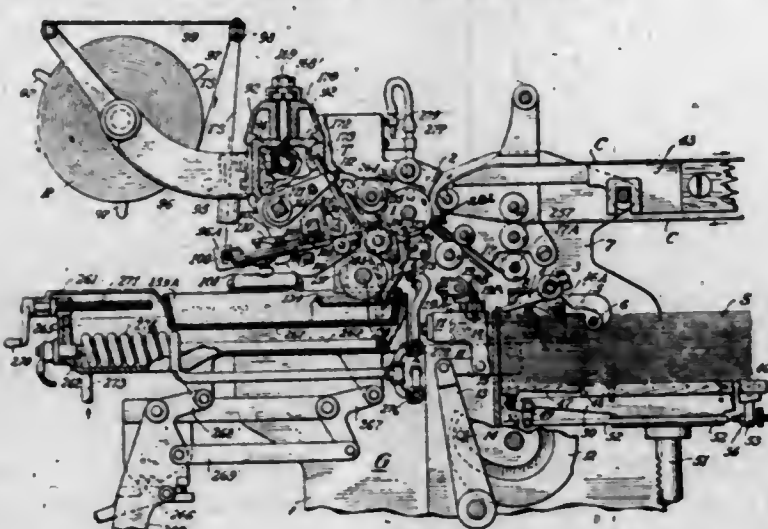
thereof, a foot having a shank portion mounted for longitudinal sliding adjustment in the bore and depending from the lower end of the leg, a wedge operable in the slots and across the leg bore between the upper end of the foot shank and the inclined upper end wall of the bore, and means cooperable with the wedge to move and hold the same crosswise of the leg bore for adjusting said foot with respect to the end of the leg.

2,384,021

ADHESIVE APPLYING SYSTEM

Theodore A. Federwitz and Hans Grotewold, Philadelphia, Pa., assignors to Stokes & Smith Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 13, 1941, Serial No. 397,894
26 Claims. (Cl. 93-56)



1. Apparatus for applying tabs to wrappers comprising means for feeding wrappers to a tabbing station, means for feeding tabs to said station for application to the wrappers comprising feed rolls, means for intermittently moving said rolls relatively toward each other concurrently to engage opposite faces of a tab, and driving means for effecting rotation of said rolls, and means responsive to failure of said first-named means to feed a wrapper temporarily to disable said driving means to preclude feed of a tab when said intermittent means moves said rolls into engagement therewith.

13. Apparatus for tabbing wrappers comprising means intermittently operable to feed wrappers, means intermittently operable to detach tabs from strip material for delivery into engagement with said wrappers, a member controlling the timing of the operations of said wrapper-feeding means, a member controlling the timing of the operations of said tab-detaching means, and movable structure supporting said timing members for movement in unison in avoidance of mistiming between said wrapper-feeding means and said tab-detaching means.

2,384,022

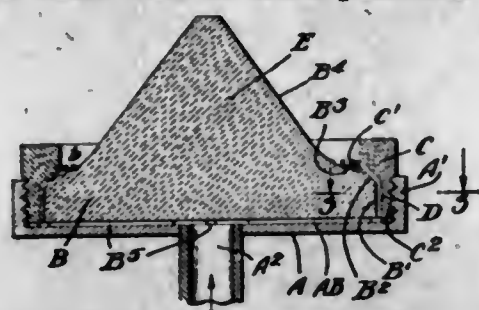
GAS BURNER

Warren D. Fuller, West Hartford, Conn., assignor to Selas Corporation of America, a corporation of Pennsylvania

Application April 22, 1941, Serial No. 389,708
4 Claims. (Cl. 158-116)

3. A burner comprising a base portion and structure cooperating with the peripheral surface of the base portion to form a number of opposed distributed passages, said passages having inlets at one side of said base portion and discharge orifices at the opposite side thereof, a refractory body carried by said base portion, said body in section having converging opposing outer surfaces which, at the larger end of the

body, terminate at the immediate vicinity of said base portion and merge into the latter at the discharge orifices of said passages, means including a plate to hold said base portion and said structure cooperating therewith in assembled relation, said plate being formed to provide a manifold at the side of said base portion having the inlets for passing to the latter a combustible mixture of fuel and combustion supporting gas, the portion of said base between said passages being impervious to flow of combustion supporting gas so that the only combustion supporting gas passing through the base will be that passing through the



passages, said passages being disposed in a manner to discharge inwardly toward the smaller end of the body from the discharge orifices, at regions alongside of and overlying the outer surfaces, a number of jets of the combustible mixture which may be ignited to produce a series of flames from which heat is radiated to the closely adjacent outer surfaces to heat the latter to incandescence, the incandescent surfaces being effective to promote efficient combustion of the jets to maintain high flame temperatures, so that the outer surfaces will be highly heated and provide a high temperature source of radiant heat.

2,384,023

LUBRICANT

Lionel S. Galstaun, Concord, Calif., assignor to Tide Water Associated Oil Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application February 1, 1943,
Serial No. 474,391
7 Claims. (Cl. 252-29)

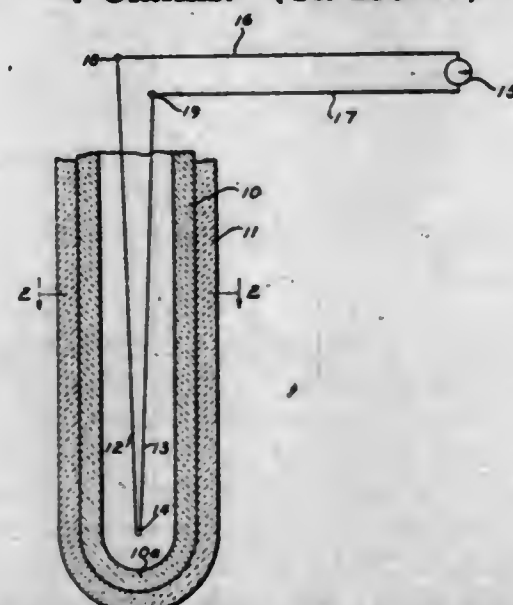
1. A lubricating composition adapted for use in the lubrication of surfaces exposed to mixtures of hydrogen halides and hydrocarbons which comprises a major portion of substantially anhydrous lanolin and a minor portion of graphite.

2,384,024

THERMOCOUPLE TUBE

George N. Goller, Baltimore, Md., assignor to Rustless Iron and Steel Corporation, a corporation of Delaware

Application December 30, 1941, Serial No. 424,981
7 Claims. (Cl. 136-4)



1. A high-temperature duty casing for a temperature-responsive member, comprising an in-

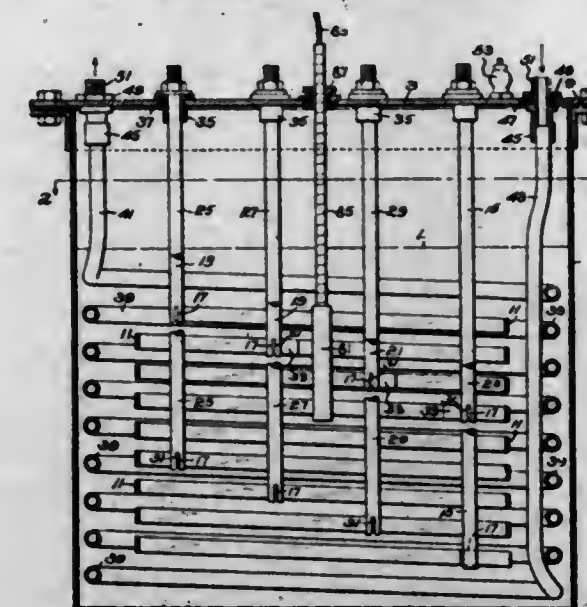
ner refractory casing portion comprising a substantial amount of material selected from the group consisting of vitreous silica and sillimanite, and an adherent coating consisting essentially of graphite and mica, applied externally of said inner refractory casing portion.

2,384,025

MOTOR STARTING CIRCUITS AND RESISTANCE UNIT FOR USE THEREIN

Harold J. Graham, Boston, Mass.

Application March 4, 1943, Serial No. 477,956
5 Claims. (Cl. 201-48)



1. An electric resistance unit having, in combination, a liquid container, a resistance element in said container positioned to be submerged in the liquid therein, a fluid conducting cooling coil for the liquid in said container positioned to be submerged in the liquid therein, a removable cover for said container, said resistance element and cooling coil being secured to said cover and removable from said container with said cover.

2,384,026

WOOD PRESERVATIVE

Bror Olof Häger, Stockholm, Sweden, assignor to Bolidens Gruvaktiebolag, Stockholm, Sweden, a joint-stock company limited of Sweden

No Drawing. Application May 7, 1943,
Serial No. 486,087

6 Claims. (Cl. 167-38.5)

1. A preservative for wood and other organic materials comprising (a) a substance selected from the group consisting of (1) an acid ferrous salt and (2) a mixture of an acid and a neutral ferrous salt, (b) arsenic acid, and (c) potassium bromide as a catalyst for the oxidation, in the impregnated material, of the ferrous salt to ferric salt.

2,384,027

PROCESS AND DEVICE FOR FULL-CELL TREATMENT OF TIMBER OR SIMILAR MATERIAL

Bror Olof Häger and Stig Bertilsson Kjellström, Stockholm, Sweden, assignors to Bolidens Gruvaktiebolag, Stockholm, Sweden, a joint-stock company limited of Sweden

Application March 12, 1943, Serial No. 478,988
In Sweden February 8, 1942
5 Claims. (Cl. 21-63)



1. A process for effecting full-cell treatment of timber or similar material comprising charging
578 O. G.-5

an impregnating chamber with the material to be treated, filling the chamber with liquid and then pumping out the said liquid, thereby creating a vacuum in the chamber, which after some time is filled with a substance selected from the class consisting of preservative solutions and emulsions, the latter then being introduced into the material by pressure.

2,384,028

METHOD FOR THE PRODUCTION OF FORMALDEHYDE

John L. Hall, Charleston, W. Va.

Application October 22, 1942, Serial No. 462,984
9 Claims. (Cl. 260-604)

1. The method of forming formaldehyde from methane comprising burning methane in a great excess of air with an elongated flame and continuously quenching the tip of the flame.

2,384,029

PAINTBRUSH

Ernest L. Hawkins, Chicago, Ill.

Application December 2, 1943, Serial No. 512,549
4 Claims. (Cl. 15-201)



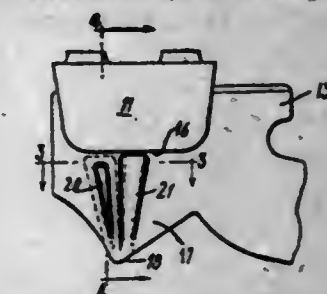
1. A paint brush of the character described comprising a handle and a two-section head each having a body portion and a set of bristles secured thereto, one head section being secured to the handle and the handle comprising an extension of the two sections running parallel to said bristles, the section carrying the handle having a tongue extending into a groove of the second section said tongue and groove being on axes parallel to said bristles, and a single fastening means extending through said body portion to hold the head section in adjusted position.

2,384,030

TYPEWRITING MACHINE

William F. Helmond, Clinton, Conn., assignor to Underwood Corporation, a corporation of Delaware

Application March 8, 1944, Serial No. 525,807
2 Claims. (Cl. 197-36)



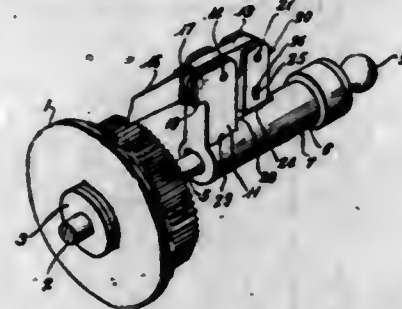
1. In a type bar assembly for front-strike typewriters, having a relatively wide type head with

rearwardly extending side members affording a slot therebetween, and a relatively thin, sheet-metal type-carrying arm secured in the slot of the type head and having a portion substantially trailing the type head; the improvement of providing at least one boss on each side of the trailing portion of the type arm, each boss extending rearwardly from a point just back of the type head side member, at which point the boss is substantially flush with said member, and each boss being tapered rearwardly to grade into the thin body of the arm at its trailing extremity.

2,384,031

WASTE CUTTER

Moulton L. Hudson, West Asheville, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application May 1, 1944, Serial No. 533,629
12 Claims. (Cl. 28—1)

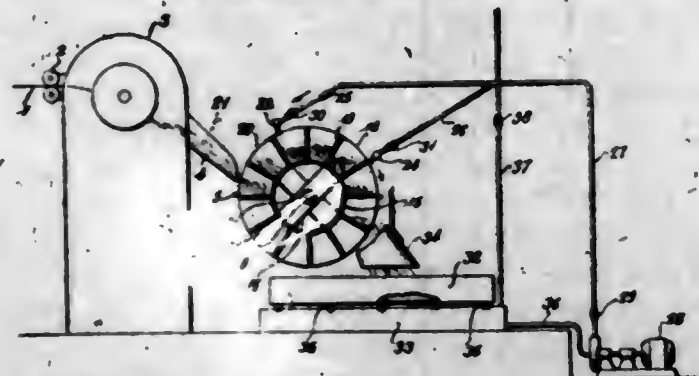


1. A device for cutting waste strandular material from a rotating element comprising a rotatable unit provided with means for cooperating with a part of the element from which the material is to be cut for properly aligning the same, a handle axially mounted on the unit and rotatably secured thereto, a lateral extension on said unit, an arm mounted on said extension, and a knife connected to the arm and extending in a direction longitudinally of the device.

2,384,032

MANUFACTURE OF STAPLE FIBER

Arthur L. Jackson, West Asheville, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application April 6, 1942, Serial No. 437,899
1 Claim. (Cl. 19—1)



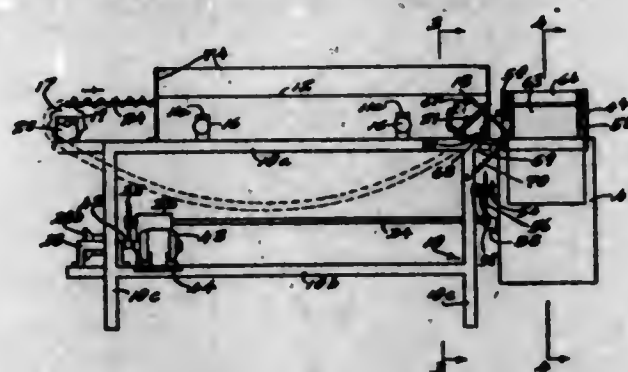
An apparatus for converting continuous filaments into staple fibers comprising a source of continuous filaments, a staple cutter arranged in the path of said filaments, an outlet for discharging the cut fibers, means for receiving the cut fibers as they are discharged, a vertically arranged rotary wheel member positioned above the fiber receiving means and consisting of a series of radial compartments for initially receiving and holding said cut fibers, means for delivering the cut fibers into successive compartments at one side of the wheel member whereby, when the wheel member is rotated, the compartments are elevated, means for spraying a liquid into the compartments during their elevated path of travel in order to open and separate the fibers and a second liquid spray means positioned above the point where the liquid and fibers normally commence to discharge from the respective com-

partments whereby the fibers in one compartment are caused to be initially discharged by the second spray while the residual fibers in the succeeding forward compartment are being discharged so that a substantially uniform discharge of fibers is effected continuously.

2,384,033

CONVEYER MECHANISM

Ralph M. Jacobson, Minneapolis, Minn.
Application July 5, 1941, Serial No. 401,147
2 Claims. (Cl. 198—185)



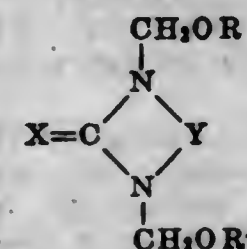
1. A conveyer device for use in heat treating of articles having in combination, a conveyer, means on said conveyer for supporting and progressing plates for heat treatment, said conveyer having a discharge end, a pivoted arm having one end disposed adjacent said end of said conveyer and in position to engage a plate about to be discharged from said conveyer, a rotating toothed ratchet wheel, said arm carrying means engaging the periphery of said wheel, and resilient means holding said last mentioned means against said periphery whereby said arm is moved by said wheel to place said resilient means under tension so that said second mentioned means will snap into the spaces between the teeth of said ratchet wheel to cause said end of said arm to move in the general direction of the movement of said conveyer and plates to give a quick discharge impulse to said plate in said direction to discharge the same from said conveyer.

2,384,034

POLYVINYL ACETAL COMPOSITION AND CEMENT

Charles William Johnson, New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 22, 1942, Serial No. 440,085
7 Claims. (Cl. 260—73)

1. A composition comprising a polyvinyl acetal resin and, as a softening point elevating agent therefor, an ether of the formula



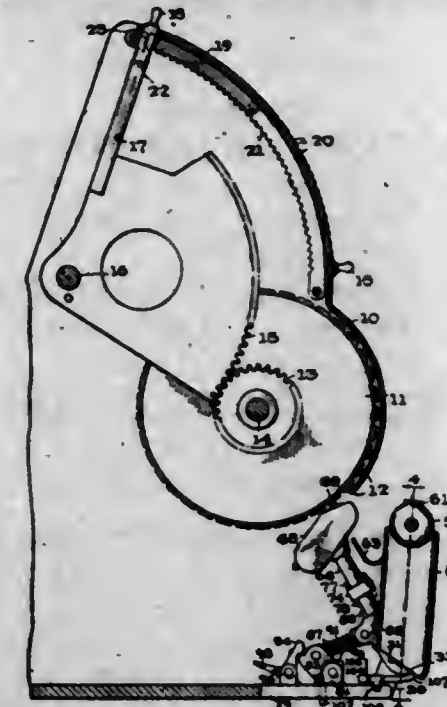
wherein X is a chalcogen of atomic weight less than 33, wherein Y is a divalent acyclic organic radical of chain length from 2 to 3 having terminal carbon atoms, having, in the case of a chain length of 3, the intermediate chain atom selected from the group consisting of carbon, oxygen, sulfur and nitrogen, the third bond of the nitrogen being attached to a monovalent hydrocarbon radical, all the hydrogen atoms in Y

being attached to carbon, and wherein each of R and R' represents the nonhydroxyl portion of a monohydric alcohol boiling not higher than 210° C.

2,384,035

LAUNDRY MARKING MACHINE

William J. Ketuper, Cincinnati, Ohio, assignor to The National Marking Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application December 24, 1942, Serial No. 470,052
23 Claims. (Cl. 101—101)

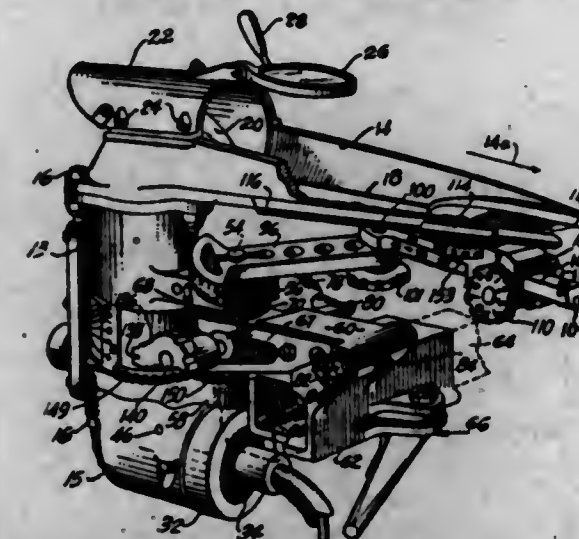


1. In a laundry marking machine including a type assembly adapted to locate type at printing position, the combination of a platen-carrier, means for rocking said platen-carrier from a normal to a printing position, a cylinder mounted on said platen-carrier, a piston working in said cylinder, a platen secured to said piston, and means, automatically actuated by movement of the platen-carrier to printing position, for admitting fluid pressure to said cylinder behind said piston to move the platen toward the selected type.

2,384,036

TORPEDO DIRECTOR

Wolfgang B. Klemperer, West Los Angeles, and Sydney J. Goldberg, Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application December 23, 1942, Serial No. 469,934
5 Claims. (Cl. 33—46.5)



1. In a torpedo director for use on an aircraft carrying a torpedo, the combination of: an adjustable mechanical triangle for reproducing on a reduced scale the velocity vector triangle defining the relative motions of said aircraft, said torpedo, and the target intended to be hit by said torpedo, said triangle including a sighting arm defining a sighting line and a torpedo arm rep-

resenting the velocity vector of said torpedo relative to the water into which it is to be launched; means mounting said triangle for pivotal movement as a unit to a position disposing said torpedo arm parallel to the motion of said aircraft; latching means carried by said aircraft for selectively engaging said sighting arm and said torpedo arm and holding the same against movement and in positions respectively parallel to the direction of motion of said aircraft; and a movable control member coacting with said latching means and operable upon movement to one position to engage said latching means only with said sighting arm and operable upon movement to another position to engage said latching means only with said torpedo arm.

2,384,037

BLIND RIVET PULLER

Herbert W. Kugler, Los Angeles, Calif., assignor to Cherry Rivet Company, Los Angeles, Calif., a corporation of California
Application September 27, 1944, Serial No. 556,074
8 Claims. (Cl. 218—19)



1. In a puller for setting blind rivets having a headed body and a retractable mandrel, the combination of: a housing including a portion engageable with the head of said rivet body, said housing having a longitudinal bore therein for receiving said mandrel; an anvil slidable in said bore and having means thereon for engaging said mandrel; a nut slidable in said bore; means holding said nut against rotation relative to said housing; means attaching said anvil to said nut; a bolt threadedly engaging said nut; and means on said housing mounting said bolt for rotation relative thereto, said last-named means serving also to hold said bolt against axial movement relative to said housing, whereby rotation of said bolt moves said nut and anvil longitudinally in said bore to retract said mandrel.

2,384,038

MINE SWEEPING CABLE

David Larkin, Kirkwood, Mo., assignor to Broderick & Bascom Rope Company, St. Louis, Mo., a corporation of Missouri
Application August 12, 1940, Serial No. 352,285
12 Claims. (Cl. 57—148)

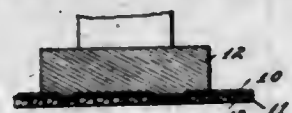


1. A mine sweeping cable comprising cutting strands laid up spirally, said cutting strands comprising a core and alternate cutting and supporting wires mounted spirally therearound.

2,384,039

METHOD OF IDENTIFICATION MARKING OF FABRICS

John Migliarese, Cincinnati, Ohio, assignor to The National Marking Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application May 11, 1942, Serial No. 442,545
6 Claims. (Cl. 41-33)

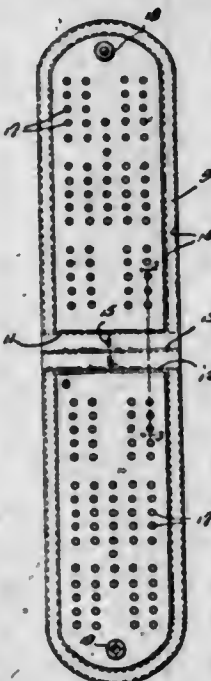


1. The method of applying permanent identification marks to fabrics, which consists in placing a thin sheet of rubber upon a fabric to be marked, heating a type to the degree necessary to melt the rubber immediately adjacent the type face, pressing the type against the rubber sheet until said melting occurs, removing the type, and finally removing the unmelted portion of the sheet.

2,384,040

FOLDABLE CRIBBAGE BOARD

George H. Miller, Athol, Mass.
Application February 17, 1944, Serial No. 522,834
1 Claim. (Cl. 235-90)



A game score board comprising a plurality of elongated rigid board sections, said sections being arranged in spaced apart end to end relation. flexible strips of material covering the opposite sides of the sections, said sections and one of said cover strips having registering openings, the marginal edges of the cover material extending beyond the edges of the board sections, stitching connecting the marginal edges of the cover material, spaced parallel transverse rows of stitching connecting the spaced apart ends of the board sections and defining elongated pockets in the cover material which are open at each side edge of the material, a row of stitching closing the inner ends of the pockets, said cover material being foldable along one of said transverse rows of stitching to position the board sections one upon the other, and separable fastening devices carried by the cover material for securing the same in folded position.

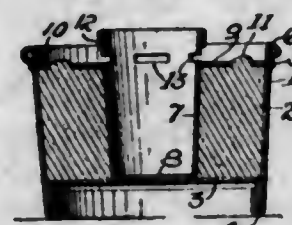
2,384,041

MOLD FOR FROZEN COMESTIBLES

Bartram H. Moore, Doylestown, Pa.
Application January 23, 1943, Serial No. 473,345
5 Claims. (Cl. 107-19)

1. A mold including a hollow tapered core having a closed end for displacing a fictile substance in the mold and a reenforced end and a

disk projecting radially from said core for limiting the rise of the top of such substance and containing a vent between its outer edge and



said core, and said core containing a slot adjacent to and above said disk for the efflux of liquid from said core over said disk.

2,384,042

END SEAM FOR METAL CONTAINERS

Frank J. O'Brien, Pelham, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application March 13, 1944, Serial No. 526,257
1 Claim. (Cl. 220-67)

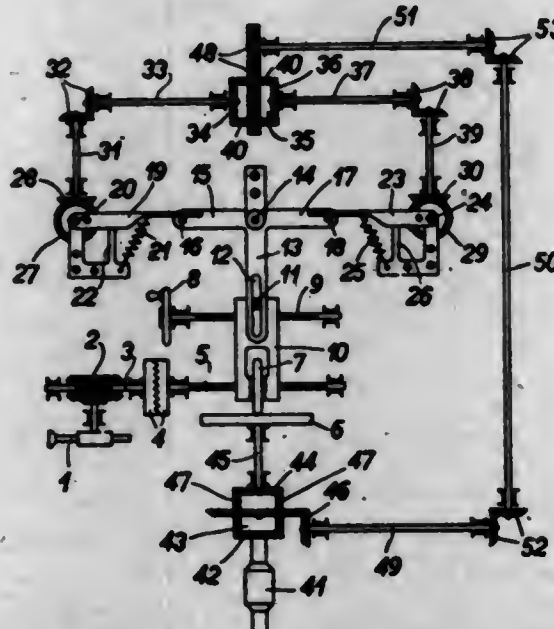


A double seam structure for joining a closure end to a container body comprising a body wall flange, said flange being folded back upon itself with the folded-back portion reversely folded so as to provide a three-wall thickness in the body flange with the walls thereof in tight contact and disposed substantially parallel with the wall of the container body and a closure end flange rolled into tight encircling contact with the body wall flange and the folded-back portions thereof, the reversely folded-back portion of the body wall flange being slightly longer than the first-named folded-back portion and projecting below the fold therein so that the closure end flange will be held spaced away from said fold in the body wall flange to facilitate the cutting of the closure end flange at the lower side of the double seam for releasing the end from the body.

2,384,043

DEVICE FOR DIRECTING AND CALCULATING APPARATUS

Karl Papello, Jena, Germany; vested in the Alien Property Custodian
Application February 8, 1940, Serial No. 318,000
In Germany January 31, 1939
7 Claims. (Cl. 74-388)



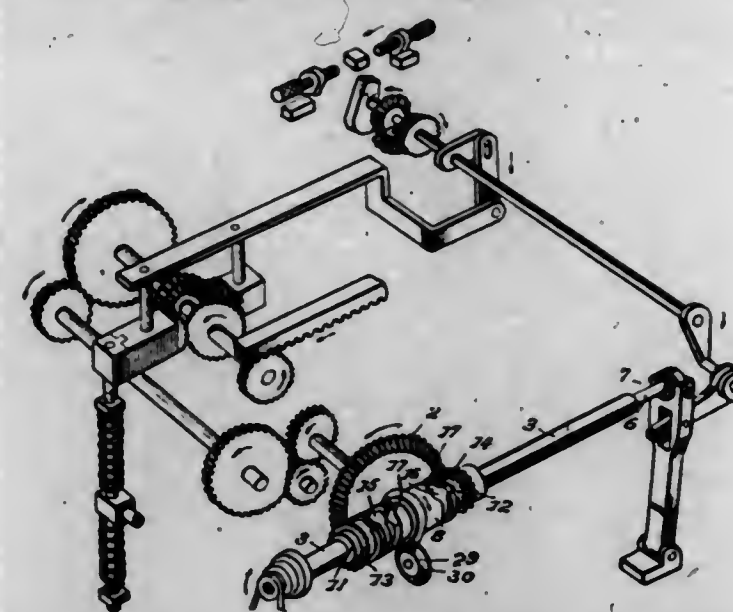
1. In a device which forms part of a directing or calculating apparatus and serves for displacing an element according to the movements of variable speed of a body, a speed change gear

having a driving shaft, a driven shaft and adjusting means, means for actuating said adjusting means, means for operatively connecting said driven shaft to said element, a motor, a differential gear, means for operatively connecting said motor by means of said differential gear to said driving shaft, and means for operatively connecting one member of said differential gear to said adjusting means and adapted to cause the absolute value of the angular speed of said driving shaft to change always in the same sense as the absolute value of the angular speed of said driven shaft is changed when said actuating means are effected.

2,384,044

REVERSING MECHANISM

John E. Poorman, Philadelphia, Pa.
Original application August 10, 1942, Serial No. 454,309. Divided and this application February 22, 1943, Serial No. 476,712
20 Claims. (Cl. 192-51)

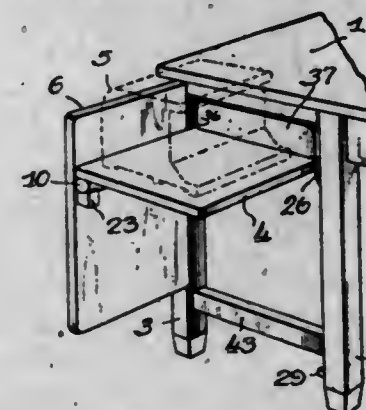


1. A reversing assembly for use in connection with power driven machines, of the type including a primary shaft continuously driven by power means, and power reversing elements on the shaft whereby the power may be reversed beyond the assembly, said reversing assembly including relatively opposed power driving elements and an intermediate slide element for selectively driving either of said power elements, and a combined driving and cushioning element freely movable on the primary shaft and interposed between the slide element and the power elements to initially cushion the driving cooperation between such parts.

2,384,045

DESK WITH TYPEWRITER ATTACHMENT

Maynard H. Raggio, Chicago, Ill.
Application September 21, 1942, Serial No. 459,091
10 Claims. (Cl. 312-29)



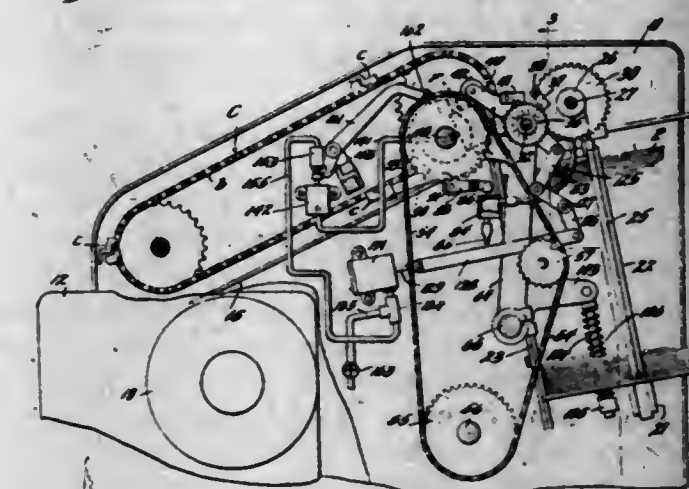
3. A typewriter attachment adapted to be mounted in a compartment of a desk and the like, comprising a typewriter supporting plat-

form, a generally cylindrical extension bar secured to one side portion of the platform and extending rearwardly therefrom, and a guide rail construction adapted to be secured to a side of the compartment and having vertically spaced arcuate surfaces between which the extension bar is rotatable and slidable, said extension bar having a non-circular portion to cause the bar to tighten between said arcuate surfaces when the platform is pulled forwardly and swung upwardly to operative position to prevent vibration.

2,384,046

SHEET FEEDING MECHANISM

Frederick W. Seybold, Westfield, N. J., assignor to American Type Founders Incorporated, Elizabeth, N. J., a corporation of New Jersey
Application January 4, 1944, Serial No. 516,959
18 Claims. (Cl. 271-31)



1. In a sheet feeder, in combination, a pile board, means for advancing the pile board, mechanism for separating and removing the successive top sheets from a pile of sheets on said pile board, said mechanism including a sheet seizing member adapted to move intermittently through successive cycles of movement to and from contact with the top of the pile as the feeding progresses, the travel of the member toward the pile lengthening gradually as the pile is depleted, a normally inoperative connection between the advancing means and the pile board, means operatively connected with said member for momentarily rendering said connection operative whenever during a cycle of movement of said member the travel of said member toward the pile exceeds a predetermined distance, holding means for keeping said connection operative during a longer portion of said cycle until said advancing means shall have been effective to advance the pile appreciably and means for automatically releasing said holding means.

2,384,047

MANUFACTURE OF ORGANIC NITROGEN COMPOUNDS

Arthur Ernest Wilder Smith, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 8, 1942, Serial No. 450,141. In Great Britain March 31, 1941
2 Claims. (Cl. 260-644)

1. A process for the preparation of 1,2-dinitroethane which comprises adding substantially pure ethylene to substantially pure liquid nitrogen tetroxide at a temperature less than 15° C. until approximately 30% of the theoretical amount of ethylene has been added, and evaporating the excess nitrogen tetroxide at a low temperature.

2,384,048

MANUFACTURE OF ORGANIC NITROGEN COMPOUNDS

Arthur Ernest Wilder Smith and Charles William Sealife, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application October 20, 1943, Serial No. 507,046. In Great Britain September 2, 1942

6 Claims. (Cl. 260—644)

1. In a process for reacting ethylene with liquid nitrogen tetroxide, the step of passing oxygen into the liquid nitrogen tetroxide during at least part of the reaction period.

2,384,049

PROCESS FOR THE PRODUCTION OF POLYNITROETHYLENE

Arthur Ernest Wilder Smith, Charles William Sealife, and Robert Holroyd Stanley, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application December 15, 1943, Serial No. 514,418. In Great Britain December 4, 1942

2 Claims. (Cl. 260—644)

1. A process for the preparation of polymerised nitroethylene which comprises reacting β -nitroethyl nitrate in the presence of an aqueous medium with a substance selected from the group: alkali metal carbonate, alkali metal hydroxide, alkali metal bicarbonate, alkaline earth metal carbonate, alkaline earth metal hydroxide, alkaline earth metal bicarbonate, ammonium carbonate, ammonium bicarbonate, ammonium hydroxide, magnesium carbonate, magnesium bicarbonate, magnesium hydroxide, zinc carbonate, zinc oxide, zinc hydroxide, lead oxide, lead hydroxide, lead carbonate.

2,384,050

PROCESS FOR THE PREPARATION OF α -NITRO-ISOBUTENE

Arthur Ernest Wilder Smith, Charles William Sealife, and Robert Holroyd Stanley, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application December 15, 1943, Serial No. 514,419. In Great Britain December 4, 1942

1 Claim. (Cl. 260—644)

A process for the preparation of α -nitro-isobutene which comprises reacting dinitro-isobutane with an aliphatic alcohol.

2,384,051

SAFETY RAZOR BLADE

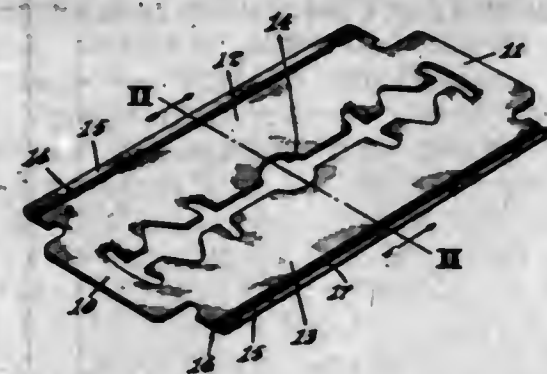
Samuel C. Stampleman, Cohasset, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Application November 9, 1944, Serial No. 562,605

1 Claim. (Cl. 30—346)

An improved safety razor blade having a flexible body of uniform thickness throughout, a relatively inflexible beveled cutting edge portion, and a thin flexible web co-extensive in length with the cutting edge, connecting the cutting edge portion and the body of the blade and being of substantially less thickness than the body of the blade, the back of the cutting edge portion being the full thickness of the body of the blade and the

blade being constructed and arranged to be clamped in shaving position with the said con-



necting web free to flex and to support the relatively inflexible cutting edge portion in a yielding resilient manner in shaving position.

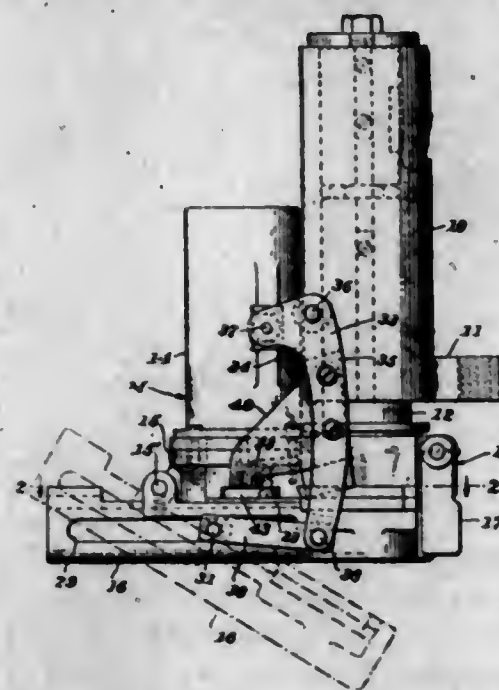
2,384,052

CAP FEEDING APPARATUS

Robert J. Stewart and John S. Bartley, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application August 29, 1941, Serial No. 408,875

1 Claim. (Cl. 226—88.1)



Cap feeding apparatus comprising means providing a bottom support for a stack of caps, a reciprocable blade at one side of said stack and movable between a position outside of the stack to a laterally inserted position in the stack just above the lowermost cap in a manner to displace upwardly and support caps above said lowermost cap, a vertically extending pin on said blade, a member reciprocable adjacent said blade, said member including a cam effective in one direction of movement of said member to insert said blade and including an abutment portion engaging said pin in the other direction of movement of said member to retract said blade, and means for ejecting said lowermost cap while the blade is inserted.

2,384,053

MANUFACTURE AND USE OF NEW AMINE SALTS

Edward Boaden Thomas, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application May 13, 1941, Serial No. 393,202. In Great Britain June 4, 1940

9 Claims. (Cl. 252—8.75)

1. A composition suitable for dressing textile materials, said composition comprising a lubricating oil and a salt of diethyl-ethylene-diamine with an acid sulphate of an aliphatic alcohol containing at least 12 carbon atoms.

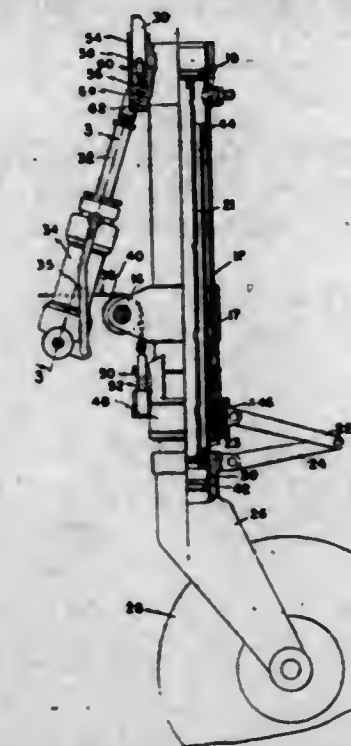
2,384,054

LANDING GEAR

Walter C. Trautman, Burbank, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application September 26, 1941, Serial No. 412,469

2 Claims. (Cl. 244—102)



1. In an airplane, a wheel strut installation comprising, a shaft, a wheel strut pivotally mounted thereon, a pin mounted on the upper end of said wheel strut and having an elongated slot therein, the strut being recessed to receive the pin and being slotted in a like direction with the pin, resilient means urging said pin outwardly from said strut, a lock step in said airplane engageable by the pin to lock the strut in an operating position, an actuating cylinder separate from said strut and pivotally mounted in said airplane, and a pin passing through said strut and pin slots to form a lost motion connection between them and the actuating cylinder, so that the pin is withdrawn upon the initial movement of the actuating cylinder in retraction and the pin may be depressed upon extension to engage the lock step.

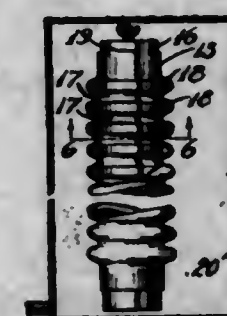
2,384,055

METHOD OF MAKING CORRUGATED TUBING

Forest G. Tritt, Sherman, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application March 19, 1941, Serial No. 384,124

9 Claims. (Cl. 18—56)



5. The method of making corrugated tubing having closely spaced circumferential corrugations, which comprises providing a deposition form having the general configuration of the desired tubing but having corrugation-forming ridges spaced more widely than the desired spacing of corrugations in the finishing tubing, immersing the deposition form in a liquid rubber composition and producing a correspondingly corrugated deposit of unvulcanized rubber thereon,

drying the deposit to a substantial extent, transferring the deposit to a shaping mandrel, disposing the deposit on the mandrel in substantially the desired final configuration with the corrugations spaced more closely than on the deposition form, and vulcanizing the rubber while the deposit is so disposed on the shaping mandrel.

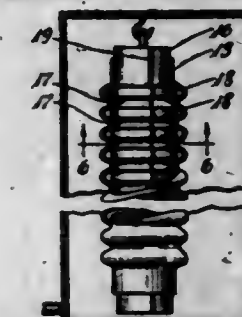
2,384,056

MANDREL

Forest G. Tritt, Sherman, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Original application March 19, 1941, Serial No. 384,124. Divided and this application January 29, 1943, Serial No. 473,955

3 Claims. (Cl. 18—45)



1. A mandrel for use in the manufacture of circumferentially corrugated tubing and similar products, said mandrel comprising a generally cylindrical member having an external molding surface adapted to receive thereon a section of corrugated tubing, circumferential grooves in the external surface of the member, said grooves having rounded contours for receiving the valleys of the corrugations in the tubing, circumferential ridges interposed between the grooves, said ridges projecting less than the height of the corrugations in the tubing, and a venting groove extending across the circumferential grooves and ridges.

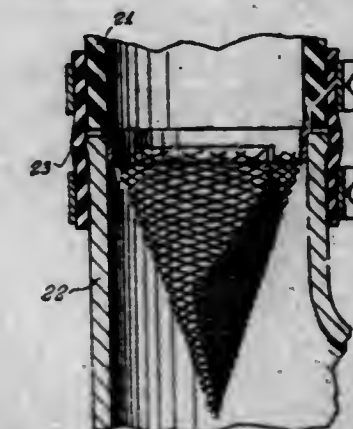
2,384,057

REMOVABLE STRAINER FOR RADIATOR CIRCULATING SYSTEMS

Luther C. Wetherell, Hot Springs, Ark.

Application November 1, 1944, Serial No. 561,382

1 Claim. (Cl. 210—169)



An expansible strainer comprising a resilient split ring having a conical screen secured thereto and depending therefrom, said screen having a longitudinal split and having the edges thereof at the split overlapping each other, said ring having an external flange extending from the upper edge thereof.

2,384,058

ATTACHMENT FOR TEST INDICATORS

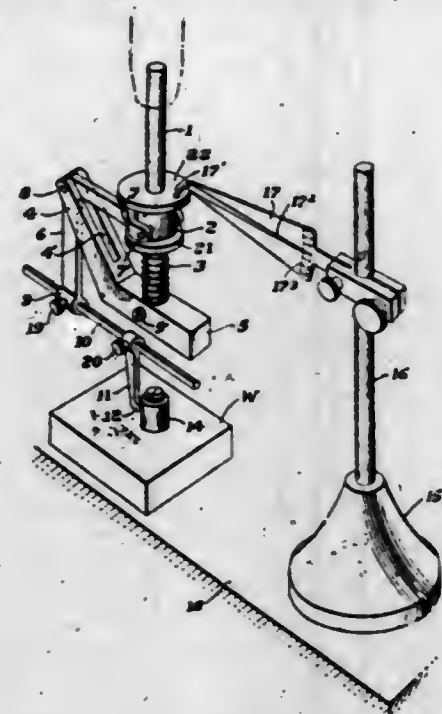
Henry G. Whitmore, Newburyport, Mass., assignor to Samuel C. Brody, Newton Center, Mass.

Application January 3, 1944, Serial No. 516,860

4 Claims. (Cl. 33—172)

1. An attachment for a stationarily-mounted test indicator, said attachment comprising a stem

to be rotatively clamped in predetermined relationship to the tool spindle of a drilling, boring, milling or like machine and to be rotated with reference to a piece of work to be machined at said machine, said stem having a foot provided with an offset pivot portion, a slide movable axially along said stem above said foot, and having a surface contactable by the feeler of the indicator, a feeler point for contact with the work, and motion-transmitting connections between said feeler point and said slide for moving said slide axially along said stem in one direction in

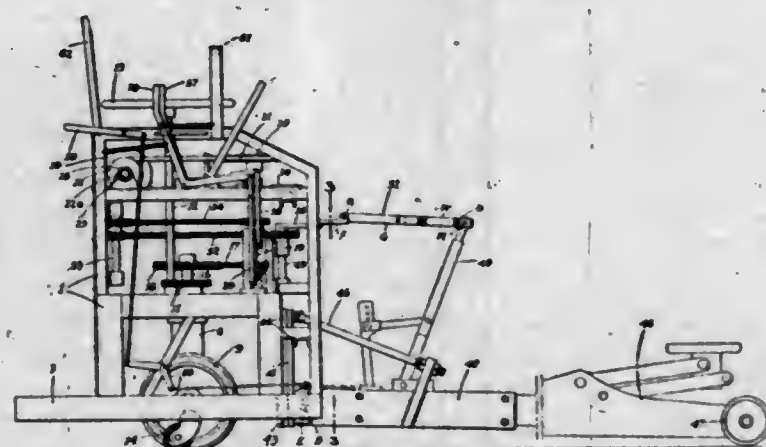


response to the contacts of said feeler point with the work when the attachment is rotated thereby to cause the surface of said slide to actuate the feeler of the test indicator, said motion-transmitting connections including a bell crank pivoted between its end in the offset pivot portion of said foot, one end of said lever being engaged with said slide above said foot and the other end of said lever carrying said feeler point below said foot, and a spring coiled about said stem and reactive between said foot and said slide for opposing the axial movement of said slide along said stem in said direction.

2,384,059

POWER-OPERATED INDUSTRIAL LIFT TRUCK

Edward Wolf, Stockton, Calif.
Application January 29, 1943, Serial No. 473,963
6 Claims. (Cl. 180-53)



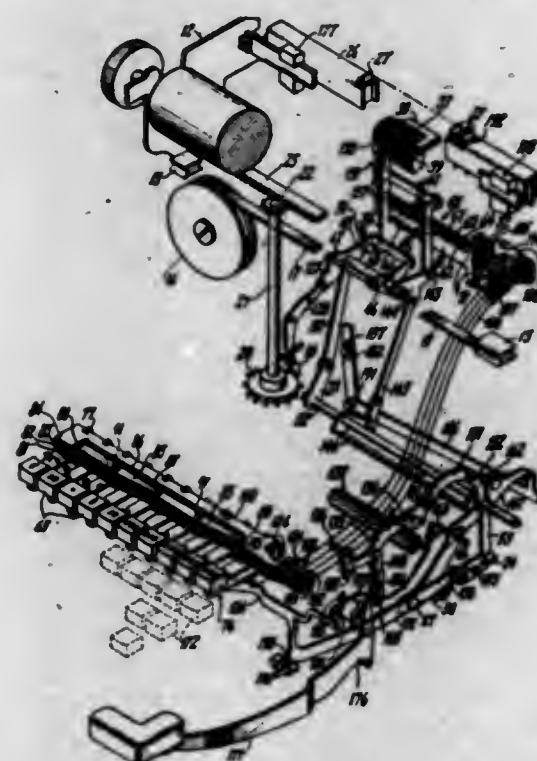
2. An industrial truck comprising a wheel supported power unit, a wheel supported load carrying unit, means connecting the units in close coupled longitudinally aligned relation and arranged to hold the units against relative movement in a longitudinal vertical plane as well as a horizontal plane while allowing of relative tilting of the units in a transverse vertical plane; said load carrying unit including a hydraulic lift-

ing device having an upstanding lever to operate said device and adapted for reciprocation in a plane lengthwise of the truck, a rotary power actuated member on the power unit, and a connecting link between the member and lever to reciprocate the latter upon rotation of said member and arranged so as to be longitudinally inflexible but capable of flexing in a transverse vertical plane as well as a horizontal plane.

2,384,060

TYPEWRITING MACHINE

Harry C. Yaeger, West Hartford, Conn., assignor to Underwood Corporation, a corporation of Delaware
Application December 30, 1942, Serial No. 470,677
39 Claims. (Cl. 197-177)



2. In a typewriting machine having a carriage member movable on a frame member, a tabulating mechanism comprising, stop means on one of said members, a stop on the other member projectable into tabulation terminating range with said stop means, means constantly urging projection of said stop, an operable element, and means normally blocking said stop against movement into said range, responsive to the operation of said element to allow projection of said stop, and responsive to tabulation terminating engagement of said stop means with said stop to render the latter retracted.

2,384,061

MODIFICATION OF ROSIN

László Auer, South Orange, N. J.
No Drawing. Application October 12, 1942, Serial No. 461,794
20 Claims. (Cl. 260-106)

18. A process for making a modified rosin product, which process comprises dispersing in the rosin from 0.5% to 30% of an organic compound selected from the class consisting of nitro-compounds and nitroso-compounds, said compound further being soluble in the rosin and being capable of developing an inorganic oxygen-containing acid of nitrogen at elevated temperatures when the compound is dispersed in organic media, and dissolving said compound in and reacting said compound with the rosin by heating the mixture to a temperature between about 100° C. and about 350° C., but not above the temperature at which appreciable destructive distillation occurs under the conditions of the treatment.

2,384,062

PROCESS FOR MODIFYING ROSIN

László Auer, South Orange, N. J.
No Drawing. Application October 12, 1942, Serial No. 461,796
8 Claims. (Cl. 260-106)

1. A process for modifying the properties of rosin which process comprises incorporation in the rosin up to 10% of an oxygen containing inorganic acid of nitrogen, and heating the mixture out of contact with the atmosphere between about 160° C. and 350° C., but not above the temperature at which appreciable destructive distillation of the rosin occurs under the conditions of the treatment, said heating to last at least about one-half hour and not more than about five hours, the resulting modified rosin being in a solid resinous state at room temperature, having a melting point not lower than 65.5° C., as determined by the mercury method.

2,384,063

AMINE TREATMENT OF ROSIN

László Auer, South Orange, N. J.
No Drawing. Application January 25, 1943, Serial No. 473,546
16 Claims. (Cl. 260-106)

15. A process for modifying the properties of rosin comprising heating the rosin to a temperature between about 100° C. and about 310° C. in the presence of from about 2% to about 10% of an aromatic amino-compound selected from the class consisting of amino-compounds having the following general formula, and salts thereof:



where

R=at least 1 aryl radical

b=1-3

X=a substituent selected from the class consisting of nitro-, sulfo-, halo-, alkyl-, aryl-, aralkyl-, acyl-, aracyl-, hydroxy, CHOH, CHO, carboxy, SH, CN, CO, CS and SO radicals, and sulfur and oxygen

a=0-6

c=0 or 1

d=1-4

e=1 or 2

Y=a substituent selected from the class consisting of nitro-, sulfo-, halo-, alkyl-, aryl-, aralkyl-, acyl-, aracyl-, hydroxy, CHOH, CHO, carboxy, SH, CN, CO, CS and SO radicals, and sulfur and oxygen

f=0-4.

2,384,064

TREATMENT OF ROSIN WITH AMINES

László Auer, South Orange, N. J.
No Drawing. Application January 25, 1943, Serial No. 473,547
9 Claims. (Cl. 260-106)

4. A modified rosin comprising rosin reacted with from about .1% to about 10% of an aromatic mono-primary amino-compound.

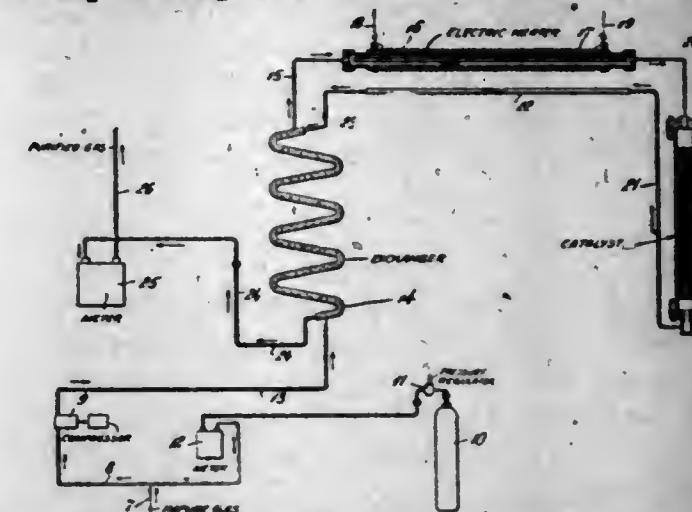
2,384,065

PURIFICATION OF GASES

Frederick R. Balcar, Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application July 18, 1941, Serial No. 402,999
2 Claims. (Cl. 23-2)

1. The method of removing small quantities of oxygen present as an impurity in nitrogen, to produce nitrogen containing not more than

0.001% of oxygen, the essential features of which consist in adding the amount of hydrogen necessary to combine with the oxygen present in the gas, compressing the mixture, heating the mix-



ture to a temperature of about 250° C., and passing the heated mixture at a space velocity of 5,000 to 10,000 volumes of gas per volume of catalyst per hour over a catalyst consisting of activated alumina impregnated with silver.

2,384,066

PRODUCTION OF ACETALDEHYDE FROM ETHYL ALCOHOL BY PARTIAL OXIDATION

Frederick R. Balcar, Stamford, Conn., assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware

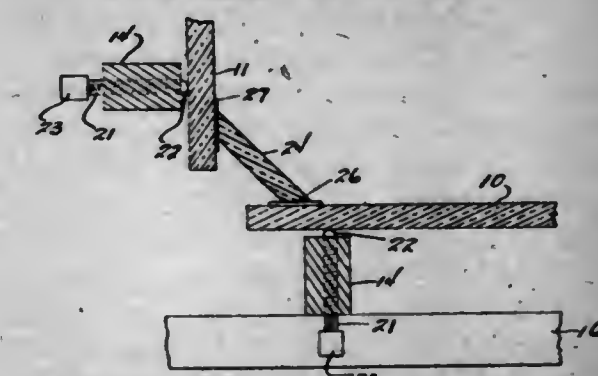
No Drawing. Application November 5, 1943, Serial No. 509,124
4 Claims. (Cl. 260-603)

1. The method of producing acetaldehyde by oxidation of ethyl alcohol which comprises establishing a bed of massive silver in the form of short rods having spacing means integral therewith, heating the catalyst bed to a temperature of 300-400° C., forming a mixture of ethyl alcohol vapor and air containing alcohol vapor in excess so that the heat capacity of the mixture formed is equivalent to the heat capacity of about one-half pound of water per cubic foot of oxygen supplied, preheating the mixture, contacting it with the catalyst bed at an elevated temperature to cause reaction between the oxygen and the alcohol and regulating the preheat temperature so that the temperature of the mixture after leaving the catalyst is about 530-550° C.

2,384,067

TANK CONSTRUCTION

Elmer J. Ballintine, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application November 19, 1943, Serial No. 510,933
3 Claims. (Cl. 206-2)



1. A container construction comprising plates of glass constituting side walls, said plates being disposed in a supporting framework, screws extending through the framework and engaging the outer faces of the plates constituting the side

walls whereby the position of the plates can be accurately adjusted and sealing strips for the angles between the plates, said sealing strips comprising narrow glass bars having the edges thereof accurately beveled to fit the contiguous faces of the glass plates, the beveled edges constituting the bearing surfaces of the strips, said sealing strips being held in position at least in part by hydrostatic pressure of liquids in the container.

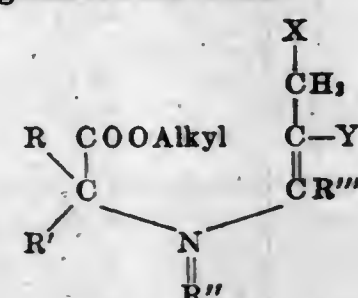
2,384,068

MANUFACTURE OF AMINOALKYLIDENE SUCCINIC ACID DERIVATIVES

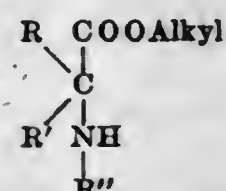
Franz Bergel and Aaron Cohen, Welwyn Garden City, England, assignors to Roche Products Limited, Welwyn Garden City, Hertfordshire, England

No Drawing. Application August 19, 1942, Serial No. 455,383. In Great Britain August 20, 1941 7 Claims. (Cl. 260-465)

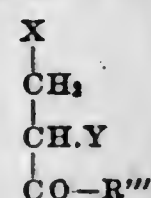
1. A process for the manufacture of an N-substituted aminoalkylidene succinic acid compound selected from the group consisting of esters and nitriles of the general formula:



which comprises reacting an amino ester of the general formula:



with a monoacylsuccinic acid compound selected from the group consisting of esters and nitriles of the general formula:



where R, R' and R'' are selected from the group consisting of hydrogen and alkyl, and R'' is selected from the group consisting of hydrogen, alkyl and aralkyl radicals, X is selected from the group consisting of COO-alkyl and nitrile radicals, and Y is selected from the group consisting of COO-alkyl and nitrile radicals.

2,384,069

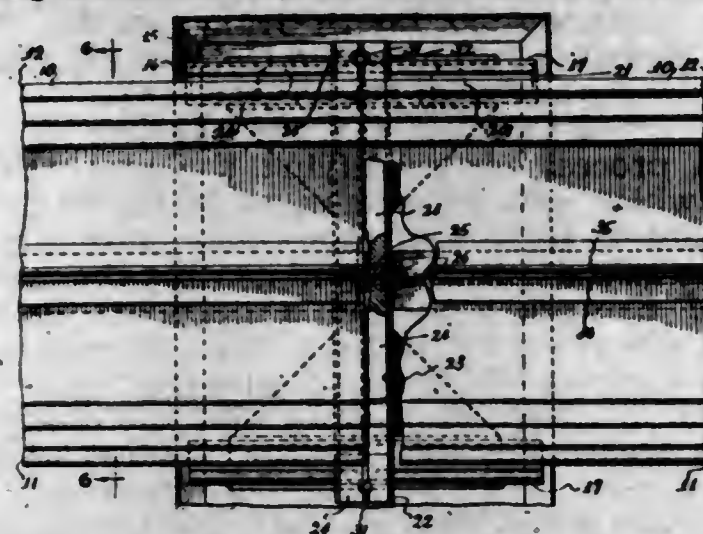
SHAKER CONVEYER TROUGH

Roy S. Bigelow, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application March 31, 1944, Serial No. 528,837 14 Claims. (Cl. 198-220)

1. A sectional shaker conveyor trough having two partial trough portions abutting at their bottoms along a line extending longitudinally of said trough, to form a single trough having opposite side walls, means for connecting said trough portions together along said abutting edges, and means for maintaining a tight joint between said trough portions and for restraining upward or downward movement of the longitudinal abutting edges of said trough portions with

respect to each other about their outer edges including members depending from the bottoms of



said trough portions and adapted to form a longitudinal abutting joint spaced from the abutting edges of said trough portions.

2,384,070

MILLING RESINS WITH THIOLS

Elmer Keiser Bolton, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 15, 1940, Serial No. 345,623

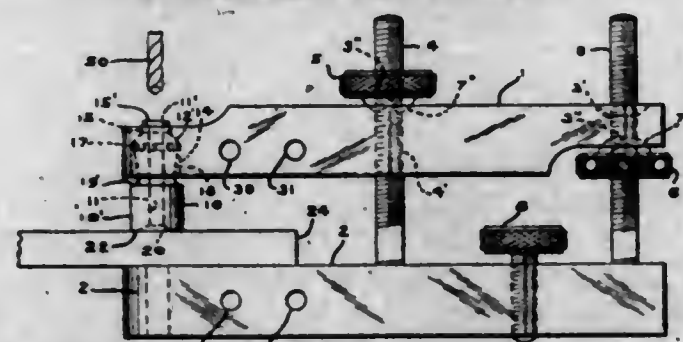
6 Claims. (Cl. 260-83)

3. A resinous, homopolymeric methyl methacrylate polymer of reduced solution viscosity in 25% solution in toluene having an organic thiol effectively stable and non-volatile at milling temperature milled therein at 125°-200° C. until the solution viscosity in 25% solution in toluene is substantially reduced.

2,384,071

INSTRUMENT FOR LOCATING AND SPACING BORED HOLES

Samuel R. Boyer, Westminster, Md. Application November 23, 1943, Serial No. 511,428 3 Claims. (Cl. 77-62)



1. In an instrument for locating and spacing holes to be bored with their axes normal to a surface of the work and of a predetermined precise diameter, the combination of a drill centering and aligning button having a longitudinal bore concentric with the button axis and of predetermined size whereby it is adapted to fit a drill of corresponding diameter, two approximately parallel clamping arms between which the work is to be located, the button having a universal engagement with one said arm concentric with the button axis and extending therefrom toward the second said arm, the button further having a work contacting end at right angles to said axis and disposed toward said second arm, and clamping means for forcing said arms one toward the other to clamp the work between said contacting end and said second arm with the button axis normal to said work surface, comprising two screws fixed in the second said arm, a nut on each said screw, one screw and nut intermediate the length of said arms exerting tension on said arms, and the other screw and nut between the

ends of said arms remote from the button exerting a thrust on said arms, spherical seats in the first said arm for said nuts and spherical faces on said nuts contacting said seats when in clamping position, the universal connections of said clamping means cooperating with the universal engagement of said button with the first said arm allowing the normal clamping of said button to the work without bringing the arms to parallel position one with the other.

2,384,072

PHOTOGRAPHIC EMULSION LAYERS

Merlin Martin Brubaker, Boothwyn, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 4, 1944, Serial No. 534,157

4 Claims. (Cl. 95-7)

1. A photographic element comprising a support bearing at least one water-permeable layer consisting of a hydrophilic synthetic linear poly-carbonamide containing recurring intralinear oxygen atoms and recurring intralinear amide groups, said oxygen atoms being present in the ratio of one atom to each 7 to 16 carbon atoms, which is insoluble in water at 20° C., but soluble to the extent of at least five per cent in water containing 40 per cent ethanol at 70° C., said layer having light-sensitive silver halides dispersed therethrough.

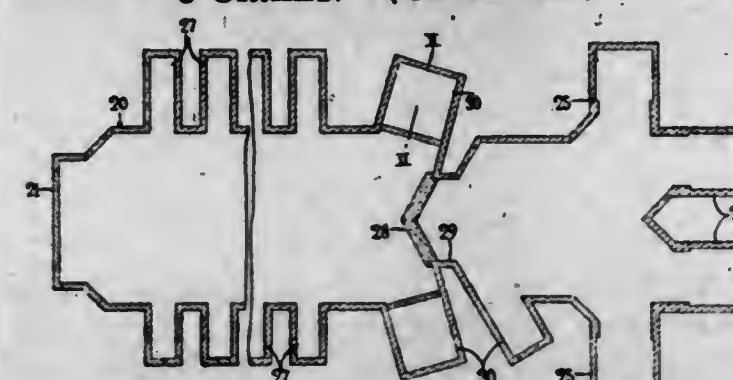
2,384,073

APPARATUS FOR REFINING GLASS

George D. Campbell, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application June 5, 1942, Serial No. 445,897

8 Claims. (Cl. 49-54)



1. In a glass melting tank for containing a molten glass bath normally flowing through the tank at predetermined level, a skim kiln extending outwardly from one side of the tank in communication therewith, refractory means extending transversely of the skim kiln beneath the molten glass level therein and spaced from the bottom of the tank to receive portions of the molten bath flowing into the kiln above the refractory means and out of the kiln below the refractory means.

2,384,074

UNSATURATED CARBAMIC ACID ESTERS

Albert G. Chenicek, Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application June 16, 1941, Serial No. 398,317

7 Claims. (Cl. 260-78)

4. A diester of N-alkylidene bis (carbamic acid) and a monohydric unsaturated alcohol having its unsaturation in a straight carbon chain between the second and third carbon atoms from the hydroxyl group.

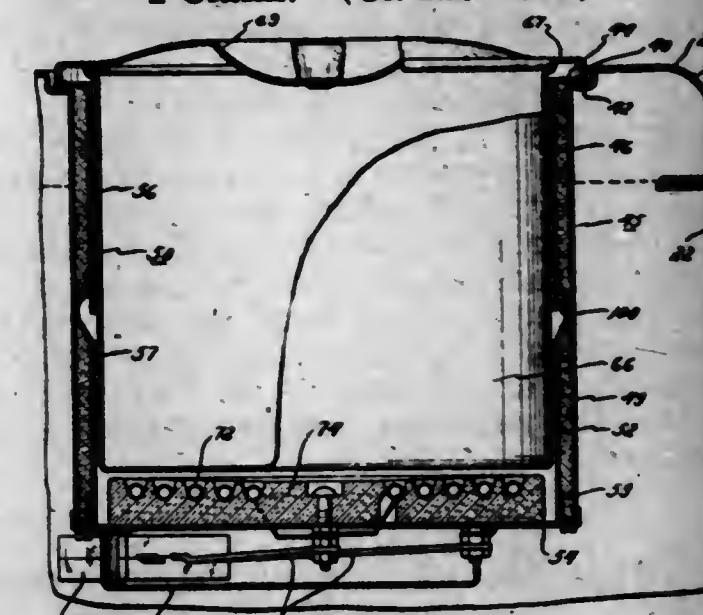
2,384,075

RANGE APPARATUS

Hursle E. Cossin, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland

Application July 29, 1942, Serial No. 452,744

1 Claim. (Cl. 126-374)



In a cooking well having spaced inner and outer side walls and a bottom wall, heat insulation between said spaced side walls, said inner side wall having upper and lower sections in telescoping arrangement, the lower section having a depressed portion forming with the telescoping upper section a pocket, said pocket being in open communication with the well and a control element positioned in said pocket.

2,384,076

CARTON

John W. Cox, Chicago, Ill., assignor to Self-Locking Carton Co., Chicago, Ill., a corporation of Illinois

Application March 1, 1943, Serial No. 477,527

1 Claim. (Cl. 229-29)



A cellular carton comprising a pair of body blanks each creased and bent on parallel longitudinal fold lines to form a relatively narrow partition panel, a bottom panel, a side wall panel, a cover panel and a relatively wide tuck flap, the bottom panel and a portion of the side panel being provided with a plurality of identical parallel slots extending transversely thereof, each slot traversing the entire width of the bottom panel and a substantial portion of the width of the aforesaid side wall panel; and a plurality of cross partition members each provided with a medial slot extending downwardly from its upper margin, said partition members having a retaining member extending transversely of the medial slot and dividing the same into upper and lower portions of vertical dimensions substantially equal to the widths of the tuck flap and partition panel respectively; the two body blanks being disposed with their partition panels in side by side relation and retained in the lower portions of the medial slots of the cross partition members, the lower portions of the cross partition members extending through the bottom panel slots and, when the carton is closed, the tuck flaps being retained in side by side engagement in the upper portions of said medial slots in approximate vertical alignment with the partition panels.

2,384,077

MANUFACTURE OF CHOCOLATE CONFECTIONS

Raymond W. Crosley and Herbert W. Conner, Chicago, Ill., assignors to Wm. Wrigley, Jr. Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application September 27, 1943, Serial No. 504,054

15 Claims. (Cl. 99-23)

1. In a method of preparing chocolate confections having the property of withstanding elevated temperatures without undue softening, the steps which include providing a substantially solid mixture including mainly chocolate and a sugar, subjecting the resulting mixture to cold-working while preventing the temperature of the mixture from exceeding approximately 83 degrees F., and compacting the resulting product to form a solid, dense block.

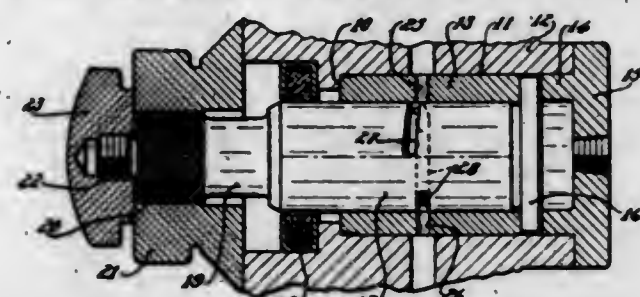
2,384,078

THROTTLE VALVE FOR MACHINE TOOL CONTROL

Frank W. Curtis, Springfield, Mass., assignor to Van Norman Company, a corporation of Massachusetts

Application March 5, 1941, Serial No. 381,780

1 Claim. (Cl. 251-156)



A throttle valve for speed control of hydraulically operated machine tools and the like, comprising a casing having a shouldered bore, a sleeve fitting into the bore with one end against the shoulder, a plug fitting into the sleeve and provided with a circumferential flange abutting the second end of the sleeve, a cap engaging the opposite side of the flange, a port in the sleeve, a groove peripherally formed in the plug and having an axially inclined portion positioned to uncover the port progressively during the rotation of the plug, and a second port in the sleeve, said groove having a second portion positioned to connect with the second port throughout the active rotation of the plug.

2,384,079

HOSIERY

Robert E. Davis, Fort Payne, Ala., assignor to W. B. Davis & Son, Inc., Fort Payne, Ala., a corporation of Alabama

Application July 24, 1943, Serial No. 496,041

3 Claims. (Cl. 66-182)



1. A seamless hose including a top, a leg portion and foot portion, said leg portion and

said foot portion comprising tubular plain knit fabric whose courses extend entirely around the tube of the hose, said leg portion and foot portion having a heel pocket therebetween of plain knit fabric having courses extending part way around the tube of the hose, and a toe portion comprising tapered side flaps having curved cut edges, said side flaps comprising plain knit fabric having terry loops on the inside and whose courses extend continuously from edge to edge, a stitched seam connecting said curved cut edges, said seam comprising parallel welts formed by said edges projecting on the inside of the hose, an outer thread on the outside of the hose and passing through said welts, and an inner thread interengaged with said outer thread and binding the edges of said welts, said terry loops cushioning said seam, said seam extending from a midpoint on the top of the toe to a midpoint on the bottom of the toe in such position as to be adjustable between the toes of the wearer.

2,384,080

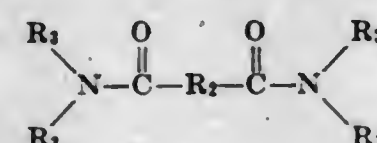
SUBRESINOUS ESTERIFICATION DERIVATIVES OF HYDROXYLATED ACYLATED DIAMIDES AND METHOD OF MAKING SAME

Melvin De Groot, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Original application June 15, 1942, Serial No. 447,166. Divided and this application August 2, 1943, Serial No. 497,133

10 Claims. (Cl. 260-404.5)

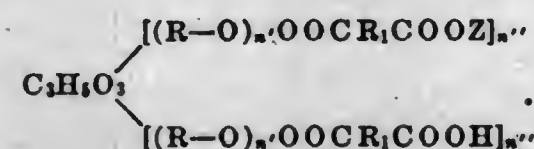
1. The sub-resinous ester-linked acylated derivatives of a hydroxylated acylated diamide of the formula:



in which



in the acyl radical of a polycarboxy acid having not more than 6 carbon atoms and R_2 is selected from the class consisting of hydrogen atoms, alkyl radicals, and esterified alkyl radicals, in which the acyl radical of the ester group is that of a detergent-forming monocarboxy acid having at least 8 carbon atoms and not more than 32 carbon atoms, and with the proviso that there shall be present at least one alcoholic hydroxyl radical and at least one of the aforementioned high molal monocarboxy acyl radicals; the acyl group substituted for a reactive hydroxyl hydrogen atom of said acylated diamide being the acyl radical of an acidic fractional ester of the formula:



in which $-OOCR_1CO-$ is the acyl radical of a polycarboxy acid having not over 8 carbon atoms; Z represents a metallic cation; $R-O$ is a member of the class consisting of ethylene oxide radicals, propylene oxide radicals, butylene oxide radicals and glycid radicals, and n' represents a numeral varying from 3 to 10, and n'' represents a numeral varying from 0 to 2, and n''' represents a numeral varying from 1 to 3, with the proviso that the sum of $n''+n'''=3$.

2,384,081

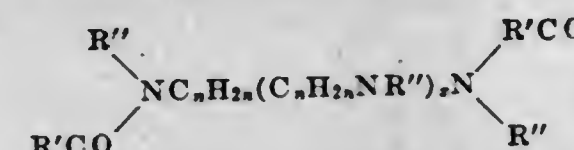
ESTERIFICATION DERIVATIVES OF POLY-ACYLATED AMIDES AND METHOD OF MAKING SAME

Melvin De Groot, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Original application June 15, 1942, Serial No. 447,167. Divided and this application August 2, 1943, Serial No. 497,134

10 Claims. (Cl. 260-404.5)

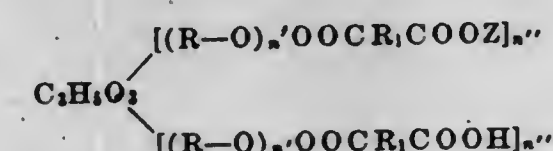
1. The sub-resinous alcoholic hydroxyls containing diacylated ester-linked acylated derivatives of a basic polyamine of the following formula:



in which n represents a small whole number varying from 2 to 10; x represents a small whole number varying from 1 to 10; $R'CO$ is an acyl radical of a lower molecular weight carboxy acid having less than 6 carbon atoms; R'' is a member of the class consisting of hydrogen atoms, alkyl radicals, hydroxyalkyl radicals and acyloxy-alkylene radicals in which the acyl radical is RCO ; the polyamine is further characterized by the fact that there must be present a member of the class consisting of:

- Acyloxyalkylene radical in which the acyl group is RCO ; and
- Joint occurrence of an amido radical in which the acyl group is RCO and a hydroxyalkyl radical;

in all occurrences RCO is a detergent-forming monocarboxy acyl radical having at least 8 and not more than 32 carbon atoms; the acyl group substituted for a reactive hydroxyl hydrogen atom of said acylated basic hydroxylated amine being the acyl radical of an acidic fractional ester of the formula:



in which $-OOCR_1CO-$ is the acyl radical of a polycarboxy acid having not over 8 carbon atoms; Z represents a metallic cation; $R-O$ is a member of the class consisting of ethylene oxide radicals, propylene oxide radicals, butylene oxide radicals and glycid radicals, and n' represents a numeral varying from 3 to 10, and n'' represents a numeral varying from 0 to 2, and n''' represents a numeral varying from 1 to 3, with the proviso that the sum of $n''+n'''=3$.

2,384,082

CASH REGISTER

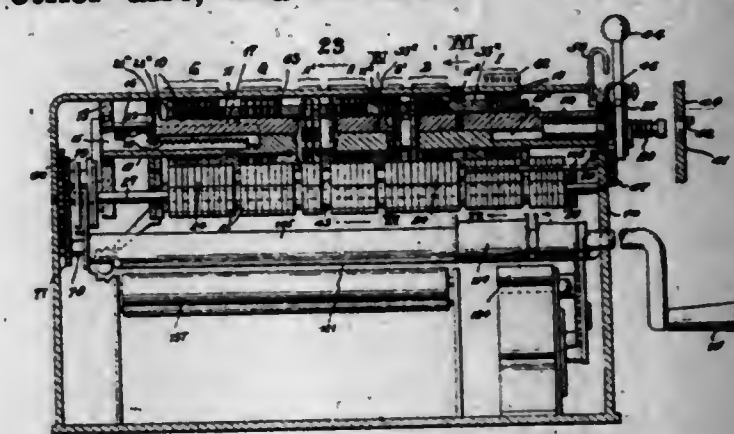
Marcel Demeulenaere, Flushing, N. Y.

Original application April 18, 1935, Serial No. 17,119, now Patent No. 2,282,120, dated May 5, 1942. Divided and this application March 4, 1942, Serial No. 433,397. In Belgium January 26, 1935

17 Claims. (Cl. 235-138)

16. In combination, a totaliser including denominational discs, a transfer member rocked in one direction and conditioned for operation by one of said discs, means for operating the condi-

tioned member to effect a transfer movement of the other disc, and means for withdrawing the



operated member in its entirety from said discs and rocking said member in the opposite direction.

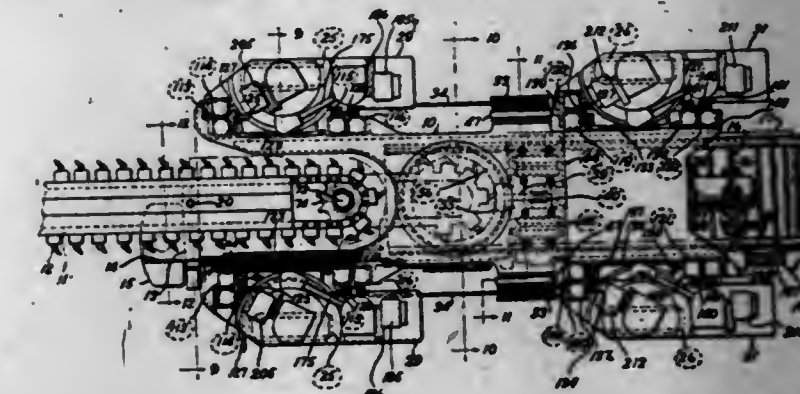
2,384,083

KERF-CUTTING MACHINE

Edward J. Doberstein, Blue Island, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application October 21, 1942, Serial No. 462,789

21 Claims. (Cl. 262-28)



3. In a kerf-cutting machine, an elongated frame having a cutter bar projecting from the forward end thereof, a plurality of wheels for supporting said frame for movement along the ground, power means for driving said wheels, a vertical pivotal support mounting for each of said wheels, permitting said wheels to be turned for supporting and moving said frame longitudinally with respect to a coal face or transversely thereacross.

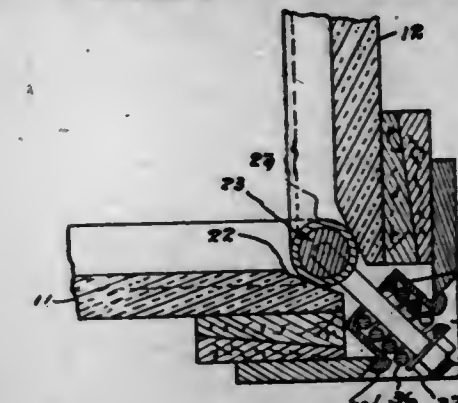
2,384,084

CONTAINER FOR CORROSIVE LIQUIDS AND OTHER SUBSTANCES

Daniel T. Downes, Creighton, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application November 4, 1943, Serial No. 508,918

7 Claims. (Cl. 206-2)



1. A glass container for corrosive liquids and the like comprising plates of glass set up in angular relation with respect to each other to form the side walls of the containers, said plates having contiguous edges beveled to provide inwardly flared crevices, the outsides of the angles between the plates being covered with angle irons and the insides of the crevices being sealed by

means of rods engaging the contiguous edges of the plates of glass and being drawn outwardly by means of screws threaded into the rods, said rods being covered with a yieldable material maintaining secure contact with the contiguous glass surface, said screws being provided with nuts and springs under compression between the nuts and the angle irons in order yieldably to maintain the rods in position.

2,384,085

PROCESS OF FORMING A CLEAR PLASTICIZED STYRENE-MALEIC ANHYDRIDE RESIN

Howard L. Gerhart, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application April 3, 1941,
Serial No. 386,687

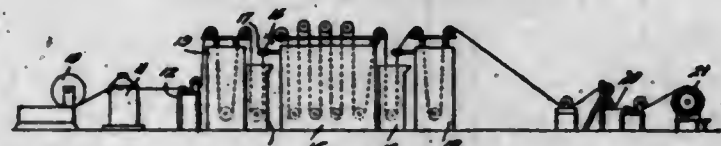
4 Claims. (Cl. 260-36)

1. A method of forming clear, hard and strong plasticized bodies of styrene-maleic anhydride resin, which method comprises admixing styrene, maleic acid and dimethyl phthalate and then subjecting the styrene and maleic acid to polymerization to form the resin in the presence of dissolved plasticizer.

2,384,086

METHOD OF MAKING TIN PLATE

Charles E. Glock, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application December 22, 1939, Serial No. 310,650
3 Claims. (Cl. 204-36)

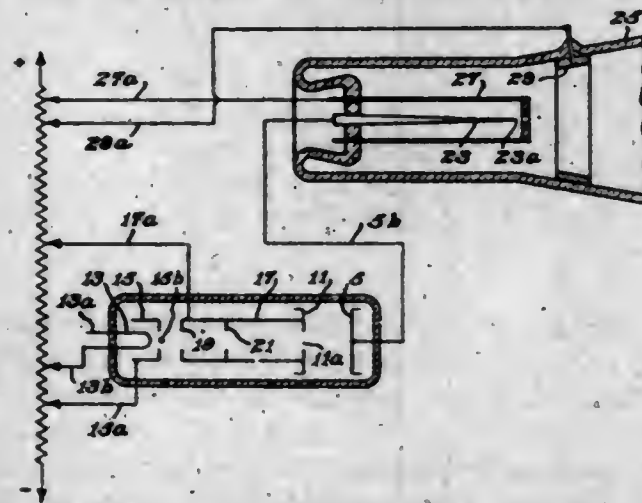


1. The method of making tin plate which comprises electrolytically coating tin on iron strip and cold rolling the coated metal with rolls rotating at uniform speed and under a pressure of from 250,000 pound to 500,000 pounds to elongate the metal at least $\frac{1}{8}$ inch for any linear 25 inches in a single pass through the rolling instrumentality and to impart a smooth, lustrous surface to the electroplated strip.

2,384,087

CURRENT LIMITER

Robert R. Goodrich, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 1, 1942, Serial No. 437,168
6 Claims. (Cl. 171-312)



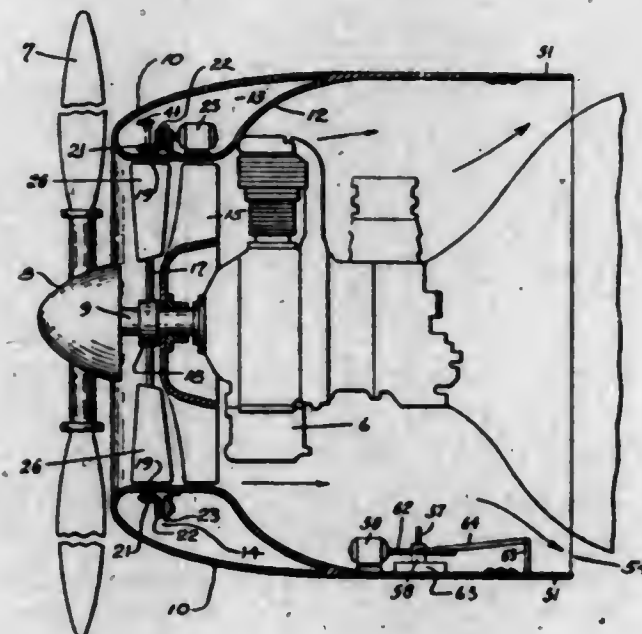
1. A system consisting of a current limiter comprising an evacuated envelope containing an

electron emissive cathode and an anode, and a utilization circuit connected to said anode, said utilization circuit including a path of variable resistance, and electrode means of negligible capacitance between said cathode and anode for maintaining a constant flow of electrons therebetween substantially independent of variations in the resistance of said utilization circuit.

2,384,088

FAN COOLING SYSTEM

Harold F. Hagen, Millis, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.
Application June 29, 1943, Serial No. 492,713
18 Claims. (Cl. 244-53)



1. A system for cooling a heat exchange surface in a vehicle moving through air, comprising means defining an air passage for taking in air from the direction of movement of the vehicle and for discharging the air from the vehicle towards the rear thereof, said passage enclosing said surface, a fan in said passage for moving air therethrough, means for controlling the volume of air moved by said fan, means including means responsive to variations in the temperature of said surface for adjusting said volume control means for varying the volume of air through said passage, means for varying the air discharge area of said passage, and means including means responsive to variations in the relative velocity between said vehicle and the airstream for adjusting said discharge area varying means.

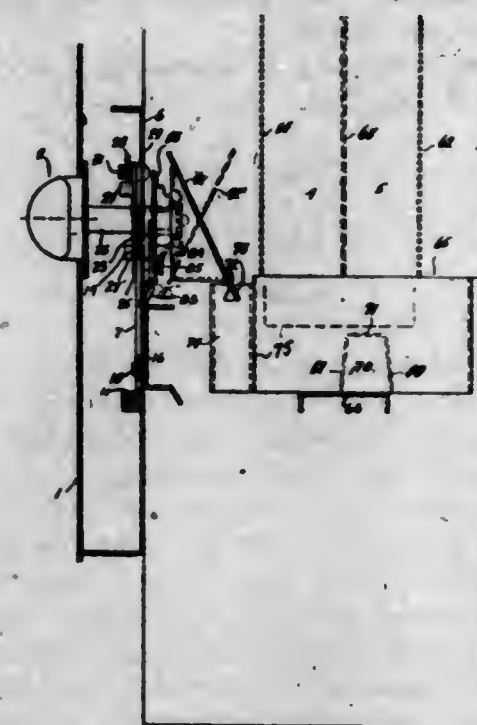
2,384,089

VENDING MACHINE

Ernest W. Handley, Arlington, and Walter Segerstrom, Somerville, Mass.
Application November 21, 1939, Serial No. 305,428
7 Claims. (Cl. 312-67)

1. In a vending machine of the type described, a cabinet having a forward and rear compartment adapted to hold the products to be vended open at the bottom, a reciprocating tray open at the top and bottom and having a central member positioned to extend under a part of either of said compartments, said tray being positioned beneath said compartments, a bracket for supporting the tray, means for reciprocating said tray between the forward and the rear compartments comprising a shaft having an axis in the direction of motion of said tray, a cam operated by said shaft having an effective operating plane at

an angle other than normal to the axis, said tray carrying a member having a wedge shaped slot



engaging the periphery of said cam whereby when said shaft is rotated said tray will be reciprocated in the direction of said shaft.

2,384,090

WELL TOOL

Lee Hartsell, Houston, Tex.
Application October 20, 1944, Serial No. 559,592
6 Claims. (Cl. 294-86)

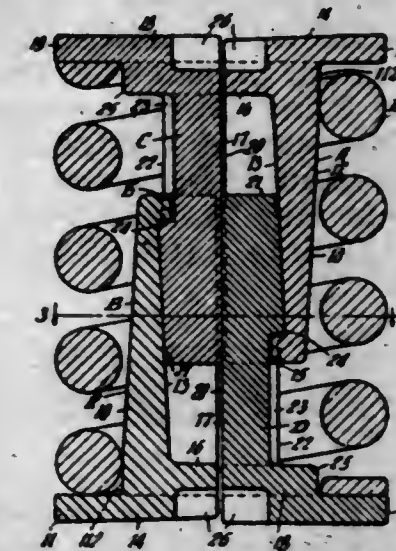


1. A valve unit for interposition in a tool string between a pipe (such as a drill pipe or a bailer pipe) and a ported tool, comprising two telescoping elements one adapted for attachment to the pipe and the other for attachment to the tool, said elements affording a continuous longitudinal passage communicating at its upper end with the pipe and at its lower end with the port in the tool; stop and guiding means between said elements serving to inhibit relative rotary movement and to limit the relative axial movements in both directions; a check valve controlling said passage; elastic means biasing said valve in a closing direction; and a part carried by one of said members and arranged to unseat said valve when the members are telescoped and allow it to seat at other times.

2,384,091

FRICITION SHOCK ABSORBER

Stacy B. Haseltine, La Grange, and George E. Dath, Chicago, Ill., assignors to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application December 22, 1943, Serial No. 515,212
16 Claims. (Cl. 267-9)

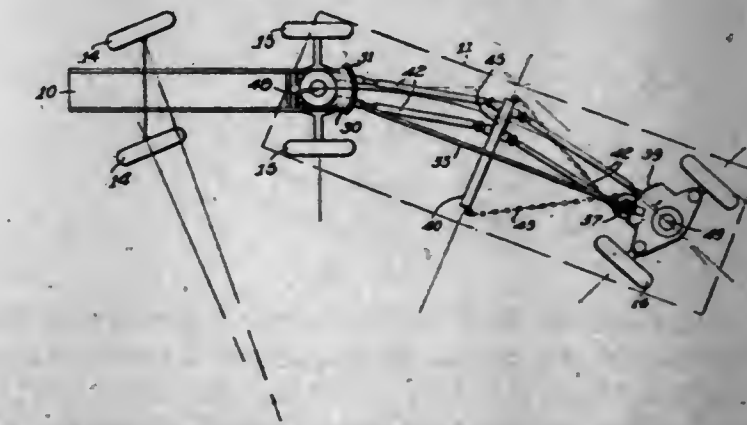


1. In a friction shock absorber, the combination with a pair of upper and lower friction members disposed at diametrically opposite sides of the mechanism and having cooperating, lengthwise extending, interengaging friction surfaces on their inner sides, said members being slidable lengthwise with respect to each other; of an additional pair of upper and lower friction members disposed respectively on opposite sides of said first named friction members and having sliding frictional engagement with the outer sides of said first named upper and lower members, respectively, each of said upper and lower members having a laterally extending flange projecting from the outer side thereof; and a spring surrounding said upper and lower members, said spring being interposed between and engaging said flanges of said upper and lower members to oppose relative approach of said upper and lower members lengthwise of the mechanism, said spring opposing lateral separation of said members.

2,384,092

MECHANICAL DRIVE MECHANISM FOR VEHICLES

Zsigmond Hollos, New York, N. Y.
Application July 27, 1943, Serial No. 496,333
5 Claims. (Cl. 180-14)



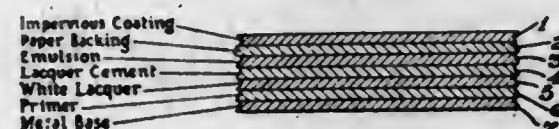
1. A vehicle comprising a tractor having a pair of front steering wheels and a pair of rear non-steering wheels, a trailer pivotally mounted at the front end on the rear part of the tractor and having a pair of steering wheels on the rear end thereof, a driving transmission shaft mechanism extending from the rear non-steering wheels for driving the rear steering wheels of the trailer, said shaft mechanism having means to provide for lateral adjustment thereof, means connected to the tractor for operating the steering wheels of the trailer when the vehicle traverses a curve, and

means on the trailer for laterally shifting the transmission shaft mechanism operable by the first-mentioned means to shift the transmission shaft mechanism simultaneously with the shifting of the steering wheels of the trailer.

2,384,093

PHOTOGRAPHIC TRANSFER PAPER

Reynold E. Holmen, Lansdowne, Pa., and Ronald A. McGlone, Flint, Mich., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 18, 1944, Serial No. 522,888
7 Claims. (Cl. 95-8)

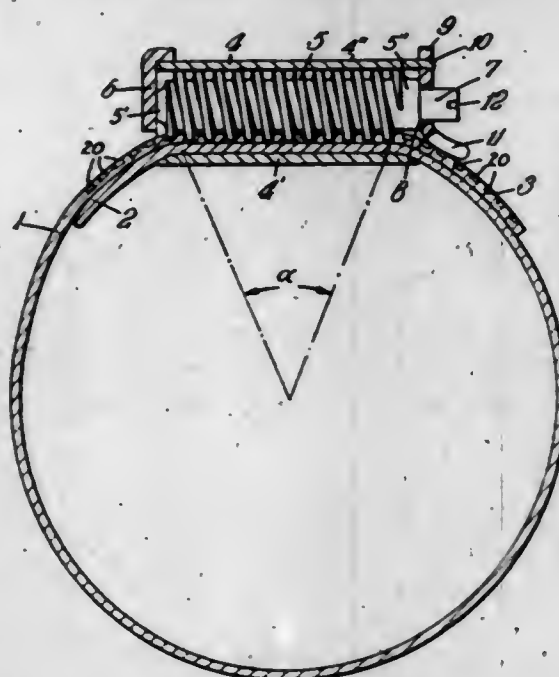


7. A photographic template comprising a metal base primed with an oleaginous primer and having superimposed thereon in order a cement, a photosensitive emulsion, paper and a gas impervious coating, the bond between the said photosensitive emulsion and cement being stronger than the bond between the said emulsion and the paper.

2,384,094

CLIP FOR HOSE AND THE LIKE

Robert Cuthbert Scott Jamie, Pathlow, near Stratford-on-Avon, England, assignor of one-half to Hunt & Turner Limited, Birmingham, England, a corporation of Great Britain
Application February 25, 1943, Serial No. 477,064
In Great Britain August 19, 1942
5 Claims. (Cl. 24-19)



1. In a clip for tightening a circular metal band having an underlapping end and a transversely slotted overlapping end, the combination with a housing to engage the underlapping band end and a worm rotatably mounted in said housing of a guide plate for said overlapping band end, said guide plate forming part of said housing and including an upper straight surface extending parallel to said worm and having a length at least equal to the threaded part of the latter, the overlapping band end passing between said worm and said guide plate in a straight line whereby all the teeth formed by the thread of the worm engage always equally deep into a corresponding number of slots of said overlapping band end.

2,384,095

ROD COUPLING

Frank S. Keahey, Sturgis, Mich., assignor, by direct and mesne assignments, to Kirsch Company, Sturgis, Mich.
Application January 3, 1944, Serial No. 516,797
9 Claims. (Cl. 287-87)

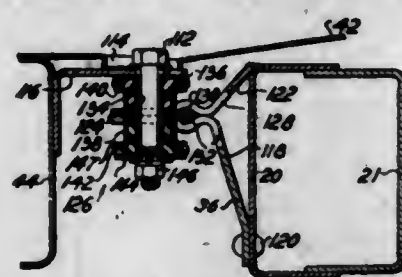


2. In a coupling, the combination of a socket member having an internal annular bearing of concave section, a main ball member having an axial coupling pin opening and having opposed segmental bearing portions of convex section adapted to coact with the internal bearing of said socket member, said main ball member having opposed flattened surfaces between its said segmental bearing portions, and segmental auxiliary ball members having segmental bearing portions of convex section complementary to said bearing portions of said main ball member and having flattened inner side surfaces superimposed upon the flattened surfaces of said main ball member, and means extending between the superimposed flattened surfaces of the main and auxiliary ball members for securing the auxiliary ball members to the main ball member whereby the ball members are retained in assembled relation permitting the assembled ball members to be angularly adjusted to bring their bearing portions into coacting bearing relation to said socket member.

2,384,096

BODY MOUNT

Floyd F. Kishline, Kenosha, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application November 14, 1940, Serial No. 365,611
15 Claims. (Cl. 296-35)

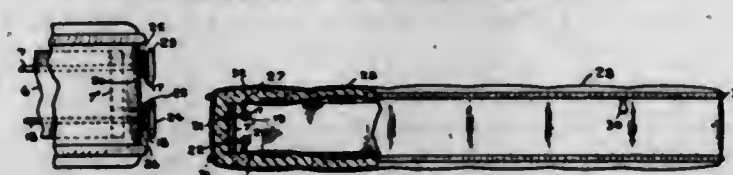


1. In an automobile, a frame, a body, bolts attached to said body, deformable insulators compressed around said bolts, and means for clamping said insulators with respect to said frame in any one of a plurality of adjusted positions, said clamping means being releasable without affecting the compression of said insulators.

2,384,097

MATRESS

Alfred Klazkin, Brooklyn, N. Y.
Application March 25, 1943, Serial No. 480,426
2 Claims. (Cl. 5-345)



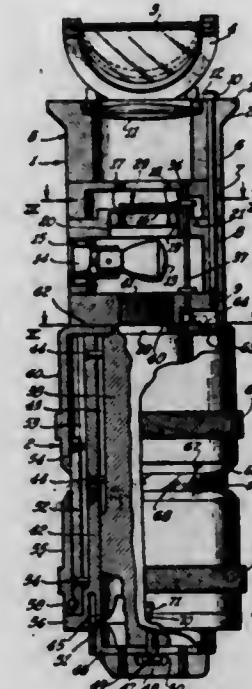
1. In a mattress, the combination of an oblong rigid frame, cross interlacing webbing strips secured crosswise and lengthwise to both the top and bottom of said frame and a single means for increasing the tension of the lengthwise webbing

elements uniformly on the top and bottom respectively at one end, comprising two rollers mounted inside one end of said frame, each roller having one end projecting from the frame with the other end disposed interiorly thereof to each of which one set of lengthwise webbing elements is secured, turning handles secured to the projecting ends of said rollers, a ratchet and a pawl mounted on said frame adjacent said handles for securing said rollers against release as the lengthwise elements are tightened thereby.

2,384,098

RANGING DEVICE

Wolfgang B. Klemperer, West Los Angeles, Calif.
Application February 8, 1943, Serial No. 475,222
5 Claims. (Cl. 88-2.3)



1. In a ranging device, a collimating sight defining a sighting line and including a reticule defining a reference line in the field of view of said sight and extending transversely of said sighting line, a light intercepting member positioned closely adjacent to said reticule, means mounting said member for movement from a rest position in a plane substantially parallel to the plane of said reticule, said member including means for indicating in the field of view of said sight a distance along said reference line proportional to the extent of movement of said member from said rest position, control means for moving said member to a position defining a distance in said field of view equal to the apparent length of an object of known length situated in said field of view, computing means for computing the range of said object relative to said sight from input values comprising the known length of said object, the angular disposition of said length relative to said sighting line and the extent of movement of said member, and indicating means coacting with said computing means to indicate the value of the range corresponding to said input values.

2,384,099

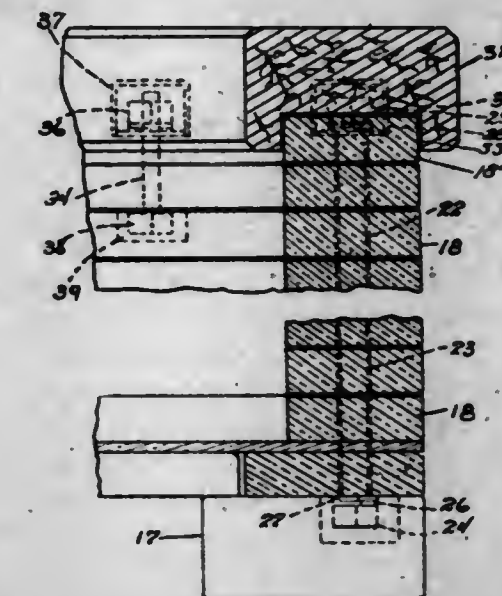
CONTAINER FOR CORROSIVE SUBSTANCES

Percy E. Knudsen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application June 5, 1943, Serial No. 489,787
3 Claims. (Cl. 206-2)

1. A container for corrosive substances comprising narrow plates of glass laid up flat in face to face contact to provide side walls, said plates

578 O. G.-6

being bonded together at their contiguous faces by means of a corrosion resistant cement, the plates upon a side wall extending from corner to corner of the container and being of the same length and alternately being staggered to the right and left in the plane of the side wall in which they are disposed to provide dentures intermeshing with similar dentures from a contiguous side wall, the projecting end portions of

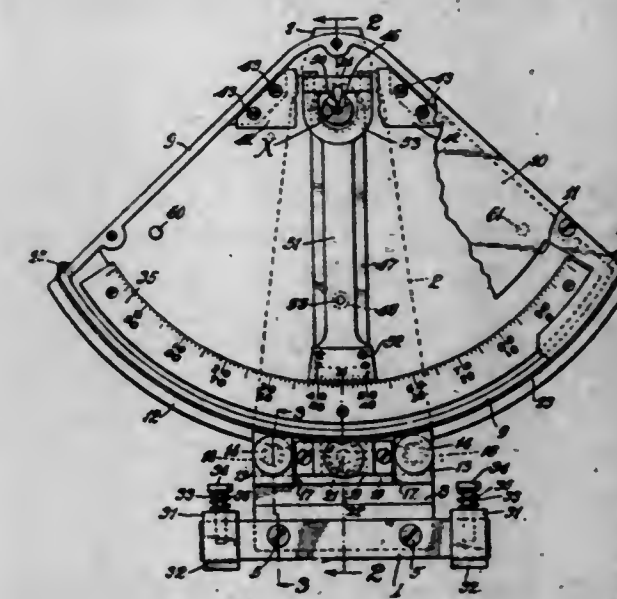


the plates being bored to receive through bolts locking the side walls together the bolts further having nuts threaded upon their upper extremities, the nuts being covered by inverted glass cups, the lower edges of the cups being countersunk into the upper face of the dentures provided by the uppermost plates of the side walls in order to exclude corrosive fluids from contact with the nuts.

2,384,100

PROTRACTOR

Richard Roy Knudsen, Chicago, Ill.
Application March 27, 1943, Serial No. 480,744
6 Claims. (Cl. 33-219)

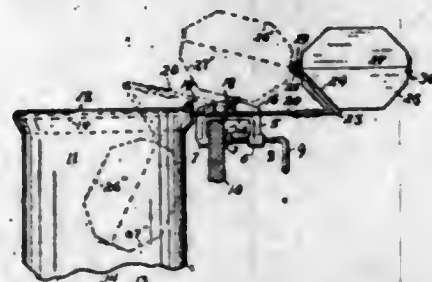


1. In a pendulum protractor, a base element adapted to be opposed to a surface to be gauged, a support on said base element, an arcuate scale member rotatably adjustable on said support about a center remote from said base element, means for adjusting said scale in relation to said support, means for locking it in adjusted position, and a pendulum mounted for rotation about an axis concentric with the axis of rotation of said scale, said pendulum having at its lower end an indicating scale positioned closely adjacent said scale, and a weight mounted for limited independent movement co-axially with the pendulum and a connection between said weight and pendulum adapted to prevent substantial relative movement.

2,384,101

BAIT CAN AND FISH SACK HOLDER

Edward H. Kruse, Fort Wayne, Ind.
Application January 31, 1944, Serial No. 520,387
11 Claims. (Cl. 43-55)



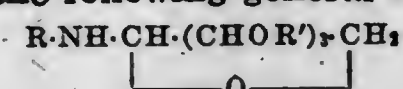
1. In an equipage for fishermen, a combined fish sack and bait can holder consisting of a clamp adapted to be detachably secured on a support, said clamp having laterally extending sides, a frame hingedly secured to said clamp, movement thereof being limited by said sides, a sack secured pendently to said frame, a bracket hingedly secured to said clamp having movement thereon limited by said sides provided with divergent branches having intumed ends, and a bait receptacle constituted of two trays hingedly connected together, the hinges for which have hollow pintles in which said intumed ends extend, wherefore said receptacle is hingedly supported on the bracket, the arrangement being such that said receptacle is movable into and supported in selected positions when said bracket is disposed in its innermost position, or into said sack when said bracket is swung into its outboard position.

2,384,102

AROMATIC AMINE-N-PENTAPYRANOSIDES AND PROCESS FOR THE MANUFACTURE OF SAME

John Lee, Essex Fells, Ulrich V. Solmsen, Clifton, and Leo Berger, Nutley, N. J., assignors to Hoffmann-La Roche, Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application September 30, 1943, Serial No. 504,442
13 Claims. (Cl. 260-211)

13. A compound selected from the group consisting of aromatic amine N-pentosides corresponding to the following general formula



wherein R is an aromatic radical and R' is a radical selected from the group consisting of hydrogen and acyl, and soluble alkali metal and ammonium salts of these pentosides.

2,384,103

PROCESS FOR THE MANUFACTURE OF PENTOSIDES

John Lee, Essex Fells, Ulrich V. Solmsen, Clifton, and Leo Berger, Nutley, N. J., assignors to Hoffmann-La Roche, Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application September 30, 1943, Serial No. 504,443
8 Claims. (Cl. 260-209)

1. Process for the manufacture of a pentose from a primary aromatic amine N-pentoside which process comprises heating a primary aromatic amine N-pentoside in solution at a pH range of from about 2 to about 9 in the presence of water until hydrolysis is substantially complete, separating the primary aromatic amine set free and isolating the pentose from the aqueous solution by evaporation.

2,384,104

TRIACYL PENTOSIDES AND PROCESS FOR THE MANUFACTURE THEREOF

John Lee, Essex Fells, and Leo Berger, Nutley, N. J., assignors to Hoffmann-La Roche, Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application September 30, 1943, Serial No. 504,444
9 Claims. (Cl. 260-234)

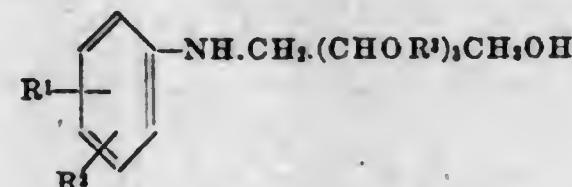
3. The triacylribosides, where the acyl residue is a member selected from the group of lower fatty acids and carboxylic acids of the benzene series.

2,384,105

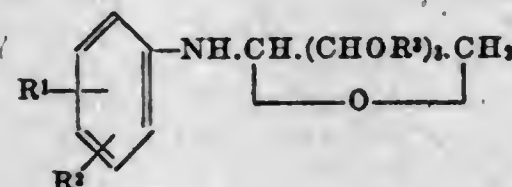
RIBITYLAMINO BENZENES AND PROCESS FOR THE MANUFACTURE THEREOF

John Lee, Essex Fells, Ulrich V. Solmsen, Clifton, and Leo Berger, Nutley, N. J., assignors to Hoffmann-La Roche, Inc., Roche Park, Nutley, N. J., a corporation of New Jersey
No Drawing. Application September 30, 1943, Serial No. 504,445
15 Claims. (Cl. 260-211)

1. The process for the manufacture of a ribitylaminobenzene corresponding to the formula

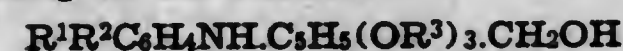


where R¹ and R² are radicals selected from the group consisting of hydrogen and lower alkyl, and R³ is a radical selected from the group consisting of hydrogen and acyl residues, which residues are selected from the group consisting of those of the lower fatty acids and aromatic acids of the benzene series, which process comprises hydrogenating a riboside corresponding to the formula



where R¹, R² and R³ have the above described values, in the presence of a metal hydrogenation catalyst in a solvent.

13. The 2,3,4-triacylribitylaminobenzenes, corresponding to the formula:



where R¹ and R² are radicals selected from the group of lower alkyl and hydrogen, R³ is a radical selected from the group of acyl residues derived from the lower fatty acids and aromatic acids of the benzene series.

2,384,106

ALKOXY NITRILES

Joy G. Lichty, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application May 16, 1941, Serial No. 393,782

8 Claims. (Cl. 260-464)

1. The dialkoxy propionitriles containing additionally in the alpha position a substituent from the group consisting of the alkyl and alkoxy radicals.

2,384,107

CONDENSATION PRODUCTS AND METHODS OF PREPARING AND USING SAME

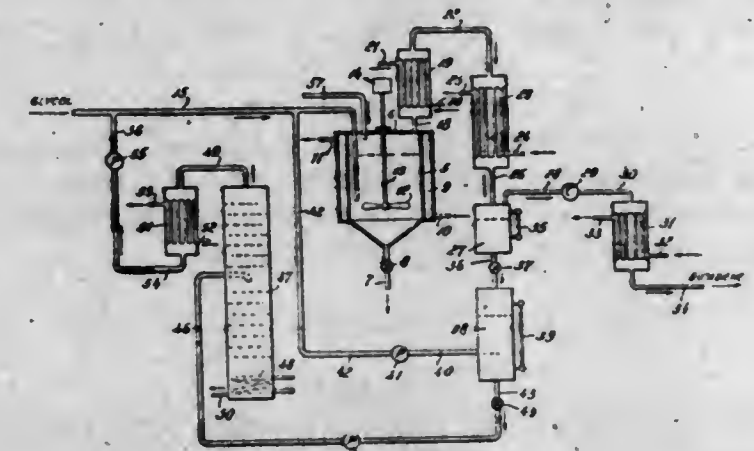
Eugene Lieber, Staten Island, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 24, 1940, Serial No. 354,144
3 Claims. (Cl. 252-59)

1. A composition comprising a major proportion of a waxy mineral lubricating oil and a small amount of a pour depressor produced by resinification of an alkylated aromatic hydrocarbon, not per se having any substantial pour-depressing properties, and containing an alkyl group having less than 7 carbon atoms.

2,384,108

PRODUCTION OF BUTADIENE

Arthur E. Lorch, Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application November 22, 1943, Serial No. 511,274
4 Claims. (Cl. 260-681)

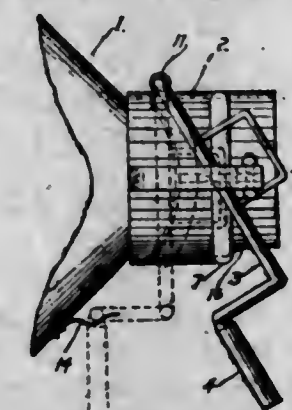


1. The method of producing 1,3-butadiene by dehydration of 1,3-butylene glycol which comprises suspending a mechanical mixture of a dehydrating catalyst and an inert extender in an inert liquid, maintaining the liquid at a temperature between 220° and 350° C., feeding the glycol thereto at substantially the rate at which conversion to butadiene occurs, withdrawing vapor from the body of liquid and separating butadiene from the vapor.

2,384,109

BAG FILLING HOLDER

John Frederick Lotz, Jr., Birmingham, Ala.
Application November 11, 1944, Serial No. 563,071
1 Claim. (Cl. 248-95)



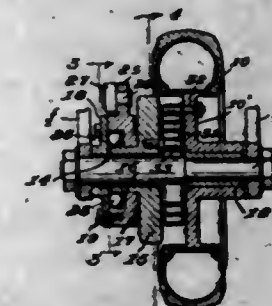
A bag filling holder for use in combination with a chute leading from a hopper comprising inverted L shaped brackets attached one on each side of the chute, a substantially square frame hinged to the back of the said chute, links integral with said frame, swingable arms with one end of each attached pivotally to the lower ends of said L shaped brackets, circular segments rigidly attached one each to the swingable ends of said

swingable arms; substantially soft material as a lining of said circular segments; a latch attached to the front of said hopper, said latch adapted to hold the said frame suspended when not in use; said links on said frame being around said swingable arms and disposed to lift said arms and segments away from said chute when said frame is in latched position; said segments adapted when in use to clamp and hold the upper portion of a bag in filling position on said chute.

2,384,110

POWER TRANSMISSION MECHANISM

Oscar V. Malmquist, Minneapolis, Minn.
Application January 15, 1944, Serial No. 518,367
5 Claims. (Cl. 74-114)



1. In combination, a shaft, a rotary member journaled on the shaft, a fly wheel journaled on the shaft in axially spaced relation to the rotary member, a yieldable drive connection between the fly wheel and rotary member, and a power driven clutch journaled on the shaft and including means having an intermittent one-way drive connection with the fly wheel.

2,384,111

TRANSPORTATION OF CAUSTIC

Dwight Means, Wadsworth, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application November 4, 1939, Serial No. 302,882
4 Claims. (Cl. 117-65)

1. The method of protecting caustic soda solutions of 50% and upward concentration from contact with the surfaces of metallic containers in which said solutions are placed, comprising the steps of providing a quantity of rubber latex in substantially fluid form and containing a vulcanizing agent, applying a layer of said latex to said surfaces and then filling said container with hot caustic soda solution, said caustic soda solution heated to a temperature of 200° F. or above, whereby said latex is vulcanized and permanently set in position as a fixed coating on said surfaces.

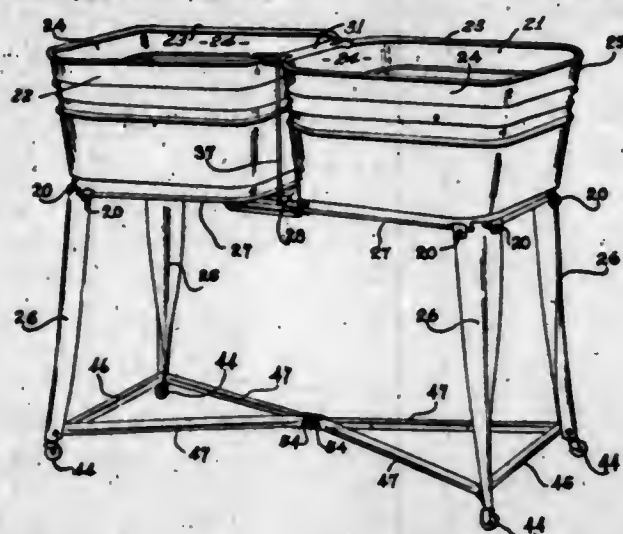
2,384,112

TWIN PORTABLE TUBS AND SUPPORTS THEREFOR

Harvey E. Meyer, Kansas City, Mo.
Application April 2, 1941, Serial No. 386,483
2 Claims. (Cl. 68-232)

1. In a portable tub structure, tubs, and means for supporting said tubs comprising legs on which said tubs are mounted and diagonal braces connecting said legs to form a framework having said legs projecting upwardly from the corners thereof, said braces comprising a plurality of members of angular cross section having flattened ends, means for securing one of said flattened ends of each of said members to a leg and clamping means for securing the other flattened ends of all said legs together, comprising a pair of

channel-shaped members arranged back to back, means for holding said channel-shaped mem-



bers against relative longitudinal movement and means for clamping said other flattened ends in the channels of said members.

2,384,113

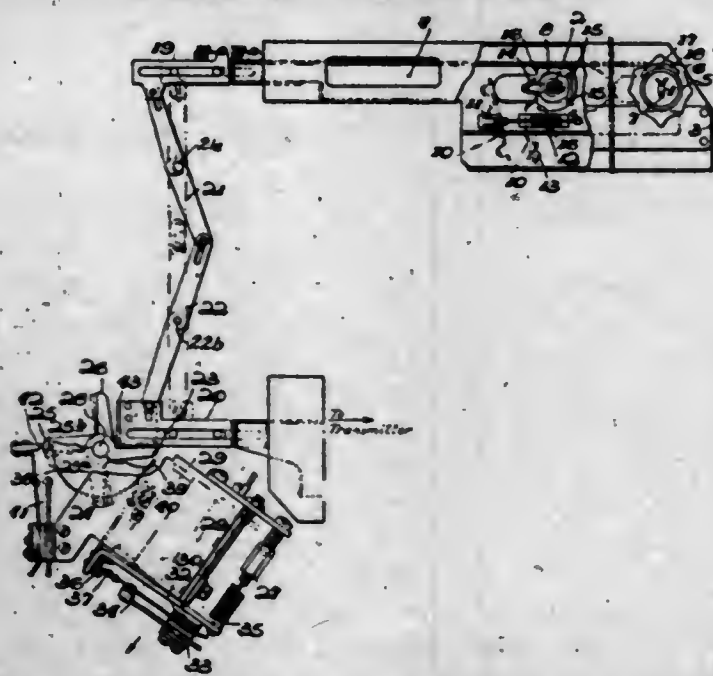
METHOD OF PREPARING ELECTROTYPES
Robert A. Miller, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application December 28, 1942, Serial No. 470,394
1 Claim. (Cl. 204-6)



A method of preparing electrotypes, which comprises applying a mirror film of conductive material to a glass plate providing a non-conductive supporting base, electrolytically depositing a layer of metal of substantial thickness upon the mirror film, the film and the layer being deposited upon and continuously around the edge of the glass plate, coating the layer with a mixture of wax and a pulverulent electrolytically conductive material, forming a depressed design in the wax, electrolytically depositing a shell of metal upon the wax, removing the shell, reinforcing the shell to form an electrotype.

2,384,114

REMOTE CONTROL APPARATUS
Vernon Moore, Catonsville, Md., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 19, 1943, Serial No. 476,448
9 Claims. (Cl. 172-239)



1. In remote control apparatus, a controlled shaft, a plurality of cam plates adjustably secured

to said shaft, drive means intermittently engaging each of said cam plates, motor means selectively forcing said drive means into engagement with said cam plates, a source of power, a plurality of power interrupting means connected to and actuated by said motor means and disconnecting said power supply from said motor means during the engagement of a cam plate by its cooperating drive means and during a predetermined movement of said motor means after the disengagement of said drive means and said cam plate, means for selectively connecting said power source to said power interrupting means, and means for energizing said motor means to disengage said drive means from said cam plates while maintaining said power interrupting means in the open position.

2,384,115

POLYBASIC ACID-POLYHYDRIC ALCOHOL ESTERS AND POLYMERS THEREOF
Irving E. Muskat and Franklin Strain, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application October 15, 1940, Serial No. 361,283
8 Claims. (Cl. 260-78)

7. An ethylene glycol bis(alkenyl carbonate) wherein the alkenyl radical contains an olefinic linkage between the second and third carbon atoms from the carbonate radical.

2,384,116

UNSATURATED ESTERS AND POLYMERS THEREOF
Irving E. Muskat and Franklin Strain, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application November 9, 1940, Serial No. 365,102
9 Claims. (Cl. 260-78)

1. A neutral ester of (A) carbonic acid and (B) a monohydroxy ester of (a) a monohydroxy aromatic carboxylic acid and (b) a monohydric alcohol having an unsaturated linkage in an aliphatic straight chain having up to six carbon atoms.

2,384,117

UNSATURATED ESTERS AND POLYMERS THEREOF
Irving E. Muskat and Franklin Strain, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application November 9, 1940, Serial No. 365,103
12 Claims. (Cl. 260-78)

1. A neutral ester of (A) a polybasic acid and (B) a monohydroxy ester of (a) an aliphatic monohydroxy carboxylic acid having a single hydroxy group adjacent an alkyl carbon atom and (b) a monohydric alcohol having an unsaturated carbon to carbon linkage in an aliphatic chain of up to ten carbon atoms, each of the acid groups of said polybasic acid molecule being esterified by a molecule of said monohydroxy ester and each carboxylic acid group of said aliphatic monohydroxy carboxylic acid molecule being esterified with a molecule of the monohydric alcohol.

2,384,118

COMPOSITION OF MATTER
Irving E. Muskat and Franklin Strain, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application May 6, 1941, Serial No. 392,102
6 Claims. (Cl. 260-463)

1. A neutral ester of (A) an ester of an unsaturated monohydric alcohol and lactic acid and (B) a partial ester of carbonic acid and an unsaturated monohydric alcohol, said unsaturated alcohols having up to ten carbon atoms and an unsaturated linkage in an aliphatic straight chain.

2,384,119

UNSATURATED ESTERS
Irving E. Muskat, Akron, and Franklin Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application November 13, 1941, Serial No. 419,031
4 Claims. (Cl. 260-475)

1. As a new compound, a neutral ester of a dicarboxylic acid and two molecular equivalents of a half ester of a glycol and a monocarboxylic acid having an olefinic linkage in the alpha-beta position in an aliphatic carbon chain.

2,384,120

UNSATURATED ESTERS AND POLYMERS THEREOF
Irving E. Muskat, Akron, and Franklin Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 27, 1941, Serial No. 424,664
8 Claims. (Cl. 260-78)

6. A neutral ester of (A) a monohydroxy ester of (a) a monohydroxy aliphatic monocarboxylic acid having the hydroxy group in the alpha position and (b) a monohydroxy alcohol having up to ten carbon atoms and an unsaturated linkage in an aliphatic straight chain and (B) a partial ester of (a) carbonic acid and (b) a monohydroxy alcohol having three to ten carbon atoms and an unsaturated linkage in an aliphatic straight chain.

2,384,121

UNSATURATED ESTERS AND POLYMERS THEREOF
Irving E. Muskat, Akron, and Franklin Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 27, 1941, Serial No. 424,667
11 Claims. (Cl. 260-78)

1. A neutral diester of (A) carbonic acid and (B) a monohydroxy ester of (a) an aliphatic monocarboxylic acid having a single hydroxyl group in the alpha carbon atom and (b) a monohydric alcohol having unsaturation in an aliphatic straight chain of up to ten carbon atoms.

2,384,122

UNSATURATED ESTER AND POLYMER THEREOF

Irving E. Muskat, Akron, and Franklin Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 27, 1941, Serial No. 424,668
11 Claims. (Cl. 260-78)

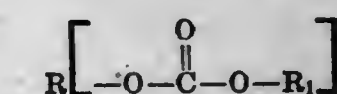
1. A neutral ester of (A) carbonic acid and (B) a monohydroxy ester of (a) a monohydroxy polycarboxylic acid and (b) a monohydric alcohol having unsaturation in an aliphatic straight chain of up to ten carbon atoms.

2,384,123

UNSATURATED CARBONATE ESTERS AND POLYMERS THEREOF

Irving E. Muskat, Akron, and Franklin Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application March 7, 1942, Serial No. 433,829
9 Claims. (Cl. 260-78)

5. An ester having the structural formula:



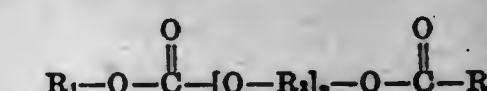
wherein R is a saturated aliphatic hydrocarbon radical having a valence of x, R₁ is a radical corresponding to the radical R₁ in the alcohol R₁OH, said alcohol being an unsaturated monohydric alcohol having from 3 to 10 carbon atoms and having an olefinic bond between the beta and gamma carbon atoms therein, and x is a small whole number greater than 2 and less than 7.

2,384,124

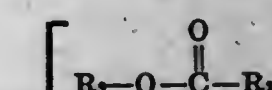
UNSATURATED ESTERS AND POLYMERS THEREOF

Irving E. Muskat, Akron, and Franklin Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application March 7, 1942, Serial No. 433,831
9 Claims. (Cl. 260-78)

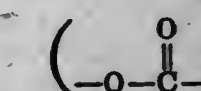
7. A compound having the structural formula:



in which R₁ is a radical selected from the group consisting of [R₂]- and



R₂ is an alkenyl radical having an olefinic bond between the second and third carbon atoms from the ester



group, R₃ is an alkylene radical, R₄ is an alkenyl radical having an olefinic bond between the first and second carbon atoms from the carbonyl radical, and n equals a small whole number.

2,384,125

UNSATURATED ESTERS AND POLYMERS THEREOF

Irving E. Muskat, Akron, and Franklin Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application March 7, 1942,

Serial No. 433,833

6 Claims. (Cl. 260-78)

5. As a new compound a dipropylene glycol bis (alkenyl carbonate) wherein the alkenyl radical contains an olefinic bond in an aliphatic chain between the second and third carbon atoms from the carbonate radical.

2,384,126

UNSATURATED ESTERS AND POLYMERS THEREOF

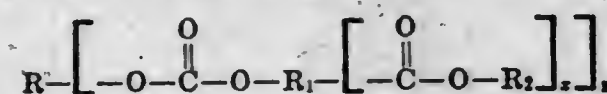
Irving E. Muskat, Akron, and Franklin Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application April 9, 1942,

Serial No. 438,306

8 Claims. (Cl. 260-78)

7. A compound having the structural formula:



wherein R is a radical of the group consisting of hydrocarbon radicals having a valence equal to y and radicals represented by the formula $(-R_3-[O-R_3]_n-)$ in which R_3 is an alkylene radical and n is a small whole number, R_1 is a hydrocarbon radical having a valence equal to $(x+1)$, R_2 is a radical equivalent to the radical R_1 in the alcohol R_2OH , said alcohol being an unsaturated monohydric alcohol having from 2 to 10 carbon atoms and having an unsaturated carbon-to-carbon linkage adjacent the beta carbon atom therein, x is a small whole number less than 4, and y is a small whole number greater than 1.

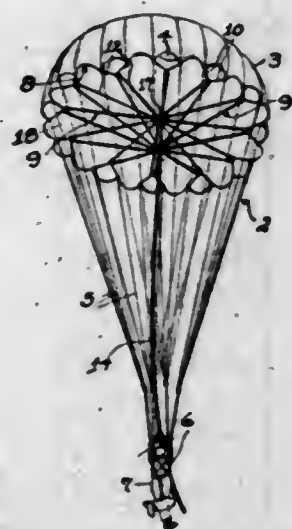
2,384,127

PARACHUTE

Albert R. Nailor, Mentor, Ohio

Application January 17, 1944, Serial No. 518,632

3 Claims. (Cl. 244-152)



1. In a parachute a canopy with a substantially circular air intake opening at its lower edge, pairs of diametrically opposed tackle blocks secured to the edge of said canopy adjacent to its intake opening, a single, endless rope means for each pair of said diametrically opposed tackle blocks coupled therewith and forming a tackle therewith, and actuating means for said tackles

coupled with their endless ropes, said actuating means effecting control of the diameter of said circular intake opening and said endless ropes effecting symmetrical contraction and expansion of said circular intake opening by said tackles.

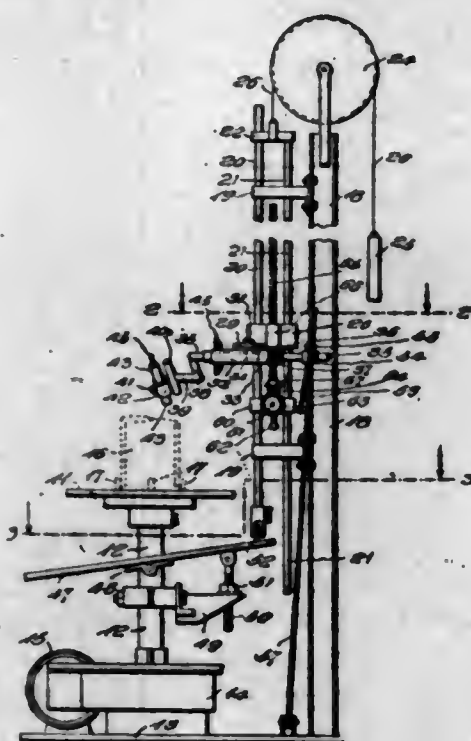
2,384,128

PIPE-CUTTING MACHINE

Frank W. Nation, Fort Gibson, Okla.

Application October 14, 1943, Serial No. 506,249

4 Claims. (Cl. 266-23)



1. In a machine of the character described, a revoluble work holder, means to rotate the workholder, an annular planiform cam element pivoted on an axis transverse to that of the work holder and fixed with respect to the workholder, means to adjust and secure the cam in adjusted positions, two rods parallel to the axis of the workholder adjacent the cam laterally of the workholder, longitudinally spaced guide members receiving the extremities of the rods slidably, a wiper device in operating relation to at least one of the rods and engaged with a carriage body slidable on the rods between the guide members, means to secure it in adjusted positions on the rods including a separate member fixed on the rods, and a screw thereon engaged with said carriage body, and means to operate the screw; a bearing member mounted on the carriage body revoluble on an axis parallel to the rods, means to secure it in adjusted positions in rotation on said axis, a crank shaft revoluble in the bearing on an axis in a plane at right angles to the rods, said shaft having a crank extended outwardly from the axis of the work holder, a burner thereon directed inwardly on a line intersecting the axis of the shaft, an arm extended laterally from the shaft, and a pivotally mounted anchorage device engaged with the arm and adjustable longitudinally thereof.

2,384,129

SUPPORT FOR BRAKE RIGGING

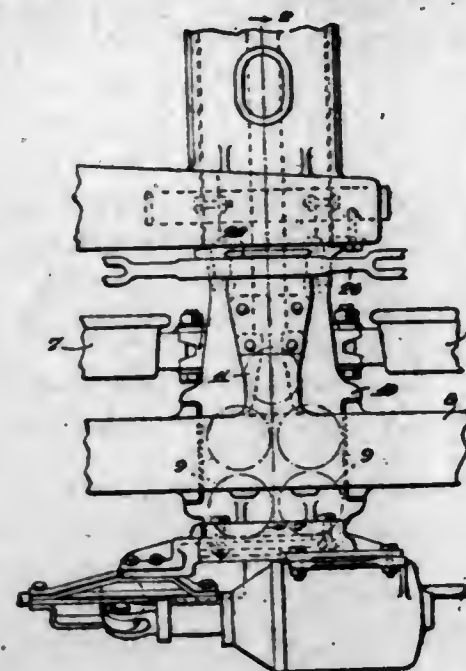
Claude L. Orr and Harry W. Stertzach, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio

Application July 16, 1943, Serial No. 494,984

7 Claims. (Cl. 188-205)

1. A railway car truck side frame provided with a bracket adapted to support a pull rod, said bracket consisting of a long part and a short part, the long part being integral with the side

frame and having outwardly extending end portions, and the short part being of channel



shape and having inwardly extending portions rigidly united with said end portions of the long part.

2,384,130

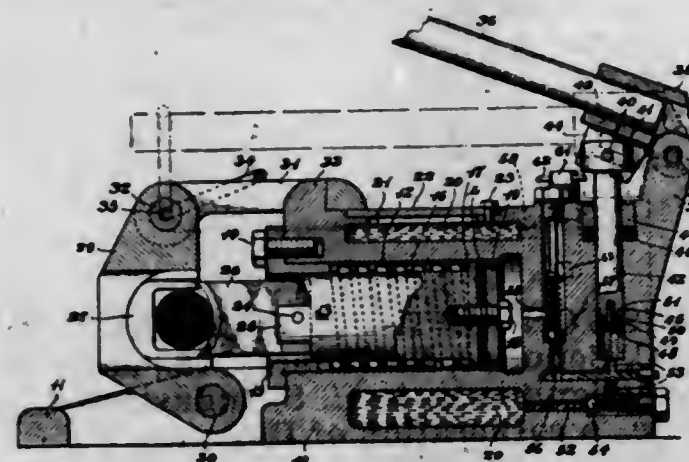
CABLE AND STRUCTURAL SHAPE CUTTER

Phil S. Pell and Arthur F. Wallace, Honolulu,

Territory of Hawaii

Application September 18, 1944, Serial No. 554,700

7 Claims. (Cl. 164-56)



1. A portable manually operated tool for cutting cable or other elements, comprising a body member, a driven hydraulic ram cooperating with a cylinder formed in said body, a reservoir for hydraulic medium located in said body, a driving plunger coacting with a hydraulic cylinder located in said body, fluid passages connecting said cylinder cooperating with said driving plunger with the cylinder cooperating with said driven hydraulic ram, a cutter blade pinned to said hydraulic ram and adapted to move with said ram, a die block pivotally mounted to said body, a die set mounted in said die block, adapted to cooperate with said cutter blade, a latch for locking said die block to said body so as to hold said die set within said die block in relatively fixed position with respect to said movable cutter blade and means for operating said driving plunger, fluid passage means connecting said reservoir to said driving plunger cylinder and a check valve located in said fluid passage means.

2,384,131

SOUND RECORDING AND REPRODUCING SYSTEM

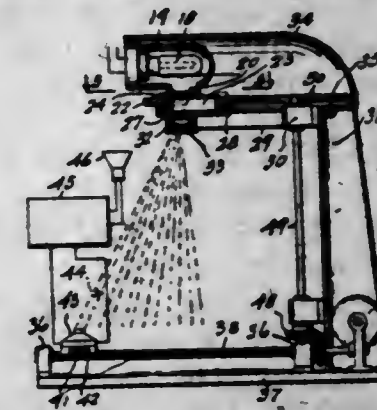
Clifford L. Price, Oakland, Calif.

Application January 10, 1944, Serial No. 517,762

6 Claims. (Cl. 179-100.3)

1. Sound reproducing apparatus comprising: a first support; a lens mounted on one side of

said support and a source of projection illumination mounted on the other side; means rotatably mounted on said first support between said lens and said source of projection illumination for supporting a disc-type photographic recording in the focal plane of said lens; a second support in spaced relation to said first support; a photo-cell



located in the object plane of said lens and radially adjustable on said second support; and driving means for driving said means rotatably mounted at uniform speed and simultaneously radially adjusting said photo-cell at a speed coordinated to the speed of radial travel of the projected image of the sound track on the disc-type recording.

2,384,132

COATING COMPOSITIONS

James Wallace Reynolds, Easton, Pa.

No Drawing. Application September 17, 1941,

Serial No. 411,245

4 Claims. (Cl. 260-3)

1. A coating composition comprising chlorinated rubber as the principal film forming constituent and containing polymerized vinyl acetate in an amount from 5% to 30% by weight on the amount of the rubber chloride and containing a plasticizer selected from the group consisting of chlorinated paraffin and a liquid long oil non-drying oil modified alkyd resin in an amount of from about 25% to 30% by weight on the amount of rubber chloride, the amount of plasticizer being such that resistance to alcohol is not impaired.

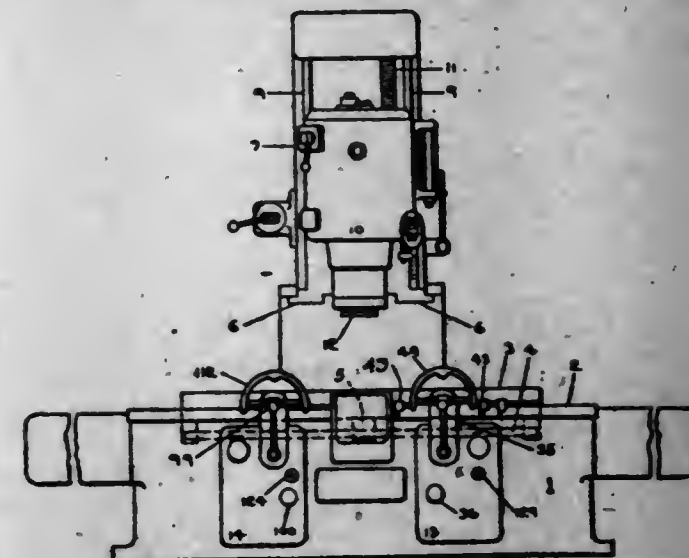
2,384,133

MILLING MACHINE

René Louis Rougemont and James B. Wilson, Worcester, Mass., assignors to Reed-Prentice Corporation, Worcester, Mass., a corporation of Massachusetts

Application April 10, 1942, Serial No. 438,422

8 Claims. (Cl. 90-21.5)



1. A milling machine comprising in combination a work table and a tool-carrying cross slide movable at right angles with respect to each other, rotatable screw shafts for moving said table and slide, separate motors for driving said

shafts, pairs of motor control handles for causing said motors to move said table and slide through said shafts in different directions and at different set rates, and a manually operable handle for each motor extending above said table for directly controlling operation of each motor and thereby positively determining the direction and rate of movement of either table or cross slide, independently of any existing setting of the first-named speed control handles.

2,384,134

METHOD OF MAKING METAL PARTS FOR RING BINDERS

John Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application August 23, 1944, Serial No. 550,694
6 Claims. (Cl. 140-88)

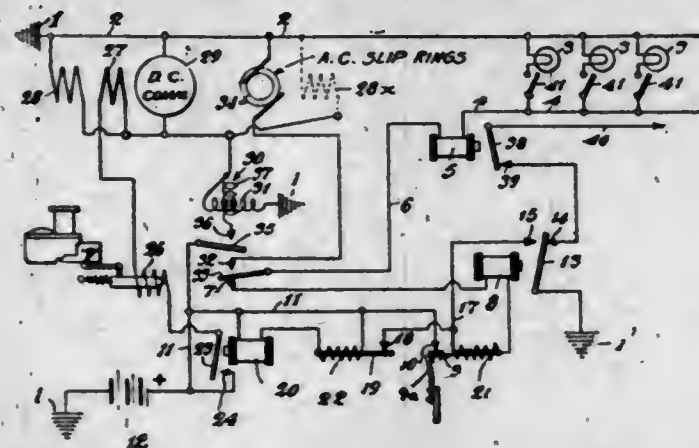


1. The method of making flat toggle plate ring binder mechanisms which consists in feeding flattened wire as a plate of indefinite length step by step past work stations and operating at the work stations to provide toggle plate nibs and holes for the ring wires, feeding unformed ring wire material from a source of continuous supply, giving hook form to cut off ends of such wire material, engaging the hooked ends into said holes, permanently fastening said hooked material to said plate, shaping the wire material to ring prong form, making fitting half joints on the upper ends of the formed prongs and carrying on these steps so as to progressively carry on the making of a substantially continuous strip of formed toggle plate and ring prong product for the purpose described.

2,384,135

AUTOMATIC STOPPING AND STARTING GENERATOR SET

George A. Scherry, Chicago, Ill., assignor to H. Goldberg, Chicago, Ill.
Application May 22, 1944, Serial No. 536,744
8 Claims. (Cl. 290-30)



1. In an engine driven generator set, an internal combustion engine, a generator including a rotor with a D.-C. commutator and A.-C. slip rings, a generator circuit, a battery, a battery circuit, means responsive to a load across said generator circuit for closing said battery circuit, means for starting said internal combustion engine in response to the closing of said battery circuit, a driving connection between said internal combustion engine and said rotor, and means for charging said battery in response to the actuation of said generator by said internal combustion engine, including a reverse current relay

intermediate said battery and said generator, said reverse current relay being adapted also to transfer the load circuit from the battery circuit to the generator circuit, for normal running of the set.

2,384,136

PYRIDINE DERIVATIVES AND PROCESS FOR THE MANUFACTURE OF SAME

Otto Schnider, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application September 5, 1941, Serial No. 409,750. In Switzerland September 25, 1940
2 Claims. (Cl. 260-297)

1. In a process for the manufacture of 2-methyl-4-ethoxymethyl-5-cyano-6-hydroxy-pyridine the step comprising reacting 2-amino-4-oxo-5-ethoxy-pentene(2) with malonic acid dinitrile.

2,384,137

PROCESS FOR THE MANUFACTURE OF PYRIDINE DERIVATIVES

Otto Schnider, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Original application September 5, 1941, Serial No. 409,750. Divided and this application April 28, 1944, Serial No. 533,253. In Switzerland November 1, 1940
3 Claims. (Cl. 260-297)

1. In a process for the manufacture of 2-methyl-4-alkoxy-methyl-5-cyano-6-hydroxy-pyridine the step comprising reacting 2-amino-4-oxo-5-alkoxy-pentene(2) with cyanoacetamide.

2,384,138

PROCESS FOR REFINING DAMMAR RESINS

Norman C. Schultze, Baltimore, Md., assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc., a corporation of Delaware
No Drawing. Application May 29, 1942, Serial No. 445,089
7 Claims. (Cl. 260-107)

1. The process of refining natural resins containing filterable and non-filterable gelatinous impurities and "wax" which comprises dispersing the resin in an organic solvent for the resin and "wax," subjecting the dispersion to a coarse filtration to remove filterable impurities, subjecting the filtrate to supercentrifugal forces and thereby separating a sludge consisting of the gelatinous impurities and fine impurities not removed by the coarse filtration, displacing the solvent in the dispersion with an organic solvent for the resin in which the "wax" is insoluble, separating the "wax" from the dispersion and concentrating the dispersion.

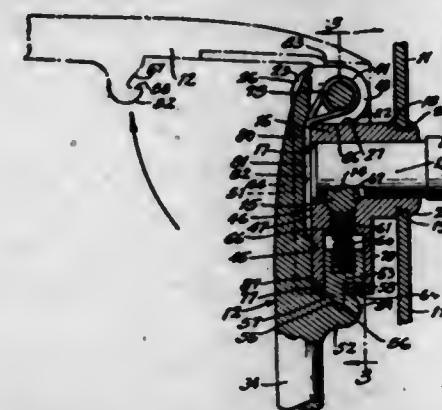
2,384,139

FOLDING CRANK FOR BICYCLES

Frank W. Schwinn, Chicago, Ill.
Application August 14, 1943, Serial No. 498,684
9 Claims. (Cl. 74-594.1)

1. In a folding crank for bicycles, the combination of a supporting block adapted to be secured to a crank shaft of a bicycle, said supporting block having a pair of laterally projecting pivot flanges provided with a bore and having an axially extending groove on its outer face, with a crank arm, said crank arm being pivotally mounted upon a pin in said bore, and having

its adjacent end portion formed to fit in said groove in said face, whereby the torque exerted upon said block by said crank arm is transmitted through the sides of said crank arm to the walls of said groove on said block, and latching means carried by said block for holding said crank arm

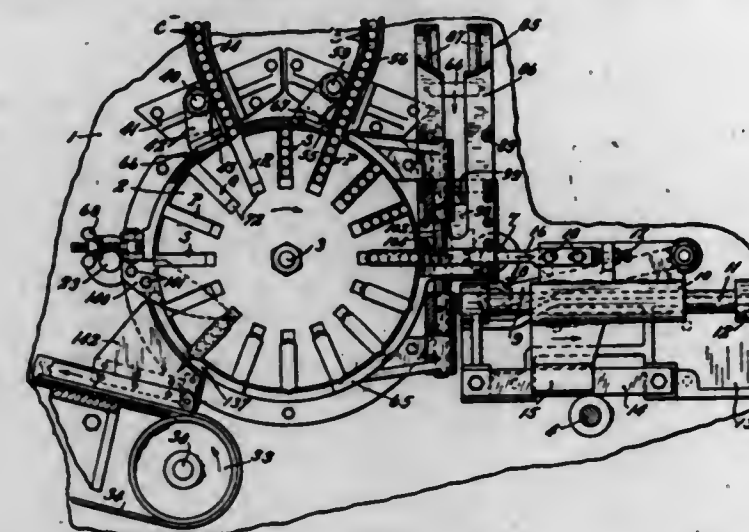


in said groove, said latching means comprising a pair of latching members, one located on each side of said block, for engaging said crank arm, and common spring means for engaging both of said latching members to urge them into latching position.

2,384,140

CARTRIDGE LOADER

Elmer Lovell Smith, Longmeadow, and Carlton Wetzel, Springfield, Mass., assignors to Package Machinery Company, Springfield, Mass., a corporation of Massachusetts
Application April 30, 1943, Serial No. 485,182
10 Claims. (Cl. 86-47)



10. A clip loading machine comprising a drum-like pocket wheel having a plurality of pockets therein, each pocket extending radially inward from an opening at the peripheral surface of said drum and also having a side opening at one side face of said drum, means for rotating said pocket wheel in a step by step manner, cartridge feed mechanism operating to fill each pocket through its peripheral opening with a set of cartridges having their bases in alignment and projecting from the side opening of said pocket, and a pusher for sliding a clip over the projecting bases of the cartridges while in said pocket.

2,384,141

COMPOSITIONS CONTAINING RESINOUS POLYMERS OF CYCLOPENTADIENE

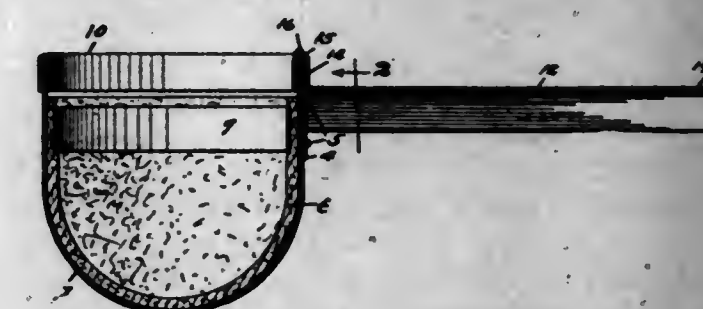
Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application March 26, 1941, Serial No. 385,337
14 Claims. (Cl. 260-32)

1. As a new composition of matter, resinous poly-cyclopentadiene containing a secondary aryl amine.

2,384,142

VAPOR TREATMENT DEVICE

Harry Spingler, Brooklyn, N. Y., assignor of twenty-five per cent to Richard Harry Spingler, Brooklyn, N. Y.
Application October 2, 1944, Serial No. 556,829
6 Claims. (Cl. 128-260)



1. A vapor treatment device comprising a cup-shaped body, a handle, means for securing the handle to the body in laterally outstanding relation with respect thereto, a guard which covers the edge of the body, a second handle shaped to be gripped simultaneously with the handle of the body, and means for securing the second handle to the guard in laterally outstanding relation with respect thereto.

2,384,143

VINYL ESTERS

Franklin Strain, Barberton, and Frederick E. Küng, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 29, 1944, Serial No. 524,484
9 Claims. (Cl. 260-463)

1. A method of preparing mixed vinyl carbonate esters which comprises reacting vinyl chloroformate with an hydroxy compound of the group consisting of alcohols and phenols.

2,384,144

METHOD AND MEANS FOR MAKING SLIDERS FOR SLIDE FASTENERS

Maurice Voity, Long Island City, and George A. Griffiths, Kew Gardens, N. Y., assignors to Universal Slide Fastener Co. Inc., Long Island City, N. Y., a corporation of New York
Application January 14, 1942, Serial No. 426,694
8 Claims. (Cl. 29-148)



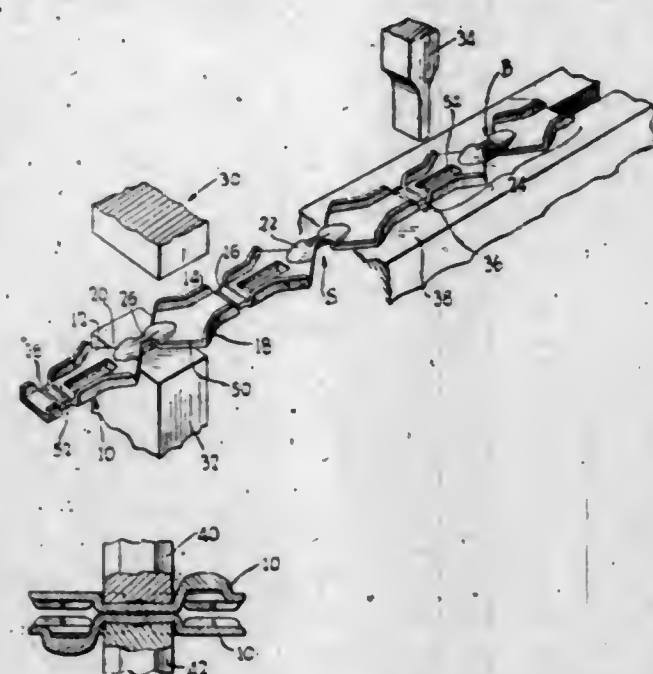
1. A method of making sliders of the character described comprising forming a set of a pre-determined number of completely fashioned integrally connected wings, each wing having a plane body portion with parallel lateral edges adjacent one end and diverging lateral edges adjacent the other end, rails of uniform and predetermined height running along said lateral edges and extending away from the plane of said body portion, and attaching portions raised above said body and extending in the same direction as said rails, each attaching portion lying immediately adjacent and being integrally connected to another attaching portion, said attaching portions being disposed in predetermined relationship in said set; forming a second set of similar completely fashioned integrally connected wings of like number each having attaching portions occupying the

same relative position therein as the first named attaching portions occupy in the first set; then arranging said sets with the attaching portions in alignment and with the rails opposed; then welding together said attaching portions to form a set of completely fashioned integrally connected sliders; and finally separating said sliders from each other to provide completely fashioned sliders requiring no further forming operations.

2,384,145

METHOD, BLANK, AND MEANS FOR MAKING SLIDERS FOR SLIDE FASTENERS

Maurice Volty, Long Island City, and George A. Griffiths, Kew Gardens, N. Y., assignors to Universal Slide Fastener Co. Inc., Long Island City, N. Y., a corporation of New York
Application June 6, 1942, Serial No. 446,063
6 Claims. (Cl. 29-148)



1. In a method of making sheet metal sliders of the character described, the steps of first forming pairs of completely fashioned slider wings with rails, adjacently disposed raised attaching portions, and an integral connecting link which is the sole element between said attaching portions, the attaching portions and connecting links being so relieved that the surfaces of said attaching portions and links on the same side of the wings as the rails slope in a direction opposite to that in which the rails extend from a point of maximum elevation on each of said pair of attaching portions to a point of minimum elevation at the intermediate link; arranging said pairs in sets of two with the rails opposed, the points of maximum elevation of the attaching portions in opposition, abutment and registration, and the links in opposition and registration and spaced from each other; welding together only said attaching portions to form pairs of completely fashioned integrally connected sliders with the links unconnected; and separating said sliders from each other at said links to provide completely fashioned sliders requiring no further forming operations.

5. For use in the formation of sheet metal sliders of the character described, an article of manufacture comprising a pair of completely fashioned slider wings each having rails and raised attaching portions, said wings being so relatively arranged that the attaching portions are adjacently disposed, and a link integrally connecting said attaching portions, said attaching portions and link having an elevational contour on the surface thereof on the same side of the wings as the rails such that said attaching portions and link slope in a direction opposite

to that in which the rails extend from a point of maximum elevation on each of the attaching portions to a point of minimum elevation at the intermediate link whereby when pairs of wings are arranged in registration with the rails opposed, and the attaching portions then welded, the welding will be progressive from points spaced away from the links toward the links.

2,384,146

STABILIZATION

Joseph S. Wallace, Hammond, Ind., and Thomas E. Sharp, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application March 4, 1943,

Serial No. 478,012

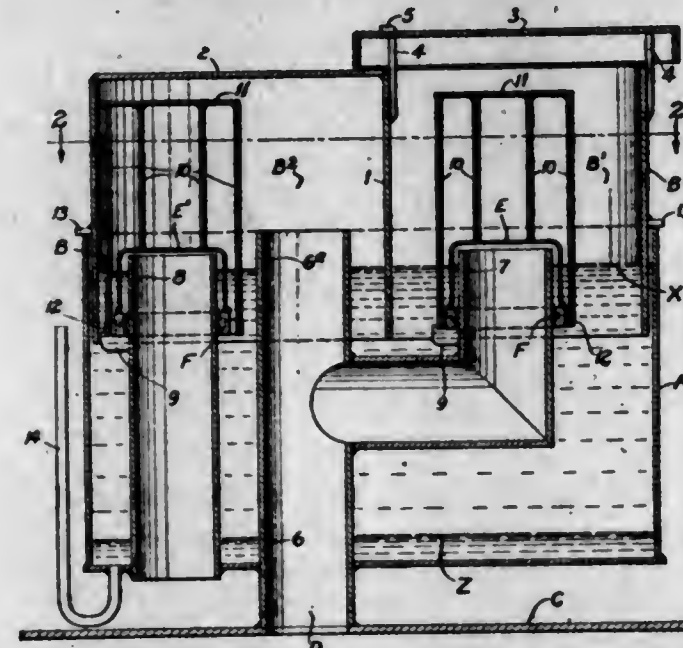
11 Claims. (Cl. 252-47.5)

1. A composition of matter comprising a sulfurized hydrocarbon oil containing substantially no corrosive halogen compound and being normally susceptible to odor development and an alkylolamine chosen from the group consisting of 2-amino-2-methyl-1-propanol; 2-aminobutanol; 2-amino-2-methyl-1, 3-propanediol; 2-amino-2-ethyl-1, 3-propanediol; monoethanolamine, diethanolamine and triethanolamine, said alkylolamine being present in sufficient amount substantially to inhibit said odor development.

2,384,147

LIQUID SEALED VENT VALVE

John H. Wiggins, Chicago, Ill.
Application August 28, 1943, Serial No. 500,446
8 Claims. (Cl. 137-53)



8. A vent valve provided with a vertically-movable pressure relief element and a vertically-movable vacuum relief element, a single reservoir that holds a body of liquid which seals both of said elements, and means for utilizing rain water or condensed moisture to constitute a supporting surface for the sealing liquid that automatically rises progressively as the volume of the sealing liquid diminishes.

2,384,148

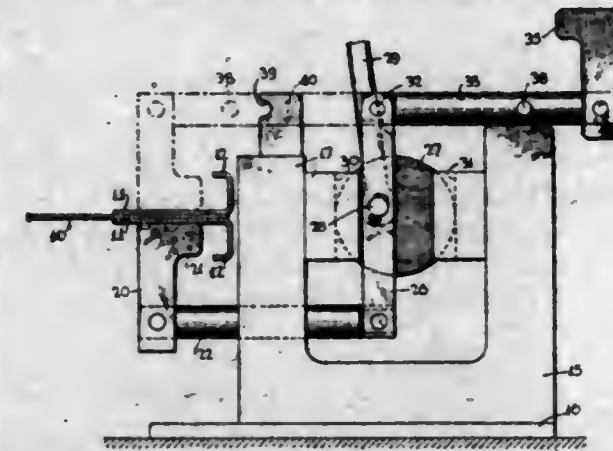
JIG CLAMP

Thomas Earle Yeager, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application September 10, 1943, Serial No. 501,846
4 Claims. (Cl. 81-26)

4. A stock clamp comprising in combination, a rear fixed jaw, a pair of clamping jaws recipro-

cable toward and from said fixed jaw to clamp stock thereagainst, one of said clamping jaws having straight reciprocatation to guide the stock and the other clamping jaw being mounted to swing freely outward when in the unclamped position away from the fixed jaw, means for reciprocating said clamping jaws, and means for moving the swinging jaw against the stock and toward the first clamping jaw as the clamping jaws move toward the fixed jaw and the final clamped position.



sition away from the fixed jaw, means for reciprocating said clamping jaws, and means for moving the swinging jaw against the stock and toward the first clamping jaw as the clamping jaws move toward the fixed jaw and the final clamped position.

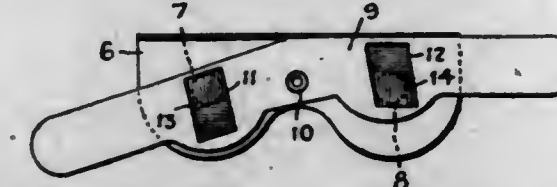
2,384,149

SPECTACLES

Ernest A. Zadig, Norwalk, Conn.

Application June 18, 1943, Serial No. 491,330

1 Claim. (Cl. 88-16)



Spectacles for observing a page having objects printed thereon in different colors, two different positions of a movable object being printed in two different colors, said spectacles comprising a frame consisting of sheet material folded to U-shape, the legs of the U having spaced registering eye apertures therethrough, a lens holder pivotally mounted on said frame between said eye apertures, said lens holder being positioned between the legs of said frame and having a portion extending outwardly of the frame to provide an actuating member, said lens holder carrying a pair of bi-colored lenses registering with said eye apertures, the two colors of said lens being similar to the colors of said printed objects, the respective positions of the similarly colored portions of said lenses being reversed, so that on oscillation of said lens holder on its pivot, the two similarly colored portions of each of said lenses may be brought into register with said eye apertures on oscillation in one direction and the other two similarly colored portions of each of said lenses may be brought into register with said eye apertures on oscillation in another direction, the fold in said U-shaped frame cooperating with the upper edge of said lens holder and serving to limit the oscillating motion of said lens holder in both directions to stop such oscillating motion when similarly colored portions of said lenses are in register with said eye apertures.

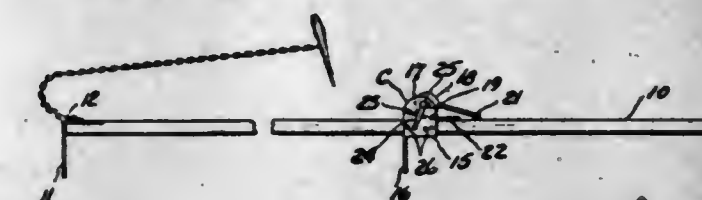
2,384,150

MEASURING DEVICE

Harold J. Balmer, Portland, Mich., assignor of one-half to Theo E. Ingersoll, Muskegon, Mich.
Application January 31, 1944, Serial No. 520,505
4 Claims. (Cl. 33-125)

4. A measuring device for use in a football game for indicating and measuring the advance

of the ball as the game is played comprising, a flat beam having an earth piercing cleat on one end thereof, a flexible chain of predetermined length secured to the cleated end of the beam with an earth piercing stake on the free end of said chain, a longitudinally adjustable clamp slid-

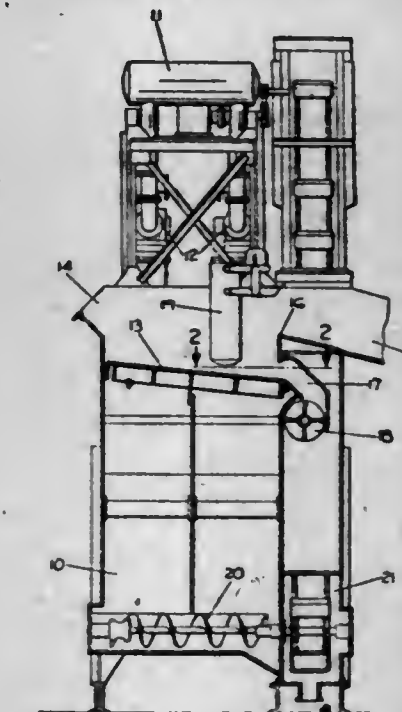


able on said beam and provided with an earth piercing cleat, said clamp being movable on said beam to mark the advance of the football as the game is being played, and means associated with said clamp and frictionally engageable with said beam for securing the clamp in set position on said beam.

2,384,151

JIG

Byron M. Bird, Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company, a corporation of Ohio
Application August 28, 1943, Serial No. 500,417
2 Claims. (Cl. 209-457)



1. In a jig, a material cleaning compartment, a perforated member forming the material supporting bottom thereof, a lip over which light material and water flows when leaving said compartment, said perforated member providing a substantially uniform percentage of open space over most of its area, a refuse draw adjacent the discharge end of said perforated member and below said lip, means providing successive upward pulsations of water through said perforated member, and means including a narrow area immediately adjacent the discharge end of said screen provided with a single row of holes thereby providing for an excess of water flow adjacent said lip.

2,384,152

BARBER COMB

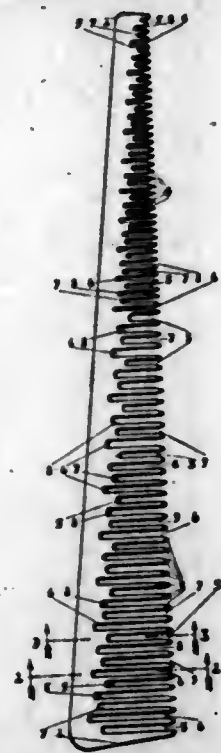
William F. Black, Danube, Minn.

Application August 9, 1944, Serial No. 548,669

2 Claims. (Cl. 132-11)

1. A barber's comb including a back and teeth, there being kerfs of different depths between the teeth, said teeth and kerfs being arranged in groups of four throughout the comb, the shallowest kerf in each group being next the deepest kerf and the next following third kerf being slightly deeper than the shallowest

and the fourth kerf being slightly shallower than the third kerf, the bottoms of all kerfs being rounded so as to eliminate all sharp edges, and

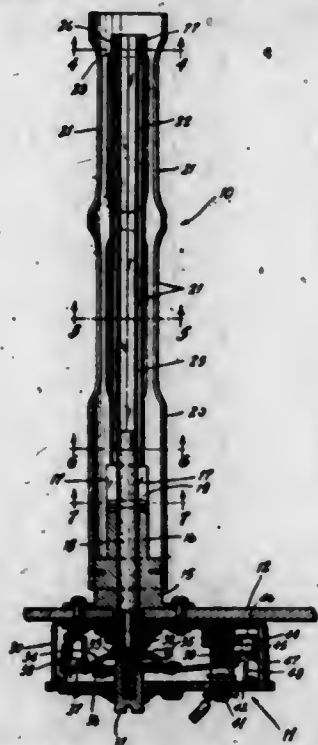


the back of the comb being substantially rectangular in cross-section, and the teeth having a slight slope inwardly from their center to said back, all substantially as described.

2,384,153

HEAT-RESPONSIVE ELEMENT

George D. Bower, University City, Mo., assignor to Automatic Control Corporation, St. Louis, Mo., a corporation of Delaware
Application April 26, 1941, Serial No. 390,504
4 Claims. (Cl. 200-137)



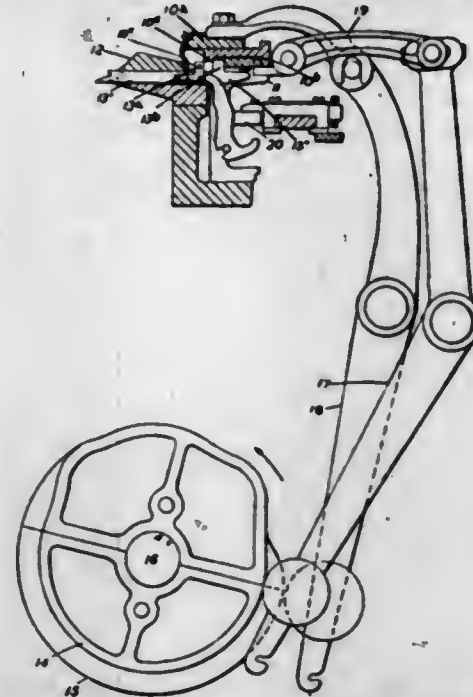
1. In a mechanism of the kind described, a heat-responsive unit having two relatively movable members expansible and contractible in response to heat changes, and adapted to have a starting length differential, the heat-flow capacity of the first member being greater than that of the second, whereby upon application of heat to the unit at rates greater than the heat-flow capacity of the second member the first will expand more rapidly to provide a plus length differential, and upon the discharge of heat from the unit at rates greater than the heat-flow capacity of the second member, the first member will contract more rapidly to provide a minus length differential upon cessation of heat, an actuated means adapted to be displaced to a first position upon production of the plus length differential, and adapted to be displaced to a second position upon production of the minus length differential

and means causing said actuated means to remain in either position to which it has been displaced upon subsequent production of the starting length differential.

2,384,154

STRAIGHT BAR KNITTING MACHINE

Thomas Charles Bromley and Arthur Shortland, Leicester, England, assignors to Mellor Bromley and Co. Limited, Leicester, England
Application November 25, 1942, Serial No. 466,891
In Great Britain October 17, 1941
7 Claims. (Cl. 66-110)

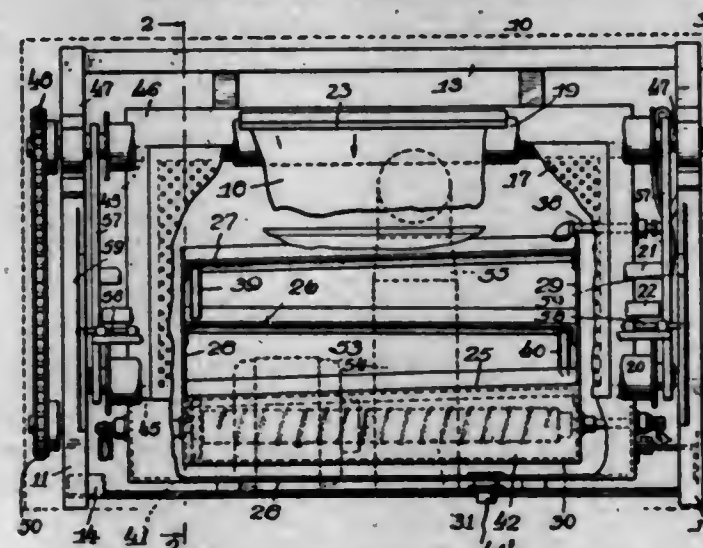


1. In a straight bar knitting machine, having a sinker head for receiving individually-movable and dividing sinkers: a compound catch bar mounted for rectilinear reciprocation toward and from said head, said bar comprising separately movable front and rear members slidably connected for relative movement between them, the former of which members is engageable with all the sinkers to align them in their advanced position and to retract them in unison, and the latter of which members is adapted to advance the dividing sinkers in unison; means for reciprocating both of said members; and means for causing the rear member to reach its forward limit of travel after the front member has reached its forward limit.

2,384,155

APPARATUS FOR DEVELOPING PRINTS BY MEANS OF GAS

Harold J. Brunk, Chicago, Ill., assignor to The C. F. Pease Company, a corporation of Delaware
Application July 14, 1943, Serial No. 494,645
11 Claims. (Cl. 95-89)



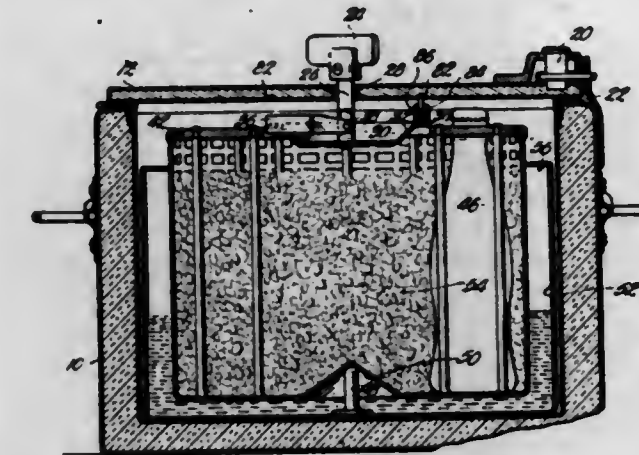
1. A cabinet for the development of sensitized prints by means of gas, comprising a plurality of

superimposed trays for the liquid which contains said gas, said trays being inclined alternately to the right and the left and each provided with an outlet at the lower end to discharge said liquid onto the trays beneath it, a source of liquid supply communicating with the uppermost of said trays, a heater beneath the lowermost tray to drive off the gas in said liquid as it flows in thin layers over all of said trays simultaneously, a perforated plate past which and through which the gas flows and means to direct a sensitized print over said perforated plate.

2,384,156

PORTABLE MAGAZINE TYPE PACKAGE COOLER

Jean Robert Burdette, Lincoln, Nebr., assignor to Carton Coolers, Inc., Lincoln, Nebr., a corporation of Nebraska
Application June 13, 1941, Serial No. 397,877
3 Claims. (Cl. 312-36)

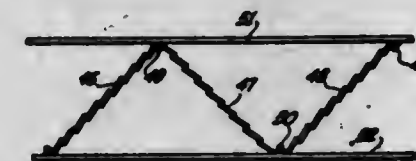


3. In a package cooler and dispenser of the character described, an insulated case provided with a displaceable cover; a container removably fitted into said case having a peripheral intumed flange at its upper edge; a magazine for the packages having a spider on its upper end provided with a notch; means for rotatably mounting the magazine in said container; a dog carried by said cover and engageable with the notch of said magazine when the cover is closed; and means operably connected with said dog and projecting above said cover for effecting rotation of the magazine in said container.

2,384,157

MULTITRUSSED UNIT

Edmund P. Burke, San Marino, Calif.
Application April 3, 1942, Serial No. 437,511
1 Claim. (Cl. 189-34)

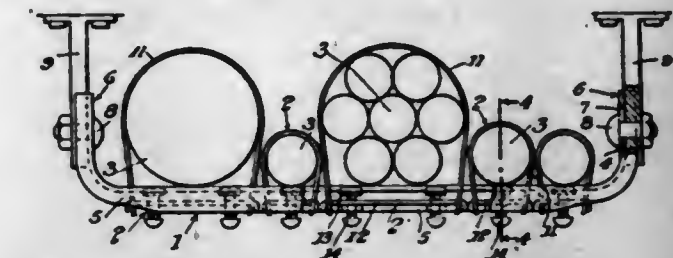


A portable, multitrusSED unit having spaced face planes, comprising: a sheet of expanded metal deformed into a plurality of individually plane truss portions, each truss portion lying in a plane at an angle to contiguous truss portions, each plane truss portion including stress distributing members composed of said expanded metal and lying at an angle to horizontal and vertical planes through said unit; longitudinally extending elements connected to said truss portions and within the internal angle at apices formed by adjacent truss portions; and a plurality of longitudinally spaced, transversely extending face

members attached to upper edge areas of the truss portions to connect the same, center planes passing through adjacent truss portions intersecting in a line which is spaced from the neutral axis of the face members a distance not in excess of four times the thickness of such face members above said apices.

2,384,158
HANGER

Arley D. Carpenter and Ebe R. Shaw, Los Angeles, Calif.
Application February 12, 1945, Serial No. 577,466
3 Claims. (Cl. 248-68)



1. A hanger as disclosed including a hanger bar provided with a slot therein extending longitudinally thereof, over which hanger bar may be transversely extended cables, and clamps for clamping said cables on said hanger bar, each of said clamps comprising a V-shaped strap provided with openings in its ends, respectively, which V-shaped strap is placed over a cable with its ends extended downwardly through said slot in said hanger bar, a pressure bar with its ends extended through said openings, respectively in said strap, a clamp screw threaded through said pressure bar, and a bridge bar placed against the under side of said hanger bar across said slot in said bar, which bridge bar is engaged by said screw for enabling said screw, through said pressure plate and said clamp strap, to clamp said cable on said hanger bar.

2,384,159

PRESSURE MEASURING DEVICE

Robert H. Cuyler, Austin, and Richard L. Goeth, Wichita Falls, Tex., assignors to John F. Camp, San Antonio, Tex.
Application October 11, 1940, Serial No. 360,848
9 Claims. (Cl. 73-398)



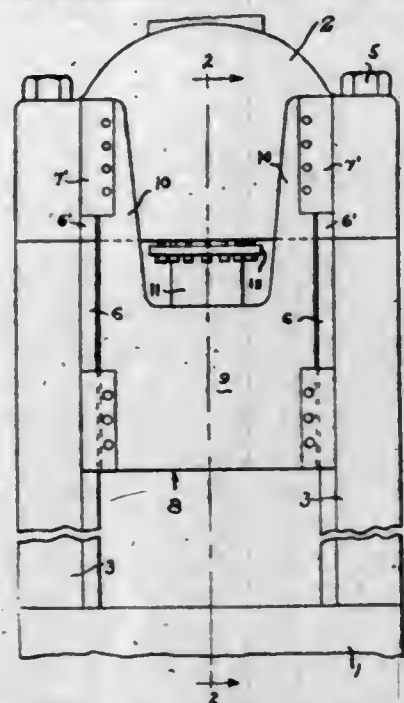
1. A device for measuring a pressure comprising a support plate, a ring within which the support plate may be rotated, support members for the ring, means to adjust said ring to assume the true horizontal, a chamber carried by the support plate, a channel member supported by said support plate and in communication with the chamber and extending around the chamber for a portion of its length, said channel being inclined at a relatively low angle to the support plate, a liquid within the chamber and communicating channel, a conduit in communication with the upper portion of the chamber and above the

normal liquid level therein whereby the liquid may be subjected to the pressure being measured, vibrating means adjustably supported by said ring, and means operatively connected with said vibrating means to selectively position the same whereby vertical or horizontal vibrations may be imparted to the ring, support plate, chamber, and channel member.

2,384,160

PRESS STRUCTURE

Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application March 7, 1942, Serial No. 433,716
10 Claims. (Cl. 113-38)

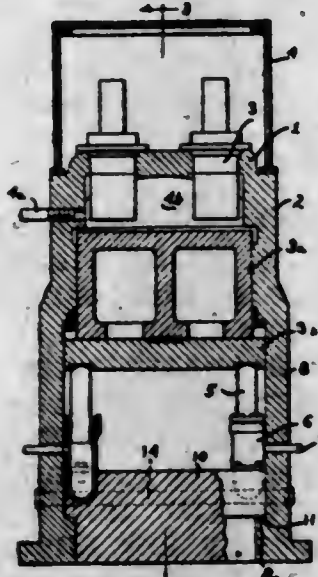


5. In combination in a press, a press base, a press head, upright means supporting said head in spaced relationship to said base, a press ram operable in said head, a press platen, operably connected to said ram, vertically arranged guiding surfaces on said upright means, guide means on said platen engaging said guiding surfaces for reciprocably guiding the same, guiding surfaces on said head in surface alignment with said guiding surfaces on said upright means, and other guide means on said platen independent of said first mentioned guide means and spaced therefrom engaging said guide surfaces on said head to additionally guide reciprocation of said platen.

2,384,161

PRESS STRUCTURE

Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application January 7, 1943, Serial No. 471,565
6 Claims. (Cl. 100-71)



1. In combination, a one piece press frame having spaced legs, a bed block having one

transverse dimension equal to the space between the legs and another transverse dimension less than the space between the legs, whereby said bed block can be inserted between the legs and rotated into position in engagement with the legs, said legs and said bed having complementary arcuate portions adapted to be in juxtaposition to each other when said press has been assembled.

2,384,162

FOLDING FISH NET

Thurman A. Finn, Denver, Colo.
Application April 8, 1944, Serial No. 530,202
3 Claims. (Cl. 43-12)

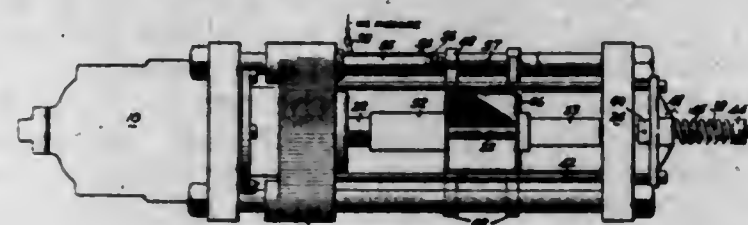


1. A landing net comprising a handle, a fishing net frame of fixed size pivotally connected with one end thereof for movement in the plane of the frame, through an angle of substantially 180 degrees, means for limiting the pivotal movement in an outward direction, a pocket attached to the handle, the pocket being of such size and so positioned as to receive and enclose substantially all of the fish net and frame when the frame is folded inwardly, and means for latching the frame in folded position.

2,384,163

BRIQUETTING PRESS

Paul E. Flowers, Shaker Heights, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application February 23, 1942, Serial No. 432,027
11 Claims. (Cl. 18-16)



1. In a briquetting press, a substantially horizontally arranged press cylinder, a substantially vertically arranged container for receiving material to be compressed in said press cylinder, and a pair of pistons operable to close said container at the lower end thereof movable in one direction for transferring a portion of the material in said container from the latter into said press cylinder and subsequently to cause compression of said material in said cylinder, means interconnecting said pistons and operable to maintain the same in a predetermined spaced relationship during said material transferring movement, said pistons being movable in the opposite direction for ejecting the compressed material from said press cylinder and a fluid operable plunger operable to reciprocate both pistons.

2,384,164

BURRING MACHINE

George Gerung, Baltimore, Md.
Application April 8, 1944, Serial No. 530,130
2 Claims. (Cl. 51-66)

1. A sheet burring machine of the class described, comprising in combination, upright members forming a base, upper grooved members at-

2,384,166

TOY BOMBING GAME

Henry M. Hanna, Kansas City, Mo., assignor of one-fourth to Verne H. Nye, Kansas City, Mo.
Application September 29, 1943, Serial No. 504,278
6 Claims. (Cl. 273-95)

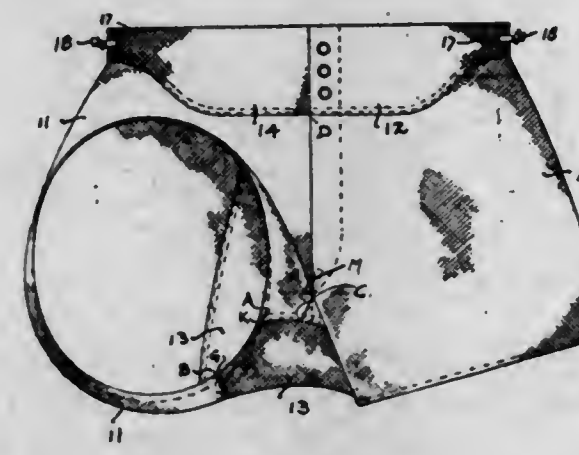


1. A game device of the character described, comprising a standard movable about a vertical axis; a pair of beams mounted one above the other, on said standard for movement about separate horizontal, parallel axes; sighting structure on one of the beams to establish a line of sight; mechanism for projecting a free member from the other beam; and means for maintaining the beams at different angles to the horizontal as the same are shifted about their axes whereby said line of sight and the trajectory of the free member converge at a selected point.

2,384,165

SHORTS

Jacob A. Goldfarb, Frankfort, and Everett J. Moore, Bowling Green, Ky., assignors to Union Underwear Co., Inc., Frankfort, Ky., a corporation of Kentucky
Application May 1, 1944, Serial No. 533,482
2 Claims. (Cl. 2-224)

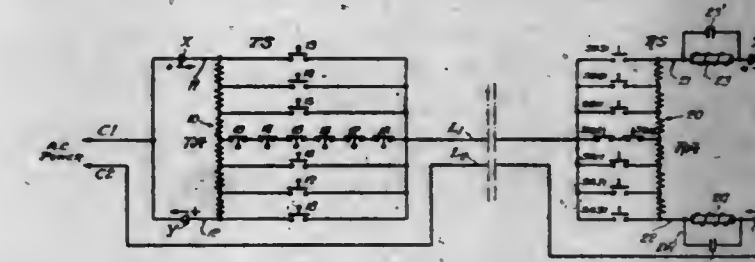


1. An undergarment comprising a pair of right and left leg woven fabric portions, each substantially trapezium shaped; a belt, to which the top ends of said portions are attached; a knitted fabric back panel having its upper end attached to said belt and spacing apart said portions at said belt, said panel having straight side edges attached to opposing rear straight edges of said leg portions, and having a vertical length extending beyond that of said rear edges, said extended length sloping inwardly on each side to have a straight line edge therebetween substantially parallel to said upper panel end; the lower edges of each of said leg portions plus the adjacent sloping edge of said panel forming the lower marginal opening of a leg of the undergarment, whereby a length of the knitted fabric is included in the marginal edge with the woven fabric; said straight line of the extended portion of the knitted panel being joined one half to an equal length extending upwardly from said leg opening of the straight edge opposite said rear edge of one leg portion, and the other half to a corresponding edge of the other leg portion to form an arcuate juncture line parallel to and forwardly and upwardly of the central transverse median line of the crotch of the undergarment.

2,384,167

REMOTE INDICATING, SUPERVISING, OR CONTROL SYSTEM

James R. Harrington, Mansfield, and Roger L. Merrill, Shelby, Ohio, assignors to The Autocall Company, Shelby, Ohio, a corporation of Ohio
Application May 16, 1942, Serial No. 443,296
7 Claims. (Cl. 177-353)

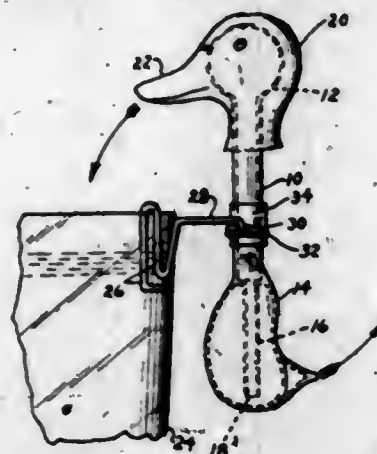


1. In an electrical system, the combination of a transmitting station, a receiving station, a signal transmission line between said stations, means for impressing an alternating current on said system, a divided circuit at each of said stations joining with said signal transmission line, operatively directed half-wave rectifiers in the branch paths of said divided circuit, variable impedance means in series with said rectifiers at said transmitting station for displacing the neutral axis of said alternating current from the normal position to a shifted position relatively to the conventional wave form of the current, variable impedance means in series with said rectifiers at said receiving station for restoring the neutral axis of said alternating current from said shifted position back to said normal position, said latter variable impedance means having a center tap to which said signal transmission line is normally connected, a first selecting switch for shifting the point of connection of said transmission line outwardly along said variable impedance means in one direction from said center tap, a second selecting switch for shifting the point of connection of said transmission line outwardly along said variable impedance means in the other direction from said center tap, differential relay means at said receiving station responding to the shifted neutral axis of the alternating current, and means responsive to said differential relay means for controlling said first and second selecting switches.

2,384,168

ACTIVATED AMUSEMENT DEVICE

Arthur M. Hillery, Leominster, Mass.
Application June 10, 1944, Serial No. 539,753
3 Claims. (Cl. 46-124)

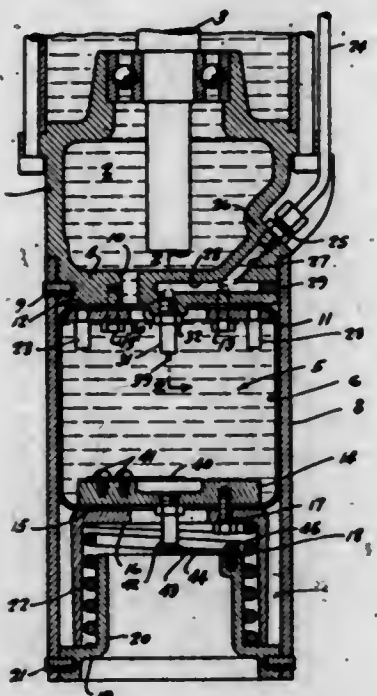


1. In a device of the class described, a tube, a bulb axially located at one end of the tube having free communication therewith, a second bulb at the other end of the tube, said tube extending into said second bulb, highly volatile liquid in said second bulb, fluid absorbing material associated with the first bulb, a protuberance extending outwardly from said water absorbing material, a pivot for the tube, said tube moving to a substantially vertical position when the liquid is in the second bulb and said protuberance overbalancing the tube when the liquid is volatilized and rises above the pivot.

2,384,169

FLUID PRESSURE MECHANISM

George E. Huck, Southgate, and Frederick O. Luenberger, Los Angeles, Calif., assignors to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California
Application August 14, 1942, Serial No. 454,880
4 Claims. (Cl. 137-68)

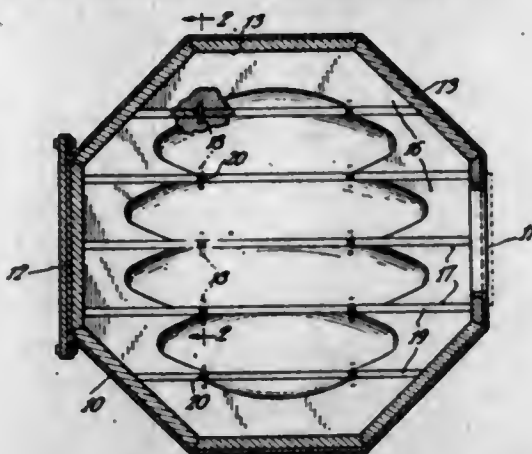


4. In combination, means forming a flexible annular-like wall that defines a variable volume pressure chamber, relatively rigid means surrounding the wall and in contact therewith for serving as a support for the wall, a movable end wall joined to said flexible wall, valve means for introducing fluid into the chamber, means operating to open said inlet upon a reduction in the volume of the chamber below a minimum, a discharge valve for the chamber, and means for opening said discharge valve only upon a substantial increase of volume above that point where the inlet valve is closed.

2,384,170

TUMBLING BARREL LINER

George E. Huenerfauth and Fred P. Green, Chicago, Ill., assignors to Crown Rheostat & Supply Co., Chicago, Ill., a corporation of Illinois
Application November 6, 1944, Serial No. 562,099
5 Claims. (Cl. 51-164)

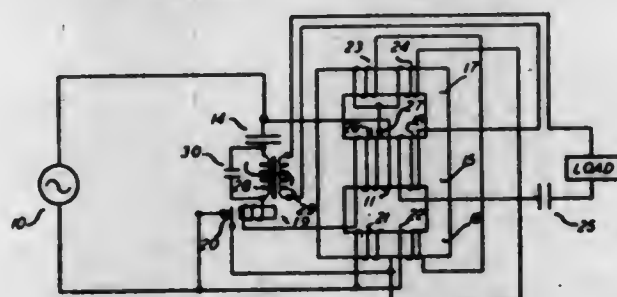


1. In a tumbling barrel a lining for the ends of the barrel comprising separate wooden strips and narrow strips between the wooden strips, said narrow strips having a substantially higher resistance to abrasion than the wooden strips, whereby the excessive abrasion of the end lining near the barrel axis is counteracted by said strips.

2,384,171

FREQUENCY CHANGER

Henry Martin Hoge, Lorain, Ohio, assignor of one-half to E. M. Heavens and one-half to Closman P. Stocker
Application October 9, 1943, Serial No. 505,611
13 Claims. (Cl. 172-281)



13. A subharmonic generator comprising in combination, first and second saturable magnetic flux paths, a primary circuit comprising windings on the first and second flux paths, connected in series and adapted to be energized by a source of alternating current, a secondary circuit comprising windings on the first and second flux paths connected in unbalanced series opposition with respect to said primary windings, a capacitor connected across the secondary circuit, a relay adapted to produce a starting transient to initiate subharmonic oscillations in the secondary circuit, and an output circuit inductively related to said secondary circuit.

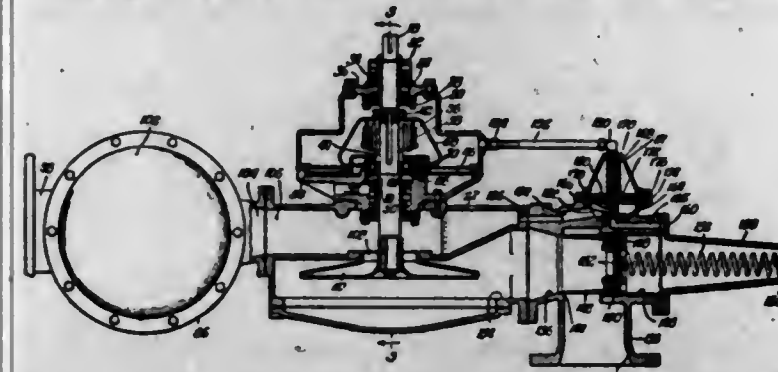
2,384,172

PUMP

Robert J. Jauch, Fort Wayne, and Sherwood Hinds, Columbia City, Ind., assignors to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland
Application June 23, 1944, Serial No. 541,766
8 Claims. (Cl. 103-113)

1. In a pumping unit, the combination of a centrifugal pump casing having an impeller chamber and a suction chamber, said suction chamber having an inlet and said impeller chamber having an outlet, an impeller rotatably mounted in said impeller chamber; the eye of said impeller communicating with the suction chamber for re-

ceiving liquid therefrom, a housing comprising a float chamber communicating with said suction chamber adjacent the bottom of said float chamber, a passage communicating with said suction chamber and extending upwardly and communicating with said float chamber adjacent a high point thereof, an outlet adjacent a high point in said float chamber, a float and valve for controlling said outlet in accordance with the liquid level in said float chamber, means for exhausting air and vapor from said float chamber, said means comprising a piston pump having a crank case and a cylinder thereabove, a crank shaft in said crank case, said crank shaft extending into said centrifugal pump casing and providing a shaft for said impeller, a piston reciprocally mounted in said cylinder and connected by means of a connecting rod to said crank shaft, a cylinder



head on said cylinder having a suction chamber and an exhaust chamber, valves between said chambers and the upper part of said cylinder above the piston, a connection between said float chamber and said piston pump suction chamber, a connection between said piston pump suction chamber and said crank case, a discharge valve connected to the impeller chamber outlet, means urging said valve to closed position, a housing having a cylinder adjacent said valve connected to said crank case whereby suction from said crank case is imparted to said last named cylinder, a piston in said last named cylinder connected to said last named valve whereby suction in said last named cylinder urges said last named valve to open position, said last named valve being opened when said suction and the liquid delivery pressure on said valve reaches a predetermined amount.

2,384,173

DEEP WELL PUMP

Douglas Johnston, Shelbyville, Ill.
Application October 27, 1943, Serial No. 507,816
11 Claims. (Cl. 103-46)



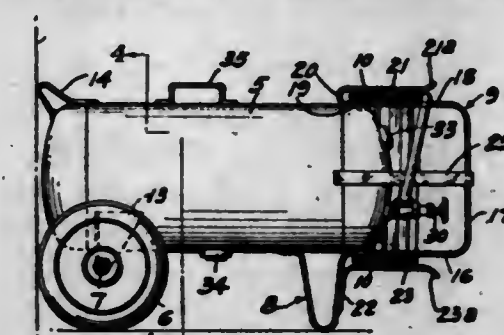
1. An apparatus for pumping liquid from a supply against the pressure of a column of the liquid.

uid being pumped, comprising a pair of adjacent, differently-sized cylinders at the bottom of the column, a piston in each cylinder, the pistons being connected for movement together, the cylinders and pistons forming a pumping chamber between them, a constant pressure means acting on the pistons to drive them in one direction to reduce the size of the pumping chamber, an outlet between the pumping chamber and the column, to introduce column pressure to urge the pistons against the constant pressure, the column pressure producing greater force upon the large piston than the small one, valve means associated with the smaller piston to provide an intake chamber, said valve means being check valves to entrap liquid from the supply into the intake chamber upon movement of the pistons by the column pressure, and to expel the entrapped liquid into the pumping chamber upon movement of the pistons by the constant pressure, whereby the cycling of the pistons introduces a new charge of liquid into the pumping chamber each cycle and pumps an equivalent amount into the column, a check valve controlled passage between the pumping chamber and column connecting beneath the larger piston in its lowest position, and preventing flow from the pumping chamber and the column, means to effect said cycling of the pistons, comprising means to isolate the column, means to increase the pressure thereof to produce a force on the larger piston greater than that of the constant pressure, and to release said pressure and free the column from isolation whereby the constant pressure may pump the liquid of the column.

2,384,174

PORTABLE COMPRESSED AIR TANK TIRE INFLATER

Charles S. Jones, Los Angeles, Calif.
Application February 28, 1944, Serial No. 524,207
5 Claims. (Cl. 222-176)



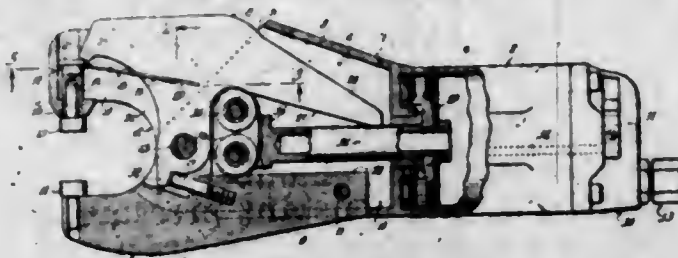
1. In a device of the kind described, an elongated tank to contain compressed air having a pair of ground wheels attached to it at one end and a leg attached to it at its opposite end to cooperate with said wheels to at times support said tank in a horizontal position, said tank being tiltable to an upstanding position with its wheel-carrying end directed downwardly, and two generally U-shaped strips of rigid material each having the outer end portion of its limbs forwardly directed and attached to opposite sides of the rear end portion of said tank, when the tank is in the horizontal position one of said U-shaped strips lying in a substantially vertical plane and the other strip at such time lying in substantially a horizontal plane and having its basal portion positioned for use as a handle means to be manually grasped to propel the tank upon its wheels in a wheel-barrow fashion, an air outlet fitting attached to said tank, and a flexible air delivery hose attached to said fitting, said hose being windable around the four-armed spider or frame formed by the aforesaid two U-shaped strips, said air outlet fitting being attached to an end portion of the tank in a position to be protected by

the forward portions of said U-shaped strips and to be additionally protected by said hose when it is wound around the cooperating limbs of said cooperating U-shaped members as aforesaid.

2,384,175

SQUEEZE RIVETER

Frank A. Kaman, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a corporation of Delaware
Application May 1, 1943, Serial No. 485,267
1 Claim. (Cl. 78-36)

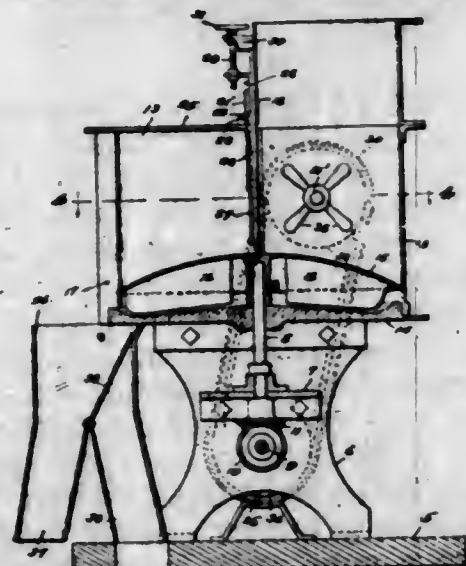


A portable power operated riveting tool of the alligator jaw type having a fixed jaw and a movable jaw and a support therefor, said fixed jaw having an anvil, a bracket element secured to the fixed jaw and having a forwardly extending arm portion overhanging the anvil, a riveting plunger reciprocally mounted in said arm portion above the anvil in transverse relation to the tool axis, said movable jaw being in the form of a lever fulcrumed on the bracket and having a power delivering end portion acting on the plunger for moving the same on its riveting stroke towards the anvil, power operated means on the support and operable on the lever for moving the plunger on its riveting stroke, and a pair of spring means for moving the lever and the plunger on their return strokes when released by the power means, one spring means acting on the lever and the other spring means being in the form of a U-shaped spring member looped about the plunger and having its leg portions embracing the sides of the lever in grooves therein.

2,384,176

PERCENTAGE FEEDER

Fred Keeney, Portsmouth, Va.
Application October 27, 1943, Serial No. 507,917
2 Claims. (Cl. 222-311)



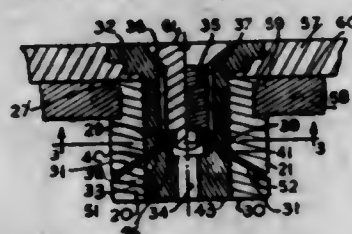
2. In a device of the class described, a body portion having a discharge opening in the wall thereof, a rotary disk operating at the bottom of the body portion and on to which material is fed, a substantially wide vertically movable partition dividing the body portion into a receiving compartment and a delivery compartment, the lower edge of the vertically movable partition being spaced from the surface of the disk, whereby material may pass under the partition, means for moving the partition vertically, regulating the

space between the lower edge of the partition and disk, said partition having an opening disposed intermediate its side edges and extending upwardly from the lower edge thereof, a substantially narrow slide valve member mounted on the partition and adapted to move over said opening, regulating the size of said opening, means for moving the slide valve member with respect to the partition whereby the quantity of material transferred from the receiving compartment to the delivery compartment may be regulated, and said disk adapted to direct material through the discharge opening of the body portion as it rotates.

2,384,177

SELF-LOCKING SCREW AND NUT

Henry John Kent, Toronto, Ontario, Canada
Application December 20, 1943, Serial No. 515,059
In Canada January 10, 1944
10 Claims. (Cl. 151-5)



1. As a new article of manufacture, a self-locking fastener comprising a nut member in association with a plurality of screw members adapted to be secured to the said nut member, the said plurality of screw members being adapted to be secured internally of the said nut member and having their respective longitudinal axes parallel to that of the said nut member, and the said plurality of internally securable axially aligned screw members preferably comprising a larger diametered outer screwing member having a central lower bored aperture of small diameter with a wider counter-bored and threaded aperture, and having a plurality of vertical slots therein disposed above the said lower smaller diametered aperture, the said upper counter-bored and threaded aperture having an upper counter-sunk periphery adapted to seat the head of a second smaller diametered screw member.

2,384,178

HOLDER FOR CLEANING CLOTH

Robert Leland Kincaid, Arlington, Va.
Application July 31, 1944, Serial No. 547,345
3 Claims. (Cl. 15-209)

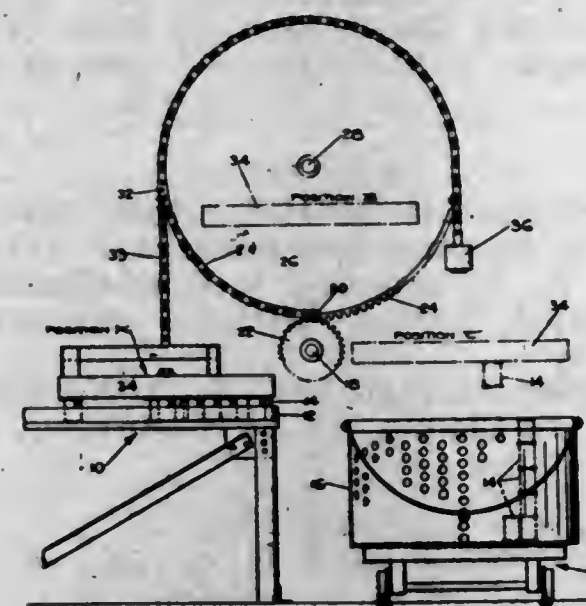


1. A holder for a cleaning cloth comprising a head, a handle therefor, the end portion of the handle adjacent the head tapering therefrom, and a ring positioned on the tapered portion and adapted to secure, in engagement with the tapered portion, free edge portions of a cloth draped about the head and extending between the ring and the tapered portion.

2,384,179

CONVEYER

Daniel Knies, Bexley, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application August 9, 1944, Serial No. 548,674
10 Claims. (Cl. 214-1)



1. A transfer or conveyer mechanism for transferring a group of articles from one position to another position horizontally removed therefrom and at a different and variable elevation including means for supporting a group of articles, a flexible chain cable, a rotary wheel about which said cable is wrapped and attached, a suspension member connected to said cable intermediate its ends and suspending said supporting means, and means for rotating said wheel whereby said supporting means is lifted from said one position and transferred to the other and lowered by straight line movement an amount which may be varied after the full lateral transfer thereof has been effected by rotation of said wheel.

2,384,180

SEMISILICA BRICK

Hobart M. Kraner, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
No Drawing. Application December 11, 1940, Serial No. 369,619
4 Claims. (Cl. 106-68)

1. A refractory brick containing 80% to 90% silica, comprising a quartzite of the group consisting of Pennsylvania ganister and Medina quartzite bonded with a fire clay of the group consisting of Pennsylvania and Missouri fireclay and Alabama and Georgia kaolin of less than 0.5% alkali content, the mixture ground to a graduated mesh fineness, shaped, and fired to a heat in the vicinity of cone 15.

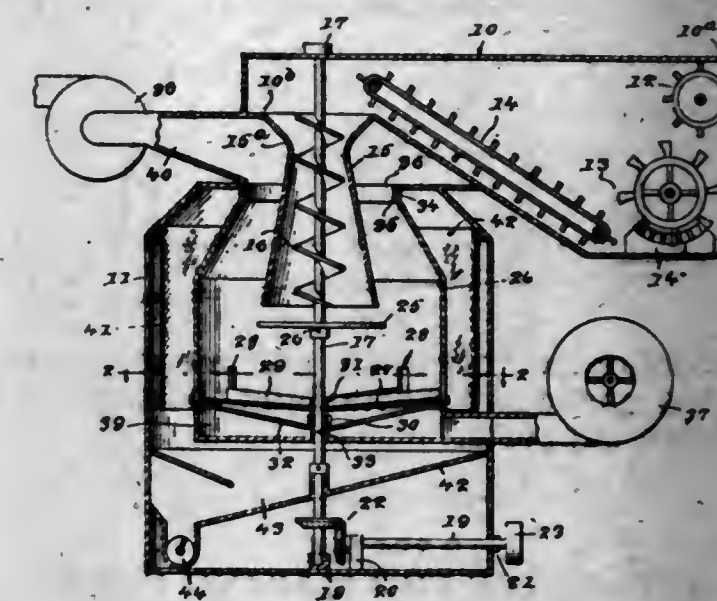
2,384,181

EQUILIBRIUM GRAIN SEPARATOR

William O. La Fave, Anaconda, Mont.
Application July 16, 1943, Serial No. 494,985
7 Claims. (Cl. 209-474)

3. A grain separator comprising a casing, a drum rotatably mounted within the casing and having a perforated bottom, the drum being provided in its side wall near its bottom with grain outlet openings, a chute arranged within the upper portion of the drum, means for delivering thrashed straw to the upper end of the chute, an auger rotatably mounted within the chute, means for rotating the drum and auger, a stationary pan below and enclosing the perforated

drum bottom, a blower discharging air to the pan for travel upwardly through the screen, a fan with its suction side connected to the top

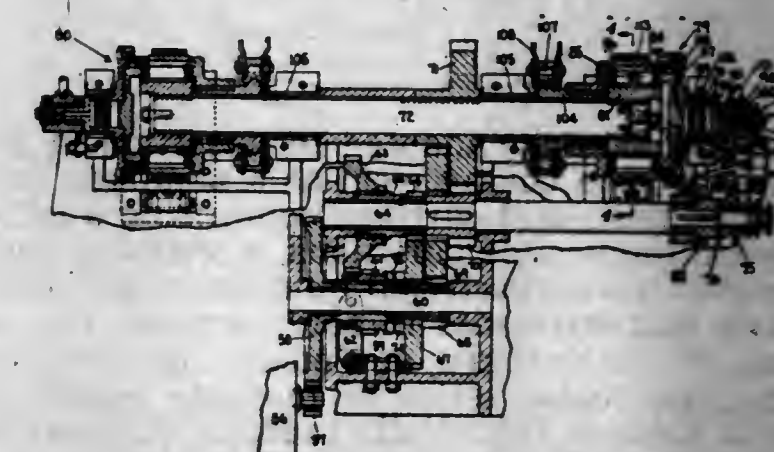


of the drum, and means below the pan for receiving grain discharged from the drum outlets, said means including a screw conveyor.

2,384,182

POWER OPERATED CLUTCH

Edward G. Lewis, London, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application May 25, 1943, Serial No. 488,332
3 Claims. (Cl. 192-85)



1. A combination friction clutch and hydraulic motor actuating means therefor including driving and driven clutch members one of which includes a rotary mounted housing having an end plate, said end plate having an integral part forming a cylinder of the clutch actuating motor, said cylinder having its axis aligned with the axis of said housing, a piston in said cylinder, a clutch compressor plate in said housing having a central crowned boss, said piston having an abutting relation with said crowned boss, and means for supplying fluid pressure to said cylinder thereby to force said piston against said crowned boss and engage said clutch members.

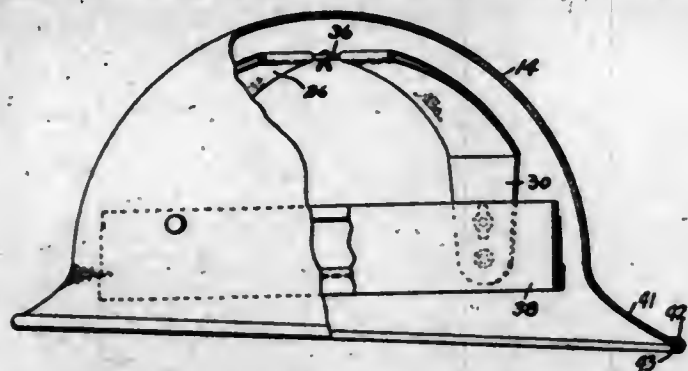
2,384,183

SAFETY HEADGEAR

Frederick R. Ludwell, San Jose, Calif., assignor to E. D. Bullard Company, San Francisco, Calif., a corporation of California
Original application May 19, 1941, Serial No. 394,233. Divided and this application October 18, 1943, Serial No. 506,702
10 Claims. (Cl. 2-3)

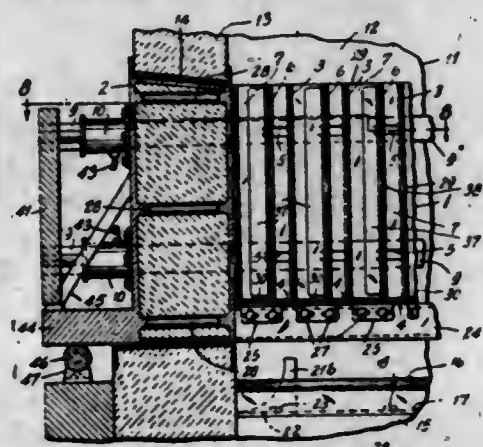
1. A safety hat comprising a body of molded plastic material containing a myriad of unoriented fibers extending indiscriminately in all directions throughout the entire body, suspension supports upon the inside of the body, a plurality

of suspension straps, each provided with a mounting portion having formable plastic mate-



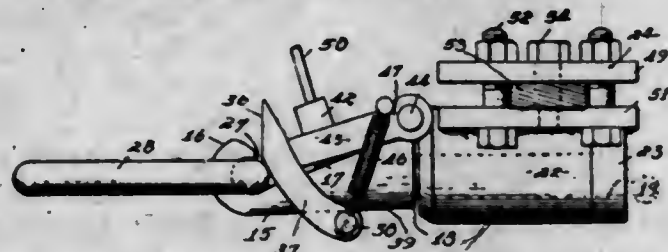
rial consolidated therewith, and means upon the mounting portions for attaching the same to the suspension supports.

2,384,184
APPARATUS FOR MAKING COKE
Corlus Hartsof McKinney, Carbondale, Ill., assignor to Walter E. Ackermann, Belleville, Ill.
Application January 18, 1943, Serial No. 472,680
9 Claims. (Cl. 202—97)



1. A coal carriage adapted for insertion in and removal from a coking oven as a complete self-contained unit, said carriage comprising a series of spaced immovable partitions, a series of movable partitions between said immovable partitions forming compartments in said carriage for receiving coal to be coked, and means for positively moving the entire series of movable partitions so as to apply substantially uniform pressure to the coal in all of said compartments as it is coked therein.

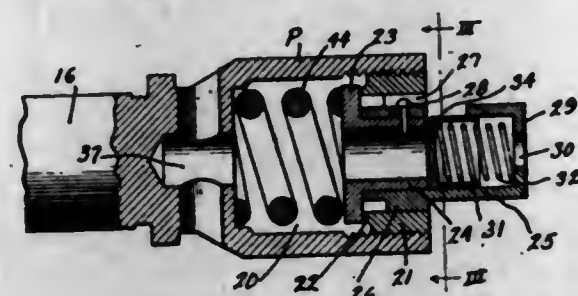
2,384,185
COUPLER DEVICE
Eric M. McElhinney, Dysart, Iowa
Application May 31, 1943, Serial No. 489,186
9 Claims. (Cl. 280—33.15)



1. A coupler for a tractor unit and a trailer unit including a body member having one end carried on said tractor unit and a hook at its opposite end for receiving a hitch on said trailer unit, a pivoted latch member having a portion movable toward and away from a closing position with said hook, axis means intermediate said two ends of the body member for pivotally supporting said latch member, a pivoted locking member pivotally movable in one direction into frictional engagement with said latch member to lock said latch member in hook-closing position, axis means adjacent said one end of the body member for pivotally supporting said locking member, tension means acting on said lock-

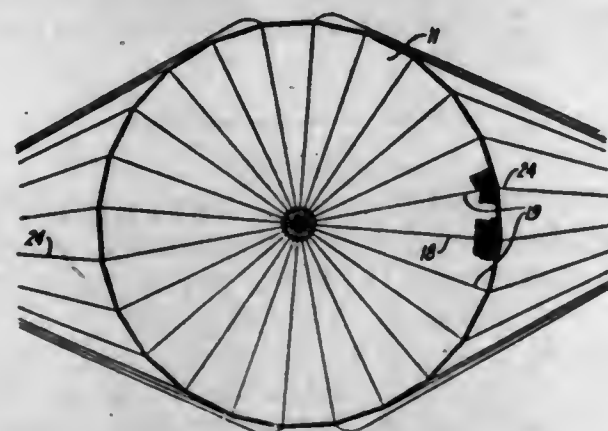
ing member to maintain said frictional engagement, with said latching member and locking member being in relative positions substantially normal to each other when said latch member is in said hook-closing position, said locking member being pivotally movable in an opposite direction an angular distance such that the line of force of said tension means passes through the center of said locking member axis means to provide for said locking member being held in a latch-releasing position by said tension means.

2,384,186
HYDRAULIC SHOCK ABSORBER
Gervase M. Magrum and Bernard E. O'Connor, Buffalo, N. Y., assignors to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application April 10, 1942, Serial No. 438,404
4 Claims. (Cl. 277—45)



1. A valving assembly for a hydraulic shock absorber comprising an annular valve seat member having an annular seating edge at its inner end, a sleeve extending through said seat member and having a flange thereon having sliding fit in said seat member, a valve disk for seating on said annular seating edge, an annular stem extending outwardly from said valve disk into the inner end of said sleeve and secured to said sleeve for movement of said sleeve with said valve, a comparatively heavy spring tending to hold said valve against said seating edge, said flange being slabbed off at opposite sides to leave passageway between said sleeve and said seating member for flow of fluid inwardly against said valve disk for opening thereof, a check valve in the outer end of said sleeve normally abutting the outer end of said stem for closing said stem against fluid flow inwardly therethrough and for opening said stem passageway for outward flow therethrough.

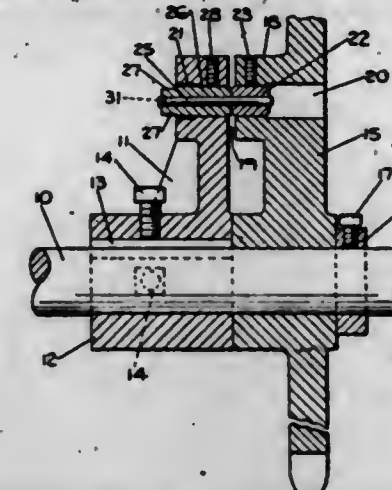
2,384,187
PARACHUTE CANOPY
Frank G. Manson and James J. Maskey, Dayton, Ohio
Application June 7, 1943, Serial No. 489,959
1 Claim. (Cl. 244—145)



In the method of manufacturing light-weight, less bulky parachute canopies, the step of cutting single-piece bias-cut panels, each of which panels has a selvage edge for one of its longer radial edges; the step of sealing the cut edges of the panels to form edges which are equivalent to

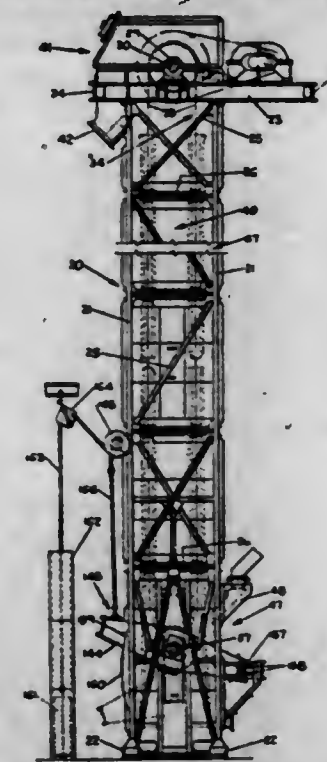
selvage edges and will not ravel; and the step of joining the panels to form a parachute canopy, with selvage edges of adjacent panels being joined to form alternate main radial seams and with sealed edges of adjacent panels being joined to form the remaining main radial seams.

2,384,188
SHEAR PIN MECHANISM
Stanley M. Mercier, Bexley, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application June 25, 1942, Serial No. 448,396
5 Claims. (Cl. 64—28)



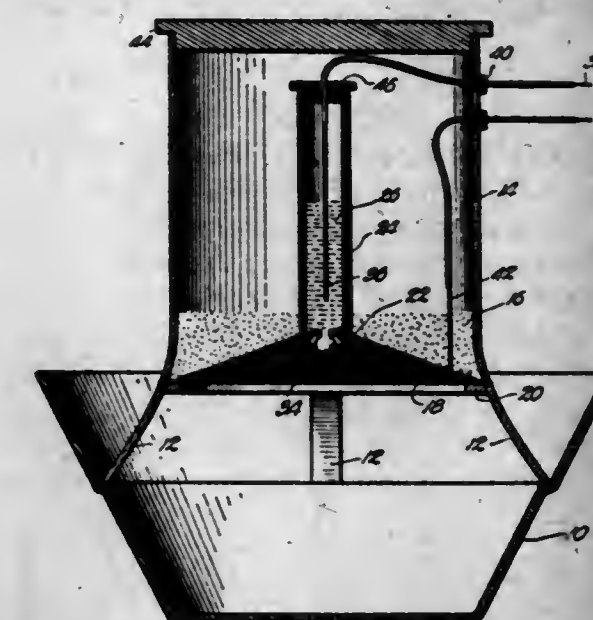
2. Safety mechanism including two members, one a driving member the other a driven member, shear pin means interconnecting said members, said shear pin means including a bushing mounted for adjustment about its axis on one of said members, said bushing being provided with a shear pin opening, said opening being eccentric relative to the axis of said bushing.

2,384,189
ELEVATOR
Stanley M. Mercier, Bexley, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application May 2, 1944, Serial No. 533,718
8 Claims. (Cl. 198—207)



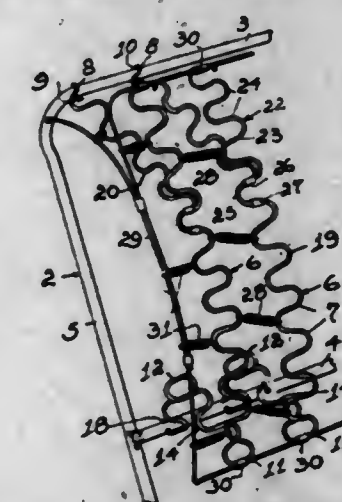
1. In an elevating conveyor, an enclosing housing, endless chain conveyor mechanism in said housing including a head shaft, a second shaft extending through said housing, means providing a slidable seal between said second shaft and said housing, and means including an eccentric wheel on said second shaft for moving said slidable seal cyclically upwardly and downwardly to prevent sticking thereof when said conveyor mechanism is in operation.

2,384,190
INSECT ATTRACTOR AND DESTROYER
Milo F. Miller, Kansas City, Mo.
Application August 28, 1944, Serial No. 551,545
5 Claims. (Cl. 43—112)



4. An insect attractor and destroyer comprising in combination, a receptacle for powdered insecticide provided with a substantially conical, foraminous bottom extending upwardly thereinto from its side walls; a container in the receptacle having a portion thereof extending through the foraminous bottom said container having a coagulable insect attracting liquid therein, the portion of the container extending through said foraminous bottom having an opening therein of a size to permit formation of a globule of the attracting liquid on the exterior of the container without the liquid flowing therefrom; and an electrode suspended within the liquid of the container, said electrode having a conductor extending to a source of current, said foraminous bottom being formed of conducting material and having means for connecting the same in circuit with the said electrode, said container being of non-conducting substance.

2,384,191
SPRING AND SPRING CONSTRUCTIONS FOR CUSHIONED SEATS
William H. Neely, Cleveland, Ohio, assignor, by mesne assignments, to The Universal Wire Spring Company, Cleveland, Ohio, a corporation of Ohio
Application November 18, 1941, Serial No. 419,579
7 Claims. (Cl. 155—179)



5. A seat structure comprising in combination a frame, and a plurality of elongated longitudinally extensible springs spanning said frame and rigidly attached to opposite rails thereof, each of said springs including a main body portion having at its opposite ends attachment and supporting means, one of said attachment and supporting means being V-shaped and having one arm co-operating with said main body portion in provid-

ing said spring with an elongated resting member, each of said springs in unassembled condition having a concavely shaped main body portion following substantially the shape of the load applied and said springs in assembled condition being torsionally pre-tensioned into convex outline.

2,384,192

WELL PACKER AND APPARATUS FOR PRODUCING WELLS

Herbert C. Otis and John C. Luccous, Dallas, Tex.; said Luccous assignor to said Otis
Application August 26, 1940, Serial No. 354,172
14 Claims. (Cl. 166-2)

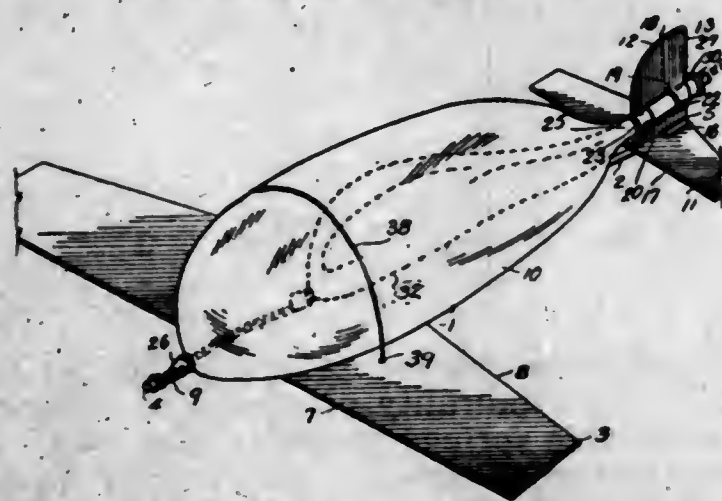


1. A well packer apparatus including, a packer having means for anchoring it in a well, a well tubing member extending through and detachably connected to the packer and movable longitudinally relative to the packer when the packer is anchored and the tubing member is detached therefrom, the packer having a fluid by-pass therethrough exteriorly of the bore of the tubing member open when the tubing member is attached to the packer, and means carried by the packer coacting and engageable with the tubing member to shut off the by-pass when the tubing member is detached from and moved longitudinally of the packer past said means, said tubing member being further longitudinally movable relative to the packer after the by-pass is shut off.

2,384,193

TOY AIRPLANE

Beverly H. Platt, Kansas City, Mo.
Application February 13, 1945, Serial No. 577,764
12 Claims. (Cl. 46-76)



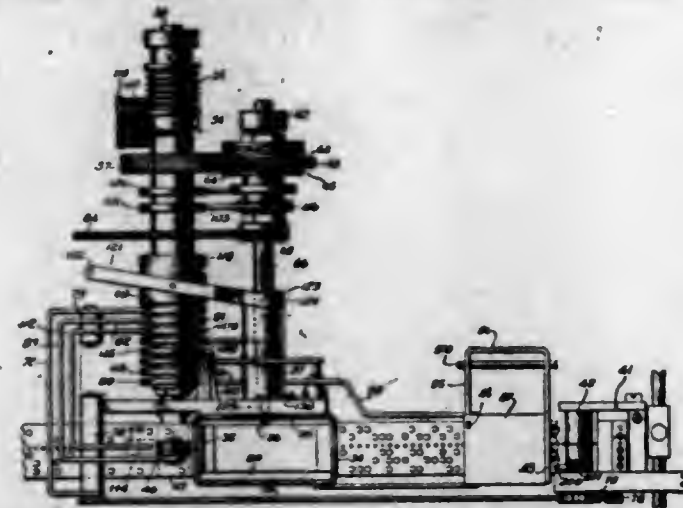
4. A device of the character described including a longitudinal member, sustaining wings extending laterally of the forward end of said member, a tail assembly fixed to the rear end

of said member including a rudder, an inflatable bag having a knob on one end and a nozzle at the other end, a flexible connection between the knob and the forward end of said member, and means for connecting said nozzle with the rudder.

2,384,194

TAPE DISTRIBUTION SYSTEM

Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application July 20, 1942, Serial No. 451,576
20 Claims. (Cl. 178-17)

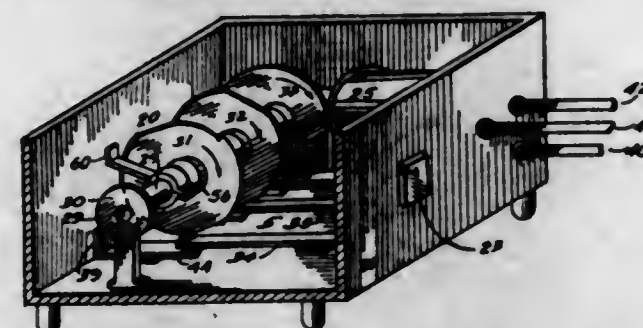


2. In combination with a tape coiling and packaging machine, an apparatus for preparing a tape with control indicia, feeding means for advancing said tape as each indicia signal is made, means for advancing said tape during a continuous interval in response to an end of message signal in said preparing apparatus, a winding arbor, and means for shifting said winding arbor into position to engage an end of said tape comprising means effective following the response of said continuous tape advancing means for winding said tape into an involute coil within said packaging machine.

2,384,195

REMOTE CONTROL FOR VARYING ELECTRIC WELDING RESISTANCE

Joseph Michael Puleo, Dundalk, and Anthony Joseph Puleo, Baltimore, Md.
Application September 18, 1943, Serial No. 502,932
2 Claims. (Cl. 201-48)



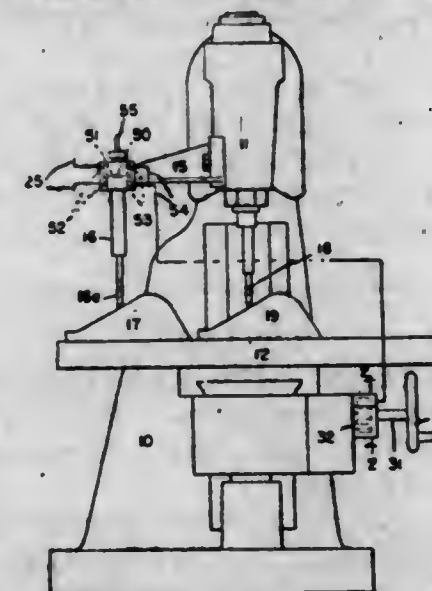
1. A control unit of the class described comprising in combination, a cabinet, a plurality of contact plates suspended and insulated in the cabinet and spaced from each other and independently arranged therein and provided for connections to resistors exteriorly located, auxiliary contact plates mounted in the cabinet and normally aligned but spaced therefrom so as to permit contact to be made between them when forced towards each other, a plurality of cam wheels rotatively suspended in the cabinet and aligned with the first mentioned contact plates so as to periodically press same against the auxiliary plates in predetermined sequence so as to vary the use of the resistors to make selective combinations therewith according to the form of the cam wheels and position relative to each other, a shaft supporting the cam shafts spaced

and parallel with each other in the cabinet and adjacent to the said contact plates for making same connect with each other, and an indicator operated by the shaft for showing the setting of the contacts as the said cam wheels rotate, solenoid means in the cabinet for rotating the cam wheels and bringing their cam faces into contact with the contact plates aforesaid, for closing circuits to the resistors connected therewith in a conventional manner.

2,384,196

HAND-FEED CONTROL MEANS FOR DUPLICATING MACHINES

Oscar E. Rosen, Detroit, Mich.
Application December 29, 1941, Serial No. 424,730
2 Claims. (Cl. 90-13.5)

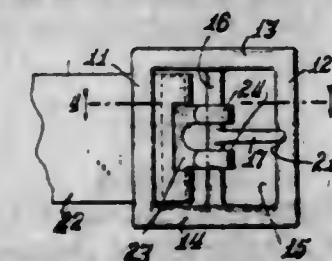


1. In a duplicating cutting machine having a tracer including electric circuit making and breaking means adapted to control action of the cutter in one direction and including a rotatable member hand operated means for controlling action of the cutter in another direction, electrically actuated braking means including frictionally engageable and disengageable members constructed and arranged to create a drag on said rotatable member to thereby control the speed of rotation of the hand operated means, and additional circuit making and breaking means in said tracer for causing actuation of said electric speed control means.

2,384,197

BUCKLE

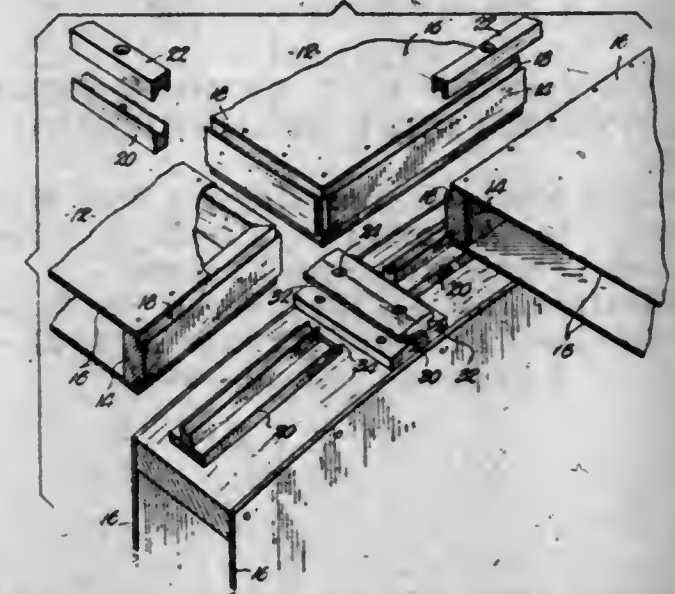
Rudolph E. Schreiber, Chicago, Ill.
Application May 3, 1943, Serial No. 485,543
3 Claims. (Cl. 24-186)



1. A buckle comprising a frame having transverse end portions and connecting side portions defining an opening, a transverse bar integral with the side portions and bisecting said opening, a tongue integral with said bar, said tongue being located substantially midway between the ends of said bar and having its free end located in spaced overlapping relation to one frame end portion, a notch in said frame end portion underlying said free tongue end, and shoulders on said bar, said shoulders being disposed on opposite sides of the tongue and providing an abutment for the edges of hook portions of an associate member when the latter is engaged over the bar between said shoulders.

2,384,198

INTERLOCKING BUILDING STRUCTURE
Ralph O. Sheldon, Kansas City, Mo., assignor to Emile S. Guignon, Jr., Kansas City, Mo.
Application August 24, 1942, Serial No. 455,831
8 Claims. (Cl. 108-1)

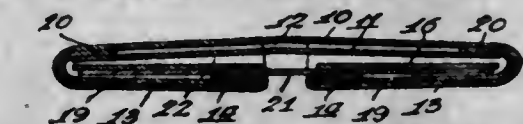


1. In a building of the character described, a superstructure; pillow blocks secured to the superstructure; a plurality of units arranged in edge-to-edge relation to form a wall or the like; and a coupling assembly between proximal edges of the units, said coupling assembly being slidably carried by the pillow blocks.

2,384,199

BILLFOLD

Lester L. Sherwood, Los Angeles, Calif.
Application February 20, 1943, Serial No. 476,555
4 Claims. (Cl. 150-38)

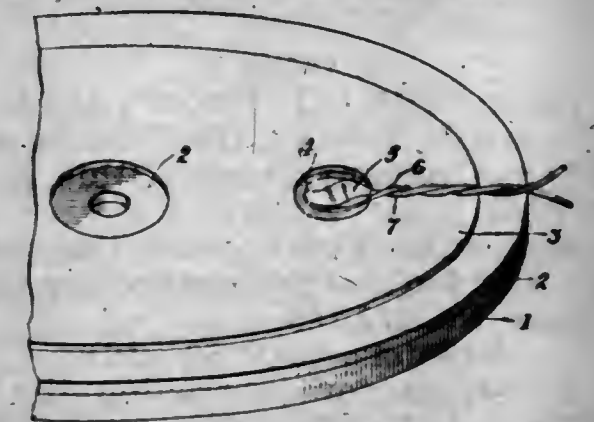


1. A bill fold formed in a single piece from flexible material and comprising a back wall, a back wall lining integral with the upper edge of said back wall, pocket forming walls integral with the ends of said back wall, pocket partition walls formed integral with the upper edges of said pocket forming walls, pocket partition walls formed integral with the lower edge of said back wall and tabs formed integral with the ends of the pocket forming walls that project from the ends of the back wall, which tabs are folded inwardly behind the inner ends of the pocket partition walls which are formed integral with the lower edge of said back wall.

2,384,200

SELENIUM RECTIFIER TEMPERATURE INDICATOR

George H. Shoemaker, Brooklyn, N. Y., assignor to Federal Telephone & Radio Corporation, New York, N. Y., a corporation of Delaware
Application May 1, 1943, Serial No. 485,379
4 Claims. (Cl. 175-366)



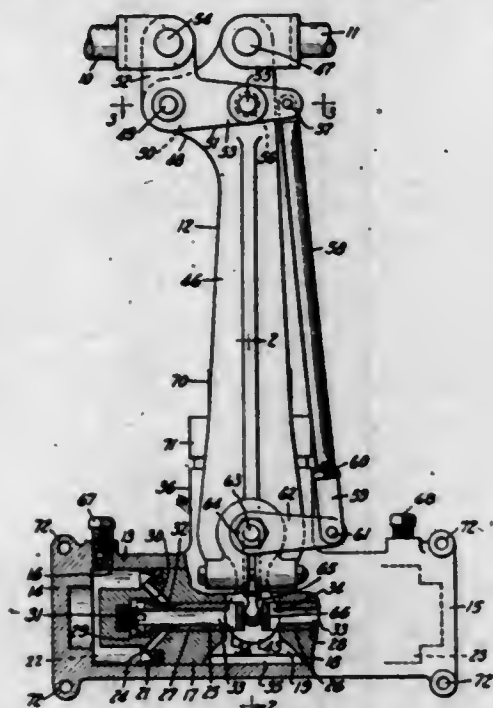
1. A selenium rectifier element comprising a base plate, a layer of selenium placed over a sur-

face of said base plate, a counter-electrode placed over said selenium layer so as to leave exposed a small area of said selenium layer, and a thermocouple junction fused to the said exposed area of said selenium layer.

2,384,201

LOCKING DEVICE FOR REMOTE CONTROL AND OTHER FORCE TRANSMITTING SYSTEMS

John Keith Simpson, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, England
Application July 17, 1944, Serial No. 545,358
In Great Britain February 12, 1943
7 Claims. (Cl. 74-469)



1. An automatic hydraulic locking device comprising an actuating member, an actuated member, means including a lost motion connection connecting the actuating member to the actuated member, a locking chamber having liquid therein, the volume of liquid in said chamber being reduced as the actuated member is moved, a valve device arranged to be opened by the actuating member in taking up the lost motion, thus allowing liquid to escape from said locking chamber as the movement of the actuating proceeds, and a movement increasing mechanism including an auxiliary lever connecting the actuating member and the valve device whereby a small initial movement of the actuating member permitted by the lost motion connection serves to open the valve by an increased distance, a plunger in the locking chamber, a main lever connected to the actuated member and operatively connected to the plunger, said auxiliary lever being pivoted on the main lever and connected to the actuating member so that on completion of the valve-opening movement the main and auxiliary levers move as one to transmit the operating force from the actuating member to the actuated member.

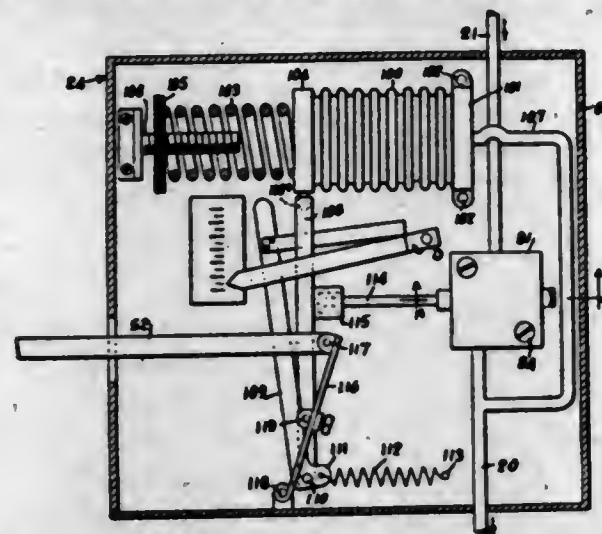
2,384,202

PRESSURE CONTROL VALVE

Charles V. Smith, Dayton, Ohio, assignor to The Univis Lens Company, Dayton, Ohio, a corporation of Ohio
Original application February 24, 1941, Serial No. 380,149. Divided and this application October 1, 1941, Serial No. 413,189
8 Claims. (Cl. 50-10)

1. An apparatus for controlling the flow of pressure fluid to a forming press comprising pressure regulating valve means for opening and closing a fluid conducting conduit, means actuated

by the fluid pressure on the discharge side of said valve for closing said valve, means for urging the said actuated means toward valve closing position, and means opposing said last mentioned

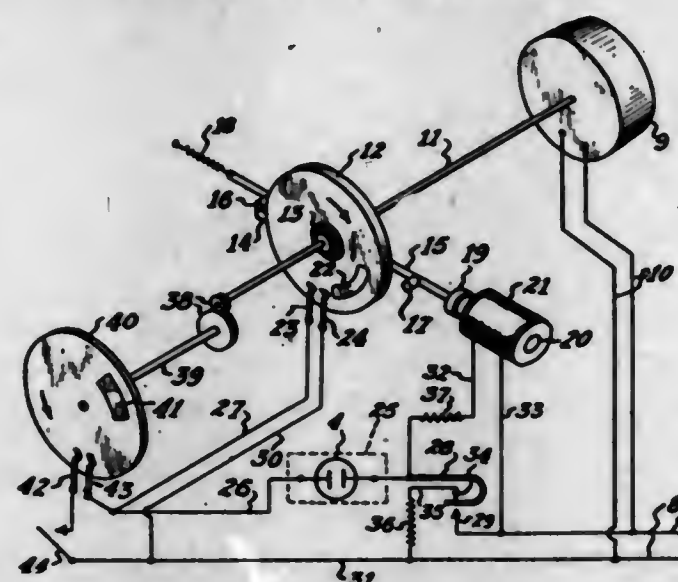


means actuated by a time controlled mechanism for gradually opening said valve to increase the fluid pressure on the discharge side of said valve before the pressure actuated means can respond to close said valve.

2,384,203

IRRADIATION PROCESS AND MEANS

George Spertl, Covington, Ky., assignor to Science Laboratories, Inc., Norwood, Ohio, a corporation of Ohio
Application August 9, 1940, Serial No. 352,004
21 Claims. (Cl. 99-218)



2. A process of treating food stuffs which comprises maintaining said food stuffs under conditions of substantially cyclical variation of temperature and irradiating said food stuffs with ultraviolet light, the periods of irradiation being confined to the low temperature portions of said cyclical variation.

2,384,204

TOOL AND METHOD FOR MAKING THE SAME

Leo J. St. Clair, East Orange, N. J.
Application July 21, 1941, Serial No. 403,397
4 Claims. (Cl. 76-101)



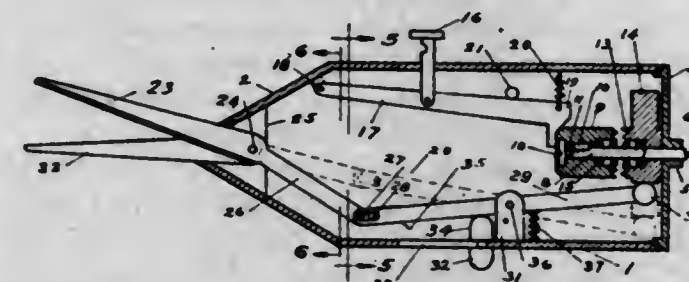
1. In a method for securing a pre-hardened high speed steel tip to a steel support, the steps comprising applying flux and a low temperature

brazing medium between the joinder surfaces of the tip and support, applying heat to the support to melt the brazing medium and wet the joinder surfaces of the pre-hardened high speed steel tip and support with the brazing medium, controlling the quantity of heat going into the tip from the support to prevent heating the useful portion of the tip above its draw temperature and to set the brazing medium, discontinuing the application of heat to the support, and cooling the tip to avoid rise of its temperature above the draw point of the high speed steel so long as the heat transferable from the support is sufficient to accomplish such heating of the tip.

2,384,205

POWER SCISSORS

John T. Stone, Baltimore, Md.
Application July 26, 1943, Serial No. 496,185
2 Claims. (Cl. 30-247)

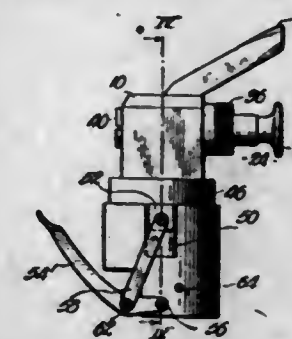


1. A cutting shears of the class described comprising in combination, a casing having a tapered front portion positioned on the longitudinal axis thereof with an opening therein, a stationary cutting blade attached to one side of the casing with its cutting portion projecting through the opening parallel to the longitudinal axis of the casing, a movable cutting blade pivoted to the stationary blade so as to operate therewith for cutting purposes, the pivoting point of the blades being within the casing and back of said opening, a handle lever attached integrally to the movable blade and angularly disposed with respect to the said axis so as to operate close to the wall of the casing, a lever pivoted adjacent to the wall of the casing with one end portion slotted for sliding connection with the said handle so as to give same and its movable blade its cutting action, the other end portion of the lever being free and travelling adjacent to the rear of the casing, a cam member mounted on the rear of the casing and adapted to contact the free end of the lever and move same up and down as it rotates, a button regulator slidably mounted in the casing and adapted for contacting and adjustably stopping the movement of the first mentioned end portion of the lever at predetermined points of length, a shaft passing through the rear of the casing for operating the shears with power from an external source, a clutch member mounted on the shaft arranged for driving the cam member when in operating connection therewith, a spring for keeping the clutch and cam member disengaged, another lever pivotally connected to the wall of the casing and with its end portion slanted to engage the clutch and move it into engagement with the cam member, a spring for suspending the last mentioned lever in position and normally out of the position to cause the engagement of the clutch with the cam member, and a button member attached to the last mentioned lever for manually operating same from outside of the casing so as to control the engagement of the clutch with the cam member and its operative action on the first-mentioned lever and movable blade substantially as described.

2,384,206

POURING ATTACHMENT FOR BOTTLES

Clarence E. Stow, Kansas City, Mo., assignor of one-fourth to Eldred R. Guthrie, one-fourth to Harold J. Anderson, and one-eighth to Ralph L. Fuller, all of Kansas City, Mo.
Application January 19, 1944, Serial No. 518,781
3 Claims. (Cl. 222-88)

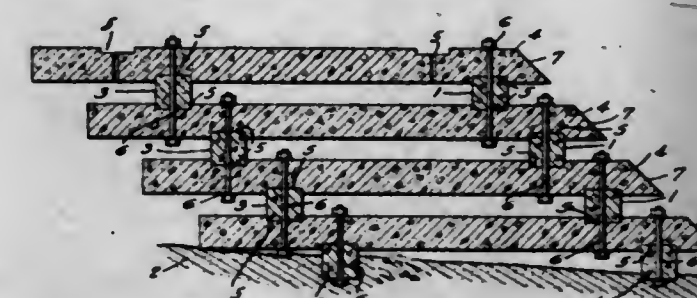


1. A pouring attachment for capped bottles of carbonated liquid or similar material, said attachment comprising a body having a passage formed therethrough; a manually manipulable, normally closed valve for controlling the flow of liquid through the said passage; a tubular cap-perforating tube in communication with the passage and having a portion projecting from the body; a sealing sleeve surrounding the full length of the projected portion of the tube before the attachment is in place on the capped bottle; an anchoring collar having means at one end for gripping the lip of the bottle cap, said collar being provided with notches at the opposite end thereof; bosses on the body disposed in said notches; and links interconnecting the body and collar for relatively moving the same.

2,384,207

SAND TRAP

Lothar H. Stoye, San Leandro, Calif.
Application February 23, 1944, Serial No. 523,769
3 Claims. (Cl. 61-3)



1. A shore front sand trap comprising a set of horizontally disposed parallel beams arranged in vertically spaced set back relation, a second set of similar horizontally disposed parallel beams also arranged in vertically spaced set-back relation, each beam of the second set being to the rear of, opposite to and in the same horizontal plane as a beam of the first set, the beams of said second set being separated from those of the first set by the same predetermined distance, and a plurality of cross beams secured to the beams of both of the first mentioned sets in alternating relation with respect thereto.

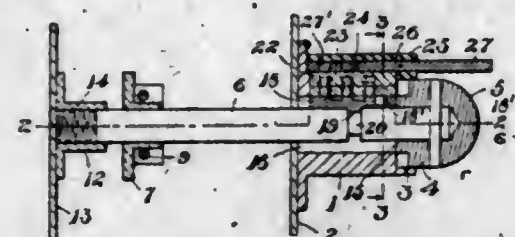
2,384,208

MAGNETIC LOCK

William Felix Stroud, Humber Bay, Ontario, Canada, assignor to Neptune Meters Limited, Long Branch, Ontario, Canada
Application May 25, 1944, Serial No. 537,322
4 Claims. (Cl. 70-276)

1. In a magnetic lock, the combination with a locking member, of a slidable and rotatable spindle adapted to be operated with a sliding

movement into and out of operating relation with said locking member, a block slidably mounted and rotatably connected with said spindle and having a plurality of selectively arranged recesses in one face thereof, a fixed block having cylindrical recesses selectively arranged to register with recesses in said slidable block, magnetized pins slidably mounted in the recesses in said fixed

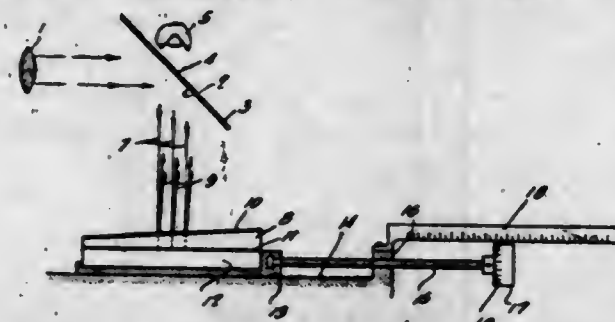


block and adapted to extend therefrom into the recesses in said slidable block to hold the spindle rotatably connected therewith out of operating engagement with the locking member, and a key having magnetic metal inserts to register with certain of said pin recesses and to operate said pins to release the slidable block and permit the slidable movement of the lock operating spindle.

2,384,209

METHOD OF PRODUCING OPTICAL WEDGES

Thomas W. Sukumlyn, Los Angeles, Calif.
Application July 13, 1940, Serial No. 345,361
2 Claims. (Cl. 117-106)

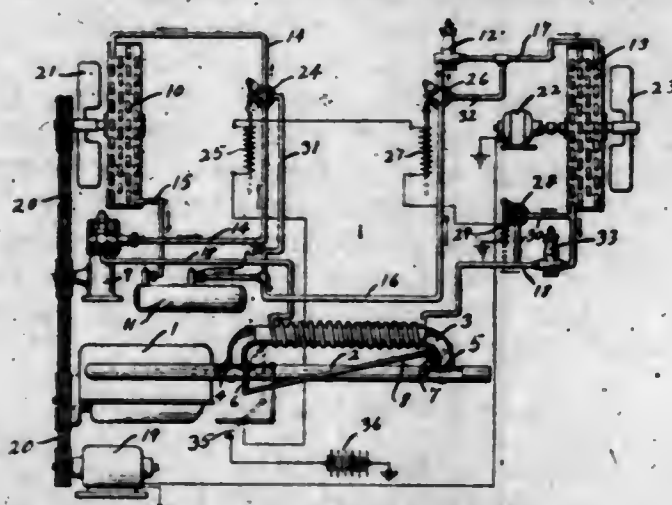


1. The method of forming a cylindrical transparent optical wedge which comprises evaporating a transparent medium, directing the evaporated transparent medium toward a receiving member having a cylindrical surface, and angularly moving a screen across the path of the evaporated medium at a uniform rate about the axis of the surface.

2,384,210

REFRIGERATION UNIT

James J. Sunday, Detroit, Mich.
Application December 8, 1941, Serial No. 422,089
2 Claims. (Cl. 62-115)



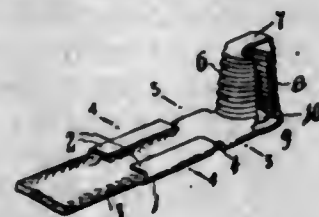
1. In a refrigerating system comprising a compressor 9, a condenser 10, an evaporator 13, a line 14 connecting the high side of the compressor with the condenser, a line 15, 16, 17 connecting the condenser with the evaporator, a suction line 18 connecting the evaporator with the low side of the compressor, a first solenoid operat-

ed by-pass valve 24 connected into the line 14 between the high side of the compressor and the condenser, a by-pass line 31 forming a connection between the above said by-pass valve 24 and the said line 15, 16, 17 between the condenser and the evaporator, an expansion valve 12 in the second mentioned line 15, 16, 17 positioned between the evaporator and the point at which the above said by-pass line 31 connects into the line 15, 16, 17 between the condenser and evaporator, a second solenoid operated by-pass valve 26 in the line 15, 16, 17 running between the condenser and evaporator and positioned between said expansion valve 12 and the point at which said by-pass line 31 connects into the line 15, 16, 17 running between the condenser and the evaporator, a by-pass line 32 about said expansion valve 12, the second mentioned by-pass line 32 connecting the second mentioned solenoid operated valve 26 with the part of the second mentioned line 15, 16, 17 extending from said expansion valve 12 to the evaporator 13, an internal combustion engine for operating said compressor, an exhaust line 3 for said engine constituting a source of heat, said exhaust line being in heat exchange relation with said line 18 connecting the evaporator with the low side of the compressor, a valve 4 for said exhaust line, said exhaust line valve 4 when closed preventing the exhaust gases from flowing through said exhaust line and when open permitting the exhaust gases to flow through said exhaust line 3, and means for coincidentally operating said solenoid by-pass valves 24, 26 to open them into their respective by-pass lines 31, 32 and for opening said exhaust line valve 4, whereby the refrigerant may bypass the condenser 10 and the said expansion valve 12 in the line 15, 16, 17 running between the condenser and evaporator and whereby the exhaust gases may flow through the exhaust line 3 and the refrigeration system may be quickly defrosted.

2,384,211

BATTERY TERMINAL CONNECTION

John G. Sutherland, Toronto, Ontario, Canada
Application July 17, 1943, Serial No. 495,393
4 Claims. (Cl. 173-259)



4. A battery terminal, comprising a pair of part-circular threaded sheet metal members connected by a narrow strip and adapted to fit over a tapering battery terminal post, a washer extension from the base of one of said threaded members adapted to fit over the battery post and having an extending lug, an extension from the base of the other of said tapered threaded members having lugs turned inwardly to embrace the side edges of the lug extension of said washer member, and an extension adjacent to the aforesaid lug members having inturned lug members to embrace a current cable.

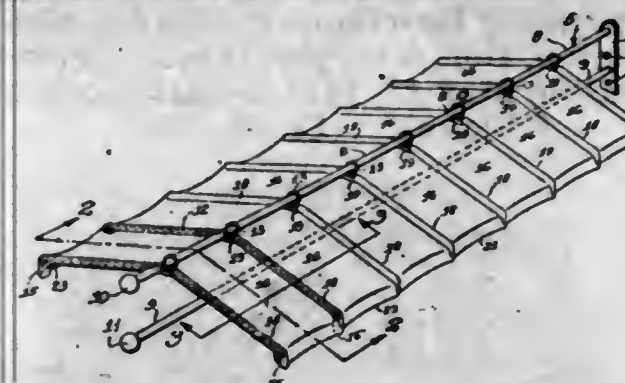
2,384,212

COMBINED CANOPY AND GARMENT PROTECTOR

Albert Taylor, Detroit, Mich.
Application April 27, 1944, Serial No. 533,066
12 Claims. (Cl. 135-8)

1. A garment hanger and protector, comprising a bracket adapted to be affixed to a vertical

supporting surface, a supporting bar carried by said bracket, a series of frame members slidably mounted on said bar and a flexible cover connect-

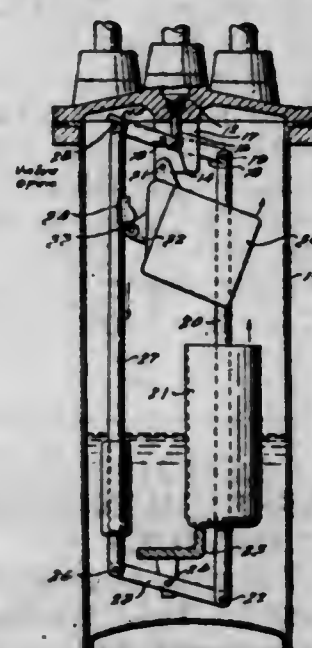


ing said frame members in spaced apart relation to facilitate folding of said cover to selected positions along said bar.

2,384,213

VALVE CONTROL MEANS

Otto Thiel, Detroit, Mich.
Application December 6, 1943, Serial No. 513,159
2 Claims. (Cl. 137-69)



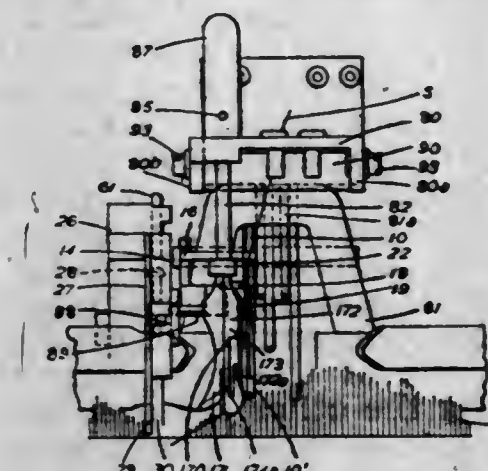
1. A control means for the upper head vent valve of a tank having a gas charged liquid inlet and a gas charged liquid outlet, and having a vent, and a valve below it for rising and closing it or for dropping and opening it, comprising a counterweight made up of a plurality of members, one member being connected to the valve and having a normal tendency to drop and thus bias said valve upwardly to close, but also movable upwardly to bias said valve downwardly to open, an open top liquid filled cup at the lower end of the tank operatively connected to another member of the counterweight in such a manner that when the liquid level is below the upper end of said lower cup it tends to drop and overcome the effect of and lift both the counterweight members and lower the valve to open, but when the liquid level is above the said lower cup, it exerts no bias on the counterweight member which is connected to the cup but rather frees both counterweight members and permits the counterweight member which is connected to the valve to drop and lift the valve to close, a latch means for the counterweight member which is connected to the cup to prevent it from rising or falling, an open bottom cup at the upper end of the tank arranged to move up or down with the rise or fall of the liquid level and operatively connected to the latch in such a manner that when the said upper cup is raised it unlatches the counterweight member which is connected to the cup to move upwardly or downwardly, but when the upper cup drops, it latches the counterweight member which is connected to the cup to hold it elevated, if it is already up in the valve-open position and thus

prevents the counterweight members from dropping to close the valve, or to hold it lowered, if it is already down in the valve closed-position, and thus prevents the counterweight members from rising to open the valve, and a cam on the counterweight member which is connected to the cup for providing a snap release of the latch, when the counterweight member which is connected to the cup is down and is held down by the upper cup and latch, whereby, when the weight of the lower cup is in excess of the counterweight members, but only then, the lower cup will drop, to actuate the cam to release the latch, in opposition to the weight of the upper cup, and move the counterweight members upwardly and thus move the valve to open with a snap action, the upper cup then dropping to relatch the counterweight member which is connected to the cup, but this time in its elevated and valve-open position.

2,384,214

KNITTING MACHINE

Ralph Norman Toone, Wollaton Park, England, assignor to B. Toone (Nottingham) Limited, Nottingham, England
Application October 16, 1943, Serial No. 506,569
In Great Britain August 25, 1942
4 Claims. (Cl. 66-134)



1. In a knitting machine of the kind having needles and a yarn feeder displaceable between feeding and non-feeding positions; a yarn-control device located at the plain side of the needles in a stationary attitude for receiving a withdrawn yarn upon movement of the feeder to non-feeding position and for positioning said yarn for re-introduction to the needles upon movement of the feeder to the feeding position, which device is stationary during displacement of the feeder between feeding and non-feeding positions and comprises a narrow gap, extending transversely of the run of the yarn and in the general direction in which the yarn is moved upon movement of the feeder to non-feeding position, for reception of the yarn upon said movement to non-feeding position; a hook for receiving the yarn upon movement of the feeder to feeding position; and a tip to said hook, encroaching into the gap, for engaging the yarn upon the last-said movement and for diverting it into the hook.

2,384,215

POWDER METALLURGY

Harry A. Toulmin, Jr., Oakwood, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Application July 3, 1944, Serial No. 543,310
11 Claims. (Cl. 75-22)

1. The method of making articles from metal powder at least a portion of which is magnetic which comprises placing the said powder in a mold cavity, subjecting said powder in said mold

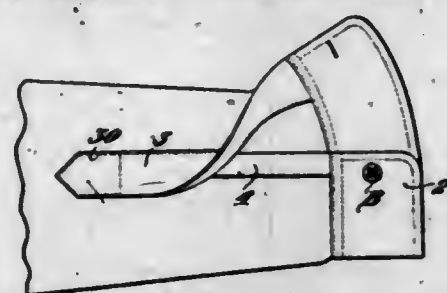
cavity to a magnetic field whereby to align the metal particles in predetermined position, thereafter subjecting the powder to mechanical vibration whereby to compact the metal particles, thereafter heating the powder, and thereafter pressing the heated powder in said mold cavity to produce a finished article.

2,384,216

METHOD OF FACING SLEEVES

Simon Touloumis, Troy, N. Y., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York

Application September 20, 1943, Serial No. 503,081
4 Claims. (Cl. 2-121)

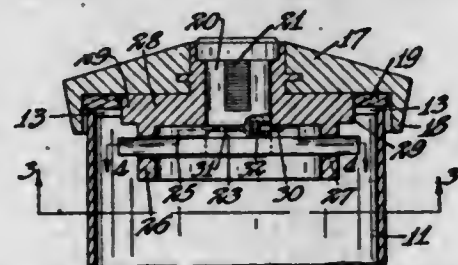


1. That method of facing the edges of a slit shirt sleeve having a slit extending inwardly from its wrist end, the inner end of the slit being defined by a triangular tongue, which comprises as steps providing lengths of facing material, doubling each strip and turning in its edges, then inserting the opposite margins of the sleeve material between the doubled-in edges of the respective strips and sewing said edges and margins together, each strip being extended beyond the base of said triangular tongue a short distance to form free tabs each approximating the width of the respective folded strip, folding the triangular tongue back across the outer surface of the sleeve material, lapping one of the tabs over the folded tongue, lapping the other tab over the first tab, and forming a transverse seam substantially at the base of the tongue.

2,384,217

LOCKING CAP FOR FUEL TANKS AND THE LIKE

Nicholas W. Trautner, St. Paul, Minn.
Application January 18, 1943, Serial No. 472,687
1 Claim. (Cl. 70-168)

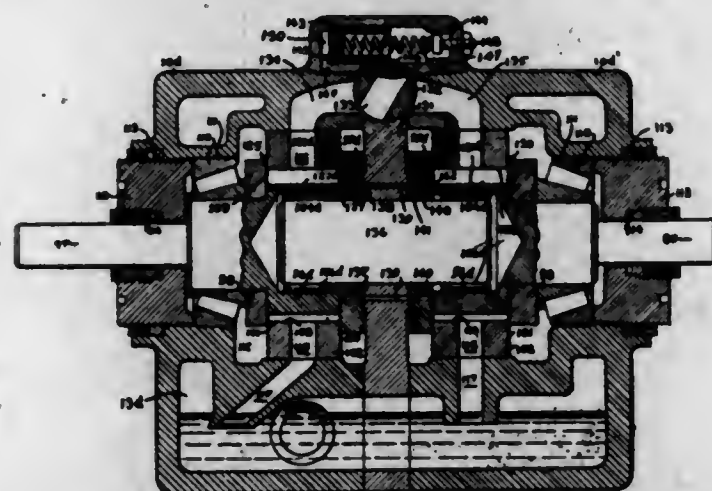


In a locking cap for a tank having a mouth and fastening members projecting within the mouth, an annular closure cap, a lock controlled shaft adapted to be turned about its vertical axis and projecting downward within the cap concentrically therewith, the improvements which comprise, a centrally located, lower end portion of said shaft formed to detachably receive and turn a locking bar, a rigid locking bar having a central bearing fitting said end portion of the shaft and affording a fixed connection therewith, opposite ends of said bar projecting to engage said fastening members within the mouth of the tank and an annular, downwardly projecting flange formed on the cap concentrically with said shaft, said flange being formed with arcuate, horizontally elongated slots to receive and guide the outer end portions of said bar.

2,384,218

HYDRAULIC TRANSMISSION

Warren R. Tucker, Oakwood, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application May 31, 1941, Serial No. 396,032
7 Claims. (Cl. 60-53)

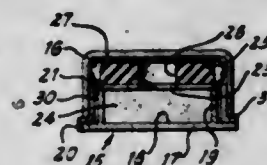


4. A hydraulic transmission having a pair of vane pumps operating as the power unit and the motor unit thereof, means for conducting fluid pressure from the discharge side of the power unit to the under side of the vanes of both of said units for maintaining the outer ends of the vanes in engagement with their respective cylinder walls, and means for establishing positive pressure in the discharge side of said power unit to position the outer ends of the vanes in engagement with their respective cylinder walls before fluid is conducted to the motor unit for actuation thereof.

2,384,219

METHOD OF ASSEMBLING DISPENSING DEVICES

Albert E. Vaughn, Orange, N. J.
Application August 28, 1943, Serial No. 500,319
8 Claims. (Cl. 154-41)



7. A method of making a dispensing device, including the steps of: forming a first member including a ring element having a porous top sheet the margin of which is secured to the inner wall of the ring element; forming a second member including a cylindrical member having an external diameter slightly smaller than the internal diameter of said ring element; applying a bonding substance to the periphery of said cylindrical member, said substance being adapted to bond said cylindrical member relative to said ring element; and telescoping said second member into said first member to bond said cylindrical member relative to said ring element.

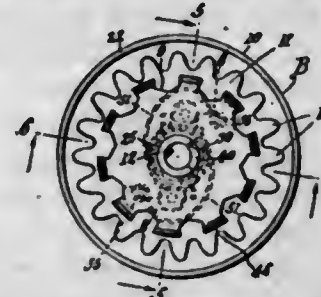
2,384,220

COUNTER

Harold B. Vroom, Hartford, Conn., assignor to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut
Original application July 4, 1941, Serial No. 401,061, now Patent No. 2,358,780, dated September 26, 1944. Divided and this application May 22, 1943, Serial No. 488,017
10 Claims. (Cl. 235-1)

1. A counter unit comprising a numeral wheel having a central hub, a pair of pillars carried

by the hub to opposite sides thereof and terminating short of one end of the hub, ratchet pawls pivoted in said pillars, and a disk constituting a driven gear and a ratchet wheel journaled on said end of said hub adjacent said

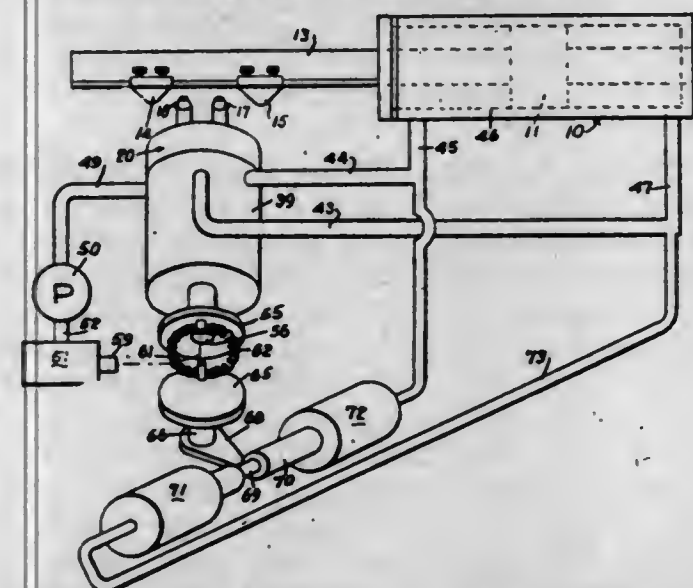


ratchet pawls, the rim of said disk being offset to lie in the plane of said ratchet pawls and being provided on its inner edge with ratchet teeth engageable with said pawls and on its outer edge with gear teeth adapted to mesh with a driving member.

2,384,221

VALVE CONTROL MECHANISM

George A. Waldie, Edison, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application October 1, 1942, Serial No. 460,453
3 Claims. (Cl. 121-155)



1. In a control system, a hydraulic motor, valve means rotatable to control the supply of actuating fluid to said motor, a first rotatable member connected with said valve means, a second rotatable member movable relative to said first member, spring means interconnecting said members, locking means normally locking said first rotatable member in its respective position, fluid operable means hydraulically connected with said motor means for moving said second member selectively in clockwise or anti-clockwise direction through a predetermined angle, means associated with said second member and operable in response to the movement thereof by said fluid operable means for loading said spring means, and adjustable cam means controlled by said motor means and operable selectively to unlock said first rotatable member following the movement of said second rotatable member through said predetermined angle.

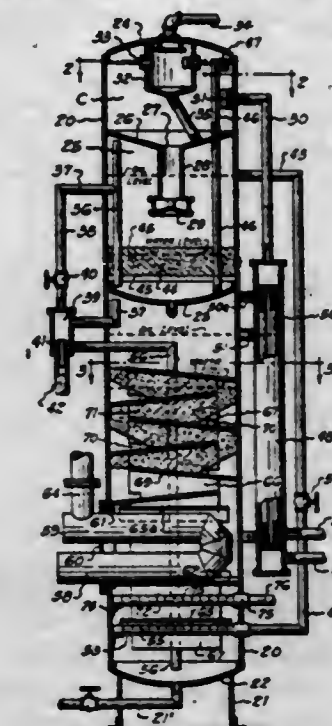
2,384,222

METHOD OF AND MEANS FOR DESALTING PETROLEUM WELL FLUIDS

Jay P. Walker, Tulsa, Okla., assignor of forty per cent to Guy O. Marchant and six per cent to C. G. Wells, both of Tulsa, Okla.
Application April 28, 1941, Serial No. 390,727
7 Claims. (Cl. 252-348)

1. The method of continuously treating and removing extraneous matter from well fluids in the field as they flow from the well which includes,

separating the free water from the well stream, whereby the water content of the well stream is reduced, then conducting the stream into a confined body of heated water wherein said stream is heated and treated to break emulsions and to further extract water from the emulsified oil, ad-

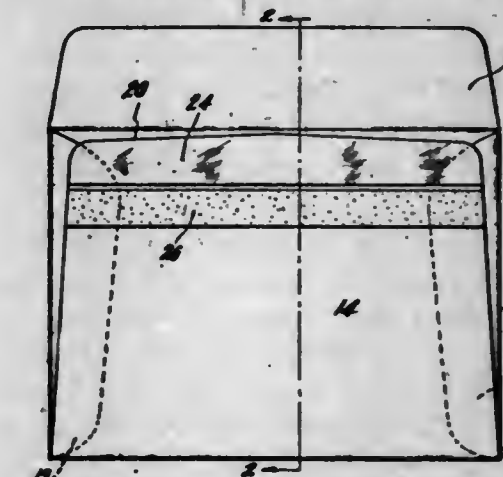


mixing fresh water with the well stream and the body of heated water, flowing the mixture upwardly through a body of salt water, whereby extraneous matter held in suspension in the well fluids is agglomerated with the fresh water in said body of water, and precipitating the extraneous matter from the flowing fluids.

2,384,223

WRAPPER

Ralph H. Wilbur, Melrose, Mass.; Eliza Ellen Wilbur and Harland A. Wilbur, executors of said Ralph H. Wilbur, deceased
Application February 9, 1942, Serial No. 429,994
12 Claims. (Cl. 24-17)



1. An envelope including a lower flap having its upper end portion folded back so as to be in face to face engagement with an adjacent portion thereof, and an upper flap extending down to engage upon said folded portion of the lower flap, one of the faces of said folded portion of the lower flap having a coating of waxy insulating material thereon, the surface engaged by said coated face being coated with a permanently sticky adhesive material.

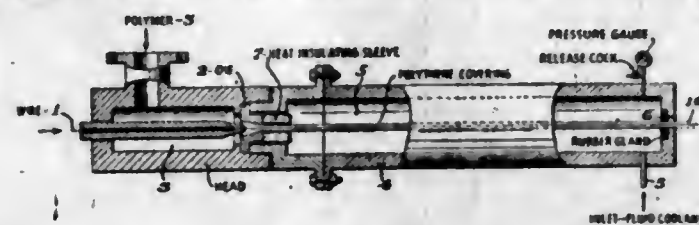
2,384,224

EXTRUSION OF THERMOPLASTIC MATERIALS

Edmond George Williams, Northwich, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application November 3, 1942, Serial No. 464,383
In Great Britain November 3, 1941
4 Claims. (Cl. 18-59)

4. A process of manufacturing wire insulated with a coating of a normally solid polymer of

ethylene having a molecular weight of at least 10,000 which comprises passing the wire and a polymer of ethylene with a molecular weight of at least 10,000 in a molten state through a die whereby the wire is coated with the polymer of ethylene to give a coating of about 2.9 mm. in

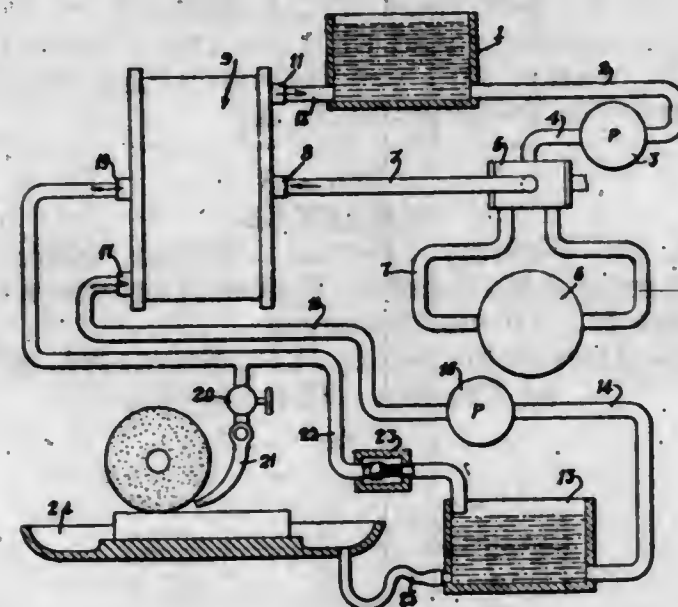


thickness and substantially immediately thereafter cooling the thus coated wire in an aqueous bath at a temperature between 120 and 140° C. wherein the wire is subjected to an external pressure of about 10 lbs. per square inch for at least 0.8 minute.

2,384,225

METHOD AND APPARATUS FOR MAINTAINING UNIFORM TEMPERATURE OF DIVERSE FLUIDS IN MACHINE TOOLS

John C. Wilson, Springfield, Ohio, assignor to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio
Application November 22, 1944, Serial No. 564,674
9 Claims. (Cl. 51-267)



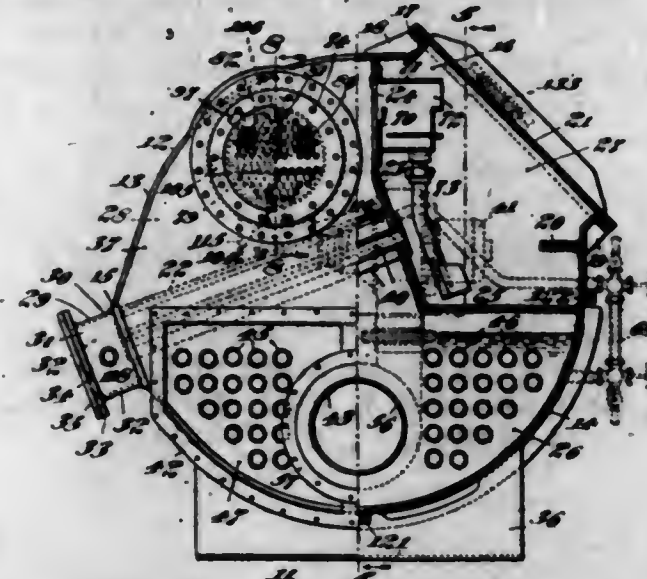
8. In combination a hydraulic actuating fluid circulating mechanism comprising a pump, sump, actuating mechanism for a machine tool having a counterflow heat interchanger in circuit with said pump and sump; a coolant circulating mechanism comprising a sump, pump, spray nozzle and by-pass conveying means to the sump interconnected with said counterflow heat transfer mechanism, said cooling mechanism being so arranged that the coolant fluid may be either returned to the sump through a spray nozzle and thence to the sump or by-pass the spray nozzle and go direct to the sump and valve means associated with the by-pass mechanism and the spray nozzle for regulating the movement of said cooling fluid.

2,384,226

OIL FIRED SINGLE EFFECT EVAPORATOR
Eugene Porter Worthen, Braintree, and Benjamin Fox, Wollaston, Mass., assignors, by mesne assignments, to Buena Vista Iron Company, a corporation of New Jersey
Application August 29, 1944, Serial No. 551,752
9 Claims. (Cl. 202-194)

1. In apparatus for distilling a liquid, a container, wall means within said container dividing the same into a first compartment, a second compartment, and a third compartment, said first compartment being adapted to contain a

body of water operatively hermetically sealed therein and having a liquid vaporizing portion and a vapor condensing portion, said vapor condensing portion comprising an inlet feed box longitudinally disposed exteriorly thereto and a plurality of water tubes passing through said vapor condensing portion and communicating said feed box with said second compartment, said second compartment being adapted to contain a body of water and having a liquid vaporizing portion and a vapor separating portion, said third compartment comprising a vapor condensing portion, means for communicating the vapor separating portion of said second compartment with the vapor condensing portion of said third compart-

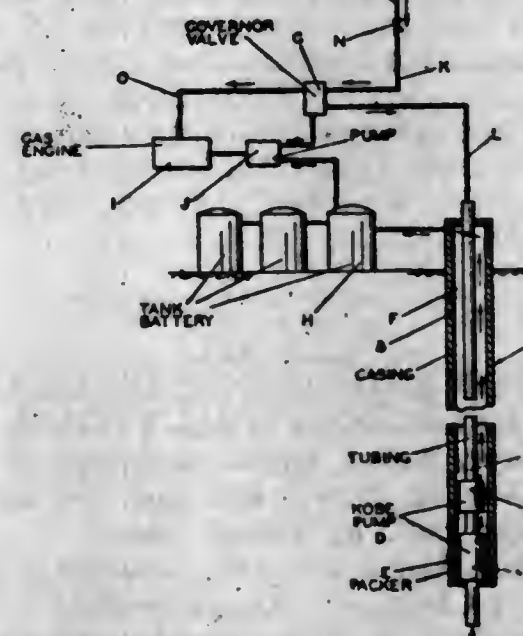


ment, heater means within said first compartment for heating and vaporizing liquid therein, means for conveying feed liquid in preheat heat interchanging relationship successively with vapor in the vapor condensing portion of said third compartment and the vapor condensing portion of said first compartment and then into said second compartment whereby said vapors in both said third and said first compartments are condensed while progressively preheating and vaporizing said feed liquid, means for maintaining a pressure differential between said second compartment and said third compartment, and means for collecting for use condensate formed in the vapor condensing portion of said third compartment.

2,384,227

HYDRAULIC GOVERNOR VALVE

Walter L. Albert, Jr., Seminole, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 3, 1944, Serial No. 516,798
6 Claims. (Cl. 103-22)



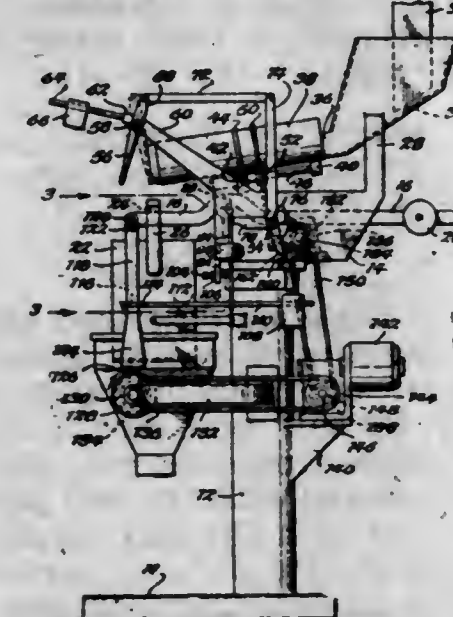
1. In the production of oil from an underground reservoir through a cased well bore, the

combination comprising a fluid motor having a pump attached thereto suspended from tubing within the cased well bore, a packer between the pump and the casing thus closing off the space between the casing and tubing at the bottom of the well bore and making a conduit to the surface of the ground, storage tanks connecting with the space between the casing and the tubing, a pump on the surface of the ground actuated by an engine pumping oil from the storage tanks into the tubing to actuate the fluid motor in the well bore, a governor valve in the line between the pump outlet on the surface of the ground and the tubing, a line supplying fuel to the engine also passing through said governor valve, each passage through the governor valve being controlled by a close off valve, and means within the governor valve which operates to close off the valve in the fuel flow line in the governor valve upon a decrease of pressure in the fluid flow line passing through the governor valve which in turn causes the engine to cease operation.

2,384,228

AUTOMATIC SCALE

Howard G. Allen, Niagara Falls, N. Y., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York
Application November 4, 1943, Serial No. 508,932
4 Claims. (Cl. 249-42)

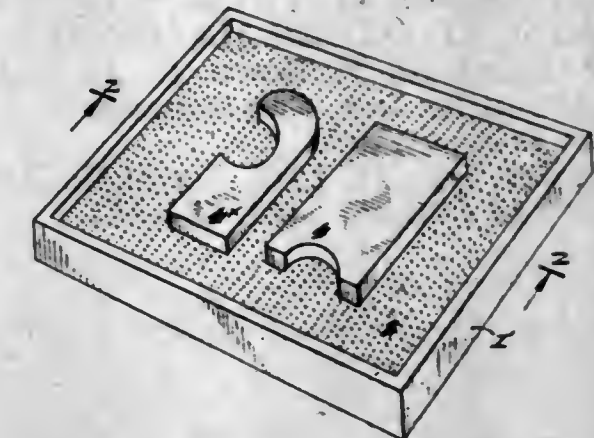


1. In an automatic weighing device, the combination of a main frame; means for supplying a stream of material to be weighed; a balancing beam mechanism including a weighing bucket movable downwardly upon the positioning in said bucket of a predetermined quantity of material; a gate associated with said supplying means and movable from an opened position in which said stream of material is permitted to flow to said weighing bucket to a closed position wherein said stream of material is cut off; means for moving said gate to opened position; means constantly urging said gate toward closed position; and latch means for holding said gate in opened position; latch release means comprising a wheel rotatable about an axis fixed with respect to said main frame and relative to which said balancing beam mechanism is movable, means for rotating said wheel, a lever freely depending from said balancing beam mechanism and movable downwardly with said bucket into direct frictional engagement with said wheel, said frictional engagement transmitting motion of said wheel to said lever to produce pivotal movement thereof relative to said balancing beam mechanism, and means carried by said main frame for transmitting the pivotal motion of said lever to said latch means to release the same and thereby to close said gate.

2,384,229

METHOD OF MAKING STAMPING DIES FOR ALUMINUM SHEET AND THE LIKE

Richard Ammann, Louisville, Ky., assignor to Reynolds Metals Co., Richmond, Va., a corporation of Delaware
Application July 17, 1943, Serial No. 495,129
2 Claims. (Cl. 76-107)

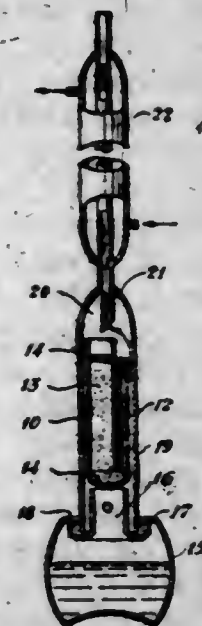


1. A method of making punching dies for aluminum sheet and the like which comprises: placing a punching die member upon a support resistant to molten metal and surrounded by an upwardly rising frame; pouring into the frame molten aluminum alloy in quantity sufficient to fill the frame to approximately the level of said punching die member; cooling the molten metal until it solidifies, and quenching the same to impart hardness thereto; finishing the face of the quenched metal to impart thereto a smooth surface thereby rendering it adaptable for use as a punching die in cooperation with first mentioned die member; and as a step in the method, removing from the quenched casting, the first mentioned die member.

2,384,230

EXTRACTION THIMBLE

Melvin E. Arnold, Charlestown, Ind., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 20, 1943, Serial No. 479,952
2 Claims. (Cl. 23-292)



1. An extraction apparatus comprising in combination a flask having a mouth portion, an extraction tube surmounting the flask and having a vapor chamber in its upper portion, a condensing tube in communication with the vapor chamber, an extraction thimble supported within the extraction tube with its upper portion in communication with the vapor chamber, said extraction thimble comprising a well to receive a sample of material to be extracted and open at the top to receive solvent from the vapor chamber, and a hollow side arm in communication at its lower end with the bottom of the well but

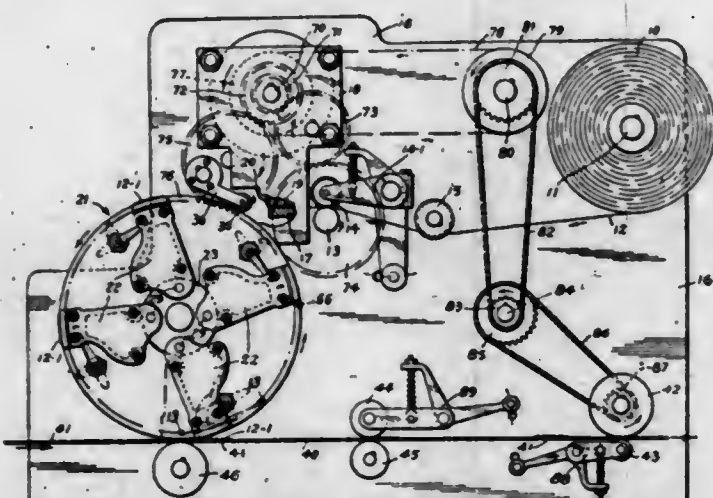
having a length less than the length of the thimble and open at the top to serve as a discharge for the solvent while maintaining a constant level of the solvent in the thimble throughout the extraction period.

2,384,231

APPARATUS FOR APPLYING SHEET MATERIAL TO OTHER MATERIALS

Arthur P. Bamford, Millburn, N. J., assignor to Arkell & Smiths, Inc., Canajoharie, N. Y., a corporation of New York

Application July 11, 1942, Serial No. 450,570
12 Claims. (Cl. 93-36)



1. In apparatus for applying individual sheets of material to base material, an applicator, comprising rotatable supporting means; a plurality of individual applicator arms articulatively secured to said supporting means circumferentially thereof and in mutually spaced relationship for rotation therewith; means normally maintaining said arms in given respective positions relative to one another and to the applicator as a whole, but permitting said arms to be respectively swung forwardly during the said sheet-applying operations; and means for retaining the respective applicator arms in forwardly swung position for a limited portion of the rotative path of travel thereof following the respective sheet-applying operations.

10. Apparatus for applying individual sheets of material to moving base material, comprising an applicator: means for feeding individual sheets of material to said applicator; means for moving the base material in operative relation to said applicator: said applicator comprising elongated axial supporting means; a plurality of applicator arms journaled upon said supporting means in mutually immediate serial relationship for rotation therearound; suction pads carried by respective applicator arms, said suction pads being elongated, respectively, lengthwise of said axial supporting means and mutually immediately aligned circumferentially thereof; means for exhausting air from said suction pads; and means for resiliency restraining said applicator arms in their respective movements in the direction of rotation of said supporting means during the stage of transit of delivery of the sheet material to the moving base material.

2,384,232

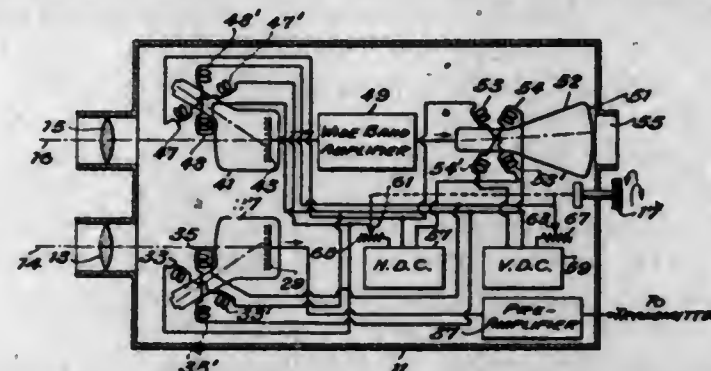
TELEVISION VIEW FINDER

George L. Beers, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 2, 1942, Serial No. 441,445
10 Claims. (Cl. 178-7.2)

1. A device of the class described comprising a camera tube having included therein a light sensitive target and a cathode ray source for

producing an electron beam to scan the target, optical means for directing the light of an image upon the camera tube target, a view finder observation screen, optical means to focus light representing the said image along a second light path, means to utilize the light directed along the second path to produce upon the view finder observation screen a view of greater boundary



limits than the image cast upon the camera tube and which larger image includes within its boundaries a substantial duplicate of that image focused upon the camera tube, and a control means for varying the defined image area viewed upon the said view finder observation screen and for simultaneously varying the boundary limits of the image scanned in the said camera tube.

2,384,233

MAGNIFYING GLASS HOLDER

Alfred H. C. Bishop, Cranston, R. I.
Application November 4, 1943, Serial No. 508,919

2 Claims. (Cl. 88-41)



1. A device of the class described comprising a rim, a lens therein, post means extending from said rim, a pair of mounting arms carried in spaced relation by said post means at a point a substantial distance from said rim, said arms being generally U-shape with the end portions generally parallel and with the mid portion attached to said post means, said parallel portions of each arm terminating in ends free from the other arm which extend a distance substantially below the center of said lens with respect to the point of attachment of said post means to said arms, both of said arms being resilient from the post means to their free ends for movement toward and from each other for receiving a lens between them.

2,384,234

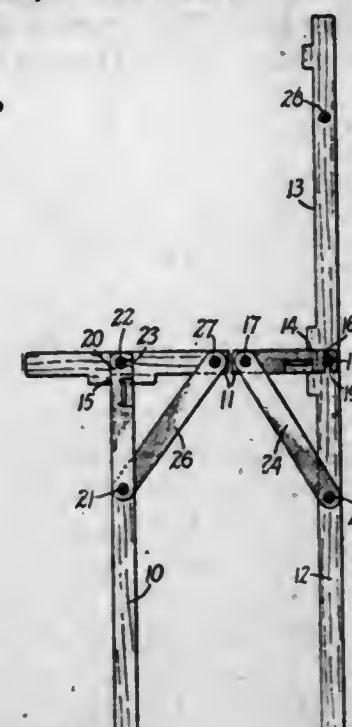
UTILITY FURNITURE PIECE

Robert P. Breese, New York, N. Y., assignor to General Bronze Corporation, Long Island City, N. Y., a corporation of New York

Application January 27, 1944, Serial No. 519,865
5 Claims. (Cl. 155-141)

1. A collapsible utility furniture piece including three elements, a pair of said elements being adapted to be extended into substantial parallelism and the third element being adapted to be extended to bridge said pair of elements, a socket on one of said pair of elements to receive an edge of the third mentioned element, a socket on the third mentioned element adapted to receive an edge of the other of said pair of elements, links pivotally connected between one of said pair of elements and the third mentioned element and between the other of said pair of elements and said third element, detachable tension latch connections between one of said pair of elements and

said third mentioned element and between the other of said pair of elements and the third mentioned element, whereby the three elements may



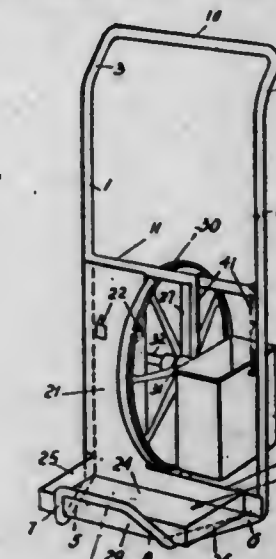
be held in extended condition and may be folded into substantial parallelism, said tension latches extending substantially perpendicular to said socket carrying elements.

2,384,235

REBRASS TRUCK

John W. Burnett, Chicago, Ill., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware

Application August 26, 1944, Serial No. 551,330
6 Claims. (Cl. 280-52)



1. In a re-brass truck adapted for transporting a jack, a wheel clamp, a pinch bar, extra journal bearings and cotton waste required for re-brassing operation, in combination, an endless tubular frame having parallel uprights sloped rearwardly at their upper ends and joined by a horizontal hand portion, and having inwardly-directed horizontal portions at their lower ends, said horizontal portions terminating in upwardly-inclined, inwardly directed portions joined by a horizontal loop portion, the said parallel uprights being braced substantially at their mid-point by a tubular cross-piece, a sheet metal structure comprising a wall panel and a base receptacle, the said base receptacle seated on the said inwardly-directed horizontal portions of the tubular frame with its rear wall secured at its ends to the said pair of uprights, the said wall panel disposed between the said rear receptacle wall and the said tubular cross-piece and extending a short distance from the left upright of the tubular frame, the said wall panel being secured along its upper edge to the said cross-piece and along its left edge to the said left upright, the said

578 O. G.-8

base receptacle being adapted to hold the said jack, pinch bar and extra journal bearings, the said wall panel being provided with clips to hold the said wheel clamp, a spindle horizontally secured to the said wall panel with a short length thereof extending beyond the right edge of the wall panel, a rubber tired wheel journaled by roller bearings on the said spindle extension, the diameter of the said wheel and the distance of the said spindle from the said lower portions of the tubular frame being such that the wheel is lifted off the ground in the upright position of the tubular frame resting on its said horizontal lower portions, the said wheel being adapted to contact the ground when the tubular frame is tilted rearwardly to lift its said lower portions off the ground, and a bucket adapted to hold the said cotton waste disposed between the said wheel and the right upright of the tubular frame and suspended from the said cross-piece of the tubular frame.

2,384,236

PRINTING INK

Clinton Arbie Carlton, Borger, Tex., assignor to J. M. Huber Corporation, Borger, Tex., a corporation of Delaware

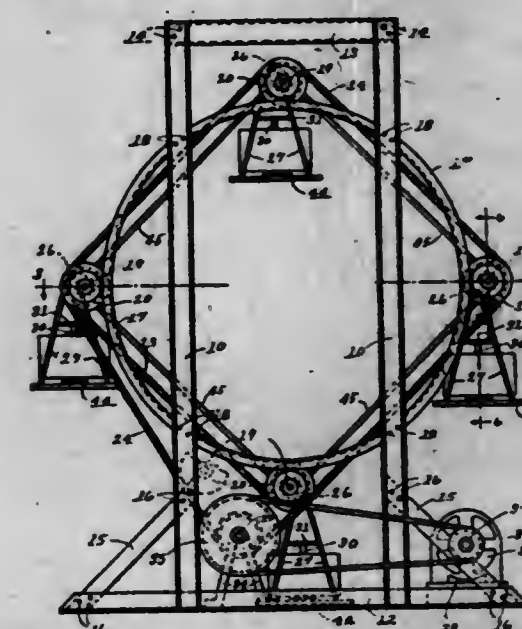
No Drawing. Application June 4, 1941,
Serial No. 396,529
3 Claims. (Cl. 106-32)

1. A printing ink comprising a news ink vehicle having incorporated therein ground compacted carbon black having an apparent density of not more than 14 pounds per cubic foot.

2,384,237

AMUSEMENT MACHINE

Daniel Richard Clark, Flint, Mich.
Application May 27, 1944, Serial No. 537,681
3 Claims. (Cl. 272-36)



1. In a machine of the class described, a vertically disposed frame having parallelly disposed spaced apart members, a circular vertically disposed track member secured to each frame member on its inner side, a plurality of spaced apart horizontally disposed shafts each having a roller rotatably secured at its outer end and adapted to travel on a circular track, each shaft having a pair of spaced apart fixedly secured and vertically disposed sprocket wheels, a plurality of stretchers each secured at its opposite end to a shaft, sprocket chains carried by each pair of sprocket wheels, a disc fixedly secured to each shaft, a shaft fixedly secured eccentrically between each proximate pair of discs, a carriage swingably suspended from each latter shaft, and means for driving the sprocket chains.

2,384,238

STABILIZED FURFURAL

Rock L. Comstock, Weeks, La., assignor to Bay Chemical Company, Inc., New Orleans, La., a corporation of Louisiana

No Drawing. Application August 9, 1943, Serial No. 498,000

6 Claims. (Cl. 260-347)

6. A stabilized furfural comprising normally unstable furfural containing a modicum of butyramid.

2,384,239

POLYMERIC MATERIAL OBTAINED BY POLYMERIZING A MIXTURE OF A CONJUGATED DIENE AND A CYCLIC IMIDE OF AN OLEFINIC DICARBOXYLIC ACID

George Lowrance Dorough, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 2, 1941, Serial No. 372,817

3 Claims. (Cl. 260-78)

1. A synthetic rubber-like polymeric material obtained by polymerizing, in aqueous emulsion, a mixture of about 98% to 50% of 2-chlorobutadiene-1,3 and about 2% to 50% of a N-substituted maleic imide.

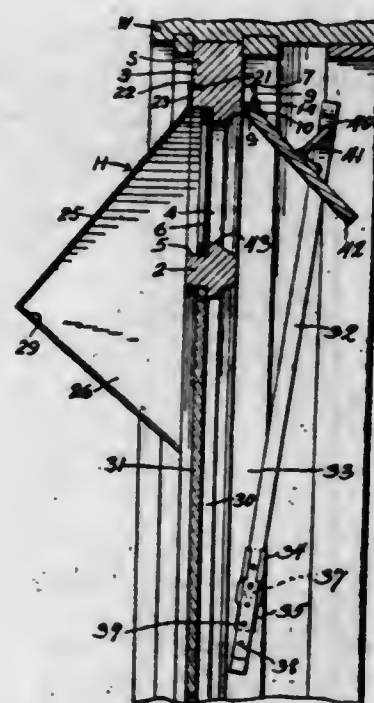
2,384,240

VENTILATING WINDOW SASH

Everett J. Dumav, Pentwater, Mich.

Application November 21, 1944, Serial No. 564,482

1 Claim. (Cl. 98-98)



In combination with a window frame and a sash within the frame having a ventilating opening; of a swinging shutter carried by the sash and coacting with the ventilating opening, an elongated operating member, means for slidably connecting said operating member with a vertical jamb of the window frame, a crank carried by an end portion of the shutter, a tubular bearing extending out from the operating member into which the crank extends to provide means whereby the shutter may be moved toward or from the ventilating opening of the sash upon endwise movement of the operating member, the means for engaging the operating member with the vertical side member of the frame comprising a plate, means for pivotally mounting the plate to the member of the frame, and a runway carried by said plate with which the operating member is slidably engaged.

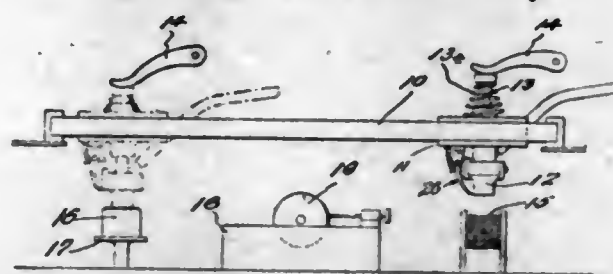
2,384,241

LABEL PASTING DEVICE

Frank Elsner, Hanover, Pa.

Application June 13, 1944, Serial No. 540,044

5 Claims. (Cl. 271-26)



5. In a label pasting mechanism of the character including a vertically movable and horizontally translatable suction head, a finger supported adjacent to the head and maintained at a permanent elevation during movement of the head and adapted to have oscillatory movement relative to the head, the finger having two positions, the finger when in one position having a portion in cooperating relation with a portion of the face of the suction head, and means controlled by the movement of the head relative thereto for effecting oscillation of the finger from the said one position to the other.

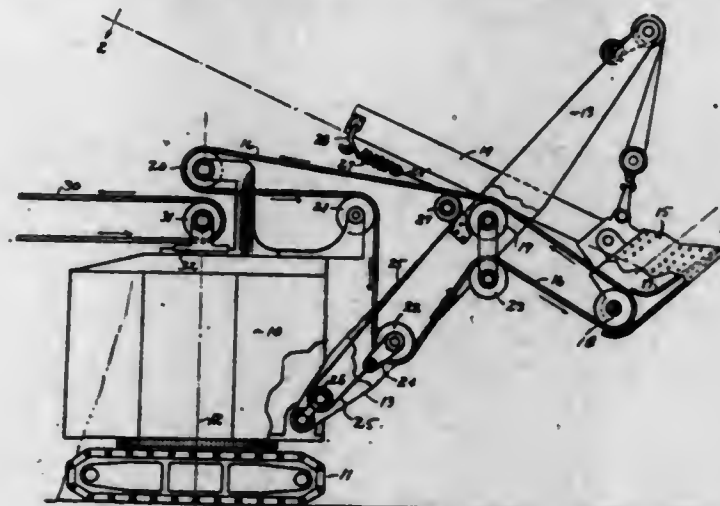
2,384,242

POWER SHOVEL AND CONVEYER

Guy O. Fitch, Columbiana, Ohio

Application March 20, 1944, Serial No. 527,295

3 Claims. (Cl. 214-90)



1. The combination with a power shovel having a cab mounted on ground engaging means and rotatable about a central vertical axis thereof, a boom and a stick carried on said boom and a dipper on said stick, of means for removing material from said dipper, said means consisting of a continuous conveyer, said continuous conveyer supported and driven by rollers on said shovel structure, and terminating near the said vertical center axis of said cab.

2,384,243

GUARD FOR EMERY WHEELS AND THE LIKE

Andrew Flohr and Alfred J. Flohr, Buffalo, N. Y.

Application February 16, 1944, Serial No. 522,598

7 Claims. (Cl. 51-269)

1. A protective guard for rotating tools, comprising a housing extending part way over the periphery and opposite sides of the tool, a movable guard wall mounted on said housing in overlying relation to one of the exposed sides of the tool, means for connecting said guard wall with the housing to permit a sliding-like displacement of the former relative to the latter in a plane par-

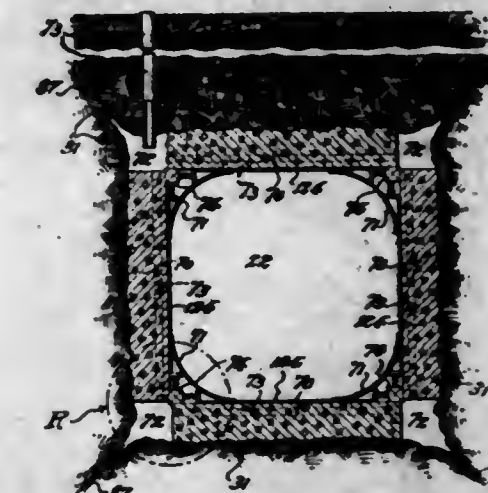
2,384,246

UNDERGROUND CONDUIT

Frazer W. Gay, Metuchen, N. J.

Application September 1, 1942, Serial No. 456,909

9 Claims. (Cl. 61-45)



1. In a conduit in the earth adapted to carry fluid at relatively high pressure comprising: a portion of said conduit having a plurality of flat sides, a mechanically strong structure built between each said flat side and the earth and having a relatively greater surface area at its outer earth contacting face, said structure supporting the fluid pressure in said conduit portion acting on the relatively small surface of said conduit flat sides at relatively high unit pressure and transmitting said pressure to a relatively large earth surface at relatively low unit pressure, and a drained crack along the intersecting edges of adjacent conduit flat sides of said conduit portion, whereby leakage from said high pressure fluid is drained away at relatively low pressure, and seals along said cracks to reduce fluid leakage from said conduit.

2,384,247

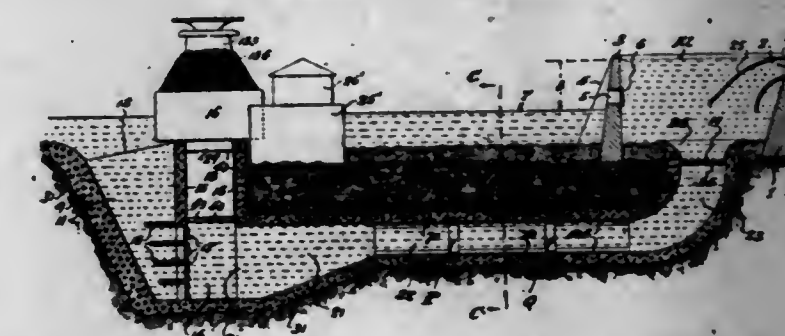
PISTON AND CYLINDER CONSTRUCTION

Frazer W. Gay, Metuchen, N. J.

Original application September 1, 1942, Serial No. 456,909. Divided and this application April 16,

1943, Serial No. 483,363

6 Claims. (Cl. 309-2)



1. An internal combustion engine cylinder located in the ground and comprising a plurality of flat cylinder sides, walls of masonry carrying the pressure on the sides of said cylinder to the earth, and a plug comprising the cylinder head, said cylinder head having a weight greater than the total gas pressure on said cylinder head.

2,384,248

OIL COOLING DEVICE

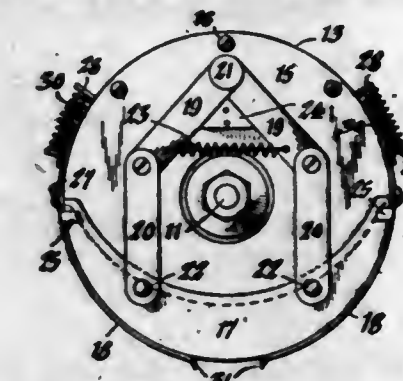
George Herbert Gill, Los Angeles, Calif., assignor to The Garrett Corporation, Aircraft Manufacturing Company division, Inglewood, Calif., a corporation of California

Application September 5, 1942, Serial No. 457,461

8 Claims. (Cl. 257-2)

8. In an oil cooling system for an internal combustion engine, the combination of: an oil cooler through which the oil may be circulated in

allel to that of the rotation of the tool, and a second guard wall adjustably mounted for cir-



cumferential movement on and constituting a continuation of the peripheral portion of said housing.

2,384,244

AUTOMATIC TELESCOPIC DRAFT HITCH

Harold R. Forney, Surprise, Nebr.

Application May 10, 1944, Serial No. 534,908

6 Claims. (Cl. 280-33.14)



1. In a draft hitch, a draft pole including telescopic inner and outer tubular sections for lengthening and shortening of the pole, clevises secured to said sections one on the front end portion of the inner section for coupling thereof to a towing vehicle and the other on the rear end portion of the outer section for coupling thereof to a trailer, means for limiting the sliding of one section in one direction relative to the other section and for arranging the rear ends of said sections flush with each other, a latch engaging said flush rear ends of the sections and cooperating with said slide limiting means in securing the sections against sliding movement relative to each other and arranging the pole in towing position, and an operating means on the front portion of the inner section for said latch to disengage the latter from said flush rear ends of the sections whereby one section may be slid relative to the other section for lengthening the pole for coupling purposes.

2,384,245

DRAFT HITCH

Harold R. Forney, Surprise, Nebr.

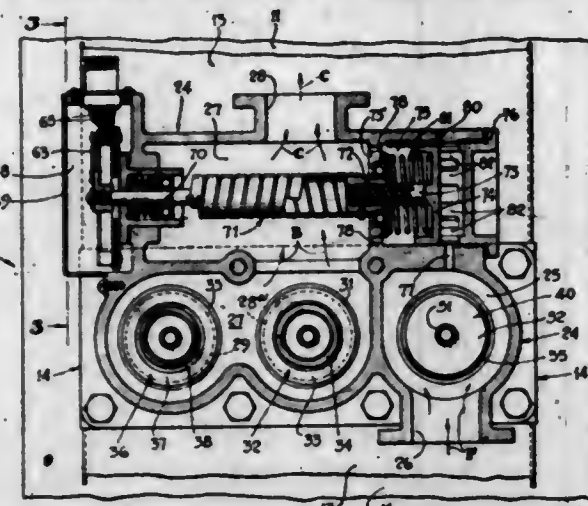
Application June 7, 1944, Serial No. 539,119

3 Claims. (Cl. 280-33.14)



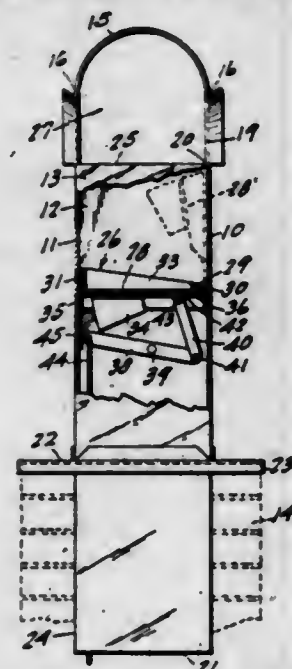
1. A draft hitch of the character set forth, comprising a longitudinally extensible bar including telescopically fitted and longitudinally adjustable male and female members, clevises on the rear end portion of the female member and the front end portion of the male member, said members having transverse openings therein for registry when the bar is in unextended position, and a spring pressed pin mounted externally on the female member and engageable in the transverse openings of both members for releasably locking the bar in unextended position, said female member being slotted longitudinally and the male member having a lateral lug on its inner end riding in the slot of the female member and limiting the innermost and outermost positions of the male member in said female member.

heat exchange relation to a cooling fluid passed therethrough; means for varying the rate of flow of said cooling fluid through the cooler; a thermostat responsive to oil temperature at a selected point in the system; means controlled by movement of the live end of said thermostat for operating said flow varying means; and means for normally holding the other end of said thermo-



stat in a fixed position, said last means including means responsive to a pressure drop across the cooler in a predetermined amount for moving said other end of the thermostat and thereby moving the thermostat so as to override the thermo-responsive action thereof and operate said flow varying means so as to reduce the cooling capacity of the cooler.

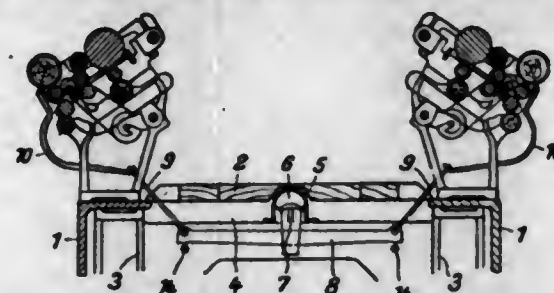
2,384,249
CHIMNEY DAMPER FOR OPEN FIREPLACES
August S. Greth, Oakland, Calif.
Application March 21, 1944, Serial No. 527,429
9 Claims. (Cl. 98—85)



1. In combination with a flue, a damper located within said flue and pivoted at one end through the side walls of the flue and having a curl formed upwardly for said pivot at said one end and flanged up at the other end and both sides to form a receptacle for moisture entering the top of the flue and having a single outlet to divert all collected moisture to one corner of the flue to maintain the major portion of the inside of the flue dry.

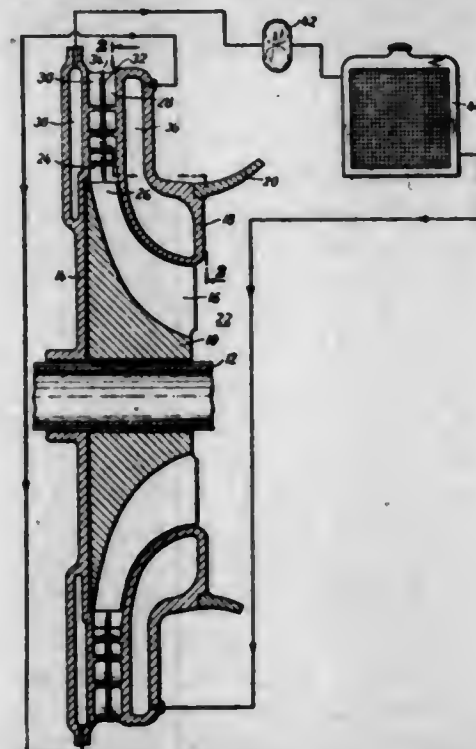
2,384,250
WEIGHTING DEVICE
Jacob Häfeli, Uster, Switzerland, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie., Winterthur, Switzerland
Application August 10, 1942, Serial No. 454,315
In Germany August 1, 1941
2 Claims. (Cl. 19—135)
1. A device for weighting the press rollers of draw frames in spinning machines on both sides

thereof, comprising a U-shaped section iron disposed under the machine cover between the draw frames on both machine sides, a hose sealed at



both ends and arranged in the cavity of said section iron for the reception of a pressure medium, and means connecting said hose with the press rollers of a draw frame.

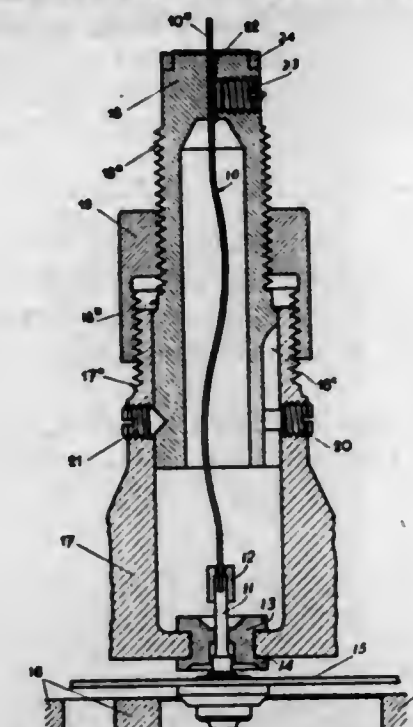
2,384,251
LIQUID COOLED SUPERCHARGER
Henry C. Hill, Montclair, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application January 14, 1943, Serial No. 472,424
3 Claims. (Cl. 230—209)



1. In a fluid compressor, an annular diffuser chamber receiving the compressor output and having axially-spaced walls, each of said spaced walls comprising one wall of a liquid coolant jacket, a first set of diffuser vanes integral with and extending inwardly into said annular chamber from one of said opposed axially-spaced walls, a second set of diffuser vanes integral with and extending inwardly into said annular chamber from the other of said opposed axially spaced walls, and an annular member disposed between the inner edges of said two sets of diffuser vanes, at least one of said sets of diffuser vanes having flange means for supporting said annular member.

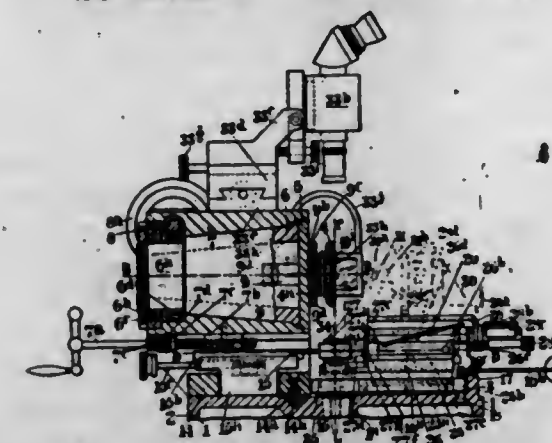
2,384,252
SPRING ARRANGEMENT FOR TIME FUSES
Guido Hönger, Geneva, Switzerland, assignor to Mefina S. A., Binningen, Switzerland, a corporation of Switzerland
Application July 2, 1941, Serial No. 400,841
In Switzerland August 26, 1940
3 Claims. (Cl. 102—84)
1. In a clockwork time fuse for projectiles, a balance wheel mechanism comprising a bearing, a balance wheel oscillatable in said bearing, a torsion spring connected at one end to said balance wheel at the axis thereof, and a holding member mounted in the fuse opposite said balance wheel and to which member the other end of said torsion

spring is connected, said torsion spring consisting of a longitudinal wire having its mass lying substantially in the axis of torsion and having a



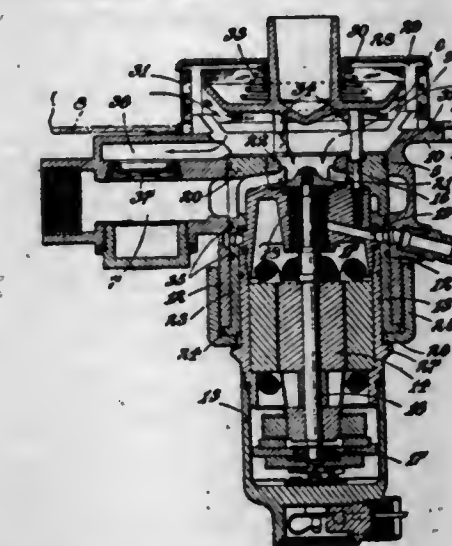
configuration providing predetermined limited longitudinal resilience greater than that of the wire itself.

2,384,253
CUTTING, GRINDING, OR POLISHING MACHINE FOR DIAMONDS OR OTHER STONES AND THE LIKE
Frederick Charles Jearum, Sutton, England
Application May 27, 1943, Serial No. 488,783
In Great Britain May 19, 1942
20 Claims. (Cl. 51—120)



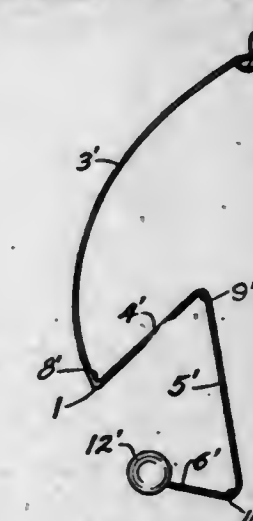
1. A machine for cutting, grinding, lapping or polishing diamonds or other stones for industrial tool work or for the jewellery trade, comprising: a machine stand; a rotary cutting disc mounted on the machine stand; a radial arm having at one end a pivotal spindle mounting on said stand with the pivotal axis arranged to afford said radial arm oscillatory arcuate movement in a plane normal to the cutting plane; a longitudinal slideway on said radial arm; a slider on said slideway; dop mounting means on said slider for holding the stone to be cut, the arrangement being such that the dop is capable of oscillation in an arcuate path about the pivotal axis of the radial arm with the stone in contact with the cutting disc; and modifying means for the arcuate path of the dop mounting means consisting of a former supported on the radial arm adjacent the pivotal axis thereof and connected to said slider; and an abutment member mounted on the machine stand adjacent to and for engagement by the former, the arrangement being such that oscillation of the radial arm rotates the former about the said pivotal axis and against the abutment member whereby the slider is displaced along said slideway of the radial arm to modify the arcuate path of the dop mounting means during said oscillation and afford cutting contact loci for the stone at the cutting disc as determined by said modifying means.

2,384,254
MOTOR-DRIVEN CENTRIFUGAL PUMP FOR LIQUID
George Charles Meredew, London, England, assignor to Self-Priming Pump & Engineering Co. Limited, London, England, a British company
Application June 17, 1943, Serial No. 491,183
In Great Britain April 20, 1942
2 Claims. (Cl. 103—87)



1. A motor-driven centrifugal pump for liquid comprising a base casting providing a hollow trunk portion and inlet and outlet flow conduits for the liquid, a motor impeller unit removably received in the hollow trunk portion of the base casting and including a driving motor, a housing therefor, a direct-coupled pump impeller, and an impeller chamber formed on a block secured by bolts to the impeller end of the motor housing, a valve mounted in the base casting and guided for movement in alignment with the motor-impeller unit, spring means tending to move the valve in the direction of withdrawal of the motor unit and against a seating to close the inlet conduit of the base casting against entry of liquid, and an abutment formed by an extension of at least one of the bolts by which the aforesaid block is secured to the motor housing and located to engage the valve and move it to the open position on insertion of the unit, and on withdrawal of the unit to release the valve for return movement under its control spring.

2,384,255
PANTS GUARD
George C. Moore, Sr., Glendale, Calif.
Application March 20, 1944, Serial No. 527,197
4 Claims. (Cl. 24—72)



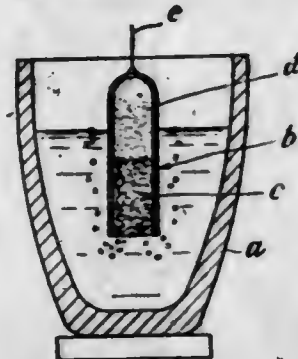
1. A pants-fold-holding device comprising an elongated spring wire having a plurality of short arms and a long arm, the long arm having a curve to cling to the calf of a person's leg and to engage a length of the inner side of a trouser leg extending from the selvage thereof, one of the short arms next to the long arm having a curve to engage the lower shank of a person's leg, the

next short arm below the girth arm having a straight portion to act as a fulcrum rod, and the final and terminal short arm providing a lever arm, the distal end of the lever arm being adapted to be forced beneath the selvege of the trouser leg and held thereby when the device is installed.

2,384,256

REFINING OF COPPER BASE ALLOYS

Alfred John Murphy, Petts Wood, and Geoffrey Thomas Callis, Pinner, England, assignors to J. Stone & Company Limited, Deptford, England, a British joint-stock company
Application June 17, 1943, Serial No. 491,196
In Great Britain May 26, 1942
1 Claim. (Cl. 75-76)

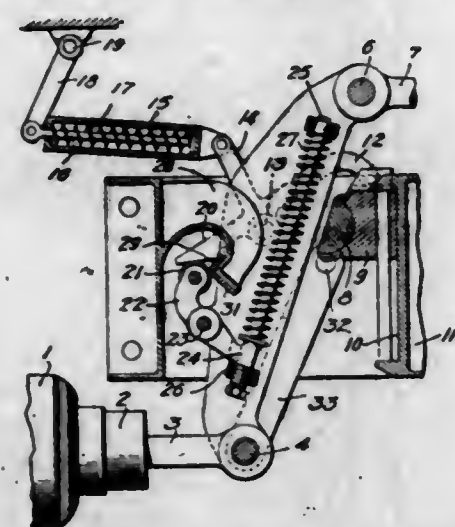


Refinement of a copper base alloy comprising the submergence in a molten mass of such alloy of a refractory container open at one end and holding a charge of stannous chloride, the said open end being fitted with a porous closure and presented downwardly within the molten mass and the rate of generation of chloride vapour being controlled by varying the depth of submergence of the said open end.

2,384,257

VEHICLE BRAKE

Ragnar Hjalmar Nilsson, Malmo, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden, a corporation of Sweden
Application March 9, 1943, Serial No. 478,534
In Sweden February 27, 1942
6 Claims. (Cl. 188-198)



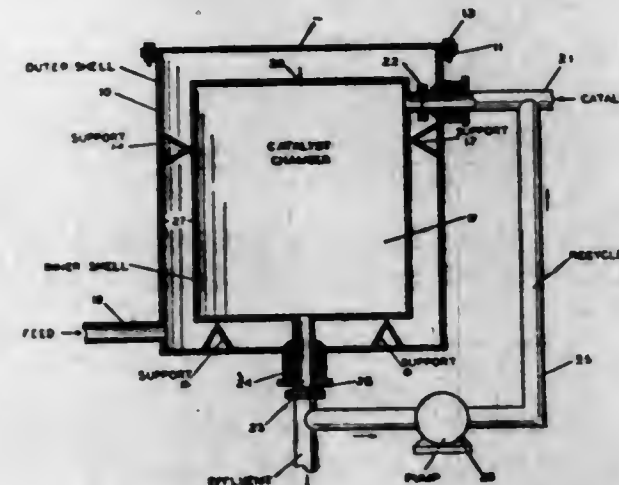
1. Brake mechanism for a wheeled vehicle, comprising a brake lever for transmitting brake power from a source of such power to brake shoes for coaction with the wheels of the vehicle, means providing a provisional fulcrum for said brake lever during movement thereof for moving the brake shoes into and out of contact with the wheels at application and release of the brake, respectively, means providing a final fulcrum, other than said provisional fulcrum, for said brake lever during movement thereof for pressing the brake shoes against the wheels when in contact therewith during a braking operation, said means providing the provisional fulcrum comprising a support and means including a roller

movably mounted on said brake lever and a guide for said roller mounted on said support, means for maintaining said roller and guide in engagement with each other during a portion of the movement of said brake lever, and means for effecting engagement of said brake lever and final fulcrum upon disengagement of said roller and guide.

2,384,258

CATALYST CHAMBER

George G. Oberfell, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application April 1, 1943, Serial No. 481,503
1 Claim. (Cl. 23-285)



In apparatus of the character described, the combination comprising an outer chamber including a removable top wall, an inner chamber within the outer chamber, means wholly within the outer chamber for maintaining the inner chamber in predetermined spaced relation to the outer chamber, an inlet conduit for transmitting fluid material from the exterior of the outer chamber directly into the upper portion of the inner chamber, a discharge conduit establishing communication between the lower portion of the inner chamber and the exterior of the outer chamber, fluid inlet means in the inner chamber, a conduit independent of the aforesaid conduits for transmitting fluid from the exterior of the outer chamber into the space between the chambers, fluid so transmitted into the space being admitted into the inner chamber through said inlet means, and means including a conduit and a pump for conveying fluid material from the discharge conduit to the inlet conduit.

2,384,259

VIEWING DEVICE

Edwin Jay Quinby, Key West, Fla., assignor to Radio Corporation of America, a corporation of Delaware
Application July 9, 1942, Serial No. 450,251
2 Claims. (Cl. 88-1)

1. A hand-held viewing device for color television image production and observation comprising a handle support member, a housing element having a pair of viewing apertures spaced from each other at substantially interpupillary separation, said housing element being supported by the handle, a color filter unit having at least a pair of series of color filter areas with each series including a filter element of each component-primary color of the image to be viewed, said color filter unit being so located within the housing that like color filter areas are aligned with each of the viewing apertures simultaneously and viewed there-through, a drive motor means supported from the handle for driving the color filter unit

and bringing like color filter areas successively into registry with the viewing apertures, a phasing switch unit located within the handle element to control the said motor and thereby align like component-primary color filter areas substantially instantaneously with the viewing apertures

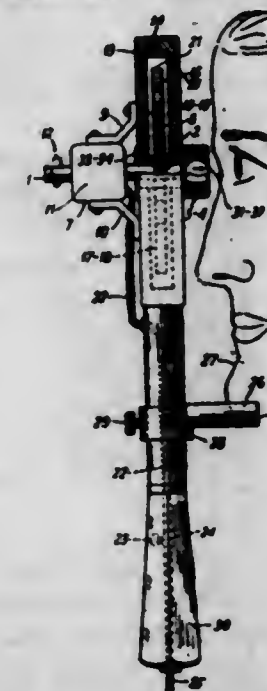


to synchronize filter rotation drive with the image production on an area to be viewed and a head-rest element supported on the housing and adapted for resting against the forehead of an observer so as to locate the apertures at predetermined distances from the eyes of the observer.

2,384,260

TELEVISION APPARATUS

Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Original application November 27, 1941, Serial No. 420,629. Divided and this application September 21, 1944, Serial No. 555,107
7 Claims. (Cl. 88-1)



3. A hand-held viewing device for color television image production and observation comprising a handle support member, a housing element having a pair of viewing apertures spaced from each other at substantially interpupillary separation, said housing element being supported by the handle, a rotary color filter disk having at least a pair of series of sectorially shaped color filter areas with each series including a filter element of each component-primary color of the image to be viewed, said color filter disk being so located within the housing that like color filter areas are aligned with each of the viewing aper-

tures simultaneously and viewed therethrough, a drive motor means supported from the handle for rotating the color filter unit and bringing like color filter elements successively into registry with the viewing apertures and a phasing switch unit located within the handle element to control the said motor and thereby align like component-primary color filter areas substantially instantaneously with the viewing apertures to phase filter rotation drive with the image production on an area to be viewed.

2,384,261

PROCESS FOR THE HEAT-TREATMENT OF METALS

Alfred Gordon Evans Robiette and Peter Francis Hancock, Erdington, England
No Drawing. Application July 8, 1942, Serial No. 450,204. In Great Britain June 11, 1941
9 Claims. (Cl. 148-21.7)

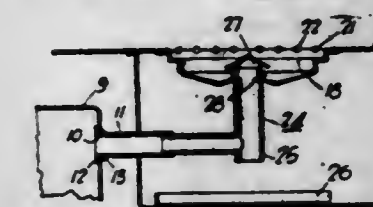
1. A process for producing a steel-like product from white cast iron containing over 2% carbon which comprises decarburizing said cast iron at a temperature of at least about 1000° C. but below the melting point for a period of time sufficient to produce a carbon content gradient which increases from the surface toward the core and to reduce the carbon content at the core, and thereafter heating the decarburized product having said carbon content gradient in a carburizing medium until substantially the same carbon content is obtained at the surface as at the core of said decarburized product, whereby a steel-like product is obtained having a lower carbon content than the original cast iron treated.

5. A process for treating white cast iron containing about 10% to 19% manganese and having a microstructure containing austenite and carbide which comprises decarburizing said white cast iron at a temperature below the melting point for a period of time sufficient to produce a carbon content gradient which increases toward the core, and thereafter carburizing the decarburized product having said carbon content gradient for a period of time sufficient to produce a substantially austenitic structure throughout the mass of the product.

2,384,262

HEATING APPARATUS

Earl F. Rutan, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 18, 1941, Serial No. 415,505
1 Claim. (Cl. 126-21)



A range comprising a body having a platform, said platform having an opening therein, a heat generating unit for heating a vessel or the like placed thereon, said unit being mounted in said platform opening with its upper surface substantially flush with the upper surface of said platform, a drip pan individual to said heat generating unit and disposed immediately beneath said drip pan in spaced relation thereto, an oven in said range body, and a conduit communicating with the interior of said oven and with the space between said drip pan and said heat generating unit for conveying vapors or the like from said oven into

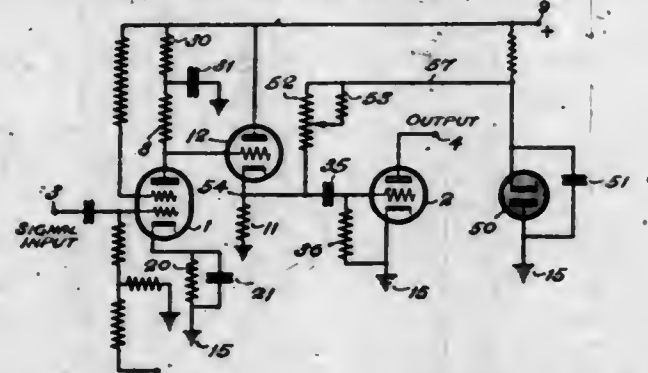
said space, a portion of said conduit being disposed between said crumb tray and said drip pan and having a drain opening above said crumb tray for discharging condensates formed in an adjacent portion of the conduit onto the crumb tray.

2,384,263

VIDEO AMPLIFIER

Kurt Schlesinger, West Lafayette, Ind., assignor to Radio Corporation of America, a corporation of Delaware

Application May 7, 1943, Serial No. 485,981
14 Claims. (Cl. 179-171)



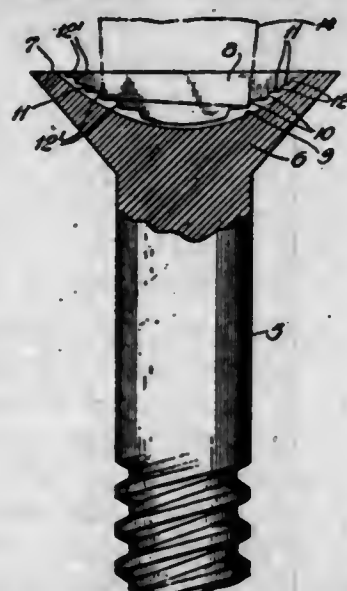
2. An amplifier circuit including a signal input amplifier tube and a signal output amplifier tube, an electronic coupling tube having at least a cathode, a control electrode and an anode, means to supply the output energy from the signal input amplifier to the control electrode to the said coupling tube, a cathode load resistor connected with said coupling tube, means to supply energy to the input circuit of said signal output amplifier in accordance with the energy output of the said coupling tube as it appears across the said cathode resistor, a voltage source adapted to develop output energy of substantially the same magnitude as the voltage drop produced through the cathode load resistor of the coupling tube, a variable resistor connecting the said voltage source to said cathode resistor at a point adjacent its connection with the cathode of the coupling tube so that signal output may be noiselessly controlled by adjustment of said resistor, and means for applying the output energy of said coupling tube to the input of the signal output tube.

2,384,264

SLOTTED SCREW

Ernest Schlueter, Hollis, N. Y.

Application December 16, 1943, Serial No. 514,433
9 Claims. (Cl. 85-45)

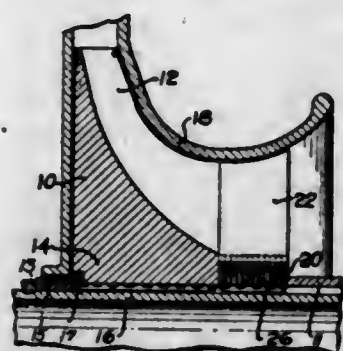


1. A screw comprising a head having a transverse slot; said slot having a substantially longitudinally concaved bottom having concaved deeper grooves at the side margins respectively; the intramarginal part between the grooves being raised relative to the grooves and serrated.

2,384,265
CENTRIFUGAL COMPRESSOR ENTRY VANE CONSTRUCTION

Ferdinand P. Sollinger, Paterson, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York

Application January 11, 1944, Serial No. 517,881
3 Claims. (Cl. 230-134)



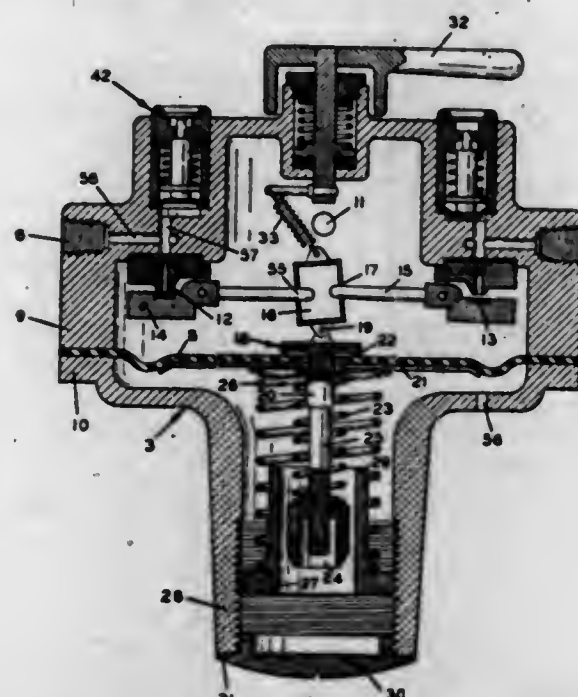
1. A fluid blower comprising a rotatable hub having a plurality of vanes extending therefrom, said hub comprising a plurality of co-axial sheet-like discs stacked together and each having a similar plurality of undercut slots about its periphery, the relative disposition of the slots in adjacent discs being such that said slots define a plurality of undercut channels along said hub and within which said vanes are interlockingly received.

2,384,266

GAS DISPENSING SYSTEM

Theodore A. St. Clair, Pontiac, Mich., assignor to Phillips Petroleum Company, a corporation of Delaware

Application April 6, 1942, Serial No. 437,892
4 Claims. (Cl. 50-10)



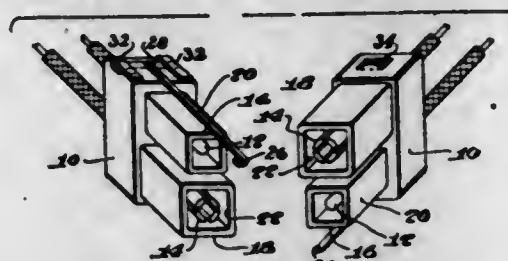
1. A valve of the type disclosed comprising a housing closed by a diaphragm to form a pressure chamber, spring means acting on the diaphragm to oppose the pressure in said chamber, a pair of fluid supply nozzles having ports opening into said chamber, a pair of valves for controlling the escape of fluid into said chamber through said ports, a member pivotally connected to said diaphragm and to said valves respectively for moving them to and from said nozzles, and an operator including a spring connection to said member for biasing it to either side of the center of its pivotal connection to the diaphragm, whereby, when one of said valves is seated, the position of the other is controlled by said diaphragm and when, said other valve is in full open position, the position of the said first valve is controlled by said diaphragm.

2,384,267

ELECTRICAL CONNECTOR

Johan M. Andersen, Hopkinton, Mass.

Application April 25, 1942, Serial No. 440,502
2 Claims. (Cl. 173-328)



1. Electrical connecting means adapted for use as an "either end" connector, comprising: a pair of identical connecting elements, each of said connecting elements including a one-piece moulded insulating base, terminal means projecting from one face of said base, and spaced apart, rigid hollow male and female insulating sleeves moulded integrally with said base, each in surrounding relation to certain of said terminal means, the inner surface of the female sleeve of one of said connecting elements and the outer surface of the male sleeve of the other of said connecting elements being tapered to permit said female sleeve to telescope over and tightly engage the outer surface of the tapered male sleeve of said other connecting element and the male sleeve of said one connecting element to telescope in and tightly engage with the inner surface of the tapered female sleeve on said other connecting element, whereby to provide a substantially water-tight joint when said two connecting elements are connected together; and two unlike spaced locking members on each of said connecting elements cooperable to lock said connecting elements together and maintain said tapered sleeves in tight engagement, the locking member on said one connecting element being engaged with the non-corresponding locking member on said other connecting element.

2,384,268

CYANOMETADIOXANES

Erving Arundale, Colonia, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application January 1, 1942, Serial No. 425,381
8 Claims. (Cl. 260-338)

1. A process of reacting a mono-olefinic hydrocarbon, substituted by a radical of the group selected from the class consisting of cyano and cyano alkyl groups and containing only the elements carbon, hydrogen and nitrogen, with formaldehyde in the presence of a dilute acid catalyst, under conditions to obtain a nitrogen-substituted metadioxane.

2,384,269

QUICK CURING NEOPRENE CEMENT

Louis S. Bake, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 12, 1941, Serial No. 406,535
5 Claims. (Cl. 260-32)

1. A relatively rapid, low temperature curing polychloroprene composition comprising a mixture of uncured polychloroprene, from 0.1% to 35% of sulfur chloride, based on the weight of the polychloroprene, a volatilizable liquid of the class consisting of alcohols and ketones which contain less than six carbon atoms, and an inert volatile organic solvent.

2,384,270

COATING COMPOSITIONS AND PROCESS FOR PREPARING THEM

Ladislav Balassa, Flint, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 9, 1942, Serial No. 446,350

19 Claims. (Cl. 260-22)

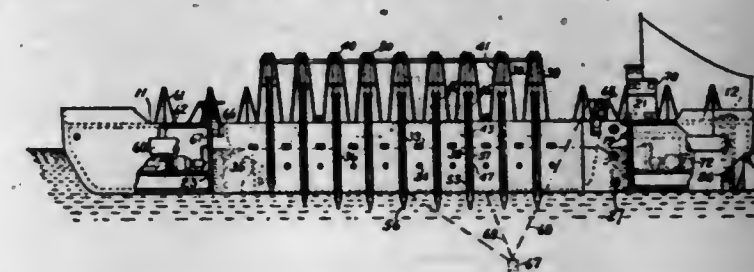
11. A coating composition comprising a water insoluble resinous vehicle, a pigment, from 2 to 10% of an oil acid, from 2 to 10% of a blown oil, the oil acid and blown oil being present in about equal parts, and from 8 to 40% of a compound having the formula $R-OH$ where R is selected from the group consisting of hydrogen and the lower alkyl groups having less than 3 carbon atoms, said percentages being based on the dry pigment.

2,384,271

SHIP SALVAGING BARGE

Salvatore Basile, Bloomfield, Conn.

Application November 1, 1943, Serial No. 508,533
7 Claims. (Cl. 114-49)



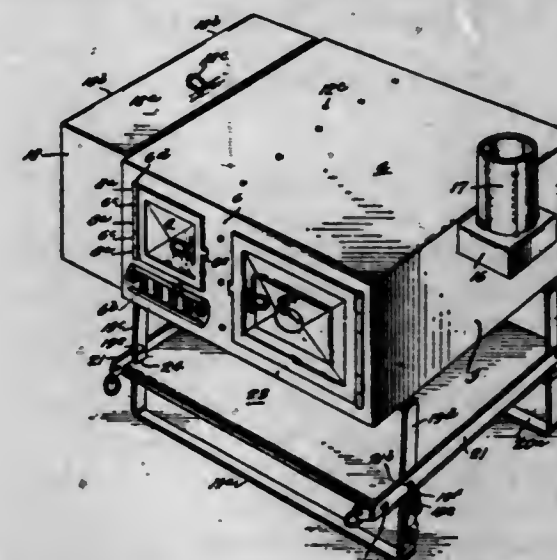
1. In combination in a salvaging barge having a well substantially at the center thereof of a capacity to receive a ship to be salvaged, a number of lifting devices located on opposite sides of said well, each of said devices comprising a supporting side member, an arm pivotally mounted on said supporting member, means for swinging said arm to engage the top of said ship, a bottom arm mounted on said device underneath said swinging arm, means for operating said bottom arm to engage underneath said ship, and means for raising said lifting device.

2,384,272

PORTABLE STOVE

William Edwards Baxter, Floyd County, Ind.; Bruce L. Baxter administrator of said William Edwards Baxter, deceased; said administrator assignor to himself individually

Application August 22, 1940, Serial No. 353,702
14 Claims. (Cl. 126-9)



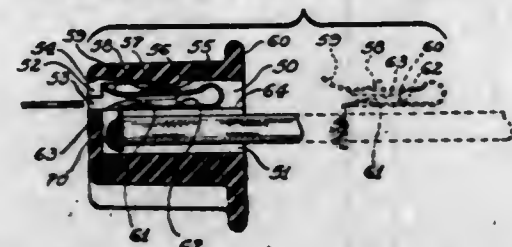
3. A portable stove comprising a rectangular outer casing having embodied therein a communicating fire box and oven compartment, a pair of rectangular frames each composed of comparative horizontal reaches and upright

reaches, a pair of reinforcement bars and a pair of connection bars, said frames and bars composed of flat metal, special means provided pivotally connecting said frames as front and rear frames in spaced relation to the bottom of said casing, said connection bars pivotally connected opposite each other to said upright reaches of the rear frame, each connection bar provided with two spaced relation slots in its forward extension, each upright reach of the front frame provided therein with an oppositely disposed slot and each said upright reach having an oppositely disposed interlocking spring member attached thereto to align with the interior slot in the said connection bar and the slot in the said upright reach provided to hold the frames aligned in a support position as pivotally connected to the bottom of said casing and depending therefrom, and in another position, the said interlocking spring member to align with the slot in the said upright reach and the posterior slot in the said connection bar to hold the frames as folded equally over the front and rear borders of the stove casing.

2,384,273

ELECTRICAL CONNECTION MEANS

Fay Beal, Bronson, Mich., assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan
Application August 9, 1939, Serial No. 289,091
3 Claims. (Cl. 173-328)



1. Electrical connection means including, a single piece mounting provided with an aperture, a two legged generally U-shaped receptacle insertable into said aperture, one wall of said aperture being provided with a pair of longitudinally spaced apart abutments projecting into the aperture and forming a recess therebetween, and one of the legs of said receptacle having a pair of yieldable portions engaging said abutments for detachably holding said receptacle in assembly with said mounting.

2,384,274

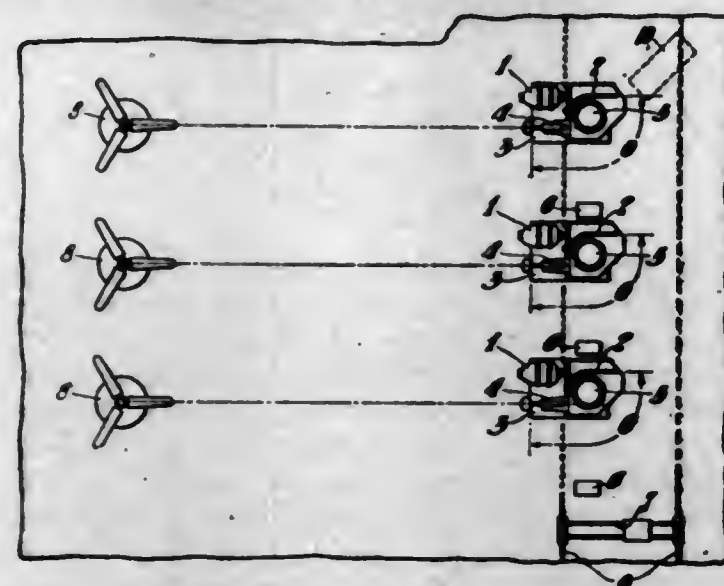
LICENSE PLATE HOLDER

Calvin Bean, Sykesville, Pa.
Application December 10, 1942, Serial No. 468,450
2 Claims. (Cl. 40-10)



1. A display holder comprising a pair of rectangular cover members joined around their outer periphery to form a flat pocket, each of said members being cut out to form a window, flexible transparent material placed beneath said windows and attached to said cover members, one of said cover members having a slit on one side of the flexible window for receiving a display card inserted therein to be visible through one of said windows, and a flexible flap of substantially the length of said slit disposed between said cover members and secured to the holder at the outer edge with its free end extending beneath the slit and toward the window to overlap the edge of the card insert a substantial distance.

2,384,275
WIRE DRAWING MACHINE
Bruce N. Bletso, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application May 31, 1943, Serial No. 489,217
1 Claim. (Cl. 205-16)

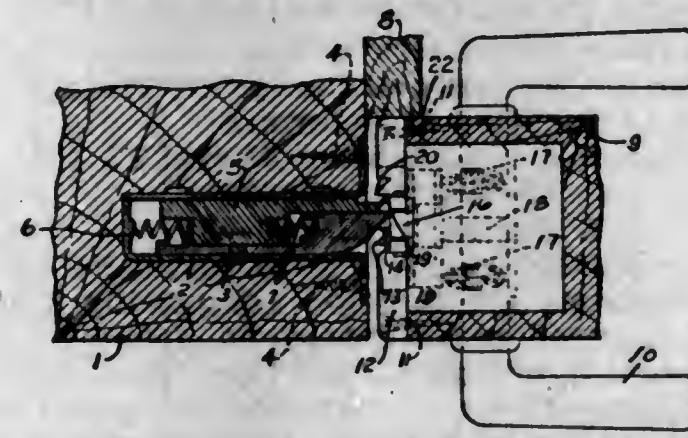


A wire drawing mill layout comprising a plurality of wire drawing machines of the type having a horizontal bench on top of which there is a vertical wire drawing block having a wire bundle guard and a die through which the wire is drawn by this block, and a motor for powering this block, each characterized by having the block motor and wire bundle guard on one side of the bench with the die box and unguarded block side on the opposite side of the bench in alignment with each other and this side of the bench so the operator can work on this side without interference by the motor and the guard, the latter being free from the block end of the bench and the operator's side of the bench so the operator can remove wire bundles without walking around the machine or crossing the stock feeding to the die box, the machines being arranged side-by-side in alignment with their block ends similarly arranged and with a wire pointer adjacent the operator's side of each machine and an overhead traveling bundle crane arranged to work transversely over the block ends of all the machines, the layout also including means for feeding stock to each machine from locations beyond their other ends from their block ends, and a bundle-buggy runway traversing closely beyond the block ends of all the machines, the machines being laterally spaced sufficiently to afford room for the operator of each machine.

2,384,276

MULTIPLE ENGAGEMENT LATCH

John R. Burbridge, Kenosha, Wis., assignor of one-half to Stanley D. Ellenberger, Kenosha, Wis.
Application September 27, 1943, Serial No. 504,010
11 Claims. (Cl. 292-254)



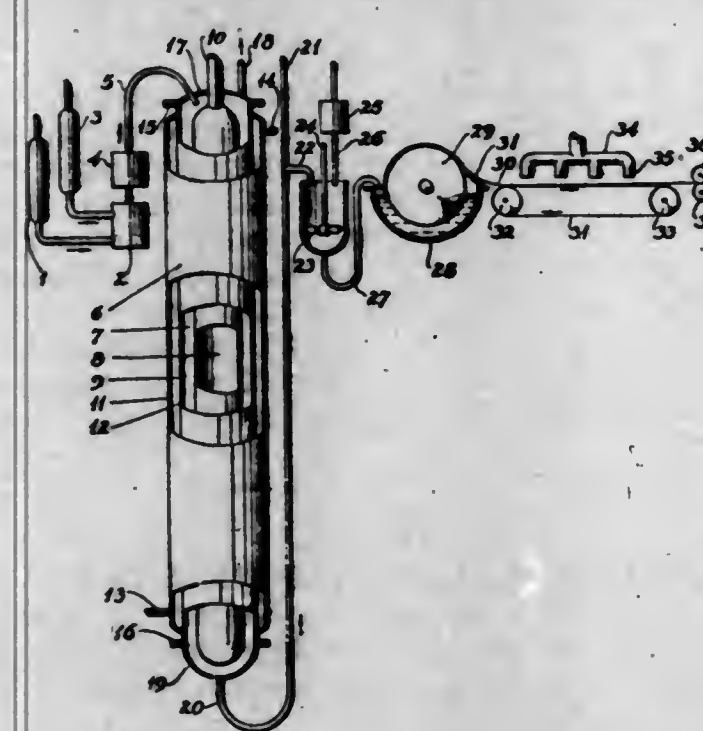
1. A latching arrangement for a closure movably mounted in a frame, comprising a pair of

pawls slidably mounted in the frame, a catch on the closure having a series of notches, a spring urging both pawls towards the catch, a second spring urging one pawl toward the catch independently of the first spring, the outer ends of the pawls being beveled so that both beveled ends of said pawls will enter a single notch, or one beveled end of one pawl will enter said notch while the second spring will cause the beveled end of the other pawl to enter an adjacent notch and hold the closure against movement, and means on the closure adapted when operated to force the beveled ends of the pawls out of said notches when it is desired to open said closure.

2,384,277

CONTINUOUS PROCESS FOR MAKING RUBBER-LIKE MATERIALS BY POLYMERIZING ELASTOGENIC POLYMERIZABLE MATERIALS

William S. Calcott, Woodstown, N. J., and Howard Warner Starkweather, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 9, 1939, Serial No. 308,387
6 Claims. (Cl. 18-47.5)



1. A process for making a rubber-like material without incorporation therein of an antioxidant which comprises performing continuously and in uninterrupted succession the following steps: emulsifying an elastogenic polymerizable material, polymerizing the emulsified material until a predetermined density is reached, coagulating the resulting dispersion of polymer, and washing and drying the coagulum.

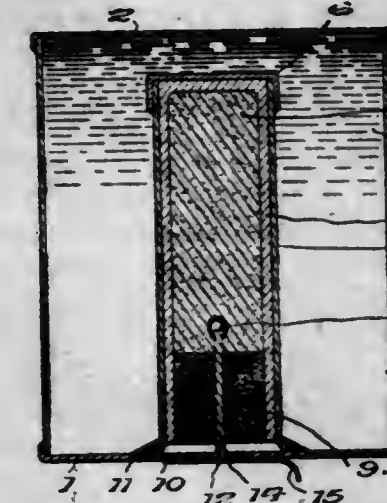
2,384,278

HEATER FOR CANNED FOODS AND BEVERAGES

Walter Anderson Caldwell, Seasmill, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application January 9, 1942, Serial No. 426,233
In Great Britain October 25, 1940
12 Claims. (Cl. 126-262)

1. A self heating foodstuff container including a compartment containing a comestible, a second compartment extending into said comestible compartment from one wall thereof, said comestible compartment being hermetically sealed, a heating charge disposed in the second compartment and comprising a composition of ingredients capable on ignition of undergoing chemical reaction with the generation of heat but substantially

without evolution of inflammable gas or vapor, said charge being compactly disposed within a portion of the said second-named compartment in direct conduction contact with the walls thereof, closure means disposed across the outer extremity of said second named compartment and comprising a permanently mounted, vented portion of said container unit for maintaining the contents of said second compartment in perma-

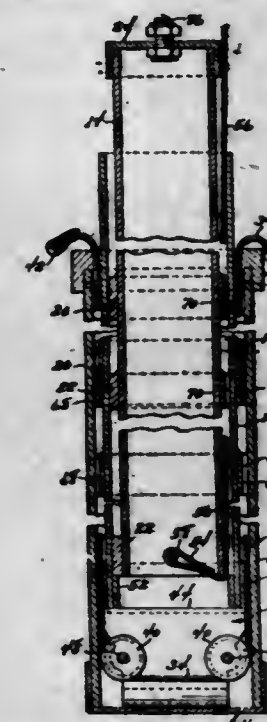


nent operative relationship, a smoke filter of heat resistant material disposed between said heating charge and the said closure means and being operative to filter out solid matter and suppress smoke liberation from the compartment and combustible ignition means extending through said filter and said closure means for igniting the composition from the exterior of the container.

2,384,279

EXTENSION POLE

Charles G. Calhoun, Pittsburgh, Pa.
Application September 27, 1943, Serial No. 503,992
3 Claims. (Cl. 189-26)



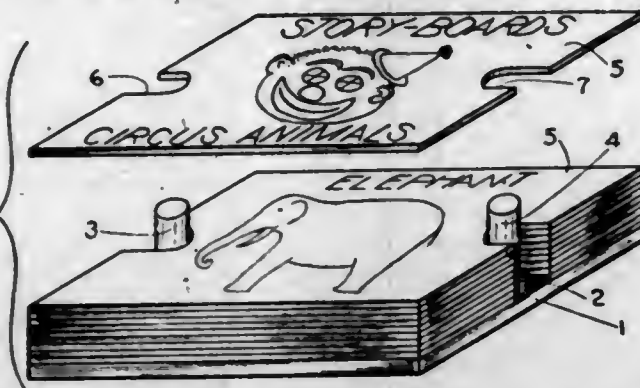
1. An extension pole of the type described comprising first, second and third telescopically related sections, said second tube being of smaller diameter than the first tube to provide a space therebetween and said third tube being of smaller diameter than said second tube to provide a space therebetween, a collar on said first tube having recesses, a cable looped inside said first tube and extending through said recesses, sheave means at the bottom end of the first tube for supporting said cable and constituting a support for the second section, a second collar on said second tube having a recess, a second cable secured to the lower end of said third tube and extending upwardly through the recess in said second collar, means on said second tube slidably engaging the first tube to guide the second tube, means on the third tube slidably engaging said second tube to

guide the third tube, said sheave means including two sheaves and a bracket supporting the sheaves, and a cap on the lower end of the first tube supporting the sheave means.

2,384,280

EDUCATIONAL TOY

Peter S. Cardozo, Washington, D. C.
Application August 8, 1944, Serial No. 548,552
3 Claims. (Cl. 35-29)

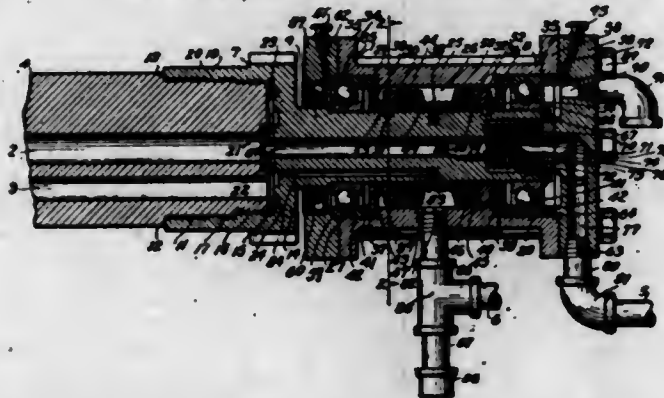


1. An educational toy comprising a rigid base member, two pegs affixed to said base member, said pegs being spaced and projecting vertically from opposite edges of one face of said base member and a plurality of stacked boards adapted to rest on said base member, each of said boards comprising a relatively thin sheet of substantially rigid material adapted to have matter printed thereon, notches formed in the opposite edges of said boards and adapted loosely to receive the said pegs whereby they are retained on said base members said pegs being of greater length than the combined thickness of said boards whereby said pegs may be grasped to lift the said toy.

2,384,281

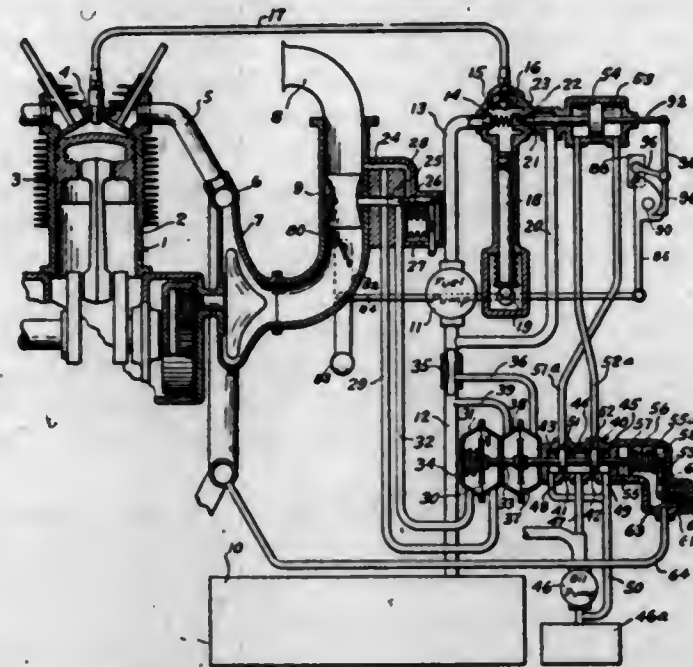
DOUBLE PORT ROTARY SEAL

Ray E. Carter, Tulsa, Okla., assignor to Unit Rig & Equipment Company, Tulsa, Okla., a partnership
Application May 8, 1944, Serial No. 534,579
16 Claims. (Cl. 285-10)



1. In an apparatus of the character described, a rotary member having a flow channel for a pressure medium, a stator member enclosing the rotary member and having an inlet for a pressure medium connected with the flow channel, a pair of sealing rings encircling the rotary member on each side of said connection between the flow channel and inlet, the sealing rings having contacting annular sealing faces to form a seal therebetween, packing elements having sealing contact with adjacent sealing rings of said pairs and with the rotary member, resilient means interposed between said packing elements to urge the packing elements into said sealing contact and to maintain the seal between the contacting faces of said sealing rings, means slidably anchoring the adjacent sealing rings of the respective pairs to the rotary member for rotation therewith, and means anchoring the other sealing rings of said pairs to the stator member.

2,384,282
FUEL INJECTOR CONTROL MECHANISM
Milton E. Chandler, New Britain, Conn., assignor to Chandler-Evans Corporation, a corporation of Delaware
Application July 22, 1942, Serial No. 451,873
8 Claims. (Cl. 123-140)



1. In a fuel injector control mechanism, an air conduit, controlling means responsive to variations in the quantity of air flowing through said conduit, hydraulic control mechanism controlled by said controlling means, fuel injector mechanism including an injector pump having a valve for varying the delivery of said pump, means controlled by said hydraulic control mechanism for adjusting said valve to vary the delivery of said pump as a function of air flow, a throttle controlling the air flow through said conduit, and means controlled by said throttle for automatically varying the delivery of said pump during idling.

2,384,283

SYMMETRICAL DISAZO DYESTUFFS

Karl F. Conrad and Louis F. Koberlein, Buffalo, N. Y., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

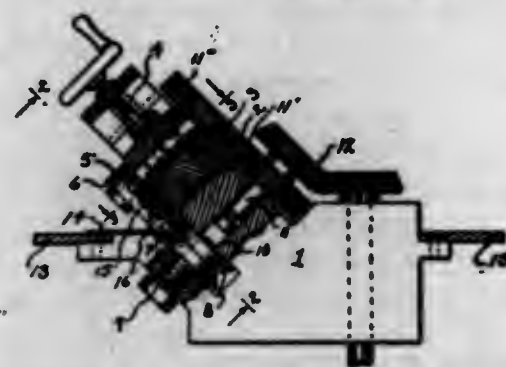
No Drawing. Application November 19, 1942, Serial No. 466,222
9 Claims. (Cl. 260-158)

1. A symmetrical disazo N,N'-diaryl urea type dyestuff having a pair of 2-(azo-aryl)-arylene-thiazole-disulfonate radicals linked through their azo groups to the aryl radicals of the N,N'-diaryl urea type radical, in which the aryl and arylene radicals are mononuclear.

2,384,284

ECCENTRIC DIE SHEET METAL FLANGING MACHINE

Harold V. Dettman, Riverside, Ill.
Application October 28, 1942, Serial No. 463,585
1 Claim. (Cl. 153-29)



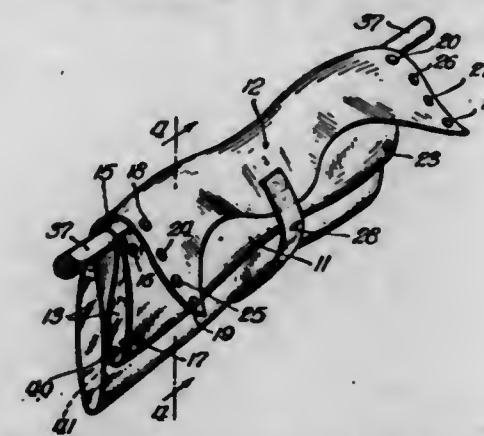
A sheet metal flange forming machine comprising a base frame, a horizontally disposed table

carried thereby, an angularly disposed post extending from the base frame above the table, the same being slotted at its upper end, a female guide wheel mounted in the post below said table, an idle driving gear having a shaft journaled in the post, a bearing block in slidable union with the slotted portion of said post, a threaded spindle carried by the post for raising and lowering the bearing block, a shaft journaled in the bearing block terminating with an eccentric at its front end, a gear secured to the eccentric shaft in mesh with the idle gear, when the bearing block is shifted downwardly to working position, a boot mounted upon the shaft eccentric and an elongated male die carried by the boot adapted to intermesh with the female die wheel when the bearing block is moved downwardly to its functioning position.

2,384,285

UTILITY BAG

Hans Deutsch, Chicago, Ill.
Application March 8, 1944, Serial No. 525,553
8 Claims. (Cl. 2-17)

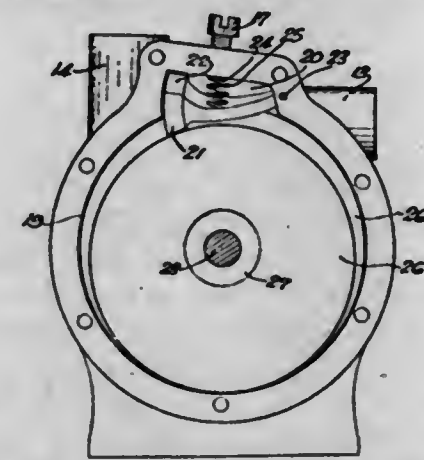


5. A utility bag for use as an auxiliary in connection with baby carriages and the like comprising a sheet member folded upon itself about the handle of a baby carriage and forming a pair of pockets depending therefrom for receiving and protecting the hands in manipulating said handle, fastening means for securing said pockets back to back in position on said handle, a cover flap formed by said sheet member at one end thereof and extending from said pockets, said cover flap acting in the manner of a windbreaker above the hands inserted in said pockets, and means for fastening said cover flap.

2,384,286

ROTARY PUMP

Dudley Russell Dowling, Graceville, near Brisbane, Queensland, Australia, assignor of one-third to Frederick Zina Eager and one-third to John Kelly, both of Brisbane, Queensland, Australia
Application December 12, 1942, Serial No. 468,745
In Australia May 14, 1942
2 Claims. (Cl. 103-124)



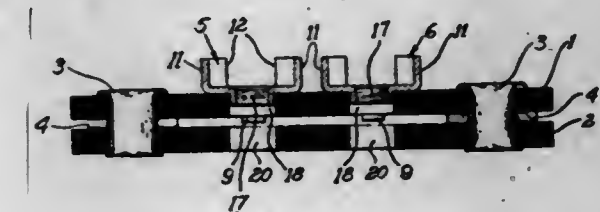
1. In a pump, in combination, a body having a cylindrical cavity and a gate chamber formed

therein, said gate chamber extending tangentially to said cavity, the entirety of said gate chamber being a part of said cavity and communicating directly therewith, an inlet formed in said body, an outlet formed in said body on the same side of the cylindrical cavity as said inlet, and on the opposite side of said gate chamber with respect to said inlet, a rotor eccentrically supported in said body to maintain a portion of the periphery thereof in sliding contact with the periphery of said body cavity, means constituting a gate located in said gate chamber in substantial alignment with said inlet, the inlet, the outlet, the gate chamber and the gate being located close to one another, said gate having an elongated stem and a portion extending transversely to said stem and having a substantially wide surface in sliding contact with a substantially wide surface of said gate chamber which extends transversely to the axis of said inlet and having another substantially wide surface sliding upon the periphery of said rotor, and a pivot mounted at said inlet on the side thereof away from the flow of outlet fluid in the pump and carrying the outer end of said stem.

2,384,287

JUNCTION BLOCK

Thomas W. Drury, Sturgis, Mich., assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan
Application August 24, 1942, Serial No. 455,825
1 Claim. (Cl. 173-324)

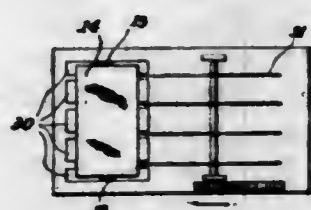


Means of the character described including, a first generally flat ply of insulating material and a second generally flat ply of insulating material corresponding substantially in size and shape to said first ply, corresponding spacer means disposed between said plies adjacent their extremities for spacing said plies, tubular means passing through said plies and through said spacer means with portions overlying the outer faces of said plies for permanently securing said spacer means and said plies together as a unit, a terminal receptacle disposed on said second ply, said receptacle having an enlarged central generally round cup shaped portion and a pair of diametrically disposed channel portions, said channel portions constituting continuations of the walls of the cup portion and extending outwardly with reference to the latter, said second ply being provided with a pair of apertures with a hole between said apertures, the extremities of said channel portions being provided with lugs projecting through said apertures and intumed toward each other against the lower surface of said second ply whereby to hold said receptacles thereto, the bottom wall of said cup portion being provided with a tubular portion projecting into said hole, said tubular portion being internally threaded for the reception of a screw whereby one or more conductors may be secured in the receptacle in a manner whereby the channel portions may limit the rotational movement of a conductor or conductors with respect to the receptacle, and an opening provided in said first ply of a size corresponding to the hole in said second ply disposed in axial alignment with said hole providing clearance for the inner extremity of said screw.

2,384,288

PROCESS OF WEAVING, TRANSPORTING, AND FINISHING CLOTH

Arnold Eddy, Middletown, Conn., assignor of one-half to Hilda W. Striker, New York, N. Y.
Original application June 10, 1943, Serial No. 490,253. Divided and this application July 14, 1944, Serial No. 544,965
4 Claims. (Cl. 28-72)

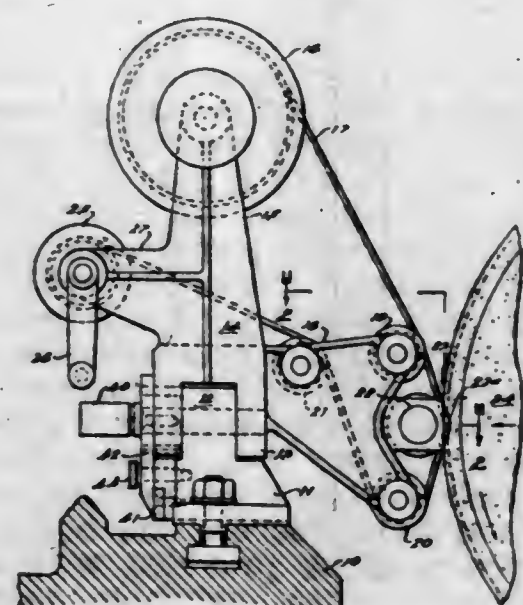


1. In the process of finishing cloth, the steps of winding up a wide cloth upon a flexible tubular member arranged on a cloth beam, removing after said winding said wide cloth wound upon said flexible tubular member in the shape of a wide cloth roll together with said flexible tubular member from said cloth beam, transporting said wide cloth roll wound upon said flexible tubular member to a cloth cutting machine, cutting said wide cloth roll together with said flexible tubular member upon which said wide cloth roll is wound up into several relatively narrow cloth ribbons, thereafter removing from said cloth cutting machine each of said cloth ribbons wound upon the corresponding portion of said flexible tubular member in the shape of a narrow cloth roll, and transporting said narrow cloth rolls consisting of narrow cloth ribbons together with said corresponding portions of said flexible tubular member upon which said narrow cloth rolls are wound up, wherever required.

2,384,289

FORM CRUSHING OF ABRASIVE WHEELS

George F. Eglinton, Detroit, Mich., assignor, by mesne assignments, to Lincoln Park Industries, Inc., Lincoln Park, Mich., a corporation of Michigan
Application November 3, 1943, Serial No. 508,785
7 Claims. (Cl. 125-11)

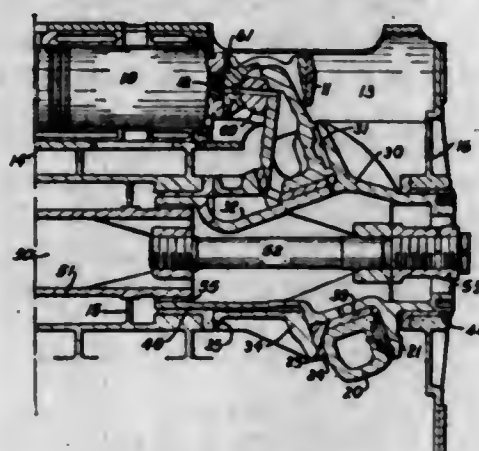


1. In the method of crush forming the working surface of a bonded abrasive form grinding wheel, the novel step of continually drawing a selected extruded wire form over the working surface of said wheel to effect the rotation thereof while exerting a controlled pressure thereon sufficient to embed said wire in said wheel but insufficient to cause its fracture.

2,384,290

MECHANISM FOR THE INTERCONVERSION OF RECIPROCATING AND ROTATION

Arne Feroy, New York, N. Y., assignor to Rogers Diesel and Aircraft Corporation, New York, N. Y., a corporation of New York
Application August 9, 1944, Serial No. 548,726
9 Claims. (Cl. 74-60)

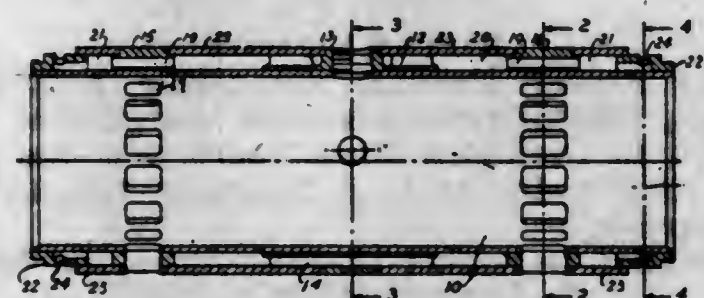


1. In an opposed-piston engine mechanism having a pair of starplate mechanisms and intermediate shaft means connecting them together; a starplate mechanism comprising reciprocating members parallel to the axis of rotation of said shaft means and each including a piston and a crosshead; a starplate, a mounting for said starplate including integral slant and shaft portions, and operable connections between the starplate and its reciprocating members; each of said connections including an arm on said starplate, a wristpin substantially tangent to a circle in the midplane of said starplate, a pair of wedges adjustably fixing said wristpin to said arm, means for locking said wedges, and a pinhead operably receiving said wristpin and operable in a bore in the crosshead of its reciprocating member, the axis of said bore being substantially radial to said shaft axis, the ends of said wristpin coacting with said crosshead to aid in controlling correctly the motion of said starplate.

2,384,291

ENGINE FRAME

Arne Feroy, New York, N. Y., assignor to Rogers Diesel and Aircraft Corporation, New York, N. Y., a corporation of New York
Application September 4, 1944, Serial No. 552,600
2 Claims. (Cl. 123-173)



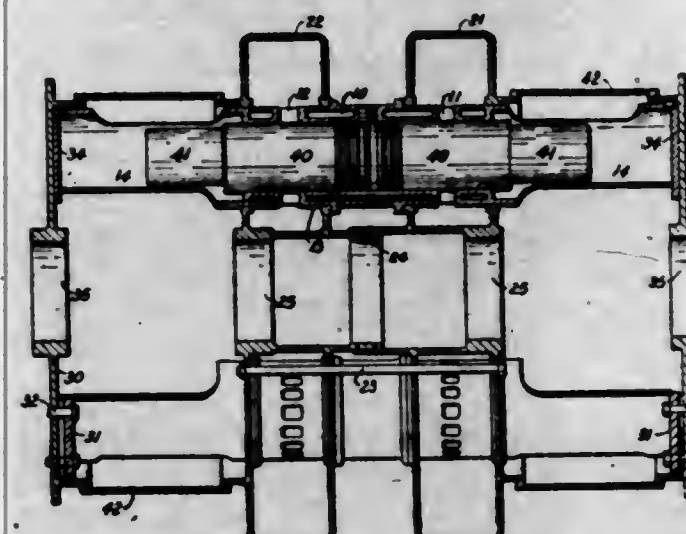
2. A frame for an opposed-piston internal combustion engine comprising a welded structure including a central tube for housing the shaft of said engine, a pair of plates forming with said central tube a water manifold at and surrounding each end of said central tube, and a plurality of tubes spaced about and parallel to said central tube and passing thru holes in said pairs of plates, each of said tubes having a tubular bore of one diameter from end to end; in combination with a cylinder liner unit including its water jacket, freely fitting each of said tubular bores, a fuel injection member entering each tubular bore and cylinder liner radially in its central plane to lock said liner axially in said tubular bore, and resilient water port packing means at each end

of said liner unit to seal the flow of water between said water manifolds in said frame and said liner water jackets while centering said liner unit in said tubular bore.

2,384,292

ENGINE STRUCTURE

Arne Feroy, Staten Island, N. Y., assignor to Rogers Diesel and Aircraft Corporation, New York, N. Y., a corporation of New York
Application November 9, 1944, Serial No. 562,701
5 Claims. (Cl. 123-51)

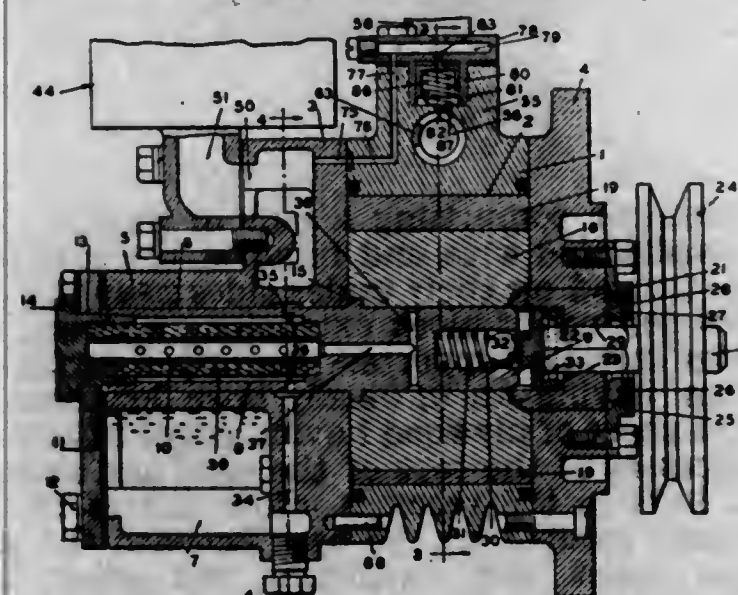


4. A construction for an opposed-piston internal combustion engine comprising individual cylinder liners each having a water-jacketed central cylinder portion with intake ports toward one end and exhaust ports toward the other end thereof and crosshead guide portions of larger bore than said cylinder portion at the two ends thereof, intake and exhaust manifold members and a series of bores therein receiving said liners, thru-bolts clamping said manifold members upon said liners to form a rigid structure, end cover members at the ends of said liners, means for clamping said cover members to the ends of said liners a removable closure extending from each of said manifold members to its adjacent end cover member, said clamping means comprising pilot discs locating said end cover members relative to said crosshead guide portions, and clamps between the ends of said crosshead guide portions.

2,384,293

COMPRESSOR

Walter R. Freeman, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application May 21, 1943, Serial No. 487,863
9 Claims. (Cl. 230-24)



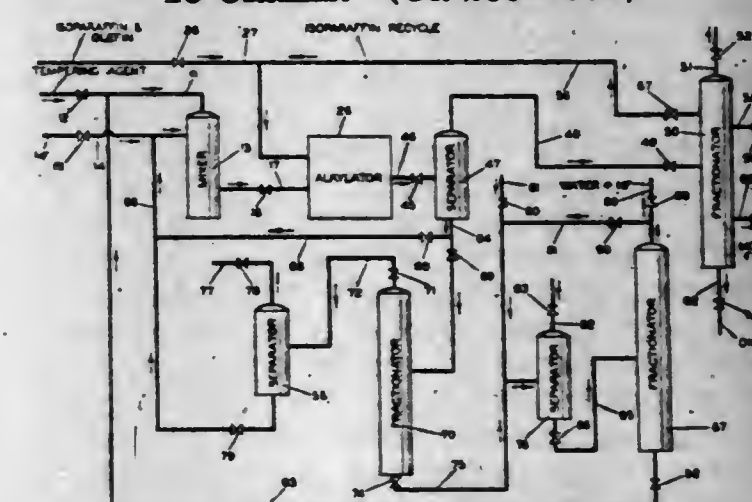
1. In a rotary compressor, a stator member having a rotor receiving opening and with a bore

at right angles to the opening, said bore having a fluid inlet at one end and being connected at the other end to the opening to form an inlet port for the latter end plates fixed to the stator, a rotor shaft, a rotor mounted on the shaft and provided with blades, means for driving the rotor, said driving means removably secured to said rotor, means comprising unloading valve mechanism contained in the bore for preventing fluid from passing therethrough to the compressor inlet port when the compressor has caused a predetermined fluid pressure to be developed, and ports communicating with the bore and formed partly in the stator member and partly in the end plate.

2,384,294

PROCESS FOR CONVERTING HYDROCARBONS

Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application July 11, 1942, Serial No. 450,588
13 Claims. (Cl. 260-671)

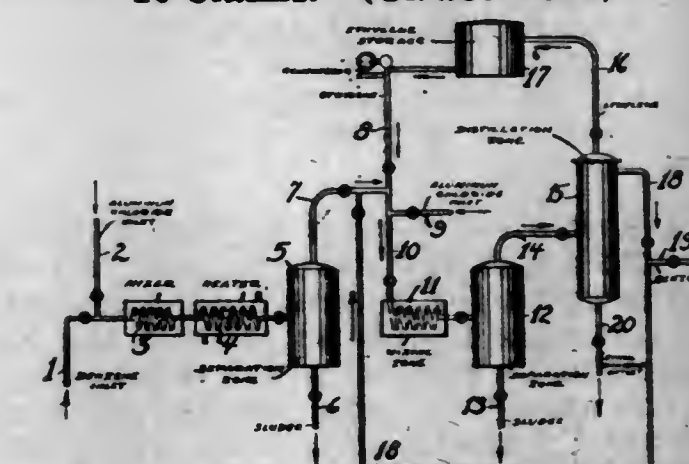


9. An improved process for alkylating hydrocarbons, which comprises reacting under alkylation conditions a low-boiling alkylatable hydrocarbon with an olefin in the presence of liquid concentrated hydrofluoric acid associated with between about 0.1 and 10 per cent by weight of a primary monohydric alcohol.

2,384,295

ALKYLATED AROMATIC HYDROCARBONS

Peter J. Gaylor, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 19, 1941, Serial No. 398,705
10 Claims. (Cl. 260-671)

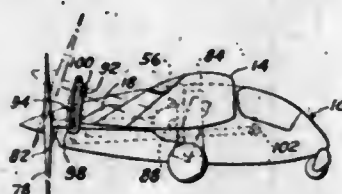


1. Process for obtaining improved yields of alkylated aromatic hydrocarbons from olefins and impure aromatic hydrocarbons comprising treating said aromatic hydrocarbons with about 0.01 to 0.1 mol of a Friedel-Crafts catalyst per mol of aromatic hydrocarbon separating the treated aromatic hydrocarbons from the resulting catalyst sludge, and then alkylating the thus treated aromatic hydrocarbons with an olefin in the presence of a Friedel-Crafts type catalyst.

2,384,296

TAILLESS AIRPLANE WITH MOVABLE POWER PLANT

Michael E. Gluhareff, Stratford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Original application June 29, 1939, Serial No. 281,821. Divided and this application March 12, 1942, Serial No. 434,324
2 Claims. (Cl. 244-56)

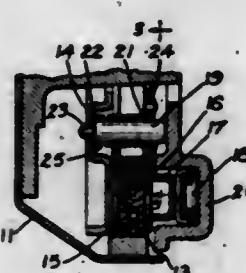


1. In combination, a tailless airplane having a rear mounted propeller and propeller driving means including an engine, a pivotal support for the engine-propeller combination having an axis substantially parallel to the spanwise axis of said airplane and passing through a point in said airplane substantially coincident with the center of gravity of said airplane and intersecting the axis of rotation of said propeller at the center of gravity of said engine-propeller combination so that the thrust line of said propeller passes substantially through the location of the center of gravity of the airplane and through the center of gravity of said engine-propeller combination, and manually controllable means between said engine-propeller combination and said airplane for changing the vertical location of said propeller with respect to said airplane by tilting said engine-propeller combination about said pivotal support without disrupting the driving connection between said engine and said propeller or moving said thrust line away from the center of gravity of the airplane.

2,384,297

BRAKE

Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 29, 1942, Serial No. 448,899
7 Claims. (Cl. 188-79.5)

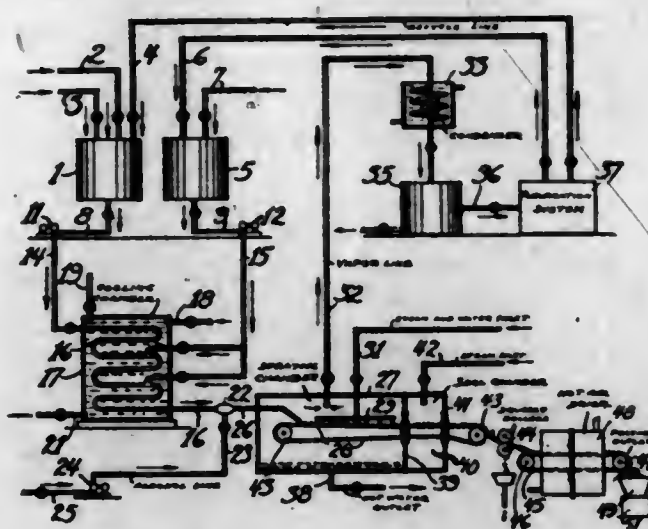


1. In a disk brake having an axially movable member and an axially fixed member, an automatic adjustment for maintaining substantially constant clearance in release between the members comprising an element which is movable relative to the axially movable member by contact with the axially fixed member and which determines the position in release of the axially movable member, and a one-way clutch connecting the element to allow movement of the element relative to the axially movable member in the direction urged by contact with the fixed member but prevent movement of the element relative to the axially movable member in the opposite direction, said one-way clutch consisting of a spring washer fixed to said axially movable member and a plurality of radially inwardly extending fingers engaging said element.

2,384,298

APPARATUS FOR THE MANUFACTURE OF HIGH MOLECULAR WEIGHT POLYMERS

Arthur Donald Green, Cranford, N. J., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
Application September 19, 1941, Serial No. 411,440
6 Claims. (Cl. 23-260)

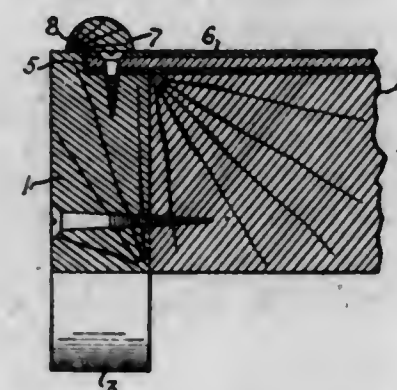


1. An improved apparatus for recovery of solid constituents from a reaction mixture composed of solid and liquid vaporizable constituents which comprises a separatory chamber, an auxiliary chamber directly adjacent said separatory chamber, an opening in the partition wall between the separatory chamber and the auxiliary chamber, an opening in an outer wall of said auxiliary chamber, conveyor means extending thru said openings, means for supplying a continuous stream of said reaction mixture to said conveyor, means for introducing a fluid heating medium into said separatory chamber, a vapor line connected to said separatory chamber for withdrawing volatilized constituents from said chamber, roller members adjacent said openings and pressing against said conveyor means, and conduit means connected to a source of gas under pressure communicating with said auxiliary chamber.

2,384,299

STRETCHER

Dorr J. Gunnell, Lansing, Mich.
Application May 28, 1942, Serial No. 444,889
1 Claim. (Cl. 5-82)



A stretcher comprising a pair of parallel side bars constructed with end handles, the said bars having formed on their under sides near the end handles dependent block extensions whereon the stretcher may be supported, the upper surface of each bar having an upwardly open longitudinal recess, a sheet of plywood having edges fitting the said recesses of the tops of the bars and secured to the bars in the recesses, cross braces having their ends secured to the bars beneath the said plywood sheet and supporting the sheet, and molding strips arranged to hold the edges of the plywood sheet flush with the top surface of the bars and secured over those edges.

2,384,300

ELECTROLYTIC DEPOSITION OF ZINC

Charles G. Harford, Quincy, Mass., assignor to Arthur D. Little, Inc., Cambridge, Mass., a corporation of Massachusetts
No Drawing. Original application July 3, 1937, Serial No. 151,854, now Patent No. 2,355,070, dated August 8, 1944. Divided and this application July 12, 1944, Serial No. 544,651
6 Claims. (Cl. 204-55)

6. A process of electrolysis that comprises electro-depositing zinc from an undivided cell containing an aqueous electrolyte consisting essentially of a soluble salt of zinc and an alkyl hydrocarbon diamine, and manifesting a pH value between approximately 8 and 12.

2,384,301

ELECTROLYTIC DEPOSITION OF TUNGSTEN

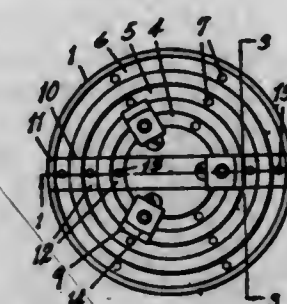
Charles G. Harford, Quincy, Mass., assignor to Arthur D. Little, Inc., Cambridge, Mass., a corporation of Massachusetts
No Drawing. Original application July 3, 1937, Serial No. 151,854, now Patent No. 2,355,070, dated August 8, 1944. Divided and this application July 12, 1944, Serial No. 544,652
6 Claims. (Cl. 204-45)

6. A process of electrolysis that comprises electro-depositing tungsten from an undivided cell containing an aqueous electrolyte consisting essentially of tungsten ions and an alkyl hydrocarbon diamine and manifesting a pH value above 7.0.

2,384,302

CHUCK

Norman A. Harrison, Kalamazoo, Mich., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich., a corporation of Michigan
Application July 5, 1944, Serial No. 543,509
8 Claims. (Cl. 279-119)



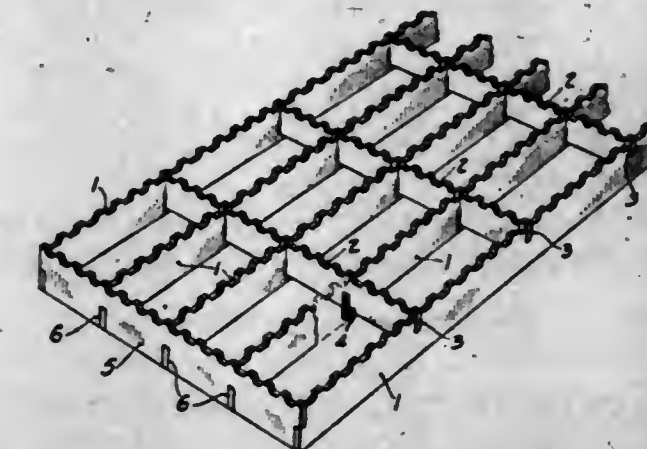
2. In a chuck, the combination of a body member having a plurality of concentric groove-like recesses in the face thereof and a jaw slideway extending radially across the same and intersecting the said recesses, a jaw slide disposed in said slideway and having segmental recesses therein aligned with and complementing said recesses in said body member when the jaw slide is in its initial position, said recesses in said body member and jaw slide having radially aligned angularly spaced tapped bores in the bottoms thereof, a set of jaws having lugs removably engageable with said recesses in said body member and slide member, said jaws having countersunk bores therein receiving attaching screws coacting with said tapped bores in the bottoms of said recesses, one of the jaws of the set being disposed in a recess of said jaw slide corresponding to the recesses of said body member in which the other jaws of the set are disposed, and means for actuating said jaw slide.

578 O. G.-9

2,384,303

WELDED GRATING

William C. Heath, Shorewood, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application March 27, 1941, Serial No. 385,478
2 Claims. (Cl. 189-82)



1. A welded grating comprising a series of laterally spaced parallel longitudinal bars of strip metal vertically disposed on edge with their upper edge surfaces lying in substantially the same horizontal plane to provide a common tread, a series of spaced parallel cross bars of strip metal similarly disposed on edge with their upper surfaces lying in the general plane of said tread surface, said cross bars being disposed loosely in regularly spaced slots with vertical side walls extending downwardly from the upper edges of said longitudinal bars, and welds joining the bars only at the flat bottom of the respective slots near the mid-plane of the structure and without extrusion of metal from the slots.

2,384,304

ANAL RETRACTOR

Joseph Rembrandt Helfrick, Port Washington, N. Y.
Application August 18, 1944, Serial No. 550,091
5 Claims. (Cl. 128-20)



5. An anal retractor, comprising a pair of semi-annular members having their ends in end abutment with each other, hinges connecting adjacent ends of said members by which they may be folded one upon the other, anchor springs mounted on the top faces of said members, rigid strips mounted over the adjacent ends of said members for locking them in end abutment with each other, pivots for said rigid strips by which they may be moved to release said abutting ends, and clamp screws threadably mounted through said rigid strips and abutting said semi-annular members for holding the rigid strips fixedly in position.

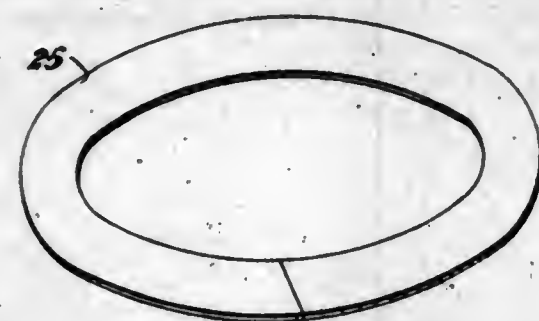
2,384,305

ENGINE PISTON

Joseph E. Herron, Philadelphia, Pa.
Application January 15, 1941, Serial No. 374,514
2 Claims. (Cl. 309-15)

1. An engine piston having a ring groove consisting of a central shallow portion and end deeper portions producing shoulders flanking the central shallow portion, a main ring mounted in said central portion of the groove tensioned

to spring outward and normally leaving a gap behind it, and sealing rings in the deeper portions



of said groove coacting with the opposite flat faces of the main ring and bridging the gap.

2,384,306

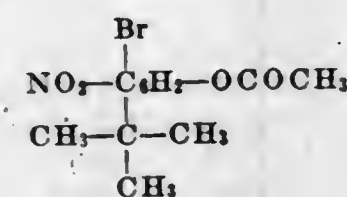
ESTERS OF HALONITROPHENOLS

William F. Hester, Drexel Hill, and W E Craig, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application November 19, 1940, Serial No. 366,259

2 Claims. (Cl. 167-30)

1. An insecticidal composition having as an active principle a compound of the formula



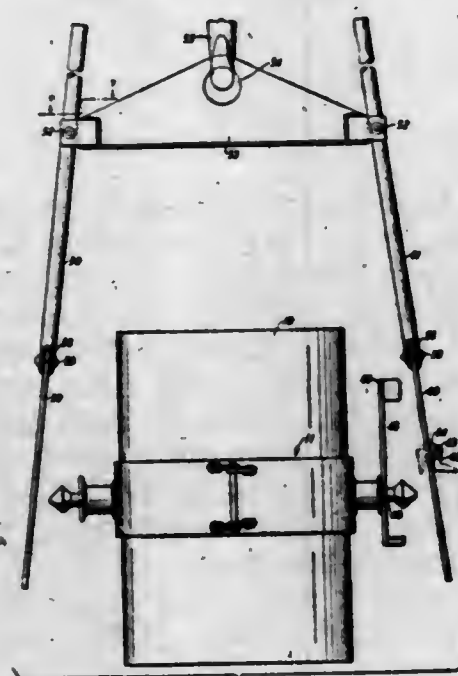
2,384,307

MATERIAL HANDLING APPARATUS

Harry L. Husson, Westfield, and Robert R. Polard, East Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application October 30, 1943, Serial No. 508,430

7 Claims. (Cl. 294-67)



1. An article handling apparatus comprising a locking band adapted for frictional gripping engagement with a cylindrical article, spaced projections carried by the locking band, arms adapted for interfitting engagement with the projections, means, adapted for connection with a transporting means, supporting the arms, and interconnectible means carried by the band and one of the arms to hold the article in a selected one of a plurality of positions.

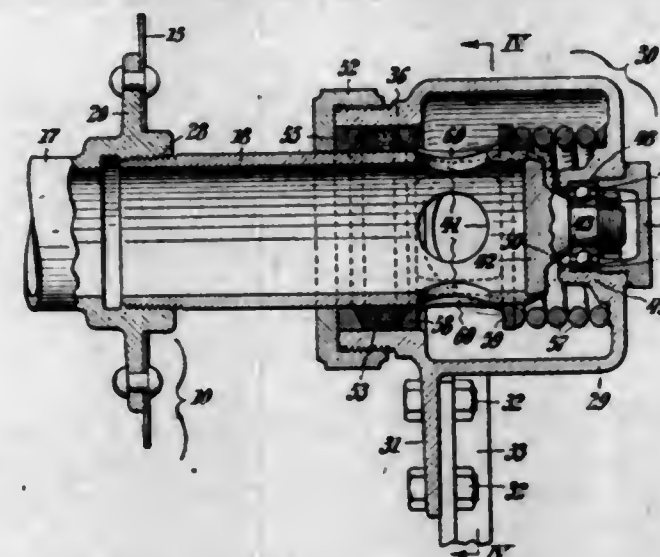
2,384,308

SWING JOINT

James A. Jensen, Philadelphia, Pa., assignor to Philadelphia Valve Company, Philadelphia, Pa., a co-partnership

Application October 12, 1943, Serial No. 505,903

2 Claims. (Cl. 285-96.3)



1. In a swing joint of the character described, a pipe having a closed end with a diametrically reduced axial trunnion and with a series of circumferentially arranged ports adjacent said end; a cup like housing extending, with clearance all around, over the pipe end; a bearing for the pipe trunnion in the rear end wall of the housing; packing surrounding the pipe within an annular cavity formed in the opposite end of the housing; a sleeve fitting over the pipe within the housing and having circumferentially arranged openings in the plane of the ports in said pipe; a helical spring surrounding the bearing aforesaid between the rear end wall of the housing and the sleeve to compress the packing for maintenance of a fluid tight joint; and a second pipe communicating laterally into the housing.

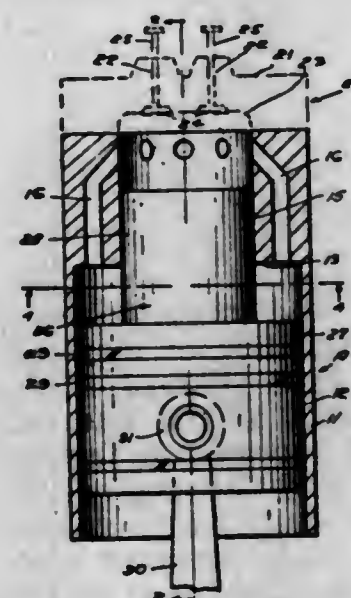
2,384,309

CYLINDER

Earl Giles Jordan, Moweaqua, Ill.

Application October 26, 1944, Serial No. 560,413

3 Claims. (Cl. 123-57)



1. In a device of the character described in combination, a cylinder head, a cylinder body having a relatively large bore therein, a shoulder in said cylinder comprising a face and a thickened portion of said body, means forming a reduced bore in said thickened portion, means forming passageways extending from said shoulder through said portion to the interior of said reduced bore, means forming inlets through said cylinder head and said thickened portion, to said passageways, and a piston in said cylinder.

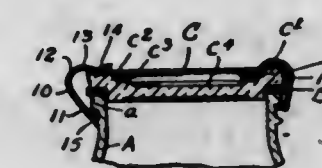
2,384,310

JAR FASTENER

Charles H. Judd, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application April 7, 1943, Serial No. 482,098

4 Claims. (Cl. 215-90)



1. The combination of a receptacle having a mouth and an external shoulder about said mouth, a cover for the receptacle extending over said mouth and shoulder and having a raised top edge, and a clip of a single piece of resilient sheet material having an abrupt projection adjacent its lower end underhanging the shoulder of the receptacle anchoring the clip thereto, said clip having a bent-over free portion adapted to bear against the top surface of the cover, said free portion being downwardly dished both longitudinally and transversely to provide a stiffened camming surface adapted to be forced over said raised edge on the cover.

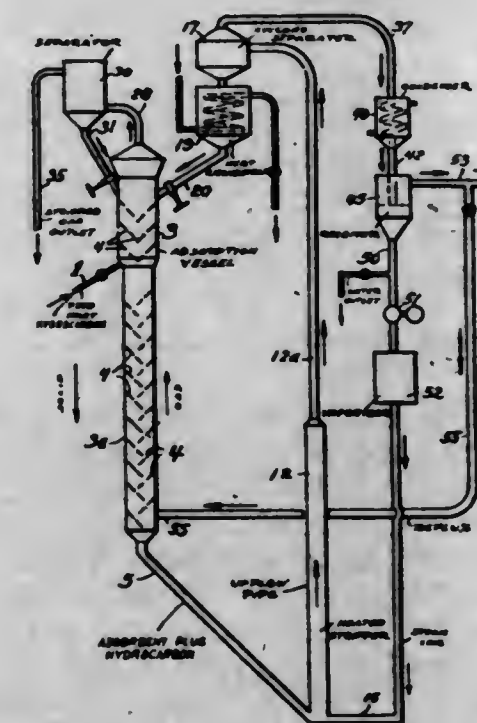
2,384,311

CHEMICAL PROCESS

Kenneth K. Kearby, Elizabeth, N. J., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana

Application February 12, 1942, Serial No. 430,543

14 Claims. (Cl. 260-677)



7. An improved process for separating olefin hydrocarbons from a mixture of olefin and paraffin hydrocarbons, which comprises gravitating a solid adsorbent material in powdered form through an adsorption zone, causing the said mixture to flow countercurrently thereto through the said adsorption zone, recovering the solid adsorbent material containing olefins from the bottom of said adsorption zone, treating the solid adsorbent material with a stripping gas in order to liberate the adsorbed olefins and refluxing a portion of said olefins to the adsorption zone at a point beyond that at which said countercurrent flow takes place, whereby the adsorbent is further charged prior to the stripping operation.

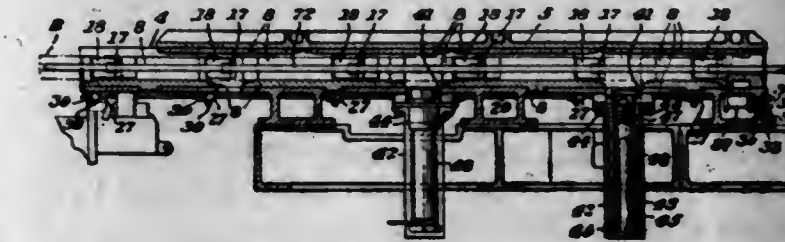
2,384,312

OUTLET TROUGH AND MANDREL BAR ARRANGEMENT FOR TUBE-PIERCING MILLS

George J. Kirchner, Mount Lebanon, Pa., assignor to National Tube Company, a corporation of New Jersey

Application December 18, 1943, Serial No. 514,846

4 Claims. (Cl. 80-13)



3. In an outlet trough for a tube piercing mill of the class described including a mandrel bar for supporting a piercer point for piercing billets, a plurality of spaced apart pairs of members carried by said trough and in one position adapted to extend thereto for supporting and guiding the mandrel bar when disposed therein at spaced points substantially throughout the length thereof with each member of each of said pairs positioned horizontally on opposed sides of the mandrel bar, means pivotally mounting each of said supporting and guiding members at either side of said trough, arms connected to said pivotally mounted supporting and guiding members which extend outwardly and diagonally therefrom and rearwardly of said trough when said guiding members extend inwardly of said trough in their protracted position and forwardly when said members are in their retracted position, a spring member connecting each pair of oppositely disposed arms for yieldably maintaining each of said supporting members in a protracted position when they extend into said trough for supporting said mandrel bar and for maintaining said members in a retracted position and out of contact with a billet when moved to a retracted position thereby, each pair of mandrel supporting and guiding members adapted to be moved successively out of a protracted position to a retracted position by the billet as it advances there-through and to be simultaneously returned to a protracted position by means engaging said arms.

2,384,313

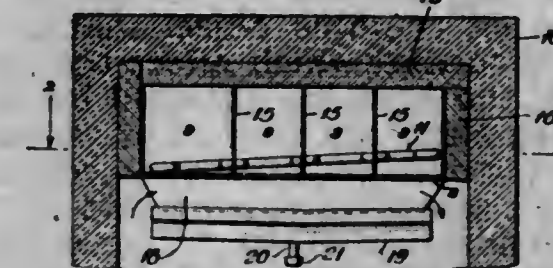
EVAPORATOR FOR ABSORPTION REFRIGERATING APPARATUS

Peter Rudolf Max Moritz Köhler, Stockholm, Sweden

Application June 17, 1942, Serial No. 447,355

In Sweden June 17, 1941

11 Claims. (Cl. 62-103)



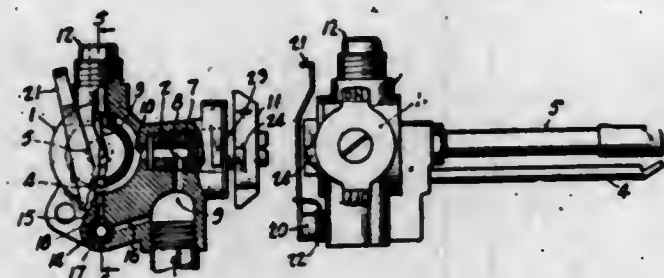
1. A refrigerator having a thermally insulated storage space, an absorption refrigeration system including an evaporator in which refrigerant fluid and auxiliary agent flow in the presence of each other, partitions forming a plurality of separate heat conducting compartments immediately beneath the ceiling of said storage space, said compartments having openings at the front and arranged in contiguous side by side relationship from one lateral side to the opposite lateral side of said storage space, closure means for the com-

partment openings, said evaporator having a plurality of sections with successive sections arranged in adjacent compartments to effect cooling of said compartments, said refrigerant fluid evaporating in the auxiliary agent at progressively increasing temperatures in the adjacent compartments from one lateral side to the opposite lateral side of the storage space.

2,384,314

SAFETY PILOT FOR GAS HEATERS

Ernst R. Koppel, Wauwatosa, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application August 14, 1941, Serial No. 406,786
6 Claims. (Cl. 158-117.1)



3. A safety control for gas heaters employing a pilot burner for lighting the heater, comprising a main shut-off valve having a valve body containing passages supplying gas to the heater, a thermostat responsive to heat from the flame of the pilot burner for operating said shut-off valve, said valve body containing passages for supplying gas to the pilot burner from opposite sides of the main shut-off valve, a two-way valve controlling said last-named passages and alternatively supplying gas to the pilot burner from either side of the main shut-off valve, means normally biasing said two-way valve to supply gas to the pilot burner from the low pressure side of the main shut-off valve, and means for manually operating said two-way valve to supply gas to the pilot burner from the high pressure side of the main shut-off valve for starting the burner.

2,384,315

PROCESS FOR CRACKING CRUDE HYDRO-CARBON OIL

Paul E. Kuhl, Madison, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 6, 1942,
Serial No. 453,805

7 Claims. (Cl. 196-44)

1. In a process for cracking crude hydrocarbon oils in the presence of an active catalyst wherein the oil contains objectionable nitrogenous base impurities which affect the yield and character of the products obtained by the catalytic cracking step; the method of reducing objectionable nitrogenous impurities contained in said oil which comprises passing said oil through a mass of an adsorptive material consisting principally of aluminum oxide.

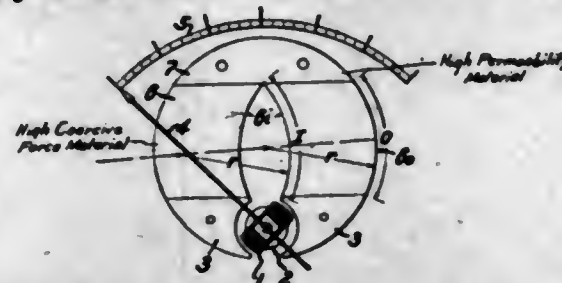
2,384,316

ELECTRICAL INSTRUMENT

Francis X. Lamb, East Orange, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application October 23, 1941, Serial No. 416,277
3 Claims. (Cl. 171-95)

1. A magnetic field structure for an electrical measuring instrument of the type having a coil

pivotaly supported for angular movement about a core located between and spaced from the polar faces of the magnetic field structure; said magnetic field structure comprising a pair of permanent magnet members with inner and outer arcuate surfaces of the same circumferential length and symmetrically arranged with respect to said core and each having a pair of substantially plane pole faces, the two sets of correspondingly located pole faces of the permanent

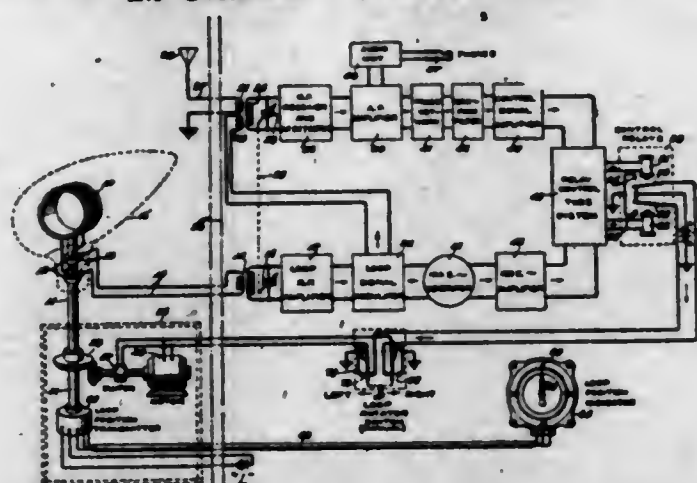


magnet members being arranged in substantially parallel planes, a segmental yoke of high permeability spanning one set of pole faces of said permanent magnet members, the outer arcuate surfaces of said magnetic members and yoke conforming substantially to that of a right circular cylinder, and a pole piece of high permeability material secured to each pole face of the other set of pole faces of the permanent magnet members, said pole pieces having polar surfaces at opposite sides of and spaced from said core.

2,384,317

RADIO DIRECTION FINDING SYSTEM

William P. Lear, Chicago, Ill., assignor, by mesne assignments, to Lear, Incorporated, Piqua, Ohio, a corporation of Illinois
Application March 1, 1940, Serial No. 321,623
12 Claims. (Cl. 250-11)



1. In a radio directional system, a non-directional antenna and a radio frequency amplifier coupled thereto, a rotatable directional loop antenna, a balanced modulator stage responsive to signals from said loop antenna, means for biasing said modulator stage to substantially near cut-off, a control signal oscillator in circuit connection with said modulator stage to modulate radio frequency signals received by said loop antenna, means including circuit connections for coupling the output of said modulator stage to said radio frequency amplifier, means responsive to the output of said radio frequency amplifier for indicating the direction of the radio waves and means including circuit connections to said modulator section for selectively converting the system for effective operation solely on either one of said antennae.

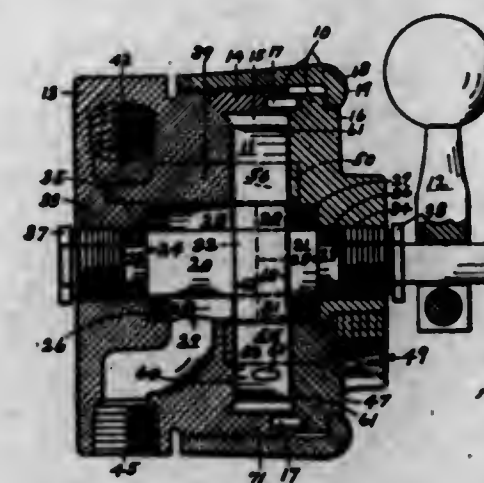
2,384,318

SELECTOR, CONTROL VALVE, AND THE LIKE

Charles Le Bleu, Los Angeles, Calif.
Application October 28, 1942, Serial No. 463,583
11 Claims. (Cl. 251-85)

1. In a valve; a valve body provided with spaced apart confronting fluid control and restricting

surfaces having fluid inlet and exhaust ports formed therethrough; a pressure cavity formed in the fluid control and restricting surface opposite each of certain of said ports and substantially in alignment therewith, each of said ports and its opposite pressure cavity being substantially of equal area; a valve plug rotatably mounted in said body between said fluid control and restricting surfaces so as to cooperate therewith and hav-

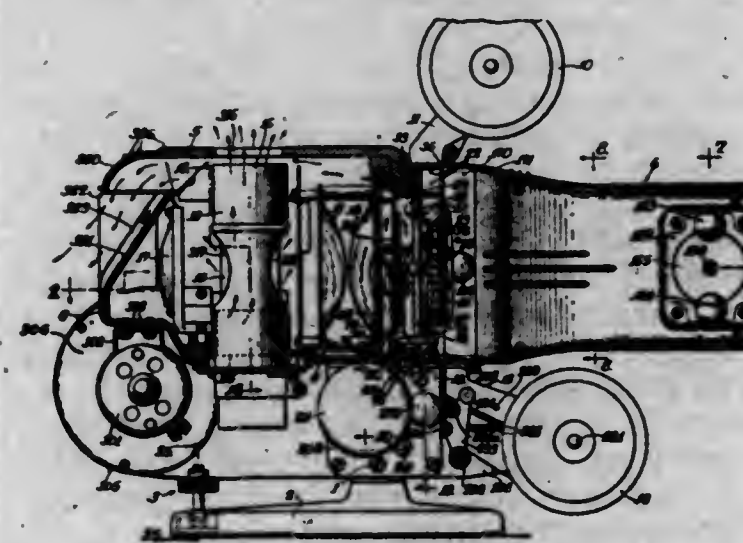


ing neutral and operating position, said valve plug being provided with fluid passages therethrough arranged and adapted to cooperate with said ports to restrict and control the flow of fluid through the valve in a manner determined by the position of said valve plug; and means adapted to provide hydraulic connection between each of said ports and its cooperating pressure cavity in any position of said valve plug so as to equalize port pressure at opposite sides of said plug.

2,384,319

PROJECTOR

William A. Lebus, Chicago, Ill., assignor to Prismacolor, Inc., Chicago, Ill., a corporation of Illinois
Application November 9, 1942, Serial No. 464,961
9 Claims. (Cl. 88-24)



1. A plural lens mount for a film projector adapted for multiple color picture projection, comprising a housing, a plurality of lens groups carried by said housing and arranged in juxtaposed relation therein, one of said lens groups being disposed with its optical axis coincident with the projection axis of the projector, bars supporting the other lens groups on either side of said one lens group to swing about fixed pivots, the pivot of each bar being disposed in the same plane as the film and at a point on a line bisecting the corresponding film frame projected by each of the latter groups, respectively, whereby superimposed registry of the projected images is obtainable.

2,384,320

AERIAL CANNON

Harry F. Lee, Grand Junction, Colo.
Application July 4, 1944, Serial No. 543,483
1 Claim. (Cl. 102-2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

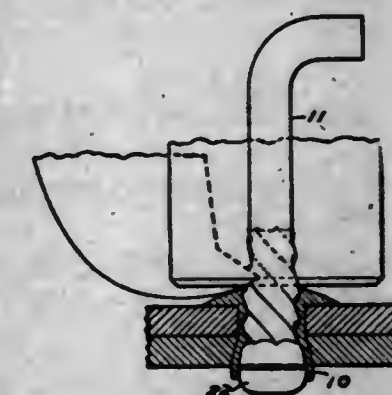


An aerial bomb comprising a casing, a barrel formed in said casing and opening through the end of said casing which is forward in flight, a cover over the opening of said barrel, a charge of shot in said barrel, an explosive charge positioned in said barrel to exert an expelling force on said charge of shot when detonated, an electrical detonating cap adjacent to said explosive charge, a source of electrical energy mounted in said barrel, electrical conducting means forming an open circuit between said source of electrical energy and said detonating cap, a shaft rotatably mounted in said barrel, a propeller mounted externally on said casing and adapted for rotation by air currents during the flight of the bomb, means connecting said propeller for rotation of said shaft, means for regulating the speed of rotation of said shaft, screw-threads on said shaft, and a follower cooperating with said screw-threads, whereby said follower is advanced by the rotation of said shaft to close the circuit formed by said conducting means.

2,384,321

RIVET CONSTRUCTION

Milton H. Lees, Jr., Pasadena, Calif.
Application March 29, 1944, Serial No. 528,632
2 Claims. (Cl. 85-40)

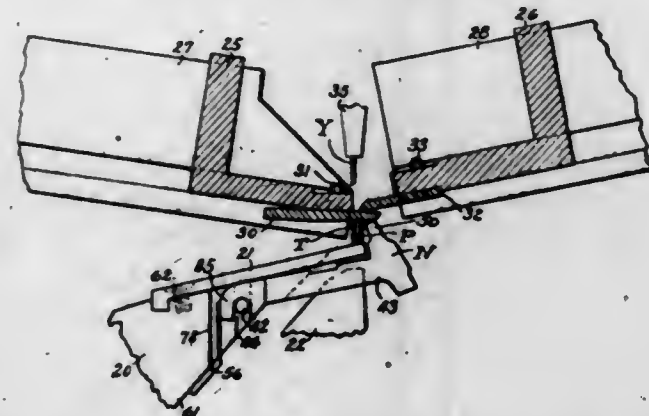


2. A rivet including a head and an elongated shank, said head and shank having a bore therethrough, said bore being cylindrical throughout, a mandrel in said bore, said mandrel including a cylindrical portion longer than the shank bore and slidable in the shank bore, said cylindrical portion having a diameter substantially equal to the diameter of the shank bore, said cylindrical portion extending beyond the head, said mandrel

beyond the rivet shank and remote from the rivet head having a spirally corrugated portion, the external diameter of the spirally corrugated portion being greater than the diameter of the shank bore, the spirally corrugated portion being adapted to enter the shank bore and to expand the rivet shank when the rivet is being set, said mandrel beyond the spirally corrugated portion and at the end of the mandrel remote from the rivet head having an enlarged bulbous head which is larger in diameter than the spirally corrugated portion and which is adapted to enter the rivet shank bore.

2,384,322

NOSE BOARD FOR AXMINSTER LOOMS
Stanley N. McCaslin and Arthur Lamb, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application May 20, 1944, Serial No. 536,534
19 Claims. (Cl. 139-7)



19. A pile tuft engaging unit for an Axminster loom operating with a tuft cutting knife and having a nose board, said unit comprising a body having provision for pivotal support with respect to the nose board and having a pile tuft engaging hook integral with said body, the hook having a top surface for engagement with said knife and over which tufts are adapted to pass.

2,384,323

ALIPHATIC-ETHER-ALCOHOL DERIVATIVES OF CASHEW NUT SHELL OIL
Rush F. McCleary, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application March 26, 1943, Serial No. 480,681

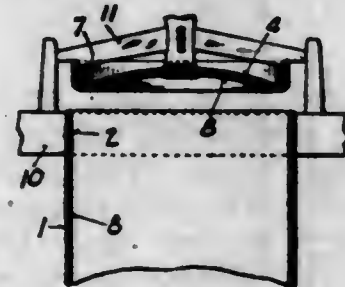
5 Claims. (Cl. 260-613)

1. A cardanoxyl alcohol.

2,384,324

METHOD OF MAKING HOT-WATER TANKS
Wesley G. Martin, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

Application February 16, 1942, Serial No. 431,042
5 Claims. (Cl. 29-148.2)



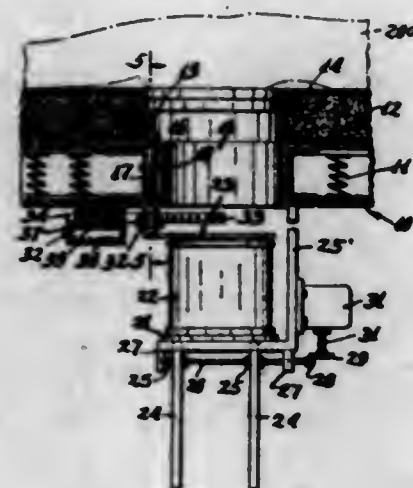
1. In the manufacture and assembly of a hot water storage tank having a generally cylindrical

shell and a head to close one end of said shell, the steps comprising sizing said shell to provide the same with an accurately determined internal circumference, lining the interior surface of the shell and head with a corrosion resistant material to protect the same from corrosion, thereafter applying a jig to the end of said shell to bring it into substantially circular section and holding it therein while inserting the head into the end of the shell with the end section of the head tightly fitting concentrically within and overlapping the end of the shell for a substantial distance, and circumferentially sealing the tank by welding the joint between the head and shell.

2,384,325

HOSPITAL BED

Charles R. Marsan, New York, N. Y., assignor of one-half to Sue Lomax, New York, N. Y.
Application November 19, 1943, Serial No. 510,938
4 Claims. (Cl. 5-90)

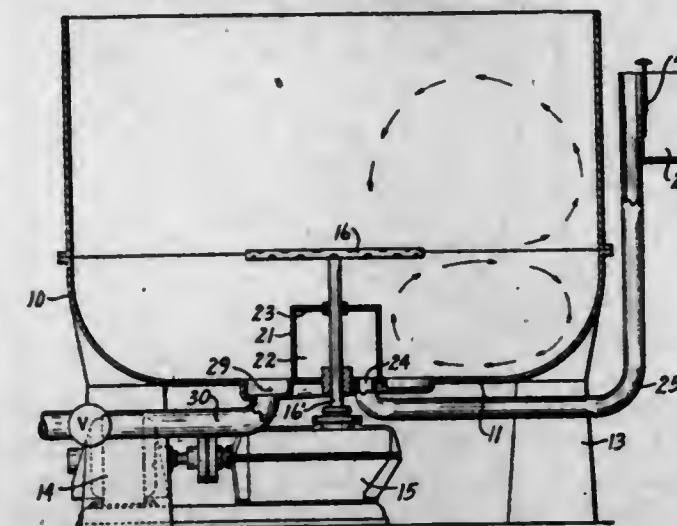


1. In combination with a box spring and mattress of a hospital bed formed with aligned vertical openings at a position located substantially centrally of the bed, a tubular casing mounted through the opening of said box spring, top and bottom members slidably but non-rotatively engaging each other, said bottom member being vertically slidably and rotatively supported on said casing, resilient means slightly urging the bottom telescopic member upwards relative to said casing, resilient means slightly urging the top telescopic member upwards relative to said bottom telescopic member, a padded top cover for extending across the opening in said mattress and eccentrically mounted on the top telescopic member for normally seeking a position slightly above said mattress and depressible into said mattress opening flush with said mattress under the weight of a person lying on said mattress, a platform for a chamber pot disposed beneath said aligned openings, a chamber pot on said platform, means vertically slidably mounting said platform to be raisable to extend the top of said chamber pot into the bottom of said aligned openings, a bottom cover for extending across the open top of said chamber pot in a lowered position thereof and eccentrically mounted on the bottom telescopic member for normally seeking a position slightly above said pot and depressible onto said pot when said top cover is depressed, push button controlled means for turning said telescopic members for moving said covers from their position over the opening in said mattress and over said chamber pot, and push button controlled means for raising and lowering said platform for lifting said chamber pot upwards into said casing and for again lowering the same in the latter position of said covers.

2,384,326

PAPER PULPING APPARATUS

Homer D. Martindale, Middletown, Ohio, assignor to The Black-Clawson Company, Hamilton, Ohio, a corporation of Ohio
Application August 27, 1941, Serial No. 408,482
6 Claims. (Cl. 92-23)

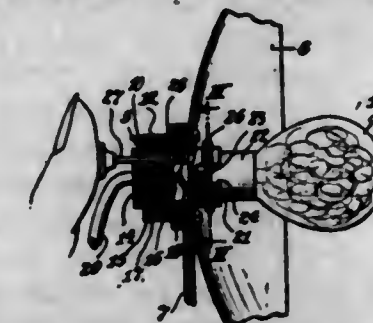


1. Paper pulping apparatus comprising a tank, a substantially cylindrical screen in the lower portion of the tank providing a discharge chamber therein, a substantially horizontal pulping member rapidly rotatable at high peripheral speed of approximately 2000 to 6000 feet per minute mounted in said tank above the screen in spaced relation with the screen and substantially in axial alignment therewith, said member being vertically spaced a considerable distance above said screen and projecting out beyond the screen and having sharp pulping edges carried upon the upper and the lower sides of said pulping member and arranged in sequential series around said pulping member on both sides thereof with each said edge arranged in a direction generally radial to the pulping member and effective to act upon the narrow zone of the large bodies of pulp above and below said horizontal pulping member to produce a combined pulping action by successively shearing off said comparatively thin layers of pulp from the main bodies of the pulp and to cause outward circulation of such sheared material above and below the member under the high rotating speed and thus to cause circulation of the main bodies of pulp into the paths of said sharp edges for said high speed successively sequential shearing actions, the diameter of the pulping member being about twice the diameter of the screen and the diameter of the tank being about three or more times the diameter of the screen.

2,384,327

EJECTOR SOCKET

Samuel Mendelsohn, Montclair, N. J.
Application January 15, 1942, Serial No. 426,797
5 Claims. (Cl. 173-328)



1. An ejector socket for a photoflash lamp comprising a metal sleeve, retaining means carried by said socket and engageable with the base of said photoflash lamp for maintaining the latter in said sleeve upon longitudinal movement of said lamp into said socket, and means carried by said socket normally in spaced relation to the base of said lamp and operable from the exterior

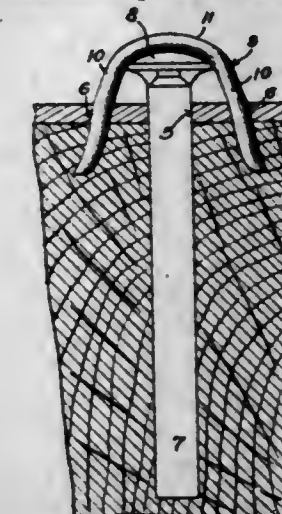
of said socket into engagement with the base of said lamp to render said retaining means ineffective and to cause longitudinal ejection of said lamp from said socket.

2,384,328

ANCHORAGE MEANS FOR RAILWAY RAILS

Lou Quinn Moore, Pueblo, Colo.

Application August 4, 1944, Serial No. 548,088
2 Claims. (Cl. 238-294)

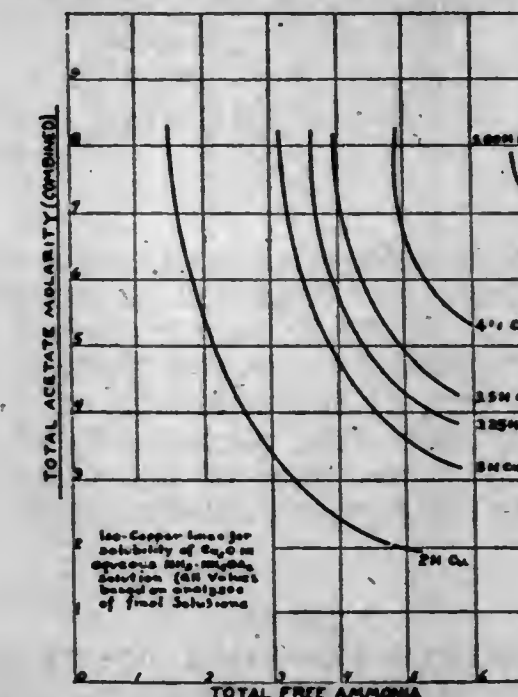


1. In an anchorage means for railway rails, a tie plate having a first opening and provided with second openings disposed on opposite sides of the first opening, and spaced therefrom, a spike extended through the first opening and having a head, and a U-shaped staple comprising legs and a bridge connecting the legs, the legs being extended through the second openings, the bridge extending across and engaging the upper surface of the head.

2,384,329

PREVENTION OF COPPER ACETYLIDE PRECIPITATION

Charles E. Morrell, Roselle, and Miller W. Swaney, Linden, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application August 6, 1942, Serial No. 453,804
4 Claims. (Cl. 260-681.5)



1. In a process of separating and segregating diolefins from diolefin and alkyl-alpha acetylene-containing mixture of hydrocarbons which comprises contacting the diolefin- and the acetylene-containing mixture of hydrocarbons having from 4 to 6 carbon atoms to the molecule with a cuprous salt solution containing at least 2 mols per liter of combined copper and at least 0.5 mol per liter of ammonia in excess of that required to solubilize the cuprous hydroxide present in dissolved form and separating the cuprous salt solution with the diolefin and acetylene in solution from the undissolved mixture of hydrocarbons.

2,384,330

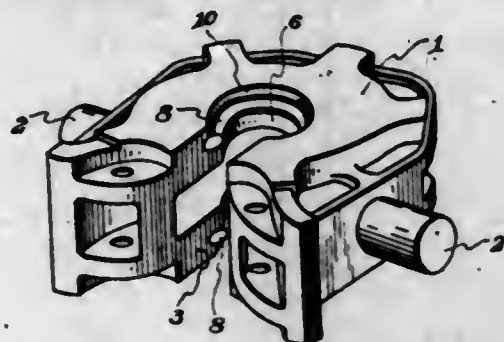
GARMENT STYLE DESIGNING SETMarjorie K. Muggy and Jack de Jong,
New York, N. Y.Application January 28, 1944, Serial No. 520,024
8 Claims. (Cl. 35-56)

1. A display device comprising a flat rigid cardboard mannequin, a flat rigid form member of a shape conforming to the outline of a garment comprising a blank of cardboard having a fabric covering the front side thereof, said form member being positioned over the front of the mannequin in conforming relation thereto with the fabric covered front side facing outwardly, and interlocking means between the form member and the mannequin for securing the same together.

2,384,331

INSERT FOR SUCKER ROD ELEVATORS

Albert H. Neilson, Tulsa, Okla.

Application February 8, 1945, Serial No. 576,841
4 Claims. (Cl. 294-91)

1. The combination with an elevator body having a rod receiving chamber extending therethrough, a rod shank in said chamber, said rod having a downwardly tapered portion disposed in the upper end of the chamber, of a split expandable hard steel ring disposed in an annular channel in the upper end of the chamber, said ring engaging the tapered portion of the rod.

2,384,332

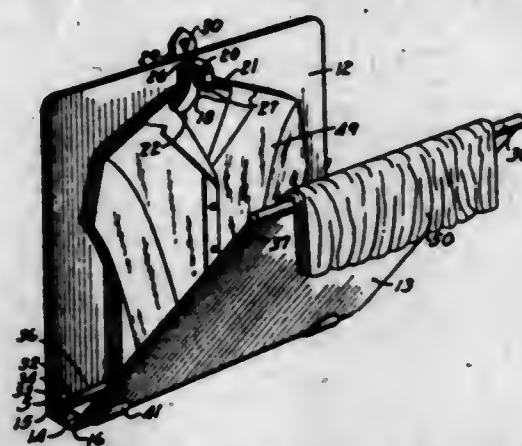
DETACHABLE WARDROBE FITTING FOR HAND LUGGAGE

Paul E. Nicholas, St. Joseph, Mo.

Application March 20, 1943, Serial No. 479,862
4 Claims. (Cl. 223-85)

4. In a luggage fitting, overlying front and back panels, an intermediate panel having opposite edges hingedly connected to the lower edges of the overlying panels, a hanger for supporting the shoulder portion of garments, a post for supporting the hanger on the inside of the front panel, a strap on the front wall and engageable with the end of the hanger post for retaining said hanger on the post, a rod, means on the intermediate panel engageable with the ends of said

rod for forming a fold member for the garments holding the garments adjacent the bottom of the intermediate panel, a rod having a slot therein engageable with the upper end of the back wall

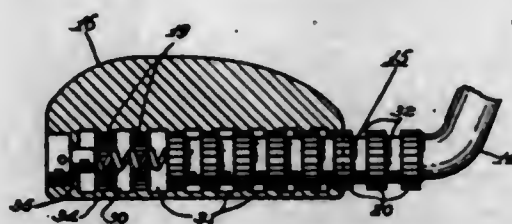


for supporting the ends of the garments in draped condition without creasing, and means on the outside of the front wall adjacent the upper end thereof for hanging the entire fitting and garments therein in fully outstretched condition.

2,384,333

GOLF CLUB

John L. Nilson, Chicago, Ill.

Application October 9, 1942, Serial No. 461,645
1 Claim. (Cl. 273-79)

An adjustable golf club comprising a shaft, a hosel surrounding and attached to the lower end of said shaft, said hosel having a bend and integrally therebeyond a spindle, a head having a plurality of faces and a bore extending horizontally therethrough, said head rotatably and slidably mounted on said spindle with said spindle lying within said bore, a stop member positioned within the outer end of said bore, said spindle having an opening in its front end extending axially therein, a spring having its rear end extending within the opening of said spindle and with its front end contacting the inner end of said stop member, said spindle having a serrated portion at its outer end, and a plurality of spaced serrated portions throughout its length, the bore of said head having a plurality of similarly spaced serrations, said spindle having smaller spaced non-serrated portions between its said serrated portions and at its inner end, said bore having enlarged similarly spaced non-serrated portions between its said serrated portions and at its inner end, said head adapted to be slidably moved inwardly on said spindle by manual pressure of the user against said spring until the serrated portions of the bore of said head are opposite said non-serrated portions of said spindle for neutral position, said head in neutral position adapted to be rotated on said spindle to a desired lofting angle of any one of said faces, said head then adapted by said spring to be slidably moved outwardly on said spindle until the serrated portions of said spindle engage with the serrated portions of the bore of said head to lock the head at the desired lofting angle for the face chosen, so that said face may be used as a striking face, and means on the rear portion of said head positioned to engage the rearmost serrated portion of said spindle and prevent the accidental rearward withdrawal of said spindle from said head.

2,384,334

PNEUMATIC PICKUP DEVICE

Frank G. Olson, Chicago, Ill.

Application February 11, 1944, Serial No. 522,015
4 Claims. (Cl. 294-64)

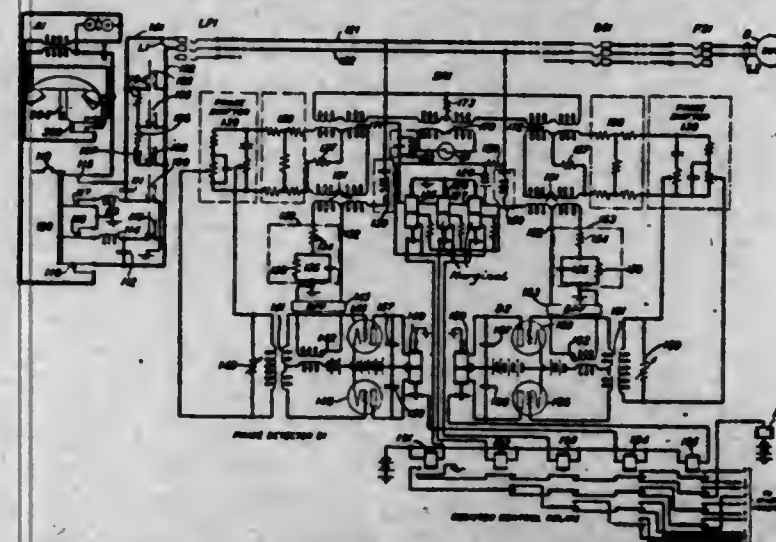
1. A device of the character described comprising, a rigid tubular element closed at one end, a resilient tubular element closed at one end telescopically fitted within the said first-mentioned tubular element, the said resilient tubular element terminating in a suction cup portion projecting beyond the open end of the said first-mentioned tubular element, and pressure exerting means adapted to collapse the said resilient tubular element, the said pressure exerting means consisting of a rigid strip element interposed between the walls of the said rigid and the said resilient tubular elements, and a handle secured to the said rigid strip element slidably confined within a slotted portion in the said rigid tubular element, the said handle projecting beyond the outer surface of the said rigid tubular element.

2,384,335

PROCESS FOR OXIDIZING UNSATURATED POLYCYCLIC ALCOHOLSRupert Oppenauer, Amsterdam, Netherlands;
vested in the Allen Property CustodianNo Drawing. Application May 21, 1937, Serial No. 144,097. In the Netherlands May 26, 1936
7 Claims. (Cl. 260-397.3)

1. Process for the manufacture of unsaturated ketones of the cyclopentano polyhydrophenanthrene series from the corresponding unsaturated secondary alcohols, which comprises subjecting such alcohol to the action of an excess of a compound from the group consisting of aldehydes and ketones in the presence of tertiary aluminum butylate.

2,384,336

SIGNALING SYSTEMKenneth W. Pfeiffer, Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated,
New York, N. Y., a corporation of New YorkApplication June 4, 1943, Serial No. 489,612
7 Claims. (Cl. 177-353)

7. In a signaling system, a two-conductor line, signal receiving means connected to one end of said line and comprising an alternating current

source, a first phase detector including a first signal relay, means coupling said alternating current source and first detector and one of the conductors of said line to effect the operation of said first signal relay when the alternating current in said one conductor is of one phase but not when the alternating current in said one conductor is of the opposite phase, a second phase detector including a second signal relay, means coupling said alternating current source and said second detector and the other conductor of said line to effect the operation of said second signal relay when the alternating current in said other conductor is of one phase but not when the alternating current in said other conductor is of the opposite phase, a source of direct current and other signal relays including a marginal relay connected in series with said source across the conductors of said line, signal transmitting means connected to the other end of said line and comprising selective means for varying the magnitude of the direct current in said line, for varying the phase of the alternating current in one of the conductors of said line, for varying the phase of the alternating current in the other of the conductors of said line, for varying the magnitude of the direct current and at the same time the phase of the alternating current in either one of the conductors of said line, for varying the phase of the alternating current in both of the conductors of said line at the same time or for varying the magnitude of the direct current in said line and at the same time the phase of the alternating current in both of the conductors of said line, thereby to effect the selective operation of one or more of said signal relays, and signal register means controlled by said signal relays.

2,384,337

MANUFACTURE OF CATALYSTSHerman Pines and Vladimir N. Ipatieff, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application August 11, 1941,
Serial No. 406,409

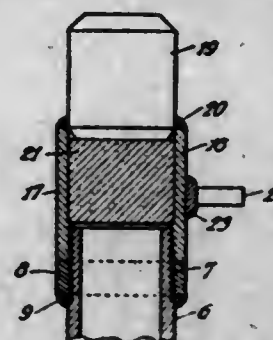
4 Claims. (Cl. 252-256)

1. A process for the manufacture of catalysts which comprises forming a mixture of the hydrogels of silica, alumina and zirconia, drying said mixture, treating the dried mixture with a gas comprising chlorine and a reducing agent to form aluminum and zirconium chlorides, and effecting said treatment under temperature and pressure conditions regulated to retain said chlorides on the silica.

2,384,338

FENCE POST OR THE LIKE

Walter Rasso, Chicago, Ill.

Application October 23, 1944, Serial No. 559,975
4 Claims. (Cl. 189-23)

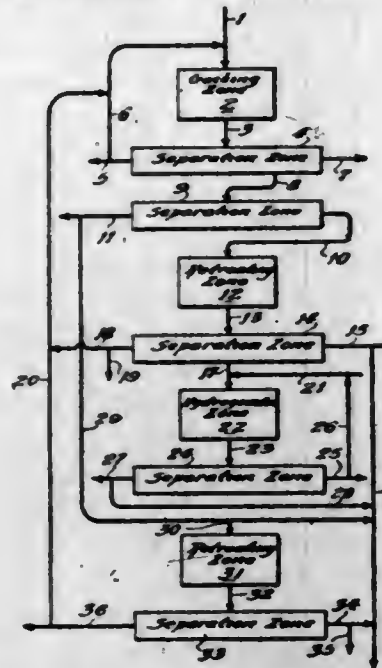
1. A fence post or the like comprising a length of pipe having a driving point at its lower end and being screw threaded at its upper end, a

collar screwed upon the threaded upper end of the pipe and welded thereto, with a part of the threaded portion of the pipe extending above the collar, and a driving head having an internally threaded sleeve adapted to be screwed upon the threaded end of the pipe with the lower edge of the sleeve abutting against the adjacent edge of the collar, the latter serving to receive the impact caused by the blow of a driving tool on the driving head.

2,384,339

TREATMENT OF HYDROCARBONS

Davis Read, Jr., Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application August 30, 1943, Serial No. 500,535
9 Claims. (Cl. 196—52)

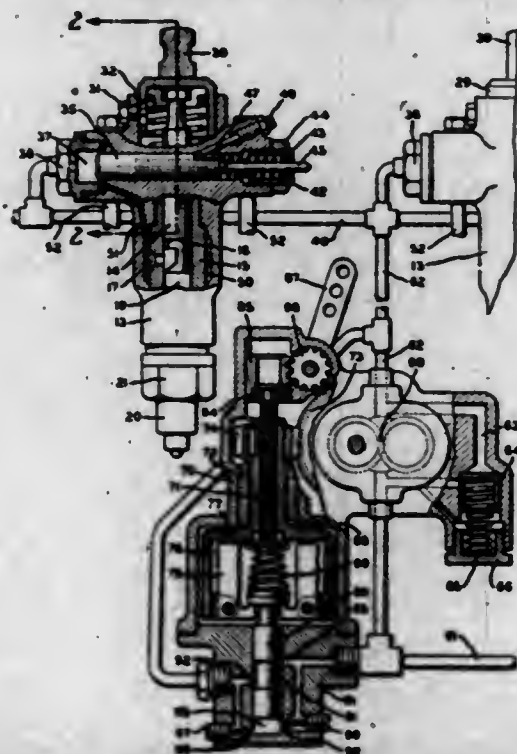


1. A hydrocarbon conversion process which comprises treating an olefinic gasoline with a phosphoric acid catalyst under conditions to produce a light gasoline fraction of low bromine number and a heavy olefinic fraction of higher bromine number, hydrogenating at least a portion of said heavy olefinic fraction, and blending at least a portion of the hydrogenated products with said light gasoline fraction of low bromine number.

2,384,340

GOVERNING MEANS

Ferdinando Carlo Reggio, Harwich Port, Mass.
Application May 6, 1940, Serial No. 333,529
19 Claims. (Cl. 264—3)



16. A hydraulic governor having a slidable pilot valve, flyweights for shifting said valve, a contin-

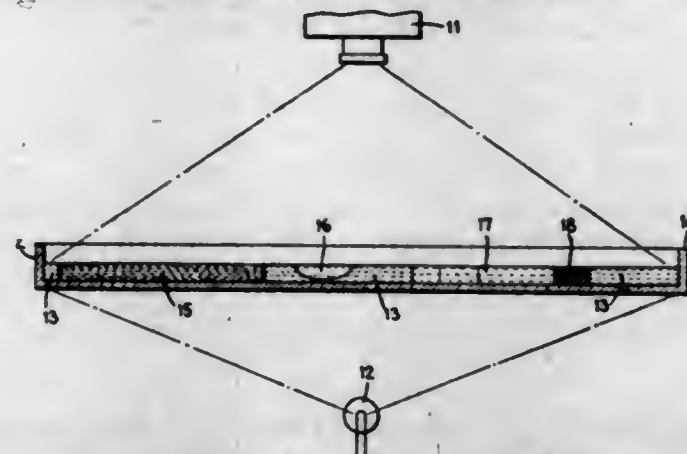
uously rotating member coaxial with said valve, means for controlling the axial adjustment of said member independently of the axial motion of said valve, and a coil spring coaxial with said valve for opposing outward motion of said flyweights, said spring having its ends connected by means of thrust and torque transmitting attachments with said member and valve, respectively.

18. A fluid pressure actuated regulating device including a fluid pump having a rotatable shaft, a slidable valve coaxial with said shaft, variable pressure fluid containing means defined in part by said valve for exerting an operative axial load thereon, and spring means connected by way of thrust and torque transmitting attachments with said shaft and with said valve for causing rotation of said valve and resiliently opposing axial motion thereof.

2,384,341

METHOD OF ATTAINING REALISTIC ANIMATION FOR PHOTOGRAPHIC PURPOSES

Joseph W. Richards, New York, N. Y.
Application May 14, 1942, Serial No. 442,896
3 Claims. (Cl. 88—16)

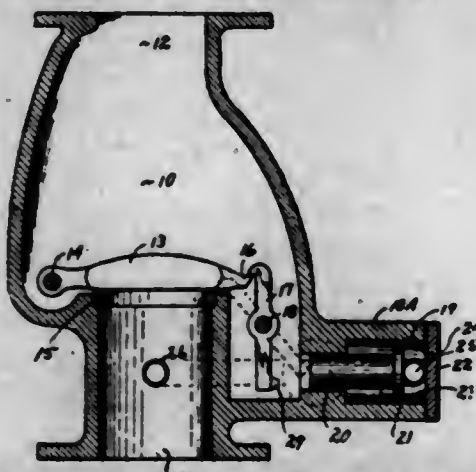


1. The method of artificially effecting realistic animation which comprises the steps of disposing, intermediate a light source and camera, a background medium, intermittently treating said background medium to simulate changing surroundings, displacing at least a portion of said treated background medium with a substance of contrasting opacity, moving said substance into a multiplicity of different positions within said treated background medium to successively display the same against differently appearing backgrounds, making a photographic record of the whole while said substance is in each of said multiplicity of different positions, and successively viewing said records to obtain the illusion of the movement of said substance across said background.

2,384,342

VALVE

Harry N. Rider, Youngstown, Ohio, assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio, a corporation of Delaware
Application July 7, 1944, Serial No. 543,816
6 Claims. (Cl. 169—19)



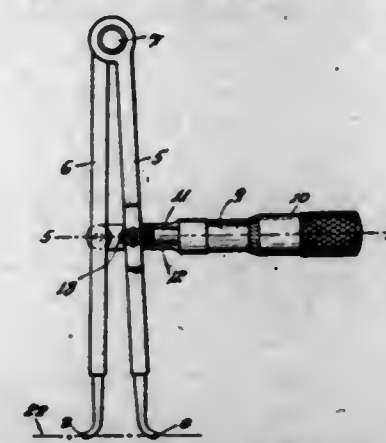
1. A fluid control valve comprising a valve body having a clapper hinged therein adapted

to close a passageway therethrough, latch means normally engaging the said clapper so as to retain it in closed position, means to release said latch, means establishing communication between the inlet portion of the said passageway and the said latch releasing means, and means controlling the said communication means.

2,384,343

INSIDE MICROMETER

Joseph F. Rondinone, Wethersfield, Conn., assignor of one-fourth to Winifred C. Rondinone, Wethersfield, Conn.
Application January 21, 1943, Serial No. 473,087
5 Claims. (Cl. 33—154)

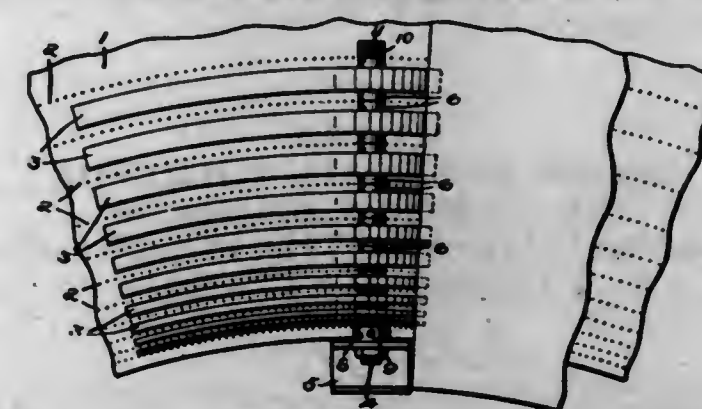


1. An inside micrometer of the character described comprising a pair of pivoted leg members and a measuring mechanism carried on said members intermediate the ends thereof; said measuring mechanism including a supporting member pivotally connected to the side of one of said members and having a portion extending around the other leg member to the outer side thereof, and standard measuring means carried on said supporting member; said measuring means including a barrel having graduations thereon and mounted on the said portion of the supporting member, a sleeve movable over said barrel, and a spindle movable with said sleeve and swivelly and rotatably connected to the said other leg member to thereby permit direct reading of the graduations on said barrel.

2,384,344

WOOL-COMBING MACHINE

Hachig Sarkisian, North Andover, Mass.
Application October 26, 1944, Serial No. 560,427
2 Claims. (Cl. 19—122)

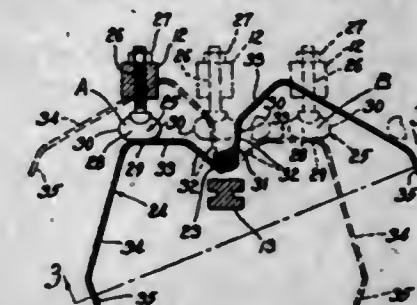


1. In a comb having a rotary pin carrying table with plows extending, respectively, into the spaces between respective rows of pins, a mounting for the plows comprising in combination a stationary spindle, a set of plows with hubs borne by the plows through which the spindle extends and upon which spindle the hubs will turn freely but with sufficient tightness of bearing to prevent tilting of the plows, said hubs in length relatively corresponding with the spaces between the respective rows of teeth whereby the plows will be properly positioned within the spaces between the rows of teeth into which they are extending

2,384,345

TRIP DEVICE FOR SCALE MECHANISM

Eugene W. Schellentrager, Shaker Heights, Ohio, assignor to The Atlas Bolt & Screw Company, a corporation of Ohio
Application July 24, 1943, Serial No. 496,035
2 Claims. (Cl. 200—56)

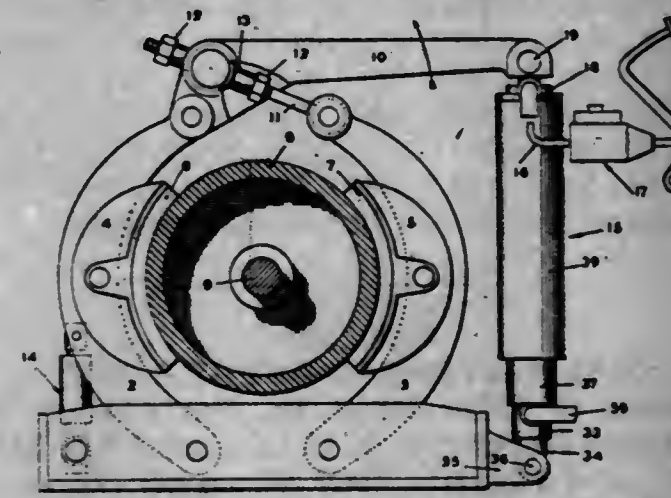


1. In switch operating mechanism of the type including a switch member movable back and forth across dead center and biased by gravity toward one or the other of its two end operating positions and an oscillatable shaft operatively connected to said switch member, improved trip mechanism for operating said switch member, comprising cooperating finger and trigger members, said trigger member including two spaced arms attached to and extending outwardly from said shaft and adapted for swinging movement about the shaft axis back and forth from one to the other of two positions to alternately present said arms in said path to said finger for operation thereby, said finger member engaging said arms alternately to operate said switch by finger movement back and forth along said path from one to the other of two positions each beyond one of said arms to thereby pass the same during switch operation, said switch and its operating connections to said shaft being of such form and so mounted as to offer minimum opposition to switch actuation by said finger, each of said arms being provided with maintaining means cooperating with said finger and arranged when said arm has been engaged, actuated and passed by said finger to prevent undesirable return of the switch to its original position.

2,384,346

INDUSTRIAL BRAKE

Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application June 23, 1943, Serial No. 491,915
20 Claims. (Cl. 188—151)



1. In apparatus of the class described, a member to be actuated, spring means for biasing the

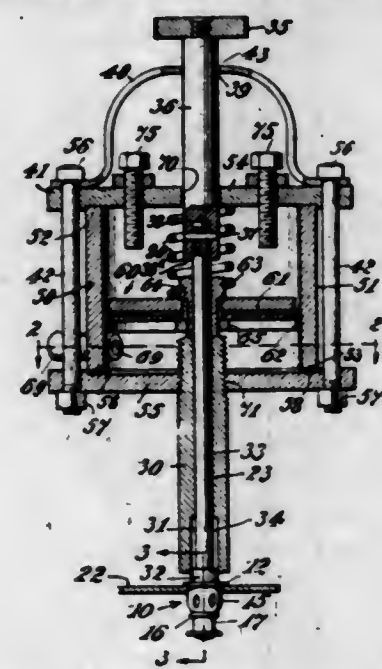
member to an operative position, fluid pressure operated means for relieving the force of the spring means from the member and for simultaneously maintaining the member in its operative position, a source of fluid pressure for operating the fluid pressure means, and means comprising valve means for trapping fluid pressure to hold the spring means in the force relieved condition and permitting the member to assume an inoperative position when fluid pressure from the source is released.

2,384,347

CAGE NUT TOOL

Michael Schutz, Jackson Heights, N. Y., assignor to Steinway & Sons, New York, N. Y., a corporation of New York

Application November 11, 1943; Serial No. 509,825
1 Claim. (Cl. 218-19)



In a tool for cage nuts having a base and a screwthreaded tip and a collapsible portion between the same, such tool having a casing with an upper and lower end, a shaft centrally disposed in the casing and passing through the upper and lower ends of the casing and having a shoulder disposed between said ends, a stationary holder having one end secured to the lower end of the casing and surrounding the lower portion of the shaft and having its other end adapted to engage the base of the cage nut, said shaft being rotatable within the holder and having its end adjacent the cage-nut-engaging-end of the holder screwthreaded for engaging the interior screwthreaded tip of the cage nut, a hub within the casing slidably surrounding the lower portion of said shaft within the casing, a piston within the casing secured to said hub, said casing having an opening below the piston permitting compressed air to enter and to be discharged from the casing, and a spring disposed above the piston and between the piston and the upper end of the casing, the shaft, hub, piston, and holder being axially arranged relative to the casing, whereby upon the piston being raised by the compressed air, the hub strikes the shoulder on the shaft and raises the shaft and collapses the cage nut against the holder, the spring returning the hub and piston to their initial positions upon release of the compressed air below the piston.

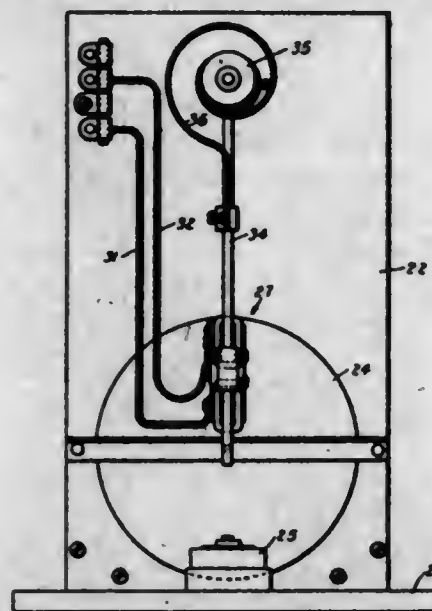
2,384,348

NAVIGATIONAL APPARATUS

Edmund O. Schweitzer, Jr., Northbrook, Ill.
Application December 9, 1943; Serial No. 513,534
7 Claims. (Cl. 73-178)

1. Means for measuring the velocity of a vehicle comprising in combination, support means

adapted to be carried by the vehicle, means for generating a shifting magnetic field movably carried by said support means and movable relative thereto from an initial position as a function of the change in velocity of the vehicle, and a conducting member operatively disposed with re-



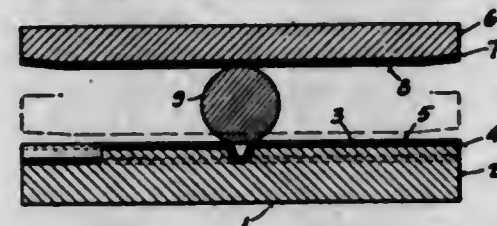
Support carried by vehicle
Gyroscopically controlled

spect to said field generating means in such manner that in the initial position of the latter the former remains stationary while in other operative positions of said field generating means said member is moved in one direction or the other by said shifting magnetic field in accordance with the change in velocity of the vehicle.

2,384,349

FORGING DIE

Donald W. Sherman, Shorewood, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application January 27, 1944; Serial No. 519,939
5 Claims. (Cl. 78-60)

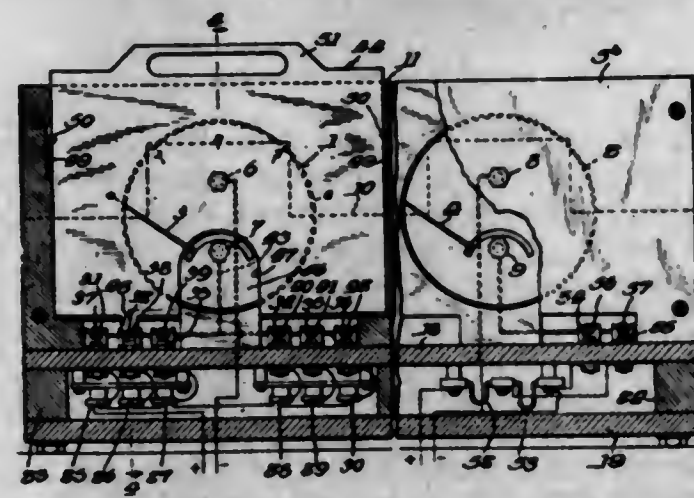


1. A die for forging operations comprising a die member having a working face for shaping an article, and a coating thereon of ceramic enamel bonded thereto.

2,384,350

METER AND SCALE THEREFOR

John V. Skulley, Chicago, Ill.
Application February 19, 1942; Serial No. 431,468
9 Claims. (Cl. 171-95)



1. In a device of the kind described the combination of an indicating unit having an indicat-

ing element, a plurality of bodily removable and interchangeable combined scale and switch actuating members, each having graduations thereon individually cooperable with said indicating element, means for varying the range of said indicating unit including electric switches, one for controlling each separate range and means carried by each of the respective combined scale and switch actuating members for actuating a switch of said range varying means to provide the range corresponding to the respective combined scale and switch actuating members, when any one of the latter is in operative position with respect to the indicating element.

2,384,351

METHOD OF FORMING EXTENDED LENGTHS OF METAL WIRE

George H. Slagle, Temple, Pa., assignor, by mesne assignments, to Berks County Trust Company, Reading, Pa., a banking institution of Pennsylvania

No Drawing. Application July 31, 1942,
Serial No. 453,029

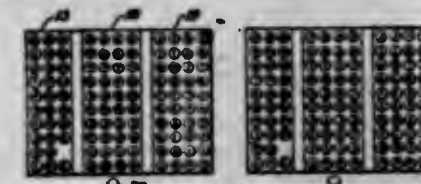
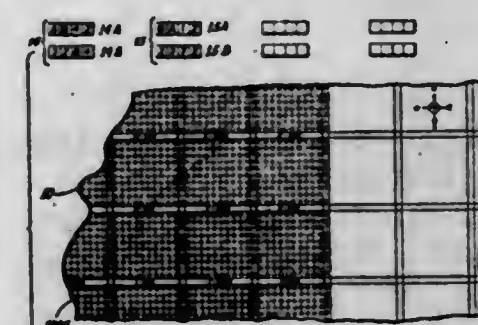
4 Claims. (Cl. 148-11.5)

1. In the manufacture of wire consisting of a beryllium-copper alloy containing 1.5 to 3% Be, the improvement which comprises forming the alloy into an elongated strip having a width relative to its thickness adapted, on slitting lengthwise, to provide a plurality of substantially identical square cross-sectioned lengths; slitting said strip into said square cross-sectioned lengths; end butt-welding said square cross-sectioned lengths together to form an extended length; annealing said extended length to condition the same for cold working, cold rolling the annealed length to round section, and cold drawing the round sectioned length to smaller diameter.

2,384,352

SIGNAL SYSTEM

Clyde Smith, Hopkinsville, Ky.
Application October 12, 1942; Serial No. 461,667
6 Claims. (Cl. 177-353)



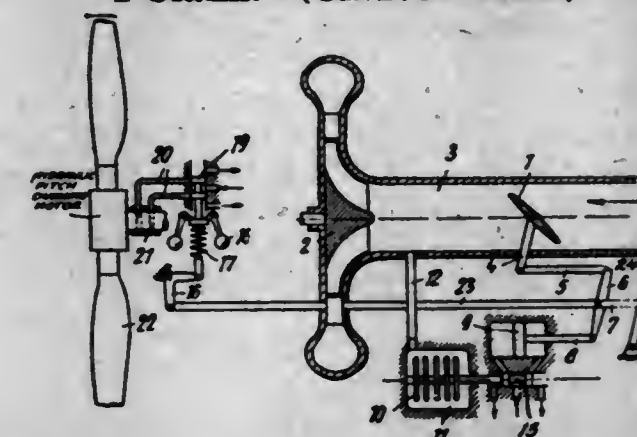
PARTIAL VIEW OF
INFORMATION CENTER
APPARATUS

1. In a signaling system, a number of signaling lamps, selective means for selecting and illuminating one of said lamps, two commutators having circuits controlled according to different signals of a code, a relay, a controlling circuit for said selected lamp including contacts of said relay and including one only of said two commutators when said relay is in operated position and the other of said commutators when said relay is in normal position, a keyboard for controlling said selective means, controlling means in said keyboard for energizing said relay, a holding circuit in said selective means for holding said relay energized, and controlling means in said keyboard for interrupting said holding circuit.

2,384,353

POWER REGULATION FOR AIRCRAFT ENGINES

Albert Stieglitz, Berlin-Spandau, Germany;
vested in the Alien Property Custodian
Application June 4, 1938; Serial No. 211,843
In Germany June 4, 1937
1 Claim. (Cl. 170-135.6)



In a power regulator for internal combustion motors for aircraft having a supercharger and a variable-pitch air screw, the combination of a servo-motor for varying the pitch of said air screw; a speed-responsive governor provided with a spring, for controlling said servo-motor, so as to maintain the speed of said air screw at a datum value determined by the setting of said spring; an intake tube for the supercharger; a throttle in said tube provided with operating links, for controlling the air supply to the supercharger; pressure responsive control means connected to a point in said tube between said throttle and the supercharger; a second servo-motor controlled by said control means, and having an operating rod; a linkage between said second servo-motor and said throttle having a double lever pivoted to the operating rod, at one of its ends, and pivoted to said links connected to the throttle, at its other end; a manually-operated lever; a link pivoted on said manually-operated lever, at one of its ends, and pivoted, at its other end, on said double lever, at the middle of said double lever; a second linkage between said governor and said manually-operated lever, for changing the setting of said spring, and having a link pivoted to the middle of the double lever on the pivot of the double lever and the link from the manually-operated lever; the relation of the parts being such that the throttle and the spring are subject to simultaneous adjustment by the manually-operated lever, and the throttle is subject to adjustment by the second servo-motor without affecting the pitch control.

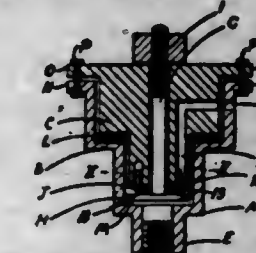
2,384,354

APPARATUS FOR ADMINISTERING ANESTHETICS

Henry Alfred Ernest Talley, London, England, assignor to Medical & Industrial Equipment Limited, London, England, a company of Great Britain

Original application November 27, 1943; Serial No. 512,072. Divided and this application March 31, 1944; Serial No. 528,828. In Great Britain March 4, 1943

6 Claims. (Cl. 251-34)



1. A fine adjustment valve for administering anesthetics and for medical gas therapy com-

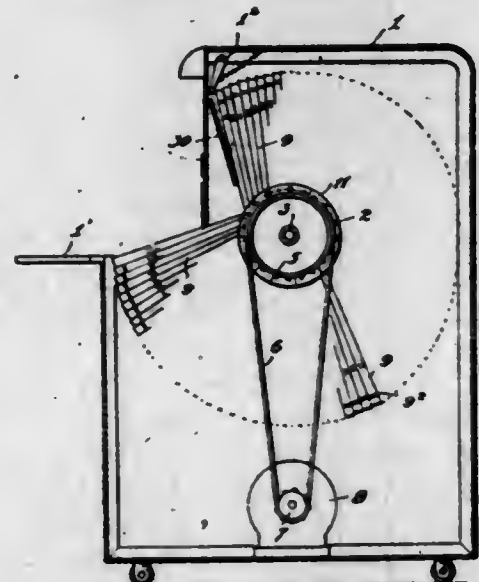
prising an outer body forming an outer casing and provided at the bottom with an outlet port and having an inlet port at the upper portion, an inner body conforming to the configuration of the interior of the outer body and fitted within the same and terminating short of the lower end thereof to form a valve chamber below the inner body, said inner body being provided with a passage communicating with said inlet port and valve chamber and terminating at the lower surface of said inner body, freely movable valve means located within the valve chamber for partially and completely obturating said passage to control the discharge of fluid from the outer body, and adjustable means for limiting the movement of the valve means.

2,384,355

CARD INDEX

George W. Torrence and Willis A. Calkins,
Peoria, Ill.

Application December 4, 1941, Serial No. 421,540
25 Claims. (Cl. 40—53)



11. A card index including in its construction a rotatable member, a support mounted thereon to travel therewith toward a given position for inspection and for carrying an index record, said support having an extension projecting from an edge thereof, an electric circuit, a circuit breaker as part of said electric circuit, the same being mounted in the path of travel of the extension, a manually operated circuit closer and an electromagnet also parts of said circuit, said circuit closer adapted to close such circuit through said circuit breaker and normally held open elastically, and when manually closed being releasably held by said electromagnet, and said magnet adapted to maintain the closed relation of the circuit closer, the said extension on the support in its travel adapted to open the circuit breaker to break the circuit through the magnet rendering the latter ineffective, releasing the circuit closer when the support has reached said position of inspection.

2,384,356

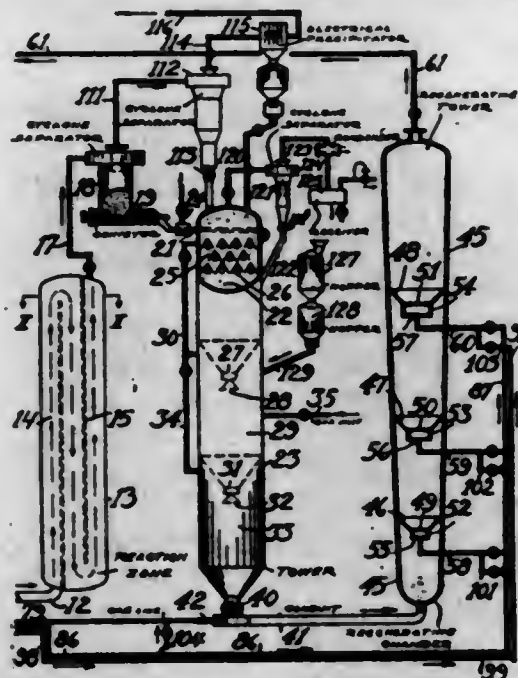
CRACKING OF HYDROCARBON OILS

Charles W. Tyson, Summit, N. J., assignor to
Standard Oil Development Company, a corporation of Delaware

Application July 26, 1939, Serial No. 286,498
15 Claims. (Cl. 196—52)

1. A method for catalytically cracking hydrocarbon oils to form lower-boiling products suitable for motor fuels which comprises vaporizing the oil to be cracked, injecting a powdered catalyst into a stream of said hydrocarbon vapors, passing said stream containing said powdered

catalyst through a reaction zone maintained at reaction temperature, maintaining said vapors within said reaction zone at a velocity sufficient to maintain the catalyst in suspension, keeping the catalyst and vapors in said reaction zone for a period sufficient to effect the desired cracking thereof, thereafter separating the powdered catalyst contaminated with volatile residual oil products and carbonaceous deposits from the cracked vapors while at a temperature sufficient to avoid any substantial condensation of said cracked vapors, thereafter fractionating the cracked products to separate the desired motor fuel products therefrom, removing volatile residual oil from



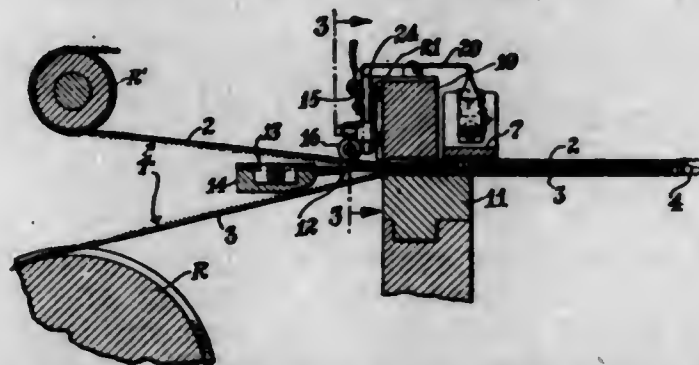
the catalyst so removed, thereafter suspending the catalyst so removed in a gaseous stream, passing said stream containing said powdered catalyst through a regenerating zone, maintaining an oxidizing atmosphere within the regenerating zone at a temperature sufficient to burn carbonaceous deposits contained on said catalyst, introducing a cooling fluid in direct contact with the catalyst within said regenerating zone to control the temperature of regeneration below a predetermined maximum, thereafter separating the regenerated catalyst from said gaseous stream and returning the same to said first mentioned reaction zone.

2,384,357

STOP MOTION DEVICE FOR PILE FABRIC LOOMS

Theodore Van Heck, Palisade, N. J.

Application March 14, 1945, Serial No. 582,629
9 Claims. (Cl. 139—336)



1. A stop motion device for pile-fabric looms including means for severing a double fabric into independent velvet layers and guide-bars for guiding feeding movement of said double fabric during severance thereof, embodying, in combination, an electric circuit, a source of current supply, means operable by said circuit for stopping the said loom, a stationary contact terminal in said circuit mounted on a fixed part of the said pile-fabric loom, a movable contact terminal also mounted on the loom, said terminals being elec-

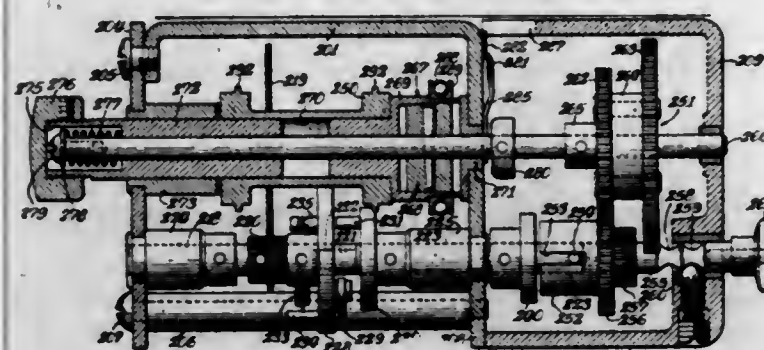
trically insulated from each other and means contacting directly with the fabric and operable by an abnormal change of position thereof to move one of said terminal contacts in relation to the other to operate said circuit and stop the loom.

2,384,358

FILM TRANSPORT MECHANISM

Charles Widell, Chicago, Ill., assignor to Prismacolor, Inc., Chicago, Ill., a corporation of Illinois

Application June 16, 1943, Serial No. 490,994
15 Claims. (Cl. 88—28)



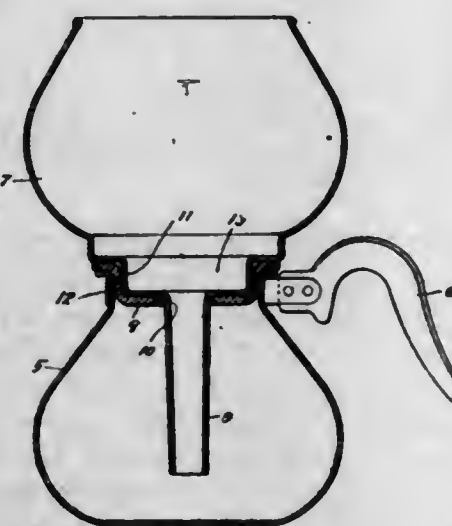
1. A film transport mechanism for projectors comprising an oscillatory drive shaft, means for controlling the rotation of said shaft between certain predetermined limits, film driving mechanism including a drive and driven shaft adapted for advancing at least one film frame at a time, intermeshing toothed elements mounted on said oscillatory drive shaft and on the drive shaft of said film driving mechanism to drive the latter and for advancing the film, and a unidirectional clutch connected between said drive and driven shafts of the film driving mechanism, said oscillatory drive shaft being adapted for actuating said film driving mechanism during one directional movement of said oscillatory shaft only.

2,384,359

SEAL FOR VACUUM TYPE COFFEE MAKERS

Frank E. Wolcott, West Hartford, Conn., assignor to The Silix Company, Hartford, Conn.

Application July 18, 1942, Serial No. 451,428
2 Claims. (Cl. 99—292)



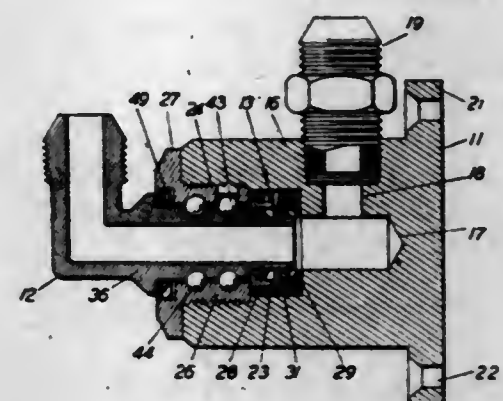
1. In a coffee maker comprising a lower bowl and an upper bowl having a stem depending therefrom into said lower bowl, a seal comprising a sheet of flexible fabric material positioned between said upper and lower bowls and having a central opening therein closely fitting said stem.

2,384,360

SWIVEL PIPE COUPLING

Frank M. Allen, Azusa, and Clyde B. Taylor, Long Beach, Calif., assignors to The All-Flex Corporation, Los Angeles, Calif., a corporation of California

Application February 9, 1942, Serial No. 430,066
6 Claims. (Cl. 285—97.3)



1. In a swivel pipe coupling, a female coupling element comprising a body portion having a bore and a counterbore and a gland disposed within said counterbore and having a shoulder thereon spaced from the bottom of said counterbore to provide a packing recess therebetween, a male coupling element extending through said gland and into said packing recess, means connecting said male coupling element said gland for free rotary movement with respect thereto and retaining said male element against axial movement therein, and packing means disposed within said recess and making sealing engagement with both of said coupling elements, a portion of said male coupling element defining a wall of said packing recess being relieved to decrease the area of contact between said male coupling element and said packing means.

2,384,361

RECOVERY OF COPPER HALIDES

James L. Amos, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application May 7, 1941,
Serial No. 392,309

3 Claims. (Cl. 23—97)

1. In a method of obtaining a cuprous halide from a solution containing cuprous halide together with a hydro-halide of a compound selected from the class consisting of ammonia and amines, the steps which comprise mixing the solution at a temperature of from -10° to 100° C. under autogenous pressure with from 1.9 to 12 mols of a liquid diolefin for each mol of cuprous halide in the solution to precipitate a complex compound of the cuprous halide and the diolefin, separating the precipitate so formed and dissociating the separated complex compound to regenerate the diolefin and the cuprous halide.

2,384,362

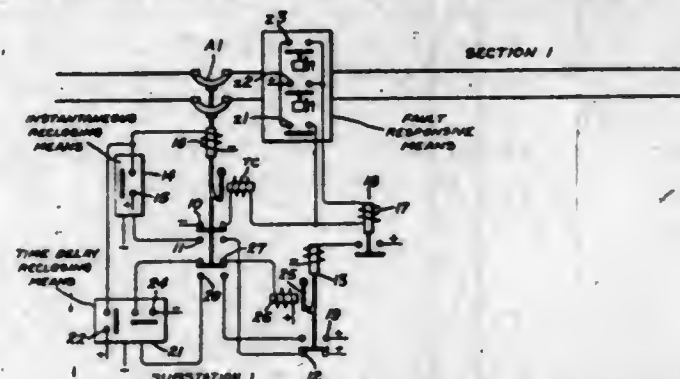
AUTOMATIC RECLOSING CIRCUIT BREAKER SYSTEM

Arvid E. Anderson, Haverford Township, Delaware County, Pa., assignor to General Electric Company, a corporation of New York

Application June 23, 1942, Serial No. 448,089
24 Claims. (Cl. 175—294)

1. A control arrangement for a circuit breaker in an electric circuit comprising means responsive to a fault on said circuit for effecting the opening of said circuit breaker after a time in-

terval dependent upon the location of the fault on said circuit, and means controlled by said

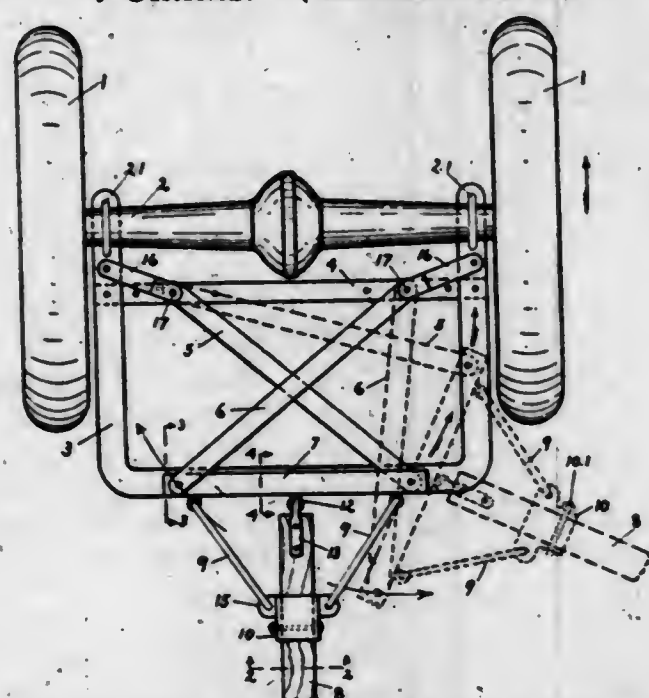


fault responsive means for effecting the initial reclosure of said circuit breaker after different time intervals.

2,384,363

VEHICLE HITCH

Charles Russell Bingham, Davenport, Iowa
Application October 5, 1944, Serial No. 557,298
7 Claims. (Cl. 280—33.44)

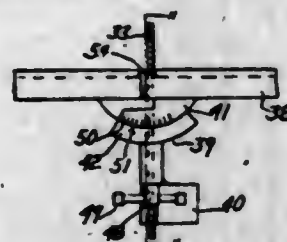


1. A hitch for a tractor having a rear axle and a trailer having a tongue, comprising a support united to the axle extending rearwardly, a crossbar upon the support parallel to the axle and spaced as closely thereto as the axle housing permits, a pair of rigid oblique bars crossing each other to the rear of the crossbar with their front ends pivotally attached to the crossbar and their rear ends pivotally attached to opposite ends of a transverse draft bar, and means secured to the draft bar to attach and hold the front end of the tongue of the trailer.

2,384,364

BAND SAW

William B. Boice and John E. Boice, Toledo, Ohio
Original application July 11, 1941, Serial No. 402,014. Divided and this application September 15, 1943, Serial No. 502,713
2 Claims. (Cl. 143—132)



2. In a band saw; a base element; a table; a pair of trunnions to support said table on said base, said trunnions each including a boss fixed to said table and a wear plate secured to said boss, said wear plate being wider than said boss

and constituting a flange and means complementary to the wear plate secured to said base; a lock bolt having a counter-sunk washer thereon engaging said flange with said bolt extending through said complementary means; said table having a saw slot therein arranged parallel to and laterally displaced from the axis of tilt of said table; a plate substantially centrally disposed in said table between said trunnions having a saw slot therein normally in alignment with the axis of tilt of said table, said plate rotatable in order to bring its slot into registry with said table slot; the boss of one of said trunnions being in the form of a segment of a circle whose free end terminates substantially adjacent said table slot; and the band saw when passed through said table flexed about said segmental boss to enable it to pass said boss and to enter said slot in said plate when said plate slot is in registry with said table slot.

2,384,365

MANUFACTURE OF 2,4-DINITRO-6-CYCLOHEXYL-PHENOL

Joseph W. Britton and Robert C. Dosser, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application October 30, 1943, Serial No. 508,386

5 Claims. (Cl. 260—619)

1. In a method for making 2,4-dinitro-6-cyclohexyl-phenol, the step of reacting an ortho-cyclohexyl-phenol sulphonic acid with ammonium nitrate in the presence of water as a reaction medium.

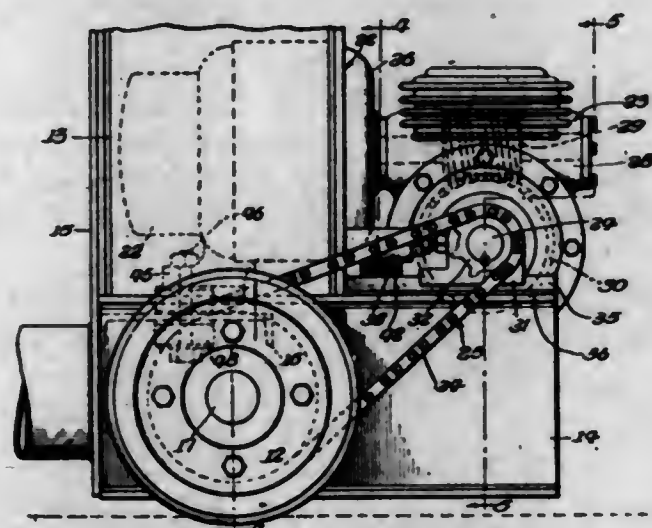
2,384,366

TRUCK DRIVING MECHANISM

Murray G. Clay, Chicago, Ill., assignor to The Beardsley & Piper Company, Chicago, Ill., a corporation of Illinois

Application July 9, 1943, Serial No. 493,977

3 Claims. (Cl. 105—101)



1. Driving mechanism adapted for use in connection with a supporting structure having a rotatable element thereon, and comprising a bearing disposed adjacent the element and mounted on the structure to move to and from said element, an assembly embodying an electric motor, a speed reducing unit connected for drive by the motor, and a drive shaft connected for drive by the unit and journaled in the bearing, and movable as a unit with said bearing and also tiltable about the axis of the shaft, a chain and sprocket driving connection between the shaft and the element, and a mount between the supporting structure and the assembly arranged to permit movement of the assembly in connection with movement of the bearing and also yieldingly to limit tilting of the assembly in either direction.

2,384,367

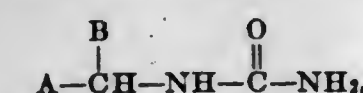
UREA-FORMALDEHYDE COMPOSITION

David E. Cordier, Toledo, Ohio, assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company, a corporation of Ohio

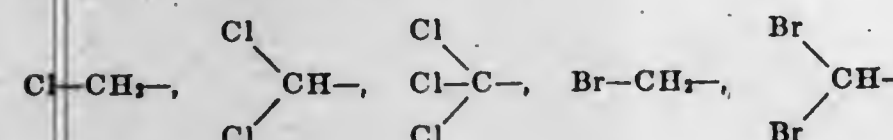
No Drawing. Application February 22, 1943, Serial No. 476,779

4 Claims. (Cl. 260—9)

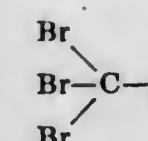
1. A thermosetting composition comprising a urea-formaldehyde reaction product and a latent curing catalyst having the general formula



in which A is a monovalent radical selected from the group consisting of



and



and B is a monovalent radical selected from the group consisting of H and OH.

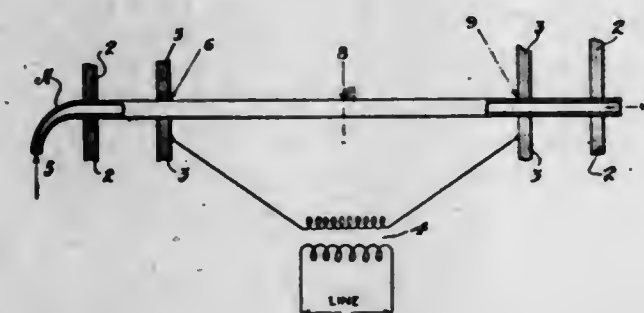
2,384,368

COMBUSTION OF HALOGENATED ORGANIC VAPORS

Harold W. Crouch, Rochester, N. Y., and Henry Emanuel Stauss, Millburn, N. J., assignors to Baker & Company, Inc., Newark, N. J., a corporation of New Jersey

Application April 15, 1943, Serial No. 483,216

5 Claims. (Cl. 23—219)



1. The method of burning halogenated organic vapors adapted upon combustion to liberate halogen, comprising heating and burning a gaseous mixture of such halogenated vapor and air in a combustion vessel of platinum alloy of 70% to 99% platinum and 1% to 30% of at least one metal of the group consisting of rhodium, iridium, and ruthenium.

2,384,369

REACTION PRODUCTS OF AN ALDEHYDE AND A TRIAZOLE DERIVATIVE

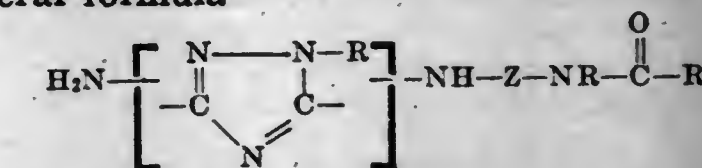
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Application December 26, 1942, Serial No. 470,219

20 Claims. (Cl. 260—42)

1. A composition of matter comprising the product of reaction of ingredients comprising an

aldehyde and a compound corresponding to the general formula



where R represents a member of the class consisting of hydrogen and monovalent hydrocarbon radicals, R' represents a monovalent hydrocarbon radical, and Z represents a member of the class consisting of divalent aromatic and nuclearily halogenated aromatic hydrocarbon radicals.

2,384,370

MAGNESIUM-BASE RARE EARTH ALLOYS

Charles de Rohden, Neuilly-sur-Seine, France; vested in the Alien Property Custodian

No Drawing. Application March 29, 1940, Serial No. 326,724. In France April 21, 1939

2 Claims. (Cl. 75—168)

1. A light magnesium alloy having improved resistance to corrosion from sea-water, which contains approximately two per cent of manganese, four-tenths per cent of calcium, from five to nine percent of a misch metal substantially free of cerium and the remainder magnesium.

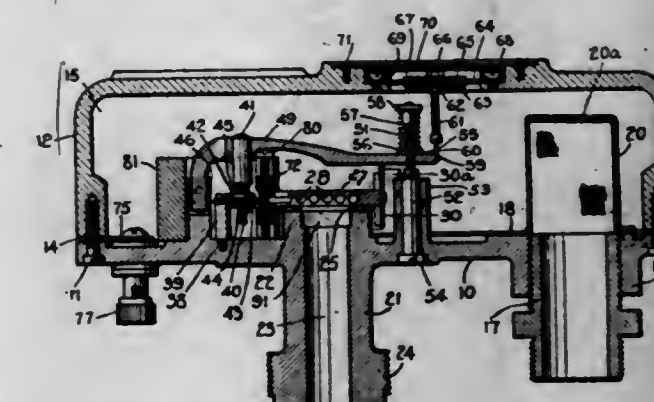
2,384,371

SOUND REPRODUCING AND AMPLIFYING DEVICE

Charles F. Dilks, South Norwalk, Conn.

Application May 28, 1941, Serial No. 395,519

8 Claims. (Cl. 179—108)



7. An improved valve for sound amplifying devices, comprising a relatively thick rectangular body, a plurality of closely spaced parallel arranged slots cut into one face, only, of said body and extending longitudinally thereof and a plurality of relatively closely spaced holes drilled through the body from side wall to side wall thereof and intersecting with the slots whereby the material of the body between successive slots forms bars integral with the body.

2,384,372

TIME AND CONDITION RESPONSIVE INTER-LOCKING CONTROL SYSTEM

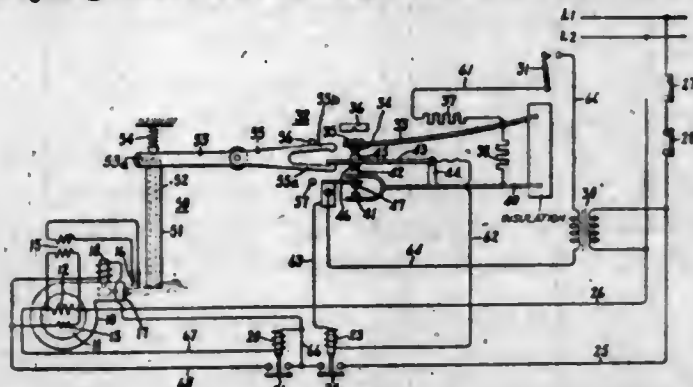
John Eaton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application July 1, 1943, Serial No. 493,008

14 Claims. (Cl. 175—320)

1. A control system having, in combination, an electroresponsive main control device having an energizing circuit, a thermal timer having electrical heating means connected in said circuit to be energized upon energization of said device, variable sequence multi-circuit switching mechanism operable by said timer and provided with both lockout circuit connections for deenergizing said device at the end of a predetermined heating

period and maintaining circuit connections for maintaining said heating means effectively energized to maintain said lockout connections effective thereafter, and condition responsive means for varying said switching mechanism to render



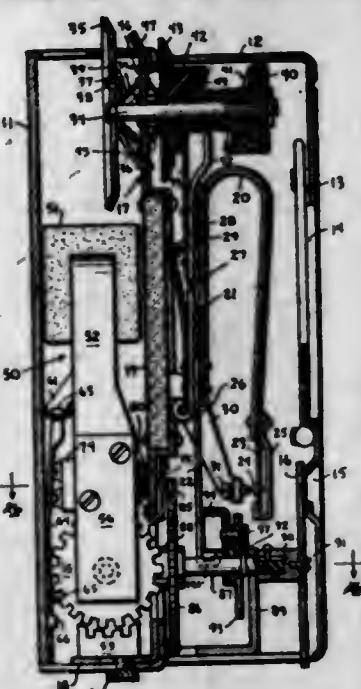
said lockout connections ineffective and said maintaining circuit connections effective to maintain said device and said heating means jointly energized after said period upon the occurrence of a predetermined condition during said period.

2,384,373

TIME MECHANISM

John L. Harris, Milwaukee, Wis., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware. Original application December 30, 1939, Serial No. 311,799, now Patent No. 2,341,774, dated February 15, 1944. Divided and this application December 31, 1942, Serial No. 470,797.

6 Claims. (Cl. 161-1)



1. In a time controlled thermostat in combination, a casing having a first portion adapted to be mounted in a recess in a wall or the like, timing mechanism in said first portion, said casing having a second portion in front of said first portion, thermostatic means in said second portion, means whereby said timing mechanism adjusts said thermostatic means, said timing mechanism including a reciprocating member extending between said portions and rotatable means in the second portion operable by said reciprocating member for adjusting the thermostat at predetermined times.

2,384,374

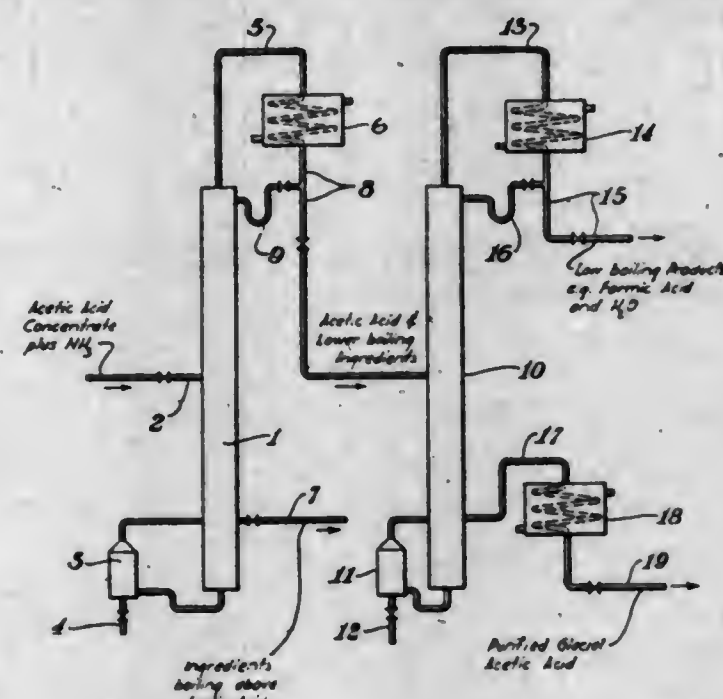
RECOVERY OF ACETIC ACID IN PURIFIED FORM

Robert R. Harrison, Marquette, Mich., assignor to Cliffs-Dow Chemical Company, Marquette, Mich., a corporation of Michigan. Application May 1, 1942, Serial No. 441,288.

8 Claims. (Cl. 202-57)

1. In a method for the recovery of substantially pure glacial acetic acid from acetic acid concen-

trate wherein the latter is treated with a minor amount of a compound selected from the class consisting of basic nitrogen compounds having at least 2 hydrogen atoms linked with the nitrogen and salts of such basic nitrogen compounds and weak acids, the steps which consist in feeding the so-treated material in continuous manner to a fractionating column wherein it is fractionally



distilled to cause immediate separation of a mixture of acetic acid and lower-boiling ingredients from the components boiling higher than acetic acid and to obtain such mixture of acetic acid and lower-boiling ingredients as distillate, redistilling the distillate to distill off the ingredients of lower boiling point than acetic acid, vaporizing acetic acid from the residue and condensing the vapors.

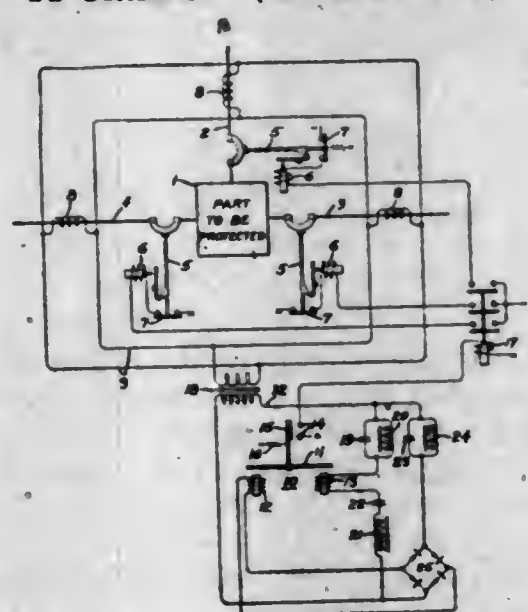
2,384,375

PROTECTION OF ELECTRIC SYSTEMS

Claude D. Hayward, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York.

Application June 6, 1940, Serial No. 339,096

44 Claims. (Cl. 175-294)

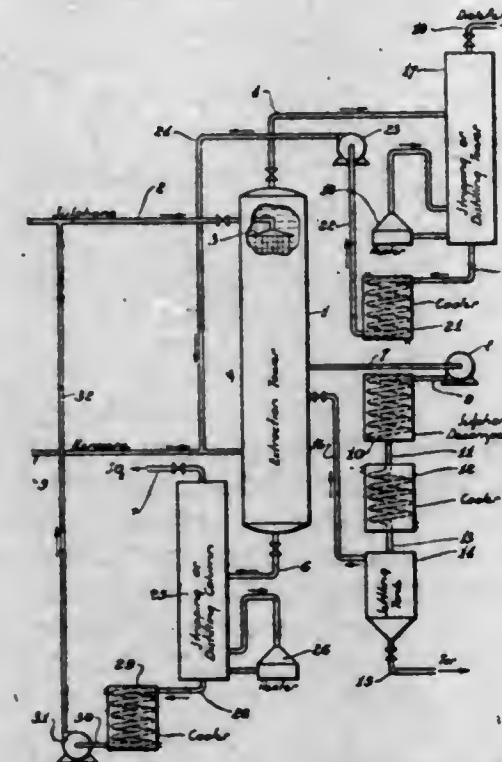


1. In a protective arrangement for an electric system having a part into and out of which alternating currents flow, current transforming means for deriving an alternating current dependent on the currents flowing into and out of said part, a device to be operated, and means for controlling said device in accordance with a comparison of only two effects one dependent on the fundamental of said derived current and the other dependent on at least one of the harmonics of said derived current and substantially independent of the fundamental thereof.

2,384,376
RECOVERY OF SULPHUR DIOXIDE AND DIOLEFINS FROM SULPHONES

George M. Hebbard, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan. Application November 3, 1941, Serial No. 417,673.

7 Claims. (Cl. 23-178)



1. In a method wherein a sulphone of a conjugated diolefin is thermally decomposed to form sulphur dioxide and the diolefin, the step which consists in carrying the reaction out in the presence of a selective solvent for the diolefin having relatively little solvent action for sulphur dioxide and at a pressure sufficient to liquefy the mixture.

7. In a method for recovering sulphur dioxide and butadiene from the corresponding sulphone, the steps which consist in passing a mixture of the sulphone and at least two times its weight of a normally liquid paraffinic fraction of petroleum in turbulent flow and at a pressure sufficient to liquefy the mixture through a heating zone wherein it is heated to a reaction temperature between 120° and 150° C. and the sulphone is at least partially decomposed into sulphur dioxide and butadiene, cooling the resultant liquefied mixture to a temperature below 120° C. and while maintaining it at a liquefying pressure introducing the mixture near the midsection of an extraction tower while introducing an additional quantity of the liquid petroleum fraction near the bottom of the tower and an additional quantity of the liquefied sulphone near the top of the tower in such manner as to cause said petroleum fraction and the liquefied sulphone to flow countercurrently through the tower, continuously withdrawing the resultant solution of sulphur dioxide and sulphone from the bottom of the tower and continuously withdrawing the solution of butadiene and the petroleum fraction from the top of the tower, and vaporizing a reaction product from at least one of the solutions thus obtained.

2,384,377

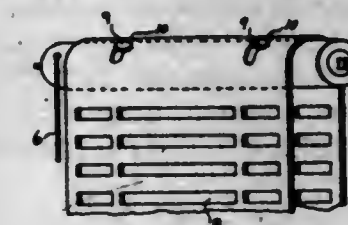
COMBINATION SLIDING AND ROLLING LIGHT SCREEN

Frederick W. Holstein, Westfield, N. J. Application August 2, 1943, Serial No. 496,996.

8 Claims. (Cl. 160-85)

1. As an article of manufacture, a shade comprising symmetrical portions spaced from each

other and each provided with spaced openings and in the space between said portions provided



with one or more slots extending longitudinally of the shade adapted for the passage there-through of fastening members.

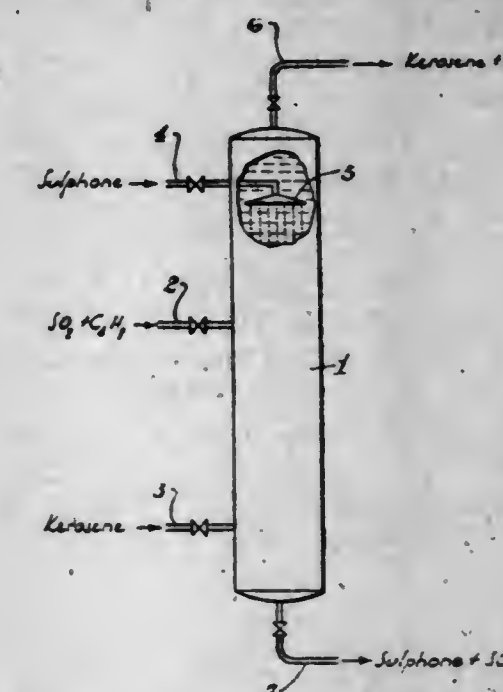
2,384,378

SEPARATION OF SULPHUR DIOXIDE AND LOW-BOILING HYDROCARBONS FROM MIXTURES THEREOF

George W. Hooker and Franc A. Landee, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan.

Application November 3, 1941, Serial No. 417,676.

4 Claims. (Cl. 23-178)



1. In a method for separating sulphur dioxide from a normally gaseous mixture thereof with at least one low boiling aliphatic hydrocarbon having not more than 5 carbon atoms in the molecule, the steps which consist in passing a normally liquid paraffinic hydrocarbon extractant upwardly through a tower and a liquefied organic sulphone extractant downward through the tower counter to the liquid paraffinic hydrocarbon, while at the same time passing said mixture of sulphur dioxide and the low boiling hydrocarbon into the tower at a point where the extractants are in counter-flow to one another, the mixture within the tower being at a superatmospheric pressure sufficient to liquefy the same, whereby sulphur dioxide is selectively absorbed by the sulphone and the low boiling hydrocarbon is selectively absorbed by the paraffinic hydrocarbon extractant and the resultant extracts are caused to separate from one another.

2,384,379

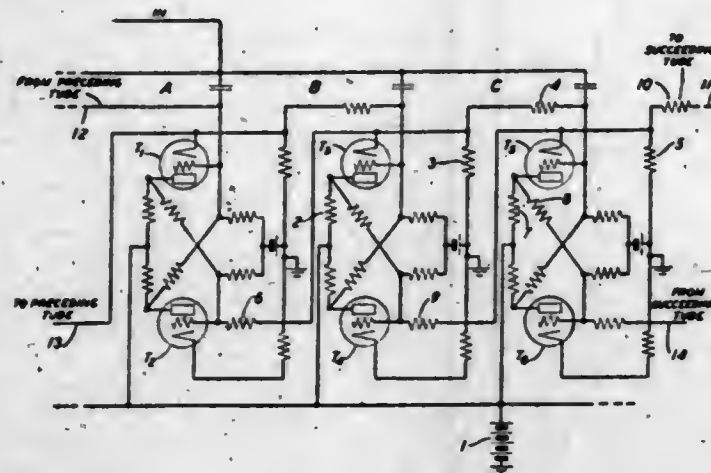
ELECTRICAL IMPULSE COUNTING CIRCUITS

Sydney B. Ingram, Fairlawn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York. Application March 13, 1943, Serial No. 479,139.

3 Claims. (Cl. 250-27)

3. In an impulse counting arrangement comprising a sequential plurality of vacuum tube trigger circuits connected in a closed ring, each trigger circuit employing a pair of thermionic

vacuum tubes arranged in such a manner that an increase in plate current in one tube of a pair will drive the potential of the grid of its companion tube below cut-off thereby decreasing the plate current therein, means for simultaneously applying the pulses to be counted to the first tube grid of all trigger circuit pairs, means responsive

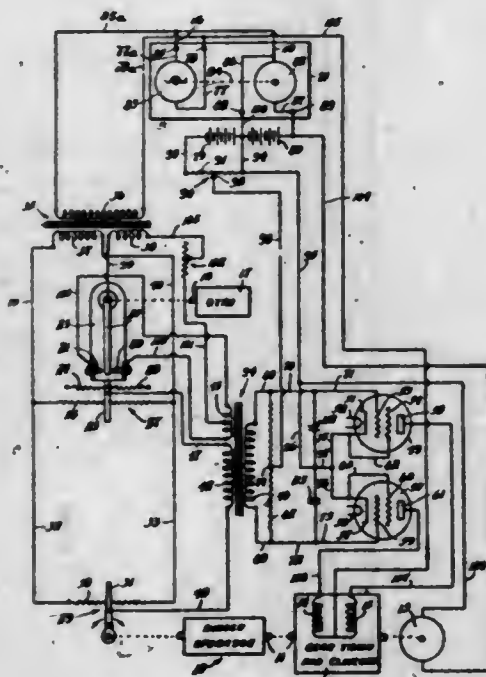


to a predetermined current flowing in the anode-cathode circuit of any first tube to apply a positive potential to the grid of the succeeding first tube to raise its potential just short of the critical potential thereof and to raise the potential of the grid of the companion of the preceding first tube to its critical potential value.

2,384,380

CONTROL MECHANISM

Siegfried G. Isserstedt, Toronto, Ontario, Canada, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 26, 1943, Serial No. 486,669
20 Claims. (Cl. 172-282)

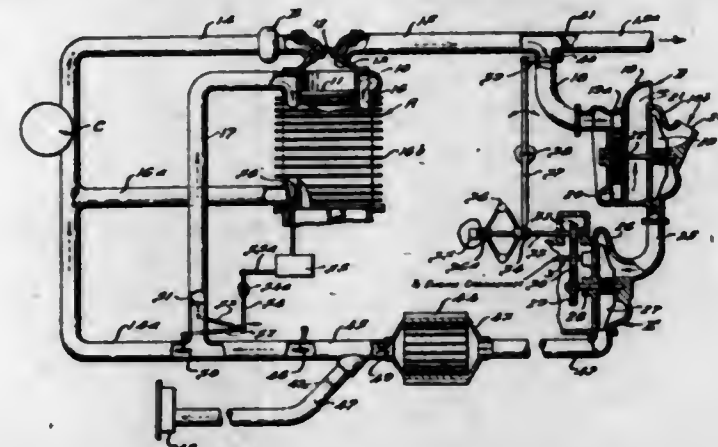


1. In flight control mechanism for aircraft having a control surface movable with respect to said aircraft, operating means for positioning said control surface, means responsive to the attitude of said aircraft, means operatively connected to said attitude responsive means and effective upon a substantial deviation in the attitude of the aircraft to cause said operating means to be moved an amount proportional to the magnitude of said deviation, and further means operatively connected to said attitude responsive means and effective upon a slight deviation of said aircraft from the desired attitude to cause said operating means to be adjusted by a fixed amount.

2,384,381

AIRCRAFT ENGINE

Douglas L. Jocelyn, Detroit, Mich., assignor of fifty per cent to Dorothy G. Jocelyn, Detroit, Mich.
Application January 2, 1943, Serial No. 471,154
12 Claims. (Cl. 123-119)



1. In an internal combustion engine, a cylinder having a reciprocable piston and a cooling jacket surrounding the cylinder, an air intake conduit leading to the combustion chamber of the cylinder, a second air intake conduit communicating with said first conduit and leading to said jacket, valve means for diverting air from said first conduit into the second conduit and thence to said jacket to cool the cylinder, and a third conduit for conducting the air from said jacket to the cylinder combustion chamber.

2,384,382

HOSIERY RUN INHIBITING PREPARATION

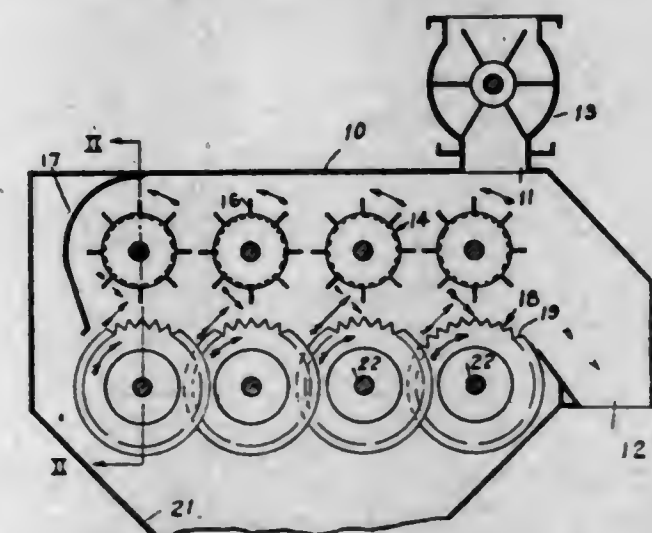
Frank F. Lindstaedt, San Anselmo, Calif.
Application May 12, 1944, Serial No. 535,315
4 Claims. (Cl. 106-219)

1. A run inhibiting preparation for sheer hosiery and having a run load characteristic of at least 2½ pounds, consisting of zinc resinate, ammonia, water and an organic water-soluble solvent for the zinc resinate consisting of the group of isopropyl alcohol and acetone, said preparation having a sufficient amount of ammonia to convert the zinc resinate into a water soluble complex.

2,384,383

COTTON CLEANER

Lucien L. McDaniel and Frank E. Deems, Birmingham, Ala., assignors to Continental Gin Company, a corporation of Delaware
Application July 31, 1944, Serial No. 547,371
7 Claims. (Cl. 19-93)



4. In a cotton cleaner, a lower row of horizontally disposed rotary cylinders having agitating elements thereon, an upper similar row of cylinders parallel to the lower row with the agitat-

ing elements of one row vertically spaced with respect to the elements on the other row, means to drive the respective rows of cylinders in opposite directions whereby to toss the cotton upwardly and downwardly, back and forth, between the rows as they are rotated, the elements on the lower row being closely spaced to form a screen.

2,384,384

POLYMERIC SILICONE AND METHODS OF MAKING IT

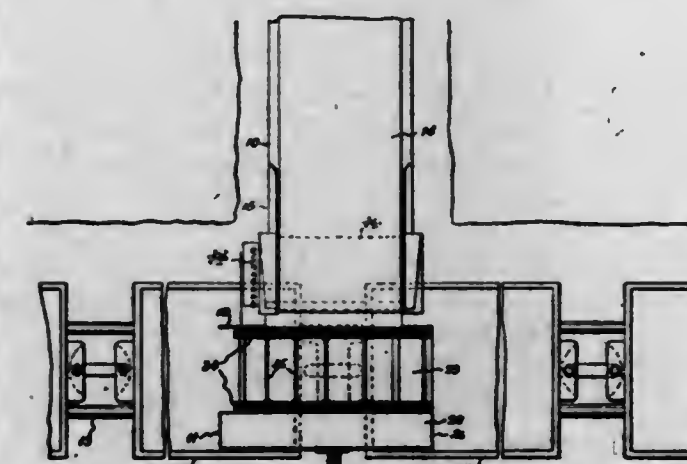
Rob Roy McGregor, Verona, and Earl L. Warrick, Pittsburgh, Pa., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application February 26, 1942, Serial No. 432,530
8 Claims. (Cl. 260-607)

1. The method of preparing liquid polymeric dimethyl silicone which comprises reacting dimethyldiethoxy silicane dissolved in ethyl alcohol with water in the presence of an acid catalyst, said reaction being carried out at the reflux temperature of the mixture and for at least one hour, and then recovering the liquid polymeric dimethyl silicone from the reaction products.

2,384,385

CAR LOADING CONVEYER

John R. Madeira, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 30, 1943, Serial No. 516,159
5 Claims. (Cl. 214-42)

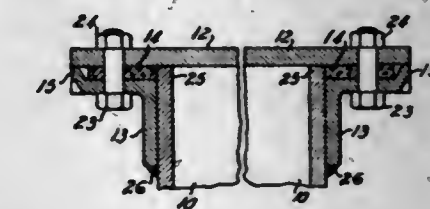


1. In an apparatus for loading cars in mines, a main line conveyer extending along a mine passageway transversely to a mine trackway and having a discharge end disposed above said mine trackway, for loading material into cars on said trackway, and means for continuously transferring material from said conveyer into said cars during movement of said cars along said trackway, with a minimum amount of spillage, including a relatively short rapidly reversible transfer conveyer mounted on and disposed beneath the discharge end of said main line conveyer and extending transversely thereof, means for driving said transfer conveyer from said main line conveyer, said drive means including a reverse drive connection to said transfer conveyer including a pair of selectively operable friction clutches, operable to rapidly reverse the direction of travel of said transfer conveyer during travel of said main line conveyer in one direction, to enable the operator to rapidly reverse the direction of travel of said transfer conveyer while transferring the loading of material from one car to the other, so as to load onto the empty car during this transition period without spilling.

2,384,386

GASKETED JOINT

Carl G. Malmberg, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application June 28, 1941, Serial No. 400,158
3 Claims. (Cl. 220-46)



1. In combination, two relatively joining members comprising a receptacle provided with an opening therein and a cover for said opening, a continuous flange on one of said members surrounding said opening, gasket material between said members, fastening means for forcing said members together and for compressing said gasket material, and means for spacing said members and for limiting compression of said gasket material to a predetermined value, said last named means comprising stops in the form of spaced portions of one of said members integral therewith and projecting from one side thereof in the form of protuberances having corresponding indentations at the opposite side of said member, said protuberant stops being positioned within the perimeter of said flange.

2,384,387

TREATMENT OF UREA-FORMALDEHYDE RESIN FOAM

Leonard S. Meyer, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 4, 1943, Serial No. 512,973
3 Claims. (Cl. 18-48)



1. A method of imparting strength and resilience to a hardened urea-formaldehyde resin foam that comprises substantially reducing the volume of the foam by compressing at a temperature high enough to render the foam sufficiently plastic so that it is not disintegrated by the compressing operation.

2,384,388

MODIFIED WHOLE CORN PROTEIN AND METHOD OF PREPARING SAME

Richard Nicholas Monte, La Grange, and Jacob B. Gottfried, Chicago, Ill., assignors to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application July 1, 1943, Serial No. 493,070
2 Claims. (Cl. 260-112)

1. The process of preparing a modified whole corn protein from corn gluten which contains starch and at least about 50% of proteinaceous material, which comprises subjecting the gluten to oil and color extraction with a mixture of about 80% of a hydrocarbon solvent, about 10% of a low boiling aliphatic alcohol and about 10% of water, at a temperature not exceeding about 90° F. thereafter suspending the gluten in water to form a slurry, adding thereto sufficient mineral acid to establish acidity of the slurry at a pH corresponding to 0.6 normal in the case of hydro-

chloric acid, subjecting the acidified slurry to heat treatment at a temperature of 160°-200° F. for 45-15 minutes, adjusting the pH to about 5.5 to about 6.0, and recovering the modified protein from the treated slurry.

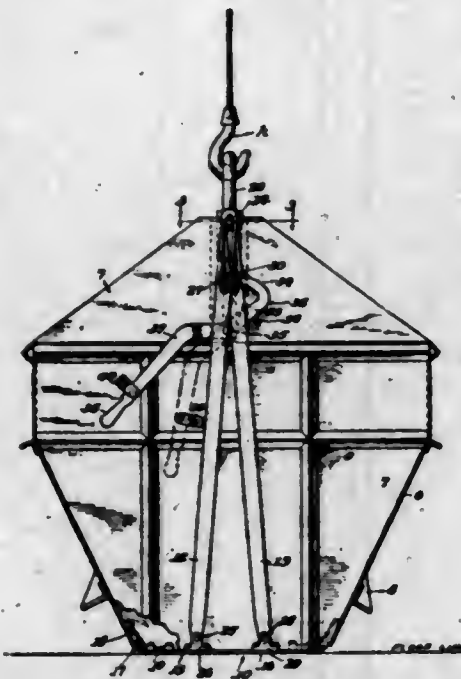
2,384,389

PORTABLE HOPPER

James W. Moore, Norfolk, Va., assignor to The Beardsley & Piper Company, Chicago, Ill., a corporation of Illinois

Application May 11, 1944, Serial No. 535,101

1 Claim. (Cl. 294-71)



A portable hopper comprising an open top continuous side wall structure, a bottom hinged to the lower portion of the structure to swing upwards and downwards between closed and open positions, a horizontal bar extending across the upper portion of the structure, mounted slidably so that it is shiftable up and down to a limited extent relatively to said structure, and provided with means for attachment to a hoisting apparatus, an operating connection between the bar and the bottom arranged and adapted to swing the bottom upwards into its closed position in response to shift of the bar into its up position and to release the bottom for opening purposes in response to shift of the bar into its down position, and embodying a pair of rigid upstanding links having the lower ends thereof connected pivotally to the distal portions of the bottom and their upper ends connected to the ends of the bar so that they are capable of pivoting, and also sliding longitudinally to a limited extent, relatively thereto, and releasable means for locking the bar in its down position embodying a pair of latches mounted movably on the side wall structure, connected together for conjoint operation, and arranged so that they are adjacent to, and adapted to coact with, the ends of the bar.

2,384,390

BAKE OVEN

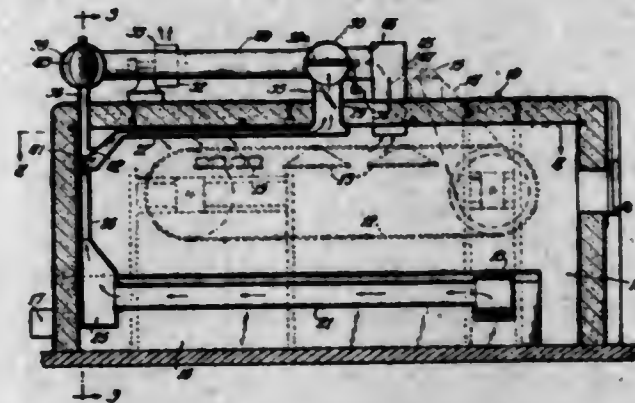
John R. Nalbach, Oak Park, and Adolph Haupt, Chicago, Ill., assignors to Middleby-Marshall Oven Co., Chicago, Ill., a corporation of Illinois

Application March 8, 1943, Serial No. 478,468

2 Claims. (Cl. 107-57)

1. A bake oven comprising a baking chamber, a longitudinally arranged fire tunnel in the lower part of the oven provided with heating means at one end and a transverse manifold at the other end thereof, a plurality of longitudinally arranged heating ducts extending from said manifold on

each side of said tunnel and terminating adjacent said first end of the oven, a gas receiving receptacle with which each of said ducts communicates and into which said ducts discharge hot gases received from said manifold, a plurality of vertical ducts extending from said receptacle along said first mentioned end of the oven, upper horizontal ducts each communicating with one of said vertical ducts and disposed adjacent the upper wall of the chamber, exhaust flues for each of said upper ducts extending through the top



of the oven, a gas induction means connected to each of said flues for inducing flow of gases through said upper ducts from said receptacle for reducing the gas pressure in the latter and inducing a substantially uniform flow of gas through said lower ducts to provide uniformity of heat release in the bottom portion of the oven, and valve means for each of said gas exhaust flues adapted to be adjusted from the exterior of the oven for varying the rate of gas flow through said upper ducts for controlling the release of heat in the upper part of the oven.

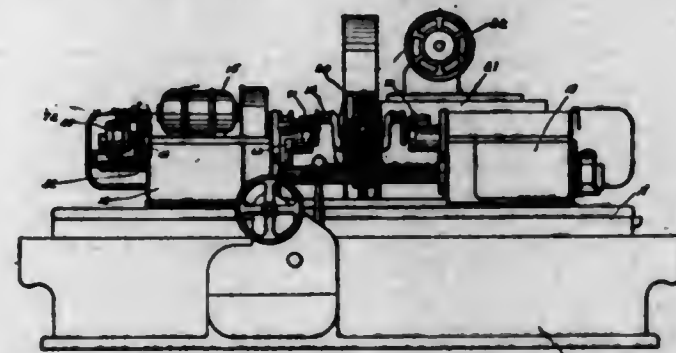
2,384,391

CLAMPING FIXTURE

Conrad L. Ott, Detroit, Mich., assignor to Landis Tool Company, Waynesboro, Pa.

Application September 11, 1942, Serial No. 458,032

2 Claims. (Cl. 51-237)



1. In a metal working machine, a work supporting and rotating member, including a spindle supported in spaced bearings, a clamping fixture on said spindle, power means for operating said clamping fixture including a fluid pressure operated motor also mounted on said spindle, means for introducing fluid under pressure to said bearing, and passages in said spindle for conducting said fluid to said motor.

2,384,392

KNITTED FABRIC

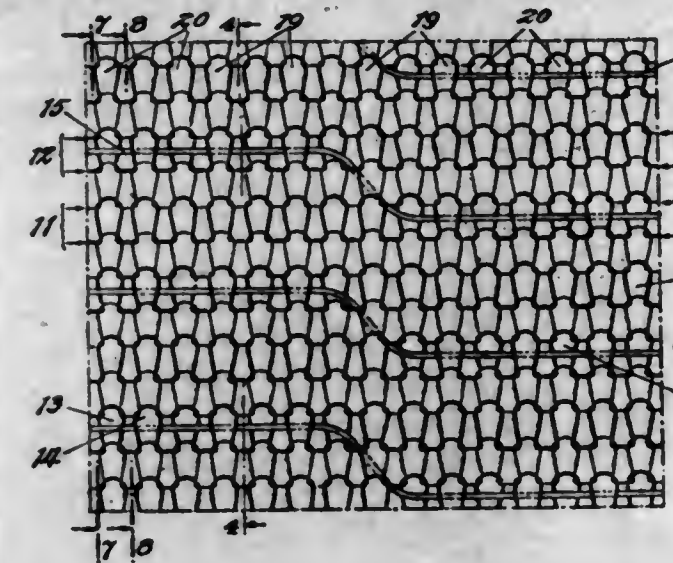
Albert E. Page, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts

Application October 28, 1942, Serial No. 463,690

9 Claims. (Cl. 66-172)

1. A knitted stocking having a self-sustaining top composed of not more than two plain courses in repeated alternations with not less than two or more than three courses of rib fabric, in com-

bination with an elastic thread enclosed in each group of rib courses, whereby spaced protuber-



ances are formed on the back of the fabric in the plain courses to make the top self-sustaining.

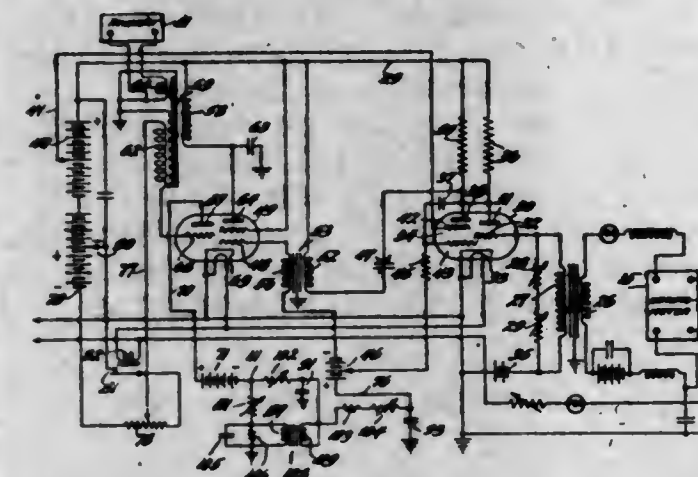
2,384,393

STABILIZER FOR AUTOMATIC VOLUME CONTROL CIRCUITS

Josephus O. Parr, Jr., San Antonio, Tex., assignor to Olive S. Petty, San Antonio, Tex.

Application August 4, 1943, Serial No. 497,371

9 Claims. (Cl. 179-171)



1. In apparatus for use in seismic surveying employing a seismometer for converting incoming seismic energy into electrical wave form signals, the combination with means for amplifying and recording such signals, said amplifying means including thermionic valve amplifiers, of means for applying to a control grid of at least one of said amplifiers a bias voltage varying automatically in response to variation in amplitude of incoming energy so as to maintain the major portion of the record within usable amplitude limits, said last named means including devices deriving the bias voltage from the signal energy, and means operable by the signal energy for applying to said devices a pulsating voltage substantially in phase opposition with the ripple component of said charge and of comparable magnitude, whereby distortion of the record resulting from the feeding to the control grid of said ripple component is minimized.

2,384,394

FLOW CONTROL VALVE

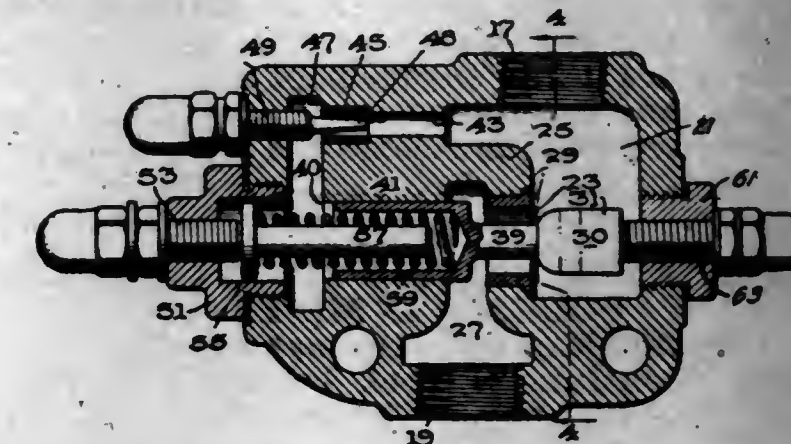
Willis A. Patton, Cleveland, Ohio, assignor to Hydraulic Control Engineering Company, Cleveland, Ohio, a corporation of Ohio

Application September 28, 1943, Serial No. 504,156

12 Claims. (Cl. 138-43)

1. In a fluid pressure flow control valve adapted to remain fully open to flow in one direction and to control the rate of flow in the other, a housing provided with two fluid chambers joined by a

restricted passage, a sliding valve plug controlling the flow of fluid through said passage, an adjustable spring loading means engaging and normally holding said valve plug in open position and



a branch passageway leading from one of said chambers to the end of the valve plug engaged by said adjustable spring means to apply pressure thereto.

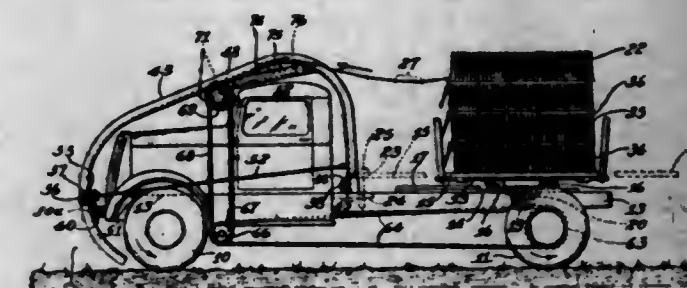
2,384,395

APPARATUS FOR LAYING MATS ON LANDING FIELDS

Charles H. Payne, Melbourne, Fla., assignor to Oscar F. Arthur, Belle Vernon, Pa.

Application April 3, 1942, Serial No. 437,537

9 Claims. (Cl. 94-39)



9. Apparatus for laying mats on terrain, in advance of vehicle wheels, which comprises the combination with a vehicle of means thereon for supporting a mat, and means for guiding the mat to points forwardly of the wheels as it is drawn from the vehicle through forward movement of the vehicle when its wheels are upon a forward portion of the mat.

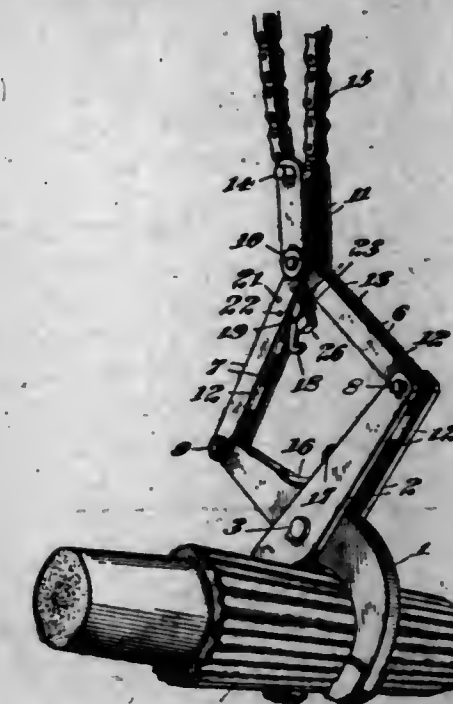
2,384,396

INGOT TONGS

Frank Peyer, Bethlehem, Pa.

Application November 23, 1944, Serial No. 564,741

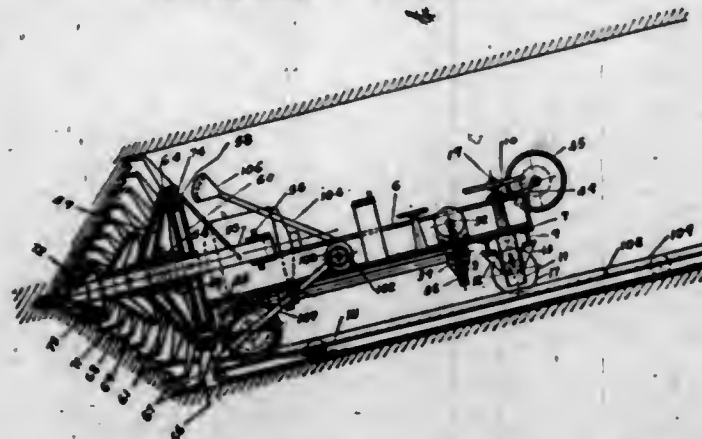
3 Claims. (Cl. 294-110)



1. A lifting device comprising, in combination, suspension means, a pair of tongs pivoted together, diagonal links connecting the suspension

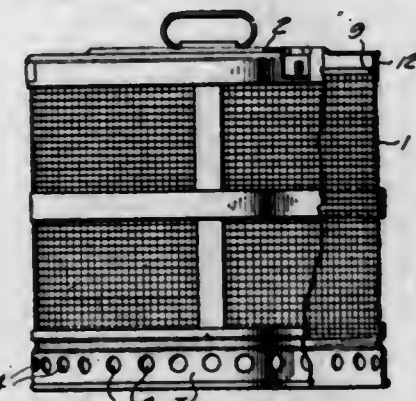
means with the tongs, a fixed hook positioned upright on one member of the pair of tongs, a latching hook pivoted to one of the diagonal links, a swinging hook pivoted to the suspension means engageable with the upright hook and having an inclined face adapted to permit the standing hook to divert it into engagement with the latching hook, and a latching lever adapted to slide over the fixed hook to release the swinging hook.

2,384,397
MACHINE FOR DRIVING SLOPES AND AIR
COURSES IN MINES
 Erskine Ramsay, Birmingham, Ala.
 Application June 24, 1944, Serial No. 542,019
 2 Claims. (Cl. 262-7)



1. In a mining machine, a main frame, means mounted on the frame for supporting and propelling the machine, cutting mechanism mounted on the frame, projecting forwardly from the machine and rotating about a horizontal axis to cut a cylindrical course, and other cutting mechanism mounted on the frame, projecting laterally from the machine and rotating about a horizontal axis to cut ventilating cross passages.

2,384,398
STERILIZING CONTAINER
 Carl B. Raven, Halsingborg, Sweden, assignor to Ingenjorsfirma Viggo Aktiebolag, Halsingborg, Sweden, a corporation of Sweden
 Application June 22, 1943, Serial No. 491,821
 In Sweden June 20, 1942
 17 Claims. (Cl. 21-91)

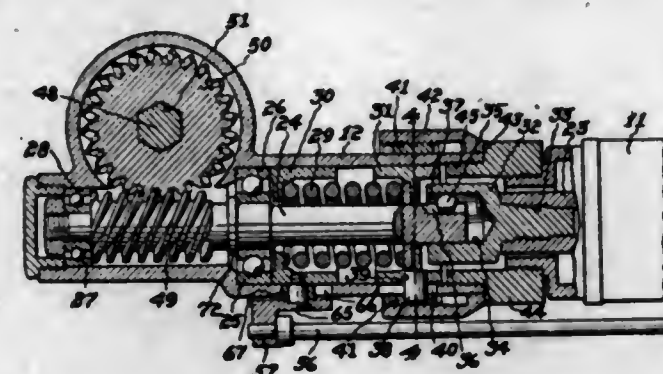


1. A sterilizing container comprising an outer casing having a perforated lateral wall and a bottom, a lid for closing said casing, a basket of perforated material removably supported in said casing, and a bag of germ-tight material permitting the passage of fluids therethrough and removably mounted between said casing and said basket.

2,384,399
WRENCH
 Harold C. Reynolds, Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
 Application August 31, 1944, Serial No. 552,025
 2 Claims. (Cl. 192-150)

1. A wrench including a casing, a motor within the casing, a shaft in said casing adapted to

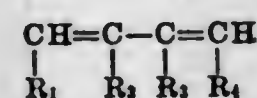
be driven by said motor and to be moved endwise of said motor by the torque thereof, a throttle valve for the motor, operative connections between said shaft and said valve to release the valve upon said endwise movement, a spring positioned about said shaft and adapted to resist said endwise movement and means to



adjust the compression of said spring including an abutment member within the casing, members extending through the casing to engage the abutment and to prevent rotation thereof, a threaded ring engaging the outer ends of said members, and an adjusting nut exteriorly of the casing for said ring abutting the casing.

2,384,400
TERPENE RESINS
 Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
 No Drawing. Application April 6, 1942, Serial No. 437,842
 13 Claims. (Cl. 260-92.6)

1. A resinous product of the copolymerization of an acyclic terpene having three double bonds per molecule and a material having the general formula:

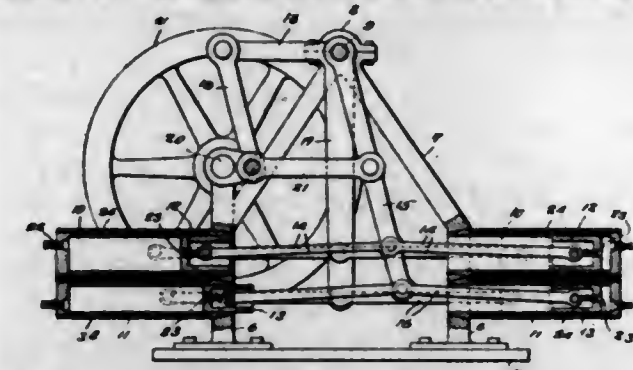


wherein R₁ is a member of the group consisting of hydrogen, halogen and alkyl radicals of not more than 2 carbon atoms; R₂ is a member of the group consisting of hydrogen, halogen, phenyl and alkyl radicals of not more than 7 carbon atoms; R₃ is a member of the group consisting of hydrogen, halogen and alkyl radicals of not more than 7 carbon atoms; and R₄ is a member of the group consisting of hydrogen and alkyl radicals of not more than 2 carbon atoms, said copolymerization being carried out in the presence of a metal halide catalyst of the Friedel-Crafts type at a temperature between about -60° C. and about +80° C. for a reaction period of from about 1 hour to about 400 hours and employing the terpene in an amount between about 5% and about 95% of the total weight of the reactants, said product characterized as being an alkali resistant resinous product having a melting point between about 50° C. and about 160° C.

2,384,401
INTERNAL-COMBUSTION ENGINE
 Michael Joseph Scanlon, Baltimore, Md.
 Application December 7, 1943, Serial No. 513,289
 1 Claim. (Cl. 123-54)

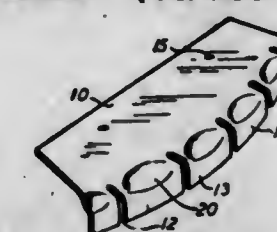
In an internal combustion engine, groups of upper and lower engine cylinders, pistons operating in the cylinders, connecting rods connected with the pistons, the cylinders of each group being arranged in parallel relation with respect to each other, said cylinders of one group

being in direct alignment with the cylinders of the opposite group, cylinder supports in which the cylinders are mounted, said cylinder supports including inclined bars connected at their upper ends providing shaft bearings, disposed above the inner ends of the cylinders, at a point on a vertical line drawn through the center of the space between the adjacent inner ends of the groups of cylinders, a horizontal shaft operating in said



bearings, a crank shaft disposed above the inner ends of the cylinders of one group, and being offset with respect to the horizontal shaft and opposite cylinders, walking beams mounted on the horizontal shaft, the lower ends of said walking beams being connected with the connecting rods of aligned pistons, and adapted to operate in substantially a horizontal line, and links connecting the walking beams to the crank shaft.

2,384,402
FLANGED METAL ARTICLE AND METHOD
OF MAKING SAME
 Andrew J. Schubert, Burbank, and Harry S. Adelman, Sherman Oaks, Calif., assignors to Lockheed Aircraft Corporation, Burbank, Calif.
 Application June 13, 1942, Serial No. 446,914
 5 Claims. (Cl. 189-34)

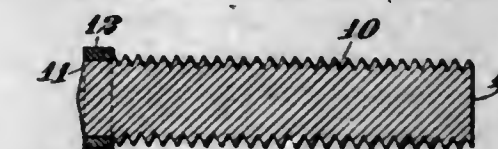


4. The method of bending and forming a convex flange on a sheet metal blank which comprises notching the convex flange area of the blank at intervals, placing the notched blank on a form block having a face and a flange-forming edge, extending the notched flange area of the blank beyond the flange bending line of the form block, applying a rubber press element to the blank and thereby holding the major portion of the blank against the face of the form block and pressing limited areas of the blank extending inwardly from the flange line out of the plane of the blank and thereby dishing small areas of the blank in merging relationship with the flange bending line, said areas being centered relative to the flange areas between notches while simultaneously pressing the flange area of the blank around the flange bending line of the form block and against the edge thereof, thereby bending and forming the convex flange and disposing the excess metal of the flange in the dished areas of the blank.

5. A convexly flanged sheet metal article having an appreciable flat plate area adjacent and approximately normal to the convex flange, said convex flange having notches at intervals along its length and the flat plate area of the article having radially fluted areas merging into the flange between the notches thereof, the radially fluted areas being deepest at the flange and tapering out at an angle to the plane of the flat plate area of the article whereby to merge into said area.

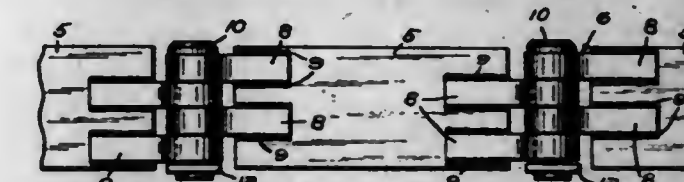
2,384,403
STUD

Robert E. Somers, Hellertown, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
 Application February 8, 1943, Serial No. 475,131
 4 Claims. (Cl. 85-1)



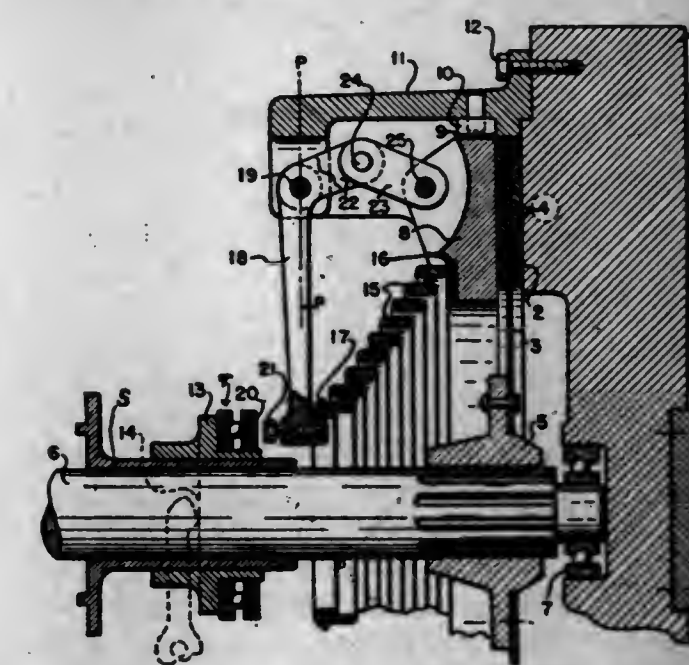
1. A stud adapted to be end welded comprising a body portion, a current receiving end portion, a welding end portion, and a flux coating on said body portion adjacent said welding end portion.

2,384,404
STRAP FOR CARGO LASHING EQUIPMENT
 George C. Soule, South Portland, Maine, and Willard Cote, Detroit, Mich.
 Application December 18, 1944, Serial No. 568,690
 3 Claims. (Cl. 24-265)



1. A strap for a cargo lashing device or the like to be pivotally connected to another lashing device having an eye, said strap comprising a blank, a set of loop members on opposite end portions of said blank, each of said loop members including an eye establishing portion and a pair of arms spaced to receive an end portion of said blank between them and welded to opposite surfaces of said blank, the loop members of each set being disposed with their eyes in alignment and spaced to receive between them the eye of said other lashing device, a pivot insertable through the eyes of said devices when aligned, and a detachable locking member resiliently anchored to one end of said pivot to lie at right angles to the plane of the strap and to be moved into and out of a locked position.

2,384,405
FRICTION CLUTCH
 Charles B. Spase, Nedrow, N. Y., assignor to Lipe-Rollway Corporation, Syracuse, N. Y., a corporation of New York
 Application July 29, 1943, Serial No. 496,527
 3 Claims. (Cl. 192-68)

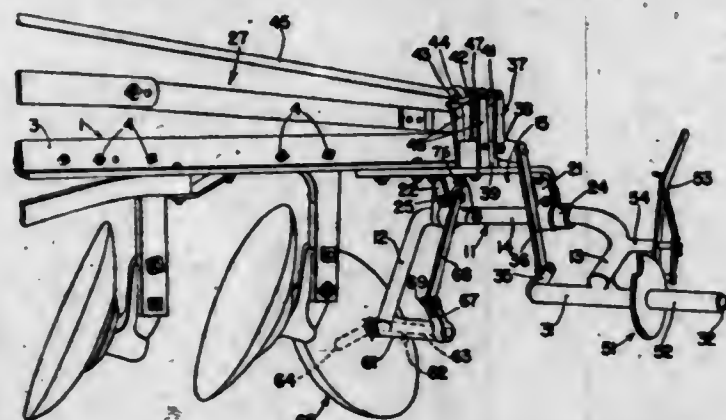


1. In a clutch, the combination of driving and driven members, a pressure ring rotatable with

the driving member and coacting with the driven member to clutch the same in driving engagement with the driving member, clutch engaging and throw-out means including reversing leverage, a clutch spring acting in opposite directions against the pressure ring and the reversing and reduction leverage serving to transmit the force of the spring to the pressure ring in the same direction that the pressure ring is pressed directly by the spring, and a throw-out collar coacting with said leverage, the reduction and reversing leverage also including a toggle foldable to disengage the clutch and movable toward a straight dead center line to engage the clutch, the toggle stopping short of fully straightened position when the clutch is engaged.

2,384,406 PLOW

Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application August 30, 1943, Serial No. 500,728
15 Claims. (Cl. 97-103)

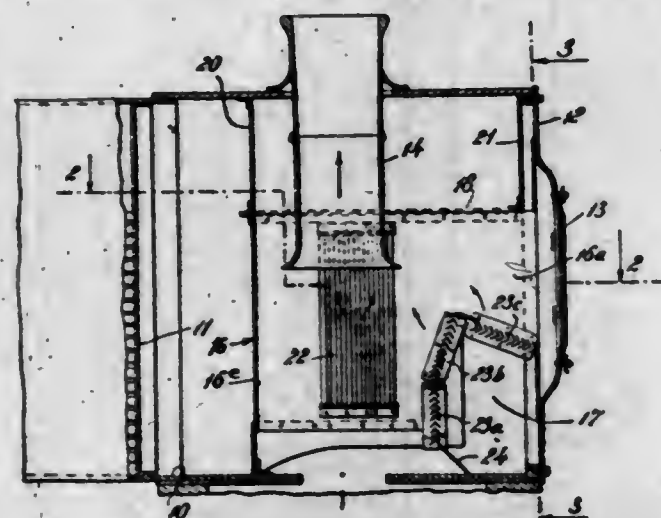


1. In a plow, a support, a furrow wheel normally disposed at an angle to the line of advance and at an angle to the vertical, parallel link means connecting said furrow wheel with said support accommodating the raising and lowering of said wheel relative to said support and serving to maintain said angles substantially constant, and means for shifting one of said links to adjust at least one of said angles.

2,384,407

SMOKE BOX STRUCTURE

Le Roy Thompson, Blakely, Ga., assignor to Locomotive Economizer Corporation, New York, N. Y., a corporation of Delaware
Application May 20, 1944, Serial No. 536,465
4 Claims. (Cl. 230-97)



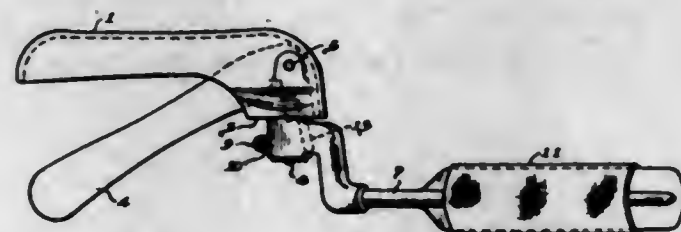
1. In a locomotive structure including a smoke box having a front end closed by a front wall provided with a central opening closable by a door, and a smoke stack and an injection nozzle arranged in vertical alignment in the top and bot-

tom, respectively, of the smoke box between its front and rear ends, partition means for directing the products of combustion from the rear of the smoke box to the stack and comprising vertical walls extending upwardly from the bottom of the smoke box to above the level of the lower end of the stack, the vertical walls extending around the stack to the rear thereof and forwardly to the front wall of the smoke box at their upper ends, said vertical walls having openings in their front lower corners adjacent said front wall, top walls extending outwardly from the upper edges of the vertical walls to the inner surface of the smoke box, the top walls extending forwardly to the front wall of the smoke box, a transverse partition extending upwardly from the upper edges of the vertical walls at the rear end thereof to the inner surface of the smoke box, louvre plates mounted in openings in the vertical walls at opposite sides of the stack, and louvre plates mounted along the edges of the openings in the lower front corners of the vertical walls and spanning the space between said vertical walls, whereby all gases entering the openings in the corners of the vertical walls pass between louvre plates in their travel to the stack.

2,384,408

SAFETY TONGS

William B. Warren, Pittsburgh, Pa., assignor to Fisher Scientific Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 21, 1944, Serial No. 555,084
1 Claim. (Cl. 294-28)



Safety tongs comprising normally open upper and lower handle jaws pivotally connected at their front ends, an actuating pin projecting downwardly from the front end of the lower jaw, a pair of laterally spaced gripping arms projecting forward from the front ends of the jaws, means pivotally connecting the rear ends of said arms to the bottom of the upper jaw on opposite sides of said pin, a coil spring connected to the rear ends of said arms behind said pivoting means for swinging the front ends of the arms apart, and a pair of pins projecting toward each other from the rear ends of the arms, the adjacent ends of said pair of pins being superposed and crossing each other in contact with the rear side of said actuating pin for swinging the arms toward each other when the actuating pin is swung rearwardly by the lower jaw.

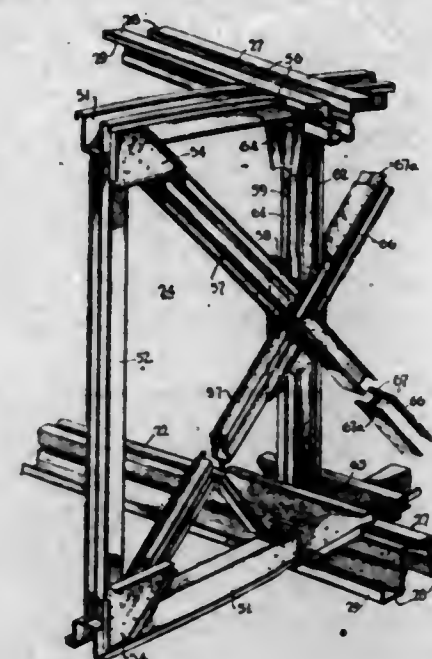
2,384,409

AIRFOIL STRUCTURE FOR AIRCRAFT

Michael Watter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 6, 1943, Serial No. 478,228
5 Claims. (Cl. 189-36)

1. An airfoil structure comprising in combination, a spar having chord members, a chord-connecting strut formed by a pair of channel sections secured together and having a gusset plate mounted between said sections intermediate the

ends of said strut, one of said channel sections being continuous from chord member to chord member and the other being interrupted at said gusset plate, a rib extending cross-wise of said spar substantially in the plane of said strut and including chord members connected by diagonal



strut members, said diagonal strut members each comprising a pair of channel members secured together along their length, each of said diagonal strut members being interrupted at said spar strut and having said gusset plate mounted between and connected to the channel members thereof.

2,384,410

MOUNTING FOR ELECTRON TUBES

Tom L. Yates, Erie, Pa., assignor to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application February 19, 1944, Serial No. 523,015
3 Claims. (Cl. 248-358)



1. A mounting for electron tubes, comprising a plate formed for attachment to a support and provided with an opening, a socket-receiving ring movably positioned within said opening, and vibration-isolating bodies of resilient material such as rubber, spaced angularly around said opening so adjacent ends of the bodies are circumferentially spaced apart and connecting the ring to the plate, the ring and plate being provided with cooperating pairs of normally spaced abutments, the respective pairs being spaced apart angularly around said plate opening between said adjacent ends of said bodies, said pairs of abutments being formed to engage each other to limit movements of the ring with relation to the plate when placing a tube in and removing it from a socket borne by the ring.

2,384,411

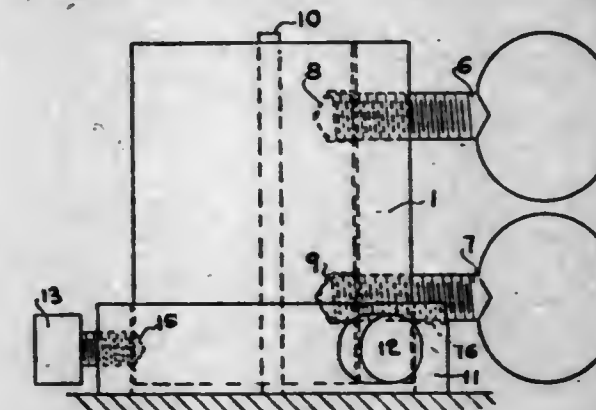
DEVICE FOR TESTING THE COMPRESSION CHARACTERISTICS OF SHEET METALS

Don S. Wolford and Harry La Tour, Middletown, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

Application May 6, 1943, Serial No. 485,860
9 Claims. (Cl. 73-94)

1. A jig for a sample to be subjected to compression tests, said jig comprising a metal body

having a hollow therein with means to present a flat longitudinal face, a metal part located in said hollow and having a matching flat face, means for urging the metal part under pressure toward the first mentioned flat face so that a test sample can be engaged and clamped between the flat faces, the length of the body being so pro-

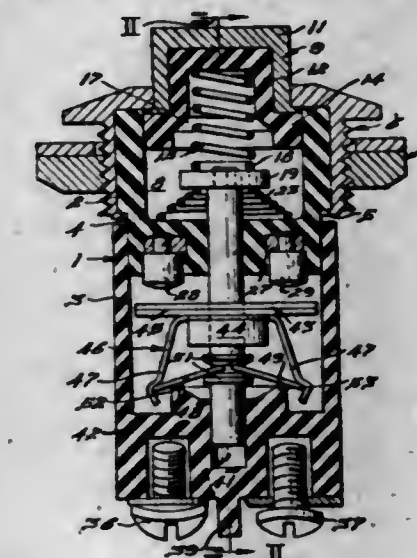


portioned to a given length of test sample as to provide for the extension of the sample through the said body and the projection therefrom at both ends, and means to support said body above a flat surface such as the platen of a press with said flat faces normal thereto, and with said body so spaced from said surface as to gauge the projection of said sample from said body.

2,384,412

ELECTRIC SWITCH

William H. Woods, Garden City, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application September 30, 1942, Serial No. 460,219
5 Claims. (Cl. 200-76)

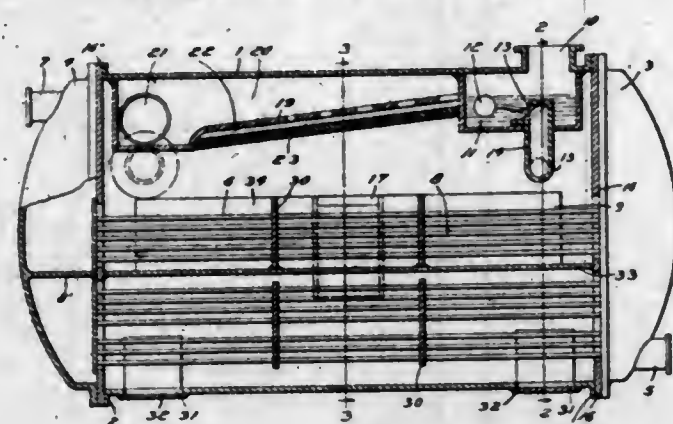


5. In an electric switch, an insulating enclosure, a stationary contact disposed therein, a rectilinearly movable actuating member, a movable contact slidably mounted on said actuating member, snap-acting means for effecting quick movement of said movable contact into and out of engagement with said stationary contact, said snap-acting means comprising a resilient member and a pair of rigid link members each having a pivotal engagement with said rectilinearly movable actuating member, raised portions on the base of said insulating enclosure providing fulcrums for said link members, whereby upon movement of said rectilinearly movable actuating member said link members engage said fulcrums to cause said snap-acting means to be moved relative to said base to carry the line of action of said resilient means through said pivots of said link members to effect a quick movement of said resilient member and of said movable contact, engagement of said fulcrums and link members lessening the movement of said actuating member necessary to effect movement of said movable contact.

2,384,413

COOLER OR EVAPORATOR

Joseph R. Zwickl, East Orange, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application November 18, 1943, Serial No. 510,745
10 Claims. (Cl. 62-126)

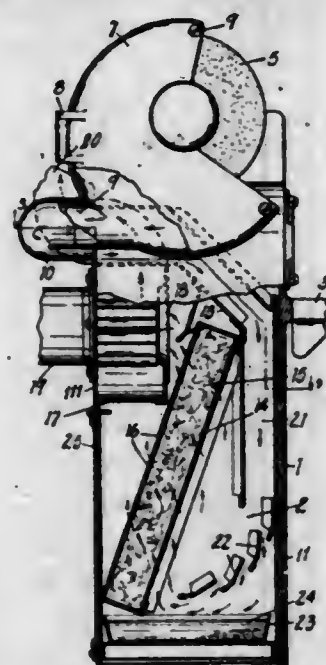


1. In an evaporator, a shell, a plurality of tubes extending through said shell, means for delivering a coolant into said shell for submerging said tubes, said tubes arranged in a plurality of sets, means whereby a vaporization surface of the coolant and vapor escape space will be provided above each set of tubes, and means whereby a predetermined level of liquid coolant will be maintained in one set of said tubes before liquid coolant is allowed to flow to the other sets of tubes.

2,384,414

DUST COLLECTOR FOR GRINDING AND OTHER MACHINES

Charles H. Antrim, Grand Rapids, Mich., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich., a corporation of Michigan
Application October 26, 1942, Serial No. 463,371
9 Claims. (Cl. 183-37)



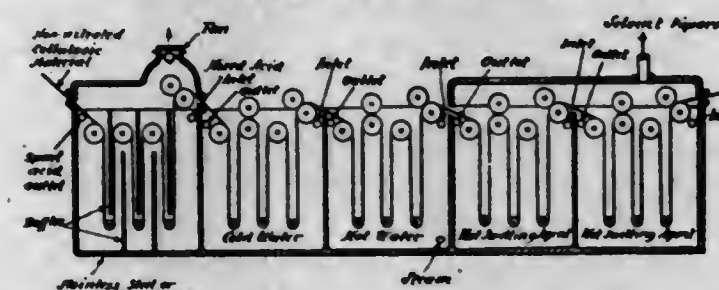
1. In a structure of the class described, the combination of a pedestal having a chamber therein, a pair of dust collecting housings for grinding and other tools mounted on said pedestal in overhanging relation to opposite sides of said chamber, U-shaped suction conduits connecting the rear of said housings with the top of said chamber and opening thereto through the rear wall thereof, a blower comprising a housing mounted in the rear of said chamber and having an upwardly directed discharge disposed on the rear side of the chamber between said U-shaped conduits, a filter arranged in said chamber in a forwardly inclined relation and constituting a partition member in said chamber with its forward upper end in advance of said blower, a conduit wall arranged in said chamber in spaced relation to the top and front walls of the cham-

ber and terminating at its lower end in spaced relation from that side of the inclined filter, which is the lower, and on a level substantially spaced from the upper and lower ends of the filter to provide a suction passage leading from said conduits and delivering downwardly across said chamber at a point substantially spaced from the upper and lower ends of the filter and forward thereof, a plurality of angled louver-like baffle members arranged in spaced downwardly stepped relation from adjacent the lower end of said suction passage, across the discharge thereof to adjacent the lower end of the filter, and a collector pan disposed below said baffle members, said chamber being provided with a door in its rear wall providing access to said pan and said filter.

2,384,415

CONTINUOUS PRODUCTION AND STABILIZATION OF NITRATES OF CELLULOSE OR NITRATES OF OTHER ALCOHOLS LIKE STARCH

Ernst Berl, Pittsburgh, Pa.
Application March 27, 1941, Serial No. 385,580
13 Claims. (Cl. 260-220)

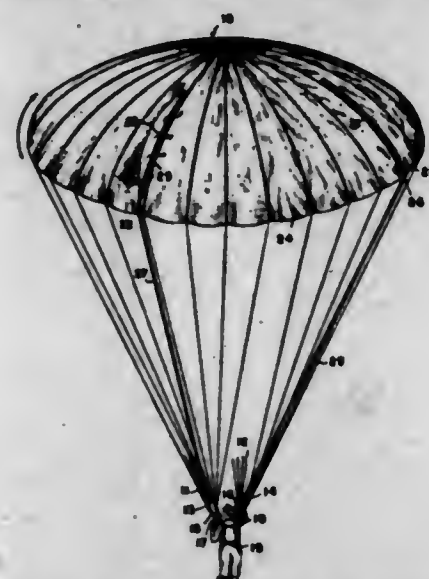


10. A process of manufacturing nitrates of aliphatic alcohols comprising treating said alcohols with a mixed acid comprising water-free nitric acid, water-free phosphoric acid and phosphorous pentoxide.
11. A process of manufacturing nitrates of aliphatic alcohols comprising treating said alcohols with a mixed acid comprising water-free nitric acid, glacial acetic acid and acetic acid anhydride.

2,384,416

PARACHUTE

Frank M. Derry, Missoula, Mont., dedicated to the free use of the People in the territory of the United States
Application March 17, 1944, Serial No. 526,954
3 Claims. (Cl. 244-152)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



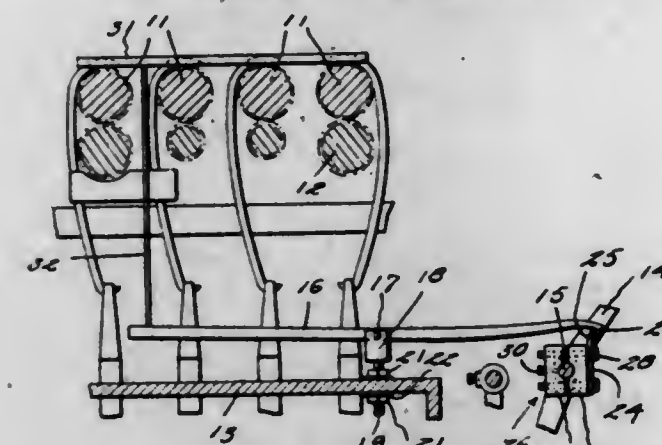
1. A parachute comprising a canopy formed of panels having shroud lines between the panels, two of said panels each having a radially extending slit located near a shroud line and each having a guide line attached at its upper end to the

canopy adjacent the outer end of the slit with the lower end of the guide line accessible to the parachutist, the slit in one panel being located on the side of its shroud line opposite to the location of the slit in the other panel relative to its shroud line, whereby, upon descent of the parachute, air pressure will tend to open the slits by raising the edges of the material of the panels remote from the shroud lines and the air jetting out of each of the open slits will tend to turn the parachute in the direction opposite to that of the flow of jetting air, and whereby the parachutist may, by pulling on either of the guide lines, close the slit to which it is attached, leaving the other slit open, thus to turn the parachute in its descent.

2,384,417

KNOCKOFF MOTION FOR DRAWING MACHINES

Ervin M. Dunn and John C. Baucom, Concord, N. C.
Application May 27, 1942, Serial No. 444,714
2 Claims. (Cl. 19-167)



1. In a knock-off motion for drawing rolls, an oscillating element, means controlling the power to operate said rolls, a knock-off lever, means on the said oscillating element engageable by the lever to prevent operation of the said oscillating element when the lever is unrestrained to stop operation of the rolls, and control means normally maintaining the knock-off lever disengaged from the second-mentioned means consisting of a control member subject to displacement by movement of one of the rolls, means pivotally mounting the knock-off lever comprising a pivot element, a screw member having a head mounting the pivot element, said screw member engaging the frame of the machine, and fastening means coacting with the screw member on opposite sides of that part of the frame mounting the screw member.

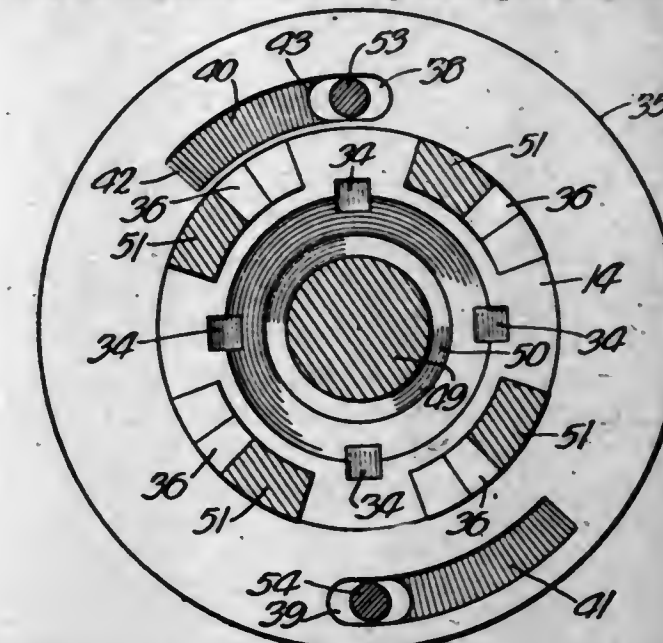
2,384,418

CLUTCH MECHANISM

William H. Edmondson, Oak Park, Ill., assignor to United Biscuit Company of America, a corporation of Delaware
Application June 21, 1941, Serial No. 399,104
2 Claims. (Cl. 192-67)

1. In a clutch, the combination of a pair of rotatable, coaxially disposed and relatively axially shiftable clutch members, said members having a plurality of circumferentially arranged, interengageable teeth for the transmission of rotary movement from one of the members to the other, said teeth having engaging faces substantially perpendicular to the plane of rotation of said members so as to afford positive driving connection between said members, and means for controlling axial movement of said members toward each other to cause said teeth to interengage only in a predetermined rotary relationship between said members, said means comprising an element projecting from one of said members toward the

other in radially offset relation to said teeth, and said other member having an opening for receiving



ing said projecting element only in said predetermined relationship of the members.

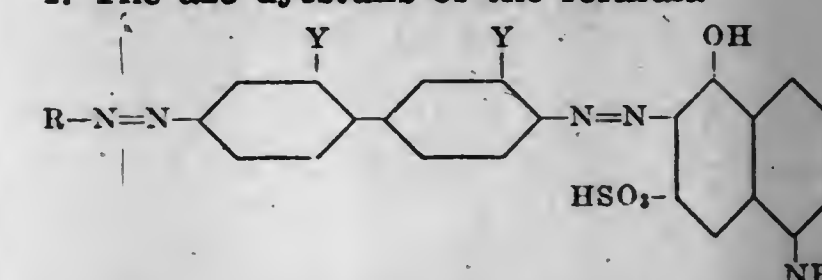
2,384,419

AZO DYESTUFFS

Richard Fleischhauer and Adolf Müller, Frankfurt-on-the-Main-Fechenheim, and Carl Theo Schultis, Bergen, near Frankfurt-on-the-Main, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application July 29, 1941, Serial No. 404,508. In Germany June 24, 1940
4 Claims. (Cl. 260-176)

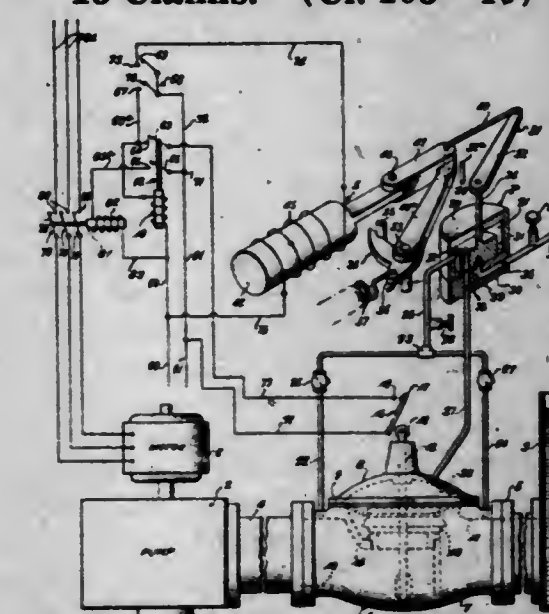
1. The azo dyestuffs of the formula



2,384,420

PUMP CONTROL MEANS

Donald G. Griswold, Alhambra, Calif., assignor to Clayton Manufacturing Company, Alhambra, Calif.
Application August 5, 1942, Serial No. 453,709
15 Claims. (Cl. 103-40)



1. In combination, a pump; means for driving said pump; a valve upon the discharge side of

said pump arranged to have fluid pumped there-through by said pump; and control means operatively connected with said pump driving means and valve arranged to allow said valve to start opening before said pump driving means starts to drive said pump.

2,384,421

CONDENSATION PRODUCTS OF PSEUDOTHIOHYDANTOIN PROTEIN AND PROCESS FOR PRODUCING SAME

Oskar Huppert, Newark, N. J.

No Drawing. Application May 24, 1944,

Serial No. 537,190

4 Claims. (Cl. 260—123)

1. A process of producing condensation products, which comprises, reacting pseudothiohydantoin-3 zein with dibasic acid anhydrides.

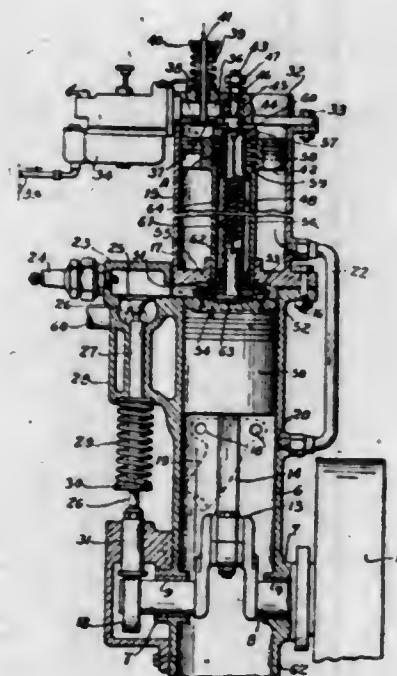
2,384,422

INTERNAL-COMBUSTION ENGINE

Cloyd Lee Kinder, East Pasadena, Calif.; Verna Kinder administratrix of said Cloyd Lee Kinder, deceased

Application March 22, 1944, Serial No. 527,605

9 Claims. (Cl. 123—71)



7. In an internal combustion engine, a combustion cylinder and a supercharging cylinder arranged in alignment, pistons fitting in the cylinders, a rod connecting the pistons to effect their conjoint movement, the combustion chamber having an exhaust port and having a scavenging port farther along in the direction of movement of the pistons on the power stroke, conduit means connecting the scavenging port with the supercharging cylinder at one side of the piston therein to draw air into the supercharging cylinder on the outer stroke of the supercharging piston, the piston in the combustion cylinder being movable to close said port during the inward stroke of pistons, the supercharging piston being arranged for its continued inward movement to compress air entrapped in the supercharging cylinder, the other side of the supercharging piston being connected to compress fuel and to supply the combustion cylinder with the compressed fuel, the power piston in the combustion chamber being movable to uncover the exhaust port first and then to uncover the scavenging port, and scavenging valve means connected to be open after the power piston has covered the exhaust port for the continued scavenging of gases of combustion.

2,384,423

ELECTRODE STRUCTURE

Carl H. Larson, Elkhart, Ind., assignor to The

Adlake Company, a corporation of Illinois

Application April 19, 1941, Serial No. 389,270

2 Claims. (Cl. 200—112)



1. In a mercury switch, a switch envelope, a mercury fill, electrode means for the mercury fill including an electrode sealed through the upper portion of the envelope and extending downwardly therein, a pocket member of refractory clay-type ceramic carried at the lower end of said electrode and having side and bottom walls forming a pocket for mercury, said pocket communicating with the space outside of said walls and within the envelope for the flow of mercury upon operation of the switch, and means for causing the mercury to flow into and from said pocket; said electrode extending downwardly into a recess in said bottom wall and fitting therein with the side walls of the electrode and the adjacent side walls of the recess approximately parallel, and fusible vitreous means in the form of a thin film surrounding the electrode and intimately engaging said approximately parallel wall surfaces whereby the pocket member will be held fast and supported by the electrode in spite of substantial differences of expansion between the pocket member and the electrode.

2,384,424

CONTACT APPARATUS

Charles H. Rodgers, Peoria, and George C.

Neureuther, Morton, Ill., assignors to Hiram

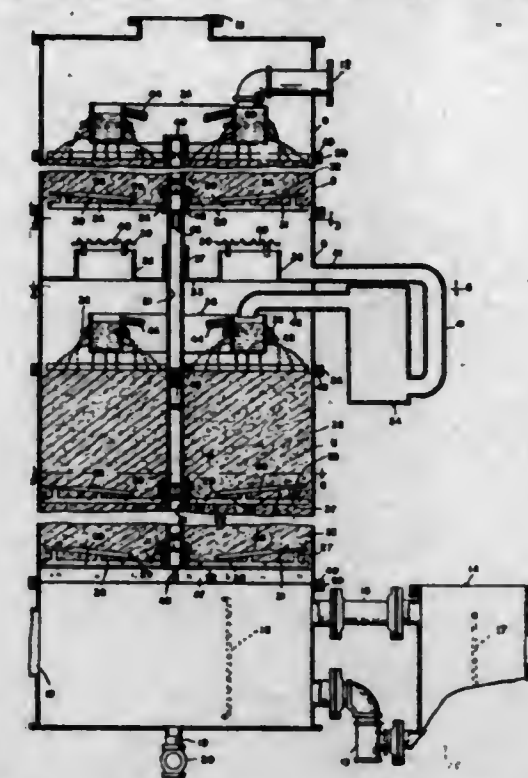
Walker & Sons Inc., Peoria, Ill.

Application July 16, 1943, Serial No. 495,048

5 Claims. (Cl. 261—95)

1. In a contact column, a plurality of column sections superposed one on another, a base for supporting said sections and having means therein for introducing and directing a gas upwardly into the column and for receiving liquid flowing down the column, a removable shaft supported on said base and extending axially of the column through the several sections thereof, said shaft being formed of individually removable sections corresponding in height to the column sections, packing disposed in alternate sections of the column and supported independently of the column walls by grids carried on said shaft sections, and closure means at the top of the column

including an escape outlet for gas and means for introducing and distributing a liquid over



the packing in the uppermost section of the column.

2,384,425

METHOD OF MAKING TETRAIODOPHENOL-PHTHALEIN

Leonard E. Sargent, Yonkers, N. Y., assignor to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y., a corporation of New York

No Drawing. Application July 30, 1943,

Serial No. 496,770

11 Claims. (Cl. 260—337)

1. The herein described process of improving the characteristics of tetraiodophenolphthalein, which process comprises the steps of making an aqueous alkaline solution of tetraiodophenolphthalein and an alkali sulfite, converting the alkali sulfite into sulfurous acid by means of a stronger acid which also causes the formation of a finely divided suspension of tetraiodophenolphthalein particles gradually growing in size while acted upon by the sulfurous acid, separating the tetraiodophenolphthalein, forming an aqueous suspension of the pretreated tetraiodophenolphthalein and causing finely divided active charcoal to act on the suspended solid particles of tetraiodophenolphthalein.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1903, Sec. 6, as amended Mar. 2, 1907]

- Allied Stores Corporation, Wilmington, Del., doing business as "The Bon Marche," Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quakenbush Company, Paterson, N. J. Men's, women's and children's clothing. Serial No. 469,948; Sept. 4. Class 39.
- Allied Stores Corporation, Wilmington, Del., doing business as "The Bon Marche," Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quakenbush Company, Paterson, N. J., also doing business as Home Furnishings Institute. Curtains, tablecloths, towels, etc. Serial No. 470,252; Sept. 4. Class 42.
- American Engineering Company, Philadelphia, Pa. Furnace stokers and parts thereof. Serial No. 482,307; Sept. 4. Class 34.
- American International Publications, Inc., New York, N. Y. Periodical. Serial No. 478,485; Sept. 4. Class 38.
- American Rock Wool Corp., Wabash, Ind. Heat and sound insulation materials. Serial No. 485,069; Sept. 4. Class 12.
- Ampco Twist Drill Company, Jackson, Mich. Twist drills, reamers, milling cutters, etc. Serial No. 475,711; Sept. 4. Class 23.
- Angelus Laboratories: See—
Brunswick Drug Company.
- Ayres, Sarah A., Los Angeles, Calif. Poly-vitamin product. Serial No. 476,130; Sept. 4. Class 6.
- Blake, Irene: See—
Blake, Irene, Cosmetics, Inc.
- Blake, Irene, Cosmetics, Inc., doing business as Irene Blake, New York, N. Y. Cologne. Serial No. 482,133; Sept. 4. Class 6.
- "Bon Marche, The": See—
Allied Stores Corporation.
- Borden Company, The, New York, N. Y. Powdered modified milk. Serial No. 484,555; Sept. 4. Class 46.
- Bor-Lenz Enterprises, Los Angeles, Calif. Pyrophoric cigarette, cigar and pipe lighters. Serial No. 484,159; Sept. 4. Class 34.
- Boston Drug & Chemical Co., doing business as Prince Toiletries, Boston, Mass. After-shaving lotion, cologne and shampoo. Serial No. 483,761; Sept. 4. Class 6.
- Brunswick Drug Company, doing business as Angelus Laboratories, Los Angeles, Calif. Mouth wash. Serial No. 483,649; Sept. 4. Class 6.
- Brunswick Drug Company, doing business as Angelus Laboratories, Los Angeles, Calif. Preparation for the treatment of corns and calluses. Serial No. 483,650; Sept. 4. Class 6.
- Callaway Mills, La Grange, Ga. Untreated textile fabric polishing cloths. Serial No. 474,573; Sept. 4. Class 42.
- Campomar & Soulas, S. A., Montevideo, Uruguay. All wool piece goods and piece goods containing a mixture of wool and cotton, etc. Serial No. 458,724; Sept. 4. Class 42.
- Carlay Co., The: See—
Futter, Carl A.
- Catalina, Inc.: See—
Catalina Knitting Mills.
- Catalina Knitting Mills, Los Angeles, Calif., now by change of name Catalina, Inc. Men's, women's and children's sportwear. Serial No. 475,897; Sept. 4. Class 39.
- Chad Valley Co. Ltd., The, Birmingham, England. Game. Serial No. 472,179; Sept. 4. Class 22.
- Clark, Alice L., Mill Valley, Calif. Dolls. Serial No. 485,400; Sept. 4. Class 22.
- Cofax Corporation, The, New York, N. Y. Sealing tape dispensers. Serial No. 484,244; Sept. 4. Class 2.
- Cofax Corporation, The, New York, N. Y. Plastic tape dispensers. Serial No. 494,242; Sept. 4. Class 2.
- Cordo Chemical Corporation, Norwalk, Conn. Protective coating in the nature of paint. Serial No. 483,304; Sept. 4. Class 16.
- Dallas Candy Co., Dallas, Tex. Pecan candies. Serial No. 483,054; Sept. 4. Class 46.
- Dermetex, Inc., Seattle, Wash. Face powder and skin rouge. Serial No. 476,900; Sept. 4. Class 6.
- Dey Brothers & Company: See—
Allied Stores Corporation.
- Dormer, Frederick J., New York, N. Y. Apparel for men, women, and children. Serial No. 471,272; Sept. 4. Class 39.
- Douglas Fir Plywood Association, Tacoma, Wash. Plywood. Serial No. 482,312; Sept. 4. Class 12.
- Evergreen Food Products: See—
Pompeo, Archie.
- Federation Fashions, Inc., New York, N. Y. Doll millinery kits. Serial No. 481,739; Sept. 4. Class 22.
- Fowler, Garland E., Albuquerque, N. Mex. Men's and ladies' suits, slacks, overcoats, and sport coats. Serial No. 482,984; Sept. 4. Class 39.
- Futter, Carl A., doing business as The Carlay Co., Chicago, Ill. Vitamin preparation. Serial No. 483,312; Sept. 4. Class 6.
- Geller, Andrew, Shoe Manufacturing Co. Inc., Brooklyn, N. Y. Ladies' shoes. Serial No. 482,101; Sept. 4. Class 39.
- General Aniline & Film Corporation, New York, N. Y. Chemicals, preparations and compounds thereof used in photographic processes. Serial No. 473,279; Sept. 4. Class 6.
- General Box Company, Chicago, Ill. Corrugated boxes, wooden crates and boxes, etc. Serial No. 484,836; Sept. 4. Class 2.
- Gihon, H. D., Inc., Trenton, N. J. Golf bags. Serial No. 484,451; Sept. 4. Class 22.
- Glasser, Charles J., Chicago, Ill. Combination telescope and spectacle. Serial No. 484,781; Sept. 4. Class 26.
- Goldsmith Bros., New York, N. Y. Motor lubricating oil. Serial No. 482,323; Sept. 4. Class 15.
- Goodyear Rubber Sundries, Inc., New Haven, Conn. Synthetic rubber baby pants. Serial No. 480,287; Sept. 4. Class 39.
- Grand Rapids Die and Tool Company: See—
Scheffler, Raymond J.
- Half Moon Bay Growers Association, San Francisco, Calif. Fresh vegetables. Serial No. 478,630; Sept. 4. Class 46.
- Hamilton Kent Manufacturing Company, Kent, Ohio. Rubber vibration mounts. Serial No. 480,581; Sept. 4. Class 23.
- Harvell Manufacturing Corporation, South Bend, Ind. Waste baskets, canister sets, bread boxes, etc. Serial No. 482,378; Sept. 4. Class 2.
- Hercules Powder Company, Wilmington, Del. Specially prepared resin for use in soil. Serial No. 479,623; Sept. 4. Class 12.
- Heribert, Herbert J., New York, N. Y. Adhesive cement. Serial No. 475,425; Sept. 4. Class 5.
- Hinde & Dauch Paper Company, The, Sandusky, Ohio. Paperboard boxes and cartons. Serial No. 484,743; Sept. 4. Class 2.
- Home Furnishings Institute: See—
Allied Stores Corporation.
- Horvitz, S., & Sons, Pawtucket, R. I. Sisal padding. Serial No. 482,379; Sept. 4. Class 32.
- Italian Cook Oil Corp., Brooklyn, N. Y. Olive Oil. Serial No. 484,956; Sept. 4. Class 46.
- Jewel Togs, Inc., New York, N. Y. Button and button tapes and snap fastener tapes. Serial No. 470,110; Sept. 4. Class 40.
- Johnson & Johnson, New Brunswick, N. J. Sanitary napkins. Serial No. 469,567; Sept. 4. Class 44.
- Justes, Dorothy B., New York, N. Y. Perfumes. Serial No. 470,533; Sept. 4. Class 6.
- Kenilworth Manufacturing Company Limited, London, England. Jointings and packings for engines. Serial No. 481,897; Sept. 4. Class 12.
- Kidde, Walter, & Company, Inc., New York, N. Y., and Belleville, N. J. Wire rope or cable. Serial No. 485,283; Sept. 4. Class 7.
- Kidde, Walter, & Company, Inc., New York, N. Y., and Belleville, N. J. Flexible metal hose. Serial No. 485,296; Sept. 4. Class 35.
- Klamkin, Irving, Brooklyn, N. Y. Thermometers. Serial No. 480,991; Sept. 4. Class 26.
- Latrobe Electric Steel Company, Latrobe, Pa. Steel bars, billets and forgings. Serial Nos. 483,226-7; Sept. 4. Class 14.
- Leon, I., Company, The, Massapequa, Long Island, N. Y. Curl clips. Serial No. 482,805; Sept. 4. Class 40.
- Leonard Company, The, New York, N. Y. Plastic coated textile fabrics. Serial No. 483,185; Sept. 4. Class 42.
- Linscomb, Irven E., doing business as Pioneer Bag Company, North Kansas City, Mo. Burlap, cotton, and paper bags and paper and corrugated cartons. Serial No. 484,535; Sept. 4. Class 2.
- Mac-O-Lac Paint & Varnish Works, Detroit, Mich. Ready mixed paints, varnishes, and paint enamels and the like. Serial No. 479,293; Sept. 4. Class 16.
- Madison, Dolly, Hair Pin Corp., New York, N. Y. Hair pins. Serial No. 481,738; Sept. 4. Class 40.
- Marlon Confections Company, New York, N. Y. Candies. Serial No. 471,954; Sept. 4. Class 46.
- Mayo, Jack, New York, N. Y. Children's panties. Serial No. 480,872; Sept. 4. Class 39.
- McCoy, Jones & Company, Inc., Chicago, Ill. Hand bags, purses, coin purses, etc. Serial No. 480,466; Sept. 4. Class 3.
- Michaelis, Curt, New York, N. Y. Shortening in solid form and of vegetable origin. Serial No. 484,265; Sept. 4. Class 46.
- Mills & Easley, New York, N. Y. Dolls. Serial No. 480,467; Sept. 4. Class 22.
- Minneapolis Knitting Works, Minneapolis, Minn. Girls' knit underwear. Serial No. 483,732; Sept. 4. Class 39.

LIST OF TRADE-MARK APPLICANTS

Moffats Limited, Town of Weston, Ontario, Canada. Gas, oil, coal, and wood burning stoves and ranges, ovens, etc. Serial No. 481,418; Sept. 4. Class 34.

Morris-Systems Co.: See—
Steinberg, Morris.

Myrurgia, S. A., Barcelona, Spain. Perfumes, toilet creams, eau de cologne, etc. Serial No. 483,277; Sept. 4. Class 6.

New York Mattress Company, Boston, Mass. Mattresses. Serial Nos. 485,301-2; Sept. 4. Class 32.

Niagara Alkali Company, Niagara Falls, N. Y. Tetrachloro phthalic anhydride. Serial No. 483,780; Sept. 4. Class 6.

Paleos, C. A., Co.: See—
Paleos, Christos.

Paleos, Christos, doing business as C. A. Paleos Co., Lowell, Mass. Candy. Serial No. 400,903; Sept. 4. Class 46.

Perma-Flex Mold Co., The, Columbus, Ohio. Flexible molds. Serial No. 476,258; Sept. 4. Class 23.

Phillips Petroleum Company, Bartlesville, Okla. Vehicle seat covers. Serial No. 468,728; Sept. 4. Class 19.

Pichel, Inc., New York, N. Y. Ladies' handbags. Serial No. 484,796; Sept. 4. Class 3.

Pierce, S. S. Co., Boston, Mass. Cooling and invigorating lotion. Serial No. 483,383; Sept. 4. Class 6.

Pioneer Bag Company: See—
Linscomb, Irvn E.

Pla-Safe Plastics Corporation, Buffalo, N. Y. Wrist watch straps. Serial No. 481,799; Sept. 4. Class 40.

Pompeo, Archie, doing business as Evergreen Food Products, Seattle, Wash. Pickles. Serial No. 484,423; Sept. 4. Class 46.

Porterprint Limited, Leeds, England. Game. Serial No. 476,926; Sept. 4. Class 22.

Prince Toiletries: See—
Boston Drug & Chemical Co.

Quackenbush Company: See—
Allied Stores Corporation.

Quality Art Novelty Co., Inc., Long Island City, N. Y. Greeting cards. Serial Nos. 483,582-4; Sept. 4. Class 38.

Redlands Foothill Groves, Redlands, Calif. Fresh citrus fruit. Serial No. 476,261; Sept. 4. Class 46.

Remington Rand Inc., Buffalo, N. Y. Liquid hand cleaner and hand cleaning cream. Serial No. 472,714; Sept. 4. Class 4.

Riverside & Dan River Cotton Mills, Inc., Danville, Va. Piece goods. Serial No. 483,790; Sept. 4. Class 42.

Royal Hair Pin Corporation, New York, N. Y. Bob pins. Serial No. 481,757; Sept. 4. Class 40.

Scattone, Vincenzo, New York, N. Y. Hernia trusses. Serial No. 480,390; Sept. 4. Class 44.

Scheffer, Raymond J., doing business as Grand Rapids Die and Tool Company, Grand Rapids, Mich. Rotary fans, exhaust blowers, forced draft blowers, etc. Serial No. 468,973; Sept. 4. Class 34.

Schindel-McDaniels Co., Inc., New York, N. Y. Bedspreads, sheets, and pillow cases. Serial No. 483,089; Sept. 4. Class 42.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Accordion Co., Inc., New York, N. Y. Accordions. 416,248; Sept. 4; Serial No. 477,344; published June 26, 1945. Class 36.

Acme White Lead & Color Works, Hamtramck, Mich. Insecticides and fungicides. 203,194; renewed Sept. 15, 1945. O. G. Sept. 4. Class 6.

Adams Equipment Company, Inc., Watertown, assignor, by mesne assignments, to James R. Katzman, doing business as Re-Bo Manufacturing Company, New York, N. Y. Removable bodies for hand trucks. 199,202; renewed June 2, 1945. O. G. Sept. 4. Class 19.

Adler & Adler Inc., New York, N. Y. Ladies' and misses' dresses, suits, coats and blouses. 416,309; Sept. 4; Serial No. 480,490; published June 26, 1945. Class 39.

Aerial Service Corporation, Hammondport, N. Y., by change of name to Mercury Aircraft Inc. Airplanes. 203,874; renewed Sept. 29, 1945. O. G. Sept. 4. Class 19.

Aero Reproductions of New England: See—
Lutz, Raymond H.

Aeroshade Company, The, Waukesha, Wis. Porch and window shades. 416,231; Sept. 4; Serial No. 474,647; published June 26, 1945. Class 32.

Air King Products Co., Inc.: See—
Retail Stores Service, Inc.

Alsenstein, Louis, & Bros., New York, N. Y. Glassware. 416,298; Sept. 4; Serial No. 480,272; published June 26, 1945. Class 33.

Ajax Electrothermic Corporation, Ajax Park, Trenton, N. J. Electric furnaces. 416,211; Sept. 4; Serial No. 469,426; published Jan. 9, 1945. Class 21.

Allen Property Custodian: See—
Bosch, Robert, Aktiengesellschaft.
Deutsche Gold- und Silber-Scheideanstalt vormals Roessler.

Amanda-L Co., Chicago, Ill. Ointment. 416,218; Sept. 4; Serial No. 470,903; published Dec. 19, 1944. Class 6.

Sepler, Mack, New York, N. Y. Women's outer skirts. Serial No. 482,019; Sept. 4. Class 39.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Analgesic, antibacterial, and antiseptic preparation. Serial No. 483,832; Sept. 4. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Doped bias tape; doped narrow bandings and strips, etc. Serial No. 482,122; Sept. 4. Class 40.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, paint enamels, lacquers, etc. Serial No. 481,440; Sept. 4. Class 16.

Soules & Soules, Los Angeles, Calif. Piece goods of cotton, silk, rayon, etc. Serial No. 479,095; Sept. 4. Class 42.

Southwest Farms, Phoenix, Ariz. Fresh vegetables. Serial No. 482,594; Sept. 4. Class 46.

Spaulding Bakeries, Inc., Binghamton, N. Y. Magazine published monthly. Serial No. 483,699; Sept. 4. Class 38.

Spinnerin Yarn Co., Inc., New York, N. Y. Yarn made of nylon and wool and combination thereof. Serial No. 482,654; Sept. 4. Class 43.

Steinberg, Morris, doing business as Morris-Systems Co., New York, N. Y. Games. Serial No. 483,289; Sept. 4. Class 22.

Strombeck Press Inc., Moline, Ill. Folding picture puzzles. Serial No. 481,807; Sept. 4. Class 22.

Sure-Rite Products Company, Philadelphia, Pa. Electric insulating compound. Serial No. 480,630; Sept. 4. Class 21.

Thatcher Manufacturing Company, Elmira, N. Y. Glass bottles. Serial No. 485,107; Sept. 4. Class 33.

Thonet Brothers, Inc., New York, N. Y. Barbers' armchairs, bedroom suites, bedsteads, etc. Serial No. 477,824; Sept. 4. Class 32.

Thonet Brothers, Inc., New York, N. Y. Barbers' armchairs, bedroom suites, bedsteads, etc. Serial No. 477,826; Sept. 4. Class 32.

Tioga Woolen Mills, Philadelphia, Pa. Ladies' misses', and girls' coats, suits, jackets, etc. Serial No. 481,389; Sept. 4. Class 39.

Tioga Woolen Mills, Philadelphia, Pa. Woolen and worsted fabrics in the piece. Serial No. 481,390; Sept. 4. Class 42.

Tobey, Alton E., Santa Cruz, Calif. Rasp bands and wheels. Serial No. 474,969; Sept. 4. Class 23.

V. & E. Manufacturing Co., assignor to V. & E. Manufacturing Co., Pasadena, Calif. Drafting machines. Serial No. 463,962; Sept. 4. Class 26.

Vita-Var Corporation, Newark, N. J. Waterproofing coating. Serial No. 474,557; Sept. 4. Class 12.

Werber Sportswear Co., Newburgh, N. Y. Men's outdoor leather and cloth lined jackets, and coats, etc. Serial No. 481,395; Sept. 4. Class 39.

Western Boat Building Co., Tacoma, Wash. Marine craft. Serial No. 479,960; Sept. 4. Class 19.

Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. Serial No. 479,655; Sept. 4. Class 46.

Woodi-Toy Company, Los Angeles, Calif. Toys. Serial No. 484,549; Sept. 4. Class 22.

American Agricultural Chemical Company, The, New York, N. Y. Fertilizers. 416,237; Sept. 4; Serial No. 475,409; published June 26, 1945. Class 10.

American Grinder Mfg. Co., Milwaukee, assignor to American Hydraulics, Inc., Sheboygan, Wis. Water-circulating pumps. 204,545; renewed Oct. 20, 1945. O. G. Sept. 4. Class 23.

American Grinder Mfg. Co., Milwaukee, assignor to American Hydraulics, Inc., Sheboygan, Wis. Water-circulating pumps. 204,588; renewed Oct. 20, 1945. O. G. Sept. 4. Class 23.

American Hydraulics, Inc.: See—
American Grinder Mfg. Co., assignor.

American Nokol Company, Chicago, Ill., assignor, by mesne assignments, to Petroleum Heat and Power Company, New York, N. Y. Liquid-fuel burners or heaters electrically operated. 201,920; renewed Aug. 11, 1945. O. G. Sept. 4. Class 34.

American Varnish Company, The, Chicago, Ill. Varnishes. 47,755; re-renewed Nov. 21, 1945. O. G. Sept. 4. Class 16.

American Woolen Company, Boston, Mass., and New York, N. Y. Flat piece goods composed wholly or partly of wool. 416,182; Sept. 4; Serial No. 461,835; published June 26, 1945. Class 42.

Anaheim Orange & Lemon Association, Anaheim, Calif., by change of name to Anaheim Valencia Orange Association. Fresh citrus fruits. 204,616; renewed Oct. 20, 1945. O. G. Sept. 4. Class 46.

Anaheim Orange & Lemon Association, Anaheim, Calif., by change of name to Anaheim Valencia Orange Association. Fresh citrus fruits. 206,137; renewed Nov. 24, 1945. O. G. Sept. 4. Class 46.

Anaheim Valencia Orange Association: See—
Anaheim Orange & Lemon Association.

Arkansas Committee Brewing Industry Foundation, Little Rock, Ark. Publication. 416,362; Sept. 4. Class 38.

LIST OF REGISTRANTS OF TRADE-MARKS

Arkansas Fuel Oil Company: See—
Louisiana Oil Refining Corporation, assignor.

Armour and Company, doing business as Luxor, Ltd., Chicago, Ill. Cleansing creams, night creams, foundation creams, etc. 416,310; Sept. 4; Serial No. 480,494; published June 26, 1945. Class 6.

Armstrong Cork and Insulation Company, Pittsburgh, assignor to Armstrong Cork Company, Lancaster, Pa. Cork-board insulation. 205,323; renewed Nov. 3, 1945. O. G. Sept. 4. Class 12.

Armstrong Cork Company: See—
Armstrong Cork and Insulation Company, assignor.

Armstrong Cork Company, Pittsburgh, to Armstrong Cork Company, Lancaster, Pa. Bottle-corks and prescription-corks. 47,385; re-renewed Oct. 31, 1945. O. G. Sept. 4. Class 50.

Associated Distributors, Inc., Chicago, Ill., now by change of name Associated Products, Inc. Facial make-up. 416,228; Sept. 4; Serial No. 473,974; published June 19, 1945. Class 6.

Associated Military Stores, Inc., Chicago, Ill. Men's and women's wear and sportswear. 416,311; Sept. 4; Serial No. 480,496; published June 26, 1945. Class 39.

Associated Products, Inc.: See—
Associated Distributors, Inc.

Atlas Supply Company, Newark, N. J. Automobile antifreeze compound. 418,185; Sept. 4; Serial No. 447,777; published Nov. 25, 1941. Class 6.

Autenreith Company: See—
Imperial Hosiery Co., assignor.

Babbitt, B. T., Inc.: See—
Schield, Wm., Mfg. Co., assignor.

Bakelite Corporation, New York, N. Y. Paint enamels, lacquers and varnishes. 206,013; renewed Nov. 24, 1945. O. G. Sept. 4. Class 16.

Bakelite Corporation, assignor to Bakelite Corporation, New York, N. Y. Meter frames, disks and cases, ammeter cases, etc. 205,724; renewed Nov. 17, 1945. O. G. Sept. 4. Class 26.

Bakelite Corporation, assignor to Bakelite Corporation, New York, N. Y. Cash boxes, instrument cases, vanity boxes, etc. 205,807; renewed Nov. 17, 1945. O. G. Sept. 4. Class 2.

Bakelite Corporation, assignor to Bakelite Corporation, New York, N. Y. Pistol grips and butt plates. 205,824; renewed Nov. 17, 1945. O. G. Sept. 4. Class 9.

Bakelite Corporation, assignor to Bakelite Corporation, New York, N. Y. Fountain pens, pencils, pen barrels, etc. 205,924; renewed Nov. 17, 1945. O. G. Sept. 4. Class 37.

Baker, Franklin, Company, Hoboken, N. J., assignor to General Foods Corporation, New York, N. Y. Prepared coconut. 204,581; renewed Oct. 20, 1945. O. G. Sept. 4. Class 46.

Baker, Walter, & Company, Inc.: See—
Baker, Walter, & Company Limited, assignor.

Baker, Walter, & Company Limited, Boston, Mass., assignor, by mesne assignments, to Walter Baker & Company, Inc., Dorchester, Mass. Cocoa, chocolate, broma, etc. 45,728; re-renewed Aug. 29, 1945. O. G. Sept. 4. Class 46.

Ballif, Leonard H., Portland, Oreg., doing business as California Figo Company, Los Angeles, Calif. Preparation for making food beverage. 416,352; Sept. 4; Serial No. 481,936; published June 26, 1945. Class 46.

Baugh Chemical Company, The: See—
Baugh Chemical Company of Baltimore County, Md., The.

Baugh Chemical Company of Baltimore County, Md., The, Baltimore and Baltimore County, by change of name to The Baugh Chemical Company, Baltimore, Md. Chemically-prepared fertilizers. 45,884; re-renewed Aug. 29, 1945. O. G. Sept. 4. Class 10.

Bay State Milling Company, Winona, Minn. Wheat flour. 200,382; renewed June 30, 1945. O. G. Sept. 4. Class 46.

Bear Brand Hosiery Co., Chicago, to Bear Brand Hosiery Co., Kankakee and Chicago, Ill. Textile articles. 199,515; renewed June 9, 1945. O. G. Sept. 4. Class 39.

Beauty Shop Digest: See—
National Mineral Company.

Beaver Products Company, Inc., The, Buffalo, N. Y., assignor to Certain-teed Products Corporation, Chicago, Ill. Plaster. 199,922; renewed June 23, 1945. O. G. Sept. 4. Class 12.

Beaver Products Company, Inc., The, Buffalo, N. Y., assignor to Certain-teed Products Corporation, Chicago, Ill. Finishing plaster. 199,923; renewed June 23, 1945. O. G. Sept. 4. Class 12.

Beaver Products Company, Inc., The, Buffalo, N. Y., assignor to Certain-teed Products Corporation, Chicago, Ill. Plaster. 199,924; renewed June 23, 1945. O. G. Sept. 4. Class 12.

Begley, George, Jr., doing business as Parfum Dalmora, Chicago, Ill. Perfume and cologne. 416,329; Sept. 4; Serial No. 481,043; published June 26, 1945. Class 6.

Begley, George, Jr., doing business as Parfum Dalmora, Chicago, Ill. Perfume and cologne. 416,330; Sept. 4; Serial No. 481,045; published June 26, 1945. Class 6.

Begley, George, Jr., doing business as Parfum Dalmora, Chicago, Ill. Perfume and cologne. 416,331-2; Sept. 4; Serial Nos. 481,049-50; published June 26, 1945. Class 6.

Bemis Bro. Bag Company, St. Louis, Mo. Bags and sacks. 416,343; Sept. 4; Serial No. 481,399; published June 26, 1945. Class 2.

Bendiner & Schlesinger, Inc., New York, N. Y. Periodical. 416,363; Sept. 4. Class 38.

Benjamin Electric Manufacturing Company, Chicago, to Benjamin Electric Mfg. Company, Des Plaines, Ill. Vitreous porcelain enameling on metals and metal castings and forgings. 203,830; renewed Sept. 29, 1945. O. G. Sept. 4. Class 14.

Benjamin Electric Mfg. Company: See—
Benjamin Electric Manufacturing Company.

Berger, Herman, doing business as Standard Pharmaceutical Co., New York, N. Y. Luxatives. 416,233; Sept. 4; Serial No. 474,943; published June 19, 1945. Class 6.

Berning, Charles E., Toledo, Ohio. Household cleaning preparations. 416,265; Sept. 4; Serial No. 478,849; published June 19, 1945. Class 4.

Bienvenu, Rene J., doing business as The Pronto Co., Colfax, La. Hair coloring preparation. 416,268; Sept. 4; Serial No. 479,024; published Apr. 27, 1945. Class 6.

Bissell Carpet Sweeper Company, Grand Rapids, Mich. Toy carpet sweepers. 201,297; renewed July 21, 1945. O. G. Sept. 4. Class 22.

Blanton Milling Company, Indianapolis, Ind. Wheat flour. 26,609; re-renewed May 28, 1945. O. G. Sept. 4. Class 46.

Blue Bell, Inc., Greensboro, N. C. Overalls, jumpers, work jackets, etc. 416,313; Sept. 4; Serial No. 480,644; published June 26, 1945. Class 39.

Bokum Tool Company, Inc., Detroit, Mich. Cutting tools. 416,196; Sept. 4; Serial No. 464,744; published June 26, 1945. Class 23.

Bonwit Teller, Inc., New York, N. Y. Perfumes. 416,341; Sept. 4; Serial No. 481,293; published June 26, 1945. Class 6.

Bosch, Robert, Aktiengesellschaft, Stuttgart, Germany; vested in the Alien Property Custodian, Washington, D. C. to the Alien Property Custodian. Carburetors, fuel pumps, lubricators, etc. 198,925; renewed May 26, 1945. O. G. Sept. 4. Class 23.

Bouquet, Emmy, Laboratory: See—
Mayer, Emmy.

Boyer-Campbell Co., The, Detroit, Mich. Electrically illuminated magnifying lamp. 416,358; Sept. 4. Class 26.

Bradford, Athley: See—
Redlich, Ivo.

Branson Publishing Company, The, Detroit, Mich. Articles published in a continuing series. 416,194; Sept. 4; Serial No. 463,240; published May 15, 1945. Class 38.

Bristol-Myers Company, New York, N. Y. Hand lotion. 416,210; Sept. 4; Serial No. 469,075; published June 26, 1945. Class 6.

Brown & Bigelow, St. Paul, Minn. Periodical. 206,121; renewed Nov. 24, 1945. O. G. Sept. 4. Class 38.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard table cushions. 416,217; Sept. 4; Serial No. 470,753; published June 26, 1945. Class 22.

Budd, Edward C., Manufacturing Company, Philadelphia, Pa. Automobile bodies and automobile body parts. 199,176; renewed June 2, 1945. O. G. Sept. 4. Class 19.

Budlong Manufacturing Company, Auburn, R. I., to Budlong Manufacturing Company, Cranston, R. I. Braids, elastic cords, loop elastics, etc. 205,877; renewed Nov. 17, 1945. O. G. Sept. 4. Class 40.

Buffalo Weaving & Belting Company, Buffalo, N. Y. Woven cotton conveyor and transmission belting. 416,366; Sept. 4. Class 35.

Burden, James H., Oak Park, to Margaret C. Burden, Berkeley, Calif., successor. Pepper. 45,883; re-renewed Aug. 29, 1945. O. G. Sept. 4. Class 46.

Burden, Margaret C.: See—
Burden, James H.

Burke, Frank G., assignor to Manhattan Soap Company, Inc., New York, N. Y. Toilet soap. 47,877; re-renewed Nov. 28, 1945. O. G. Sept. 4. Class 4.

Burlington Brewing Company, Burlington, Wis. Beer. 416,369; Sept. 4. Class 46.

Butzbach, Irwin R., South Bend, Ind. Bananas. 205,067; renewed Nov. 3, 1945. O. G. Sept. 4. Class 46.

California Figo Company: See—
Ballif, Leonard H.

California Hand Prints, Inc., Hermosa Beach, Calif. Table cloths, luncheon sets, and towels, etc. 416,360; Sept. 4. Class 42.

California Raisin Company: See—
Sarkisian, Ben A.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Agricultural parasitides. 416,221; Sept. 4; Serial No. 472,502; published Jan. 16, 1945. Class 6.

Callaway Mills, La Grange, Ga. Cotton trousers. 416,230; Sept. 4; Serial No. 474,577; published June 26, 1945. Class 39.

Campana Corporation, Batavia, Ill. Lipstick and make-up preparations. 416,326; Sept. 4; Serial No. 480,970; published June 26, 1945. Class 6.

Cantor-Greenspan Co., Inc., New York, N. Y. Rayon piece goods. 416,286; Sept. 4; Serial No. 479,865; published June 26, 1945. Class 42.

Capem Machinery Corp.: See—
Cundall, Powell & Mosher, Inc.

Carefree Wear Co., St. Louis, Mo. Women's sportswear and apparel. 416,257; Sept. 4; Serial No. 478,446; published June 19, 1945. Class 39.

Carlisle Garment Co., The, Carlisle, Pa. Women's and misses' dresses, smocks, and housecoats. 416,289; Sept. 4; Serial No. 479,918; published June 26, 1945. Class 39.

Carlson, Grace W., doing business as Piggy Bib Co., St. Paul, Minn. Children's bibs and aprons. 416,222; Sept. 4; Serial No. 472,508; published June 26, 1945. Class 39.

Carmel Oil Co., Inc., New York, N. Y. Grape juice, fruit syrups and chocolate syrup. 416,375; Sept. 4. Class 45.

Carnrick, G. W., Co., Newark, N. J. Heart and respiratory stimulant. 416,242; Sept. 4; Serial No. 476,661; published June 19, 1945. Class 6.

Carnrick, G. W., Co., Newark, N. J. Preparation containing magnesium trisilicate and aluminum hydroxide. 416,275; Sept. 4; Serial No. 479,462; published June 26, 1945. Class 6.

Carter Medicine Company, assignor to Carter Products, Inc., New York, N. Y. Pills. 46,917; re-renewed Oct. 17, 1945. O. G. Sept. 4. Class 6.

Carter Products, Inc.: See—
Carter Medicine Company, assignor.

Cartledge, Christopher, doing business as Original Trenton Cracker Company, Trenton, N. J. Crackers. 206,118; renewed Nov. 24, 1945. O. G. Sept. 4. Class 46.

Centaur Company, The, New York, N. Y., assignor to Sterling Drug Inc., Wilmington, Del. Medicinal preparation. 47,538; re-renewed Nov. 14, 1945. O. G. Sept. 4. Class 6.

Certain-teed Products Corporation: See—
Beaver Products Company, Inc., assignor.

Chabot, A. B., & Co.: See—
Levy, S. M., & Sons, assignor.

Charter Oak Citrus Association, also doing business as San Dimas Fruit Exchange, assignor to Damerel-Allison Company, also doing business as Damerel-Allison Association, Covina, Calif. Fresh citrus fruits. 204,538; renewed Oct. 20, 1945. O. G. Sept. 4. Class 46.

Church & Dwight Company, assignor, by mesne assignments, to Church & Dwight Co. Inc., New York, N. Y. Carbonating-powder. 47,790; re-renewed Nov. 21, 1945. O. G. Sept. 4. Class 6.

Church & Dwight Company, assignor, by mesne assignments, to Church & Dwight Co. Inc., New York, N. Y. Bicarbonate of soda, saleratus, and baking-powder. 47,946; re-renewed Nov. 28, 1945. O. G. Sept. 4. Classes 6 and 46.

Church & Dwight Company, assignor, by mesne assignments, to Church & Dwight Co. Inc., New York, N. Y. Saleratus, bicarbonate of soda, and sal-soda. 47,947; re-renewed Nov. 28, 1945. O. G. Sept. 4. Class 6.

Church & Dwight Co. Inc.: See—
Church & Dwight Company, assignor.

City Fruit & Produce Co.: See—
Sing Wo Kee Co., assignor.

Colgate-Palmolive-Peet Company, The: See—
Palmolive Company, The.

Colman, J. & J., London, England, assignor to J. & J. Colman, Ltd., Norwich, England. Mustard, mustard oil, mustard refuse, etc. 25,989; re-renewed Feb. 5, 1945. O. G. Sept. 4. Classes 6, 10, 15, and 46.

Colman, J. & J., London, assignor to J. & J. Colman, Ltd., Norwich, England. Washing blue. 26,283; re-renewed Mar. 26, 1945. O. G. Sept. 4. Class 6.

Colman, J. & J., London, assignor to J. & J. Colman, Ltd., Norwich, England. Starch. 26,284; re-renewed Mar. 26, 1945. O. G. Sept. 4. Class 6.

Colman, J. & J., Ltd.: See—
Colman, J. & J., assignor.

Coloratone Gray Hair Restorer Co.: See—
Gale, Benjamin T.

Colt's Patent Fire Arms Manufacturing Co.: See—
Johns-Pratt Co., The, assignor.

Concord Products Corporation, Chicago, Ill. Unfinished and partly finished stampings. 416,241; Sept. 4; Serial No. 476,497; published June 19, 1945. Class 14.

Consolidated Cosmetics: See—
Gaumer, John D., assignor.

Consolidated Cosmetics, Chicago, Ill. Face powder, lipstick, and rouge. 416,345; Sept. 4; Serial No. 481,614; published June 26, 1945. Class 6.

Continental Can Company, Inc., New York, N. Y. Card-board, paper, and pasteboard. 416,283; Sept. 4; Serial No. 479,839; published June 26, 1945. Class 2.

Continental Can Company, Inc., New York, N. Y. Metal cans. 416,342; Sept. 4; Serial No. 481,317; published June 26, 1945. Class 2.

Cook, H. C., Company, The, Ansonia, Conn. Articles of stationery hardware. 205,930-1; renewed Nov. 17, 1945. O. G. Sept. 4. Class 37.

Cordo Chemical Corporation, Norwalk, Conn. Protective coating in the nature of paint. 416,239; Sept. 4; Serial No. 475,898; published Jan. 16, 1945. Class 16.

Cornelius, Cora B., Woodhaven, Long Island, to Cora B. Cornelius, Ozone Park, N. Y. Healing salve. 204,703; renewed Oct. 20, 1945. O. G. Sept. 4. Class 6.

Corona Citrus Association, Corona, Calif. Fresh citrus fruits. 205,754; renewed Nov. 17, 1945. O. G. Sept. 4. Class 46.

Cottonluxe Manufacturing Co.: See—
Cottonluxe Manufacturing Co., Inc.

Cottonluxe Manufacturing Co., Inc., to Cottonluxe Manufacturing Co., New York, N. Y., successor. Receptacles. 202,382; renewed Aug. 18, 1945. O. G. Sept. 4. Class 2.

Covina Citrus Association, Covina, Calif. Fresh citrus fruits. 205,767; renewed Nov. 17, 1945. O. G. Sept. 4. Class 46.

Covina Citrus Association, Covina, Calif. Fresh citrus fruits. 205,956; renewed Nov. 17, 1945. O. G. Sept. 4. Class 46.

Crescent Oil Company, Baltimore, Md. Lubricating oil. 205,170; renewed Nov. 3, 1945. O. G. Sept. 4. Class 15.

Crest Fabrics Corp., New York, N. Y. Textile fabrics. 416,235; Sept. 4; Serial No. 475,323; published June 26, 1945. Class 42.

Cromwell Paper Company, The, Chicago, Ill. Mothproof garment bags. 416,306; Sept. 4; Serial No. 480,439; published June 26, 1945. Class 2.

Cundall, Powell & Mosher, Inc., Buffalo, N. Y., by change of name to Capem Machinery Corp. Bottle-capping machines. 199,210; renewed June 2, 1945. O. G. Sept. 4. Class 23.

Curtis, A. W., Jr., Detroit, Mich. Rubbing oil. 416,249; Sept. 4; Serial No. 477,683; published June 26, 1945. Class 6.

Curtis, Helene, Industries: See—
National Mineral Company, The.

Damerel-Allison Association: See—
Charter Oak Citrus Association.

Riley, J. M., Fruit Co.

Damerel-Allison Company: See—
Charter Oak Citrus Association, assignor.

Riley, J. M., Fruit Co., assignor.

Daniels, Claude H., Stamford, Conn. Non-metallic metal-terral supports, arch pads, and heel cushions, etc. 416,229; Sept. 4; Serial No. 474,115; published June 19, 1945. Class 39.

Davis, Bryan, Publishing Company, Inc., New York, N. Y. Monthly magazine. 416,361; Sept. 4. Class 38.

Davis & Lawrence Company, Dobbs Ferry, N. Y. Preparation for coughs and colds. 416,247; Sept. 4; Serial No. 477,260; published June 19, 1945. Class 6.

Davis & Lawrence Company, Dobbs Ferry, N. Y. Ointment. 416,254; Sept. 4; Serial No. 478,208; published June 26, 1945. Class 6.

Daybrook Hydraulic Corporation, The, Bowling Green, Ohio. Hydraulic lift mechanisms. 416,380; Sept. 4. Class 23.

Dayton Pump and Manufacturing Company, The, Dayton, Ohio. Pumps. 203,806; renewed Sept. 29, 1945. O. G. Sept. 4. Class 23.

De Boer & Livingston, Inc., New York, N. Y. Toilet mirrors, stand mirrors, wall mirrors, etc. 416,269; Sept. 4; Serial No. 479,068; published June 26, 1945. Class 32.

De Long Hook and Eye Company, The: See—
De Long Hook & Eye Company, The, assignor.

De Long Hook & Eye Company, The, assignor to The De Long Hook and Eye Company, Philadelphia, Pa. Hooks and eyes. 47,756; re-renewed Nov. 21, 1945. O. G. Sept. 4. Class 40.

Dennis, Martin, Chrome Tannage Company, The, assignor to The Martin Dennis Company, Newark, N. J. Leather-stuffing known as "fat-liquor." 27,264; re-renewed Nov. 19, 1945. O. G. Sept. 4. Class 4.

Dennis, Martin, Company, The: See—
Dennis, Martin, Chrome Tannage Company, The, assignor.

Desmond's: See—
Frankel Bros., assignor.

Detective Comics, Inc., New York, N. Y. Magazine publication. 416,246; Sept. 4; Serial No. 477,221; published June 19, 1945. Class 38.

Detroit Dental Manufacturing Company, Detroit, Mich., by change of name to Kerr Dental Manufacturing Co. Dental medicines and preparations. 204,261; renewed Oct. 13, 1945. O. G. Sept. 4. Class 6.

Detroit Graphite Company, assignor, by mesne assignments, to Detroit Graphite Company, Detroit, Mich. Paints, dry paste, semipaste, and ready mixed. 206,011; renewed Nov. 24, 1945. O. G. Sept. 4. Class 16.

Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfurt-on-the-Main, Germany; vested in the Allen Property Custodian, Washington, D. C. Syringes. 198,932; renewed May 26, 1945. O. G. Sept. 4. Class 23.

Diamond Crystal Salt Co., St. Clair, Mich., assignor to General Foods Corporation, New York, N. Y. Table and dairy salt. 46,309; re-renewed Sept. 12, 1945. O. G. Sept. 4. Class 46.

Diamond Crystal Salt Co., St. Clair, Mich., assignor to General Foods Corporation, New York, N. Y. Table and dairy salt. 46,383; re-renewed Sept. 19, 1945. O. G. Sept. 4. Class 46.

Diamond Paper Co., Ltd., New Orleans, La. Toilet paper. 204,945; renewed Oct. 27, 1945. O. G. Sept. 4. Class 37.

Ditzler Color Co., Detroit, Mich., assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Japan colors, varnishes, primers, etc. 200,457; renewed June 30, 1945. O. G. Sept. 4. Class 16.

Dolphin Company, The, New York, N. Y. Sheets, pillow cases, towels, etc. 416,212; Sept. 4; Serial No. 469,465; published June 26, 1945. Class 42.

Dressing, care, and treatment of the hair, Preparation for use in the County Perfumery Company, Inc. 416,207; Sept. 4; Serial No. 468,663; published June 13, 1944. Class 6.

Dunham Manufacturing Co., New York, N. Y., assignor to The Glidden Company, Cleveland, Ohio. Prepared coconut. 44,398-9; re-renewed July 4, 1945. O. G. Sept. 4. Class 46.

Durain, Jean, Los Angeles, Calif. Women's and children's clothing. 416,372; Sept. 4. Class 39.

Eagle Woodenware Mfg. Co., The, Hamilton, Ohio. Mop wringers. 202,191; renewed Aug. 18, 1945. O. G. Sept. 4. Class 23.

Ecusta Paper Corporation, Pisgah Forest, N. C. Cellulose solvent. 416,283; Sept. 4; Serial No. 478,748; published June 26, 1945. Class 6.

Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquer. 206,207-9; renewed Nov. 24, 1945. O. G. Sept. 4. Class 16.

Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquer. 206,211; renewed Nov. 24, 1945. O. G. Sept. 4. Class 16.

Elcaya Company, Inc., The, Long Island City, to The Elcaya Company, Inc., New York, N. Y. Face powders, face creams, toilet waters, etc. 205,531; renewed Nov. 10, 1945. O. G. Sept. 4. Class 6.

Elco Lubricant Corporation, The, Cleveland, Ohio. Lubricant concentrate. 416,305; Sept. 4; Serial No. 480,408; published June 26, 1945. Class 15.

Elco Tool and Screw Corporation, Rockford, Ill. Wood screws, washer-head screws, machine screws, etc. 206,139; renewed Nov. 24, 1945. O. G. Sept. 4. Class 13.

Electro-King Mfg. Company, Chicago, Ill. Pumps, sump pumps, cellar drainer pumps, etc. 416,261; Sept. 4; Serial No. 478,544; published June 26, 1945. Class 23.

Elgin Softener Corporation, Elgin, Ill. Ion exchanging materials. 416,293; Sept. 4; Serial No. 480,053; published June 26, 1945. Class 6.

Elgin Softener Corporation, Elgin, Ill. Ion exchanging materials. 416,294; Sept. 4; Serial No. 480,055; published June 26, 1945. Class 6.

Eureka Vacuum Cleaner Company, Detroit, Mich. Dusting brush attachments. 416,191; Sept. 4; Serial No. 461,686; published June 26, 1945. Class 23.

Evans, C. H., & Sons, assignor to C. H. Evans & Sons, Hudson, N. Y. Ale. 47,951; re-renewed Nov. 28, 1945. O. G. Sept. 4. Class 48.

Everson, F. E.: See—
Everson, Franklin E.

Everson, Franklin E., doing business as F. E. Everson, New York, N. Y. Chemical preparation used as a water softener. 416,327; Sept. 4; Serial No. 480,982; published June 19, 1945. Class 6.

Fairchild Brothers and Foster, New York, N. Y. Food which is a preparation of the protides of beef. 47,774; re-renewed Nov. 21, 1945. O. G. Sept. 4. Class 6.

Fawcett, Hughes, to Hughes Fawcett, Inc., New York, N. Y., successor. Braids, shoe laces, and hatbands. 205,731; renewed Nov. 17, 1945. O. G. Sept. 4. Class 40.

Fawcett, Hughes, Inc.: See—
Fawcett, Hughes.

Federation Suisse des Associations de Fabricants d'Horlogerie, Blenne, Switzerland. Watch and clock movements. 199,423; renewed June 9, 1945. O. G. Sept. 4. Class 27.

Fidalgio Island Packing Co., Seattle, Wash. Canned salmon. 205,162; renewed Nov. 3, 1945. O. G. Sept. 4. Class 46.

Fidelity Machine Company, Wilmington, Del., and Philadelphia, to Fidelity Machine Company, Philadelphia, Pa. Footer, knitting, and ribbing machines and parts thereof. 206,304; renewed Nov. 24, 1945. O. G. Sept. 4. Class 23.

Firestone Tire & Rubber Company, The, Akron, Ohio. Chemical devulcanizing agent. 416,316; Sept. 4; Serial No. 480,753; published June 19, 1945. Class 6.

Firestone Tire & Rubber Company, The, Akron, Ohio. Self-sealing cells. 416,357; Sept. 4. Class 2.

Fitzger Brewing Company, The: See—
Fitzger Company, The, assignor.

Fitzger Company, The, assignor to The Fitzger Brewing Company, Duluth, Minn. Nonalcoholic, maltless beverages. 200,052; renewed June 23, 1945. O. G. Sept. 4. Class 45.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper towels, paper napkins, etc. 206,152; renewed Nov. 24, 1945. O. G. Sept. 4. Class 37.

Franco-American Hygienic Company, Chicago, Ill. Chemical preparation. 416,250; Sept. 4; Serial No. 477,692; published June 19, 1945. Class 6.

Frankel Bros., New York, N. Y., assignor to Desmond's, Los Angeles, Calif. Men's outer clothing. 206,141; renewed Nov. 24, 1945. O. G. Sept. 4. Class 39.

Franklin Cotton Mill Co., The, Cincinnati, Ohio. Belting commonly employed in industry. 206,315; renewed Nov. 24, 1945. O. G. Sept. 4. Class 35.

French Lick Springs Hotel Co., French Lick, to French Lick Springs Hotel Co., French Lick, Ind., and New York, N. Y. Mineral waters. 47,748-50; re-renewed Nov. 21, 1945. O. G. Sept. 4. Class 45.

French Lick Springs Hotel Co., French Lick, to French Lick Springs Hotel Co., French Lick, Ind., and New York, N. Y. Mineral waters. 47,879; re-renewed Nov. 28, 1945. O. G. Sept. 4. Class 45.

Freund, Joseph, doing business as Joseph Freund Knitting Mill, Guttenberg, N. J. Women's, misses', children's and infants' knitted sweaters. 416,219; Sept. 4; Serial No. 472,279; published Oct. 3, 1944. Class 39.

Freund, Joseph, Knitting Mill: See—
Freund, Joseph.

Freydberg Bros., Inc., New York, N. Y., by change of name to Freyberg Bros.-Strauss, Inc., Stamford, Conn., and New York, N. Y. Textile binding strips or ribbons. 205,905; renewed Nov. 17, 1945. O. G. Sept. 4. Class 42.

Freydberg Bros.-Strauss, Inc.: See—
Freydberg Bros., Inc.

Fuji Trading Company, The, Chicago, Ill. Canned chow mein noodles, bean sprouts, chop-suey vegetables, etc. 201,423; renewed July 28, 1945. O. G. Sept. 4. Class 46.

Gale, Benjamin T., doing business as Coloratone Gray Hair Restorer Co., St. Paul, Minn., assignor to Monroe Chemical Company, Quincy, Ill. Gray-hair color restorer. 205,611; renewed Nov. 10, 1945. O. G. Sept. 4. Class 6.

Gamers Confectionery, Inc., Butte, Mont. Candy, ice cream, and bread, etc. 416,377; Sept. 4. Class 46.

Games of Fame, West Springfield, Mass. Toy consisting of a string having a ball at each end, etc. 416,279; Sept. 4; Serial No. 479,708; published June 26, 1945. Class 22.

Gantz, John C., doing business as Lime Rock Springs Company, Dubuque, Iowa. Nonalcoholic, noncereal, maltless, beverages. 198,522; renewed May 19, 1945. O. G. Sept. 4. Class 45.

Gaslight Follies: See—
Levine, Joseph E.

Gaumer, John D., assignor to Consolidated Cosmetics, Chicago, Ill. Perfume, lipsticks, rouge, etc. 416,307-8; Sept. 4; Serial Nos. 480,447-8; published June 19, 1945. Class 6.

Gayle Cosmetics: See—
Stillman, Harold.

General Foods Corporation: See—
Baker, Franklin, Company, assignor.

Diamond Crystal Salt Co., assignor.

Postum Cereal Co., Limited, assignor.

General Mills, Inc.: See—
Red Star Milling Company, The, assignor.

Washburn Crosby Company, assignor.

Gielow, J. J., & Sons, Inc., Detroit, Mich. Pickles and sweet relishes. 416,258; Sept. 4; Serial No. 478,453; published June 26, 1945. Class 46.

Gilbert, Albert C., doing business as Long Hill Orchard, West Newbury, Mass., to A. C. Gilbert, Jamaica, N. Y. Fresh fruits. 204,559; renewed Oct. 20, 1945. O. G. Sept. 4. Class 46.

Glendora Citrus Association, Glendora, Calif. Fresh citrus fruits. 205,757; renewed Nov. 17, 1945. O. G. Sept. 4. Class 46.

Glenwood Range Company: See—
Weir Stove Company, assignor.

Glidden Company, The: See—
Dunham Manufacturing Co., assignor.

Goldmark, Adolph, & Sons, Corp., New York, N. Y. Canned vegetables. 206,056; renewed Nov. 24, 1945. O. G. Sept. 4. Class 46.

Grace Bros. Brewing Co., Santa Rosa, Calif. Beer and like cereal malt. 416,205; Sept. 4; Serial No. 467,396; published June 12, 1945. Class 48.

Graves, J. J., doing business as Oak Shadows Farms, San Francisco, Calif. Fresh deciduous fruits, fresh grapes, fresh citrus fruits, etc. 199,767; renewed June 16, 1945. O. G. Sept. 4. Class 46.

Great Atlantic & Pacific Tea Company, The: See—
Great Atlantic and Pacific Tea Company, The.

Great Atlantic and Pacific Tea Company, The, Jersey City, N. J., to The Great Atlantic & Pacific Tea Company, New York, N. Y. Canned sardines and canned anchovies. 204,015; renewed Oct. 6, 1945. O. G. Sept. 4. Class 46.

Great Lakes Varnish Works, Inc., Chicago, Ill. Ready-mixed paints, varnish, and paint enamels. 416,333; Sept. 4; Serial No. 481,066; published June 19, 1945. Class 16.

LIST OF REGISTRANTS OF TRADE-MARKS

Gretsch, Fred., Manufacturing Co., The, Brooklyn, N. Y. Saxophones. 205,087; renewed Nov. 3, 1945. O. G. Sept. 4. Class 36.

Grier Manufacturing Co.: See—
Zinn Beck Bat Company.

Grier, Z. C.: See—
Zinn Beck Bat Company.

Griffith Laboratories, Inc., The, Chicago, Ill. Imitation cinnamon. 416,193; Sept. 4; Serial No. 462,114; published June 26, 1945. Class 46.

Haas, Fred & Clark, Inc., Omaha, Nebr. Women's wearing apparel. 416,227; Sept. 4; Serial No. 473,737; published June 26, 1945. Class 39.

Hall & Ruckel, Inc., New York, N. Y. Cream deodorant. 416,243; Sept. 4; Serial No. 476,763; published June 26, 1945. Class 6.

Hall, Steven A., Weston, Vt. Sewing boxes, dough troughs, pin trays, etc. 416,208; Sept. 4; Serial No. 468,255; published June 26, 1945. Class 2.

Hammel, Riglander & Co., by change of name to Hammel, Riglander & Co. Inc., New York, N. Y. Watch glasses. 208,183; renewed Nov. 24, 1945. O. G. Sept. 4. Class 33.

Hammel, Riglander & Co. Inc.: See—
Hammel, Riglander & Co.

Hansen Glove Corporation: See—
Hansen, O. C., Manufacturing Co.

Hansen, O. C., Manufacturing Co., Milwaukee, Wis., by change of name of Hansen Glove Corporation. Men's unlined dress gloves. 205,565; renewed Nov. 10, 1945. O. G. Sept. 4. Class 39.

Harkins, Robert H., doing business as Nott Manufacturing Co., Mount Vernon, N. Y. Insect repellent ointment. 416,201; Sept. 4; Serial No. 466,573; published June 26, 1945. Class 6.

Harris, Mel.: See—
Steinmeyer, Harris, & Co., assignor.

Harris, Mel. Company: See—
Steinmeyer, Harris, & Co.

Hat Corporation of America, Norwalk, Conn. Hats for men. 416,240; Sept. 4; Serial No. 475,955; published June 19, 1945. Class 39.

Hatleigh Sales: See—
Kong, Florence M.

Heath, Willie L., Greensboro, N. C. Medicinal remedy for piles, boils, sores, and analogous ailments. 198,893; renewed May 26, 1945. O. G. Sept. 4. Class 6.

Helburn-Thompson Company, Salem, Mass. Leather. 206,308; renewed Nov. 24, 1925. O. G. Sept. 4. Class 1.

Herman, Louis, & Company, New York, N. Y. Women's lingerie. 416,190; Sept. 4; Serial No. 461,017; published Sept. 21, 1943. Class 39.

Hermaseal Company, The, Elkhart, Ind. Electrical terminals, terminal posts, terminal plates, etc. 416,287; Sept. 4; Serial No. 479,875; published June 26, 1945. Class 21.

Herock Manufacturing Company, assignor to Herock Manufacturing Company, Phoenixville, Pa. Asphaltic paints. 200,747; renewed July 7, 1945. O. G. Sept. 4. Class 16.

Highland Fruit Growers Association, Highland, Calif. Fresh citrus fruits. 205,941; renewed Nov. 17, 1945. O. G. Sept. 4. Class 46.

Himrod Manufacturing Company, New York, N. Y., assignor to Himrod Manufacturing Company, Hoboken, N. J. Medicinal preparation. 27,250; re-renewed Nov. 19, 1945. O. G. Sept. 4. Class 6.

Himrod Manufacturing Company, New York, N. Y., assignor to Himrod Manufacturing Company, Hoboken, N. J. Compound or preparation intended for the relief or cure of asthma, catarrh, and similar affections. 47,801; re-renewed Nov. 21, 1945. O. G. Sept. 4. Class 6.

Hollywood Casuals, Los Angeles, Calif. Women's slacks. 416,270; Sept. 4; Serial No. 479,234; published June 26, 1945. Class 39.

Holophane Company, Inc.: See—
Macbeth, George A., Co., assignor.

Honegger Feed Mills: See—
Honeggers' & Co.

Honeggers' & Co., also doing business as Honegger Feed Mills, Forrest, Ill. Laying mash for poultry. 416,290; Sept. 4; Serial No. 479,976; published June 26, 1945. Class 46.

Hood, H. P. & Sons, Inc., Boston, to H. P. Hood & Sons, Inc., Charlestown, Boston, Mass. Ice cream. 204,599; renewed Oct. 20, 1945. O. G. Sept. 4. Class 46.

Hornstein Sales, Chicago, Ill. Monthly merchandising medium magazine. 416,209; Sept. 4; Serial No. 463,675; published June 12, 1945. Class 38.

Hudnut, Richard, New York, N. Y. Emollient cream. 416,245; Sept. 4; Serial No. 476,801; published June 26, 1945. Class 6.

Hudson, J. L., Company, The, Detroit, Mich. Hosiery. 416,299; Sept. 4; Serial No. 480,321; published June 26, 1945. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Wardrobe trunks, wardrobe cases, suitcases, etc. 416,376; Sept. 4. Class 3.

Hunt, C. B., & Son, Salem, Ohio. Polishing wheel adapted to be operated on a mechanical shaft. 416,255; Sept. 4; Serial No. 478,390; published June 19, 1945. Class 4.

Hydrosal Company: See—
Hydrosal Laboratories Co., The, assignor.

Hydrosal Laboratories Co., The, assignor, by mesne assignments, to Hydrosal Company, Cincinnati, Ohio. Antiseptics and deodorants. 204,949; renewed Oct. 27, 1945. O. G. Sept. 4. Class 6.

Imperial Hosiery Co., assignor to Autenreith Company, Pittsburgh, Pa. Hosiery. 204,539; renewed Oct. 20, 1945. O. G. Sept. 4. Class 39.

Improved Products Inc., Culver City and Los Angeles, Calif. Food beverage. 416,234; Sept. 4; Serial No. 475,054; published June 26, 1945. Class 46.

India Alkali Works, Boston, Mass., by change of name to The Savogran Company. Cleaning preparations. 205,173; renewed Nov. 3, 1945. O. G. Sept. 4. Class 4.

Indian Refining Company, Incorporated, Lawrenceville, Ill., and New York, assignor to The Texas Company, New York, N. Y. Gasoline and kerosene. 201,432; renewed July 28, 1945. O. G. Sept. 4. Class 15.

Indium Corporation of America, The, Utica, N. Y. Chemicals and solutions. 416,337; Sept. 4; Serial No. 481,225; published June 26, 1945. Class 6.

Industrial Undergarment Corporation, Poughkeepsie, N. Y. Ladies' wearing apparel. 416,187; Sept. 4; Serial No. 456,800; published Jan. 25, 1944. Class 39.

Inflico Incorporated, Chicago, Ill. Automatic apparatus for use in connection with filters, zeolite softeners, etc. 416,223; Sept. 4; Serial No. 473,028; published June 26, 1945. Class 26.

Ingelhart Brothers Incorporated: See—
Phoenix Flour Mill, assignor.

Integrity Paint Co., The, New Haven, Conn. Paste paint and ready-mixed paint. 195,239; renewed Feb. 17, 1945. O. G. Sept. 4. Class 16.

International Paper Company, assignor to International Paper Company, New York, N. Y. Wax, writing, and printing paper. 205,894; renewed Nov. 17, 1945. O. G. Sept. 4. Class 37.

International Smelting and Refining Company: See—
Lewisohn Brothers.

Iroquois Canning Corporation, to Onarga Canning Company, Incorporated, Onarga, Ill., successor. Canned vegetables. 199,411; renewed June 9, 1945. O. G. Sept. 4. Class 46.

Irvine Citrus Association, The, Tustin, to The Irvine Citrus Association, Santa Ana, Calif. Fresh citrus fruits. 205,945; renewed Nov. 17, 1945. O. G. Sept. 4. Class 46.

Jacks-Evans Manufacturing Company, St. Louis, Mo. Portable ovens. 206,302; renewed Nov. 24, 1945. O. G. Sept. 4. Class 34.

Jacobs Brothers, assignor to Jacobs Brothers, Incorporated, Baltimore, Md. Women's children's, and misses' aprons, dresses, and uniforms. 203,837; renewed Sept. 29, 1945. O. G. Sept. 4. Class 39.

Jacobs Brothers, Incorporated: See—
Jacobs Brothers, assignor.

Jambor Tool & Stamping Company, Milwaukee, Wis. Automobile repair and replacement parts. 416,197; Sept. 4; Serial No. 464,819; published June 26, 1945. Class 21.

Johns-Manville Corporation: See—
Johns-Manville, Incorporated, assignor.

Johns-Manville, Incorporated, assignor, by mesne assignments, to Johns-Manville Corporation. Asphalt roofing. 201,677; renewed Aug. 4, 1945. O. G. Sept. 4. Class 12.

Johns-Manville, Incorporated, assignor, by mesne assignments, to Johns-Manville Corporation, New York, N. Y. Cellular insulating material. 201,733; renewed Aug. 4, 1945. O. G. Sept. 4. Class 12.

Johns-Pratt Co., The, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Molded or compressed articles containing asbestos. 46,065; re-renewed Sept. 5, 1945. O. G. Sept. 4. Classes 12 and 35.

Johnson, S. C., & Son, Inc., Racine, Wis. Aqueous and nonaqueous wax emulsions. 416,291; Sept. 4; Serial No. 479,931; published June 26, 1945. Class 6.

Jordan, Walter A., Chicago, Ill. Permanent wave solutions. 416,244; Sept. 4; Serial No. 476,768; published May 8, 1945. Class 6.

Joseph & Felas Co., The, Cleveland, Ohio. Men's and young men's suits, trousers, and overcoats. 206,067; renewed Nov. 24, 1945. O. G. Sept. 4. Class 39.

Kazan, Aaron, New York, N. Y. Ladies' fur coats. 416,320; Sept. 4; Serial No. 480,827; published June 26, 1945. Class 39.

Karen Sue Togs: See—
Levine, Harry.

Katzman, James R.: See—
Adams Equipment Company, Inc., assignor.

Kaylite Co., The, New York, N. Y. Friction fluid-spark vapor pocket lighter. 416,344; Sept. 4; Serial No. 481,414; published June 26, 1945. Class 34.

Kerr Dental Manufacturing Co.: See—
Detroit Dental Manufacturing Company.

King, John, & Son, assignor to John King & Son Limited, Glasgow, Scotland. Hollands being cotton piece goods. 199,639; renewed June 16, 1945. O. G. Sept. 4. Class 42.

LIST OF REGISTRANTS OF TRADE-MARKS

King, John, & Son Limited: See—
King, John, & Son, assignor.

Kingman & Co. Incorporated, Indianapolis, Ind. Spiced luncheon meat. 416,200; Sept. 4; Serial No. 465,871; published June 26, 1945. Class 46.

Kong, Florence M., doing business as Hatleigh Sales, Hilo, Hawaii. Woven purses. 416,256; Sept. 4; Serial No. 478,394; published June 26, 1945. Class 3.

Koppers Company, Inc., Kearny, N. J. Blocks of para-dichlorobenzene. 416,251; Sept. 4; Serial No. 477,889; published June 26, 1945. Class 6.

Korle, Inc., New York, N. Y. Fibre and wooden shoe cabinets, lingerie cabinets, boudoir accessory cabinets, etc. 416,264; Sept. 4; Serial No. 478,819; published June 26, 1945. Class 32.

Kunkel, Gustav C., Buffalo, N. Y. Blank books. 205,773; renewed Nov. 17, 1945. O. G. Sept. 4. Class 37.

Lakeside Laboratories, Inc., Milwaukee, Wis. Stable aqueous solution. 416,300; Sept. 4; Serial No. 480,329; published June 26, 1945. Class 6.

Lambert Pharmaceutical Company, Wilmington, Del., and St. Louis, Mo. Anti-perspirant and deodorant cream. 416,259; Sept. 4; Serial No. 478,460; published June 26, 1945. Class 6.

Lansdowne Distillery, The, Havre de Grace and Baltimore, Md. Whiskey, brandy, gin, and liqueur. 416,382; Sept. 4. Class 49.

La Verne Co-operative Citrus Association, La Verne, Calif. Fresh citrus fruits. 204,645; renewed Oct. 20, 1945. O. G. Sept. 4. Class 46.

Left Brothers Dry Goods and Notions Company, Houston, Tex. Mufflers, ties, cravats, etc. 205,738; renewed Nov. 17, 1945. O. G. Sept. 4. Class 39.

Leffingwell Rancho Lemon Association, Whittier, Calif. Fresh citrus fruits. 205,762; renewed Nov. 17, 1945. O. G. Sept. 4. Class 46.

Leiner, George S., & Co., doing business as Puritan Rug Co., New York, N. Y. Carpets and rugs. 416,301; Sept. 4; Serial No. 480,339; published June 26, 1945. Class 42.

Lelong, Lucien, Inc., Chicago, Ill. Perfume. 416,346; Sept. 4; Serial No. 481,633; published June 26, 1945. Class 6.

Lennox Manufacturing Co., St. Louis, Mo. Hand bags. 416,356; Sept. 4. Class 3.

Leonard Clothing Co., Inc., New York, N. Y. Boys' suits, pants, and coats. 416,276; Sept. 4; Serial No. 479,581; published June 26, 1945. Class 39.

Levine, Harry, doing business as Karen Sue Togs, Cleveland, Ohio. Children's skirts, jumpers, dresses, and blouses. 416,336; Sept. 4; Serial No. 481,150; published June 19, 1945. Class 39.

Levine, Joseph E., doing business as Gaslight Follies, Boston, Mass. Moving pictures. 416,288; Sept. 4; Serial No. 479,886; published June 26, 1945. Class 26.

Livy-Blum & Goldschmidt Corp., New York, N. Y. Women's and misses' coats and suits. 416,315; Sept. 4; Serial No. 480,711; published June 26, 1945. Class 39.

Livy, S. M., & Sons, assignor to A. B. Chabot & Co., New York, N. Y. Handkerchiefs. 416,199; Sept. 4; Serial No. 465,508; published Apr. 18, 1944. Class 39.

Lewisohn Brothers, New York, N. Y., to International Smelting and Refining Company, Perth Amboy, N. J. Copper-Ingots. 26,620; re-renewed May 28, 1945. O. G. Sept. 4. Class 14.

Life Savers Corporation: See—
Life Savers, Inc., assignor.

Life Savers, Inc., assignor, by mesne assignments, to Life Savers Corporation, Port Chester, N. Y. Cough drops and tablets. 205,868; renewed Nov. 17, 1945. O. G. Sept. 4. Class 6.

Life Savers, Inc., assignor, by mesne assignments, to Life Savers Corporation, Port Chester, N. Y. Malt extract. 205,873; renewed Nov. 17, 1945. O. G. Sept. 4. Class 46.

Life Savers, Inc., assignor, by mesne assignments, to Life Savers Corporation, Port Chester, N. Y. Cigars, cigarettes, smoking and chewing tobacco. 206,029; renewed Nov. 24, 1945. O. G. Sept. 4. Class 17.

Lime Rock Springs Company: See—
Gantz, John C.

London, Midland & Scottish Imports, Ltd., New York, N. Y. Men's and women's suits, coats and jackets, etc. 416,317; Sept. 4; Serial No. 480,777; published June 26, 1945. Class 39.

Long Hill Orchard: See—
Gilbert, Albert C.

Lorain Products Co., Inc.: See—
Raquel, Incorporated, assignor.

Lord and Burnham Company, Irvington-on-Hudson, to Lord and Burnham Company, Irvington, N. Y. Greenhouse-ventilating apparatus. 206,248; renewed Nov. 24, 1945. O. G. Sept. 4. Class 34.

Louisiana Oil Refining Corporation, Richmond, Va., and Shreveport, assignor to Arkansas Fuel Oil Company, Shreveport, La. Gasoline, kerosene, naphtha, etc. 198,723; renewed May 26, 1945. O. G. Sept. 4. Class 15.

Louisiana Oil Refining Corporation, Richmond, Va., and Shreveport, assignor to Arkansas Fuel Oil Company, Shreveport, La. Gasoline, kerosene, naphtha, etc. 198,726; renewed May 26, 1945. O. G. Sept. 4. Class 15.

Lowe, B. S., Company, Inc., New York, N. Y. Game apparatus. 416,272-3; Sept. 4; Serial Nos. 479,290-1; published June 26, 1945. Class 22.

Lucas, John, & Company, Inc.: See—
Lucas, John, & Co., Inc.

Lucas, John, & Co., Inc., to John Lucas & Company, Inc., Philadelphia, Pa. Ready-mixed paint. 196,299; renewed Mar. 17, 1945. O. G. Sept. 4. Class 18.

Lumar Products Company, Bridgeport, Conn. Household cleanser. 416,226; Sept. 4; Serial No. 473,568; published June 26, 1945. Class 4.

Lutz, Max, Nampa, Idaho. Fresh vegetables and fresh deciduous fruits. 416,373; Sept. 4. Class 46.

Lutz, Raymond H., doing business as Aero Reproductions of New England, Bridgeport, Conn. Blueprints, photo-tracings, Van Dyke prints, etc. 416,206; Sept. 4; Serial No. 468,328; published June 12, 1945. Class 38.

Luxor, Ltd.: See—
Armour and Company.

Macbeth, George A., Co., Pittsburgh, Pa., assignor, by mesne assignments, to Holophane Company, Inc., New York, N. Y. Globes, shades, and light-inclosures, all glassware. 27,112; re-renewed Oct. 1, 1945. O. G. Sept. 4. Class 34.

MacGregor Men's Toiletries, Inc., New York, N. Y. After shave lotion, hair dressing, etc. 416,335; Sept. 4; Serial No. 481,116; published June 26, 1945. Class 6.

Madera Bonded Wine & Liquor Company: See—
Steinbach, Samuel.

Mallory Hat Company, The, Danbury, Conn. Straw and felt hats for men, women, and children. 205,464; renewed Nov. 10, 1945. O. G. Sept. 4. Class 39.

Manhattan Soap Company, Inc.: See—
Burke, Frank G., assignor.

Mayer, Emmy, doing business as Emmy Bouquet Laboratory, San Francisco, Calif. After shave lotion. 416,253; Sept. 4; Serial No. 478,162; published June 26, 1945. Class 6.

Mayflower Mills, Fort Wayne, Ind. Wheat-flour. 45,564; re-renewed Aug. 22, 1945. O. G. Sept. 4. Class 46.

McConnon and Company, Winona, Minn. An ingredient used in the manufacture of insecticides. 416,354; Sept. 4; Serial No. 482,210; published June 26, 1945. Class 6.

McDermott, Paul I., doing business as The Quartet Co., St. Paul, Minn. Nonalcoholic, maltless beverages. 416,225; Sept. 4; Serial No. 473,422; published June 19, 1945. Class 45.

McLeod & Henry Co., assignor to McLeod & Henry Co., Inc., Troy, N. Y. Clay fire-bricks. 45,649; re-renewed Aug. 22, 1945. O. G. Sept. 4. Class 12.

McLeod & Henry Co., Inc.: See—
McLeod & Henry Co., assignor.

Mengel Company, The, Louisville, Ky. Plywood and veneered lumber. 206,261; renewed Nov. 24, 1945. O. G. Sept. 4. Class 12.

Mentholum Company, The: See—
Yucca Co., The, assignor.

Mercury Aircraft Inc.: See—
Aerial Service Corporation.

Millus, E., & Co., Inc., New York, N. Y. Rayon piece goods. 416,266; Sept. 4; Serial No. 478,888; published June 26, 1945. Class 42.

Millers Falls Company, Millers Falls, Mass., and New York, N. Y., to Millers Falls Company, Greenfield, Mass. Hollow augers, spokeshaves, hand drills, etc. 198,790; renewed May 26, 1945. O. G. Sept. 4. Class 28.

Minneapolis Knitting Works, Minneapolis, Minn. Infants' and children's knitted underwear and knitted sleeping garments, etc. 206,296; renewed Nov. 24, 1945. O. G. Sept. 4. Class 39.

Missouri Valley Milling Company, Mandan, N. Dak., assignor, by mesne assignments, to Russell-Miller Milling Co., Minneapolis, Minn. Wheat-flour. 45,498; re-renewed Aug. 22, 1945. O. G. Sept. 4. Class 46.

Modern Plastics, Inc., New York, N. Y. Section in a periodical publication. 416,359; Sept. 4. Class 38.

Mono Chemical Company, Chicago, Ill. Roach powder. 416,292; Sept. 4; Serial No. 479,983; published June 26, 1945. Class 6.

Monroe Chemical Company: See—
Gale, Benjamin T., assignor.

Morkrum-Kleinschmidt Corporation, by change of name to Teletype Corporation, Chicago, Ill. Printing-teletype apparatus. 202,003; renewed Aug. 11, 1945. O. G. Sept. 4. Class 21.

Mount Carbon Brewery: See—
Mount Carbon Manufacturing and Supply Company.

Mount Carbon Manufacturing and Supply Company, doing business as Mount Carbon Brewery, Pottsville, Pa. Beer. 416,374; Sept. 4. Class 48.

Murine Company, Inc., The: See—
Murine Eye Remedy Company.

Murine Eye Remedy Company, The, by change of name to The Murine Company, Inc., Chicago, Ill. Eye remedies. 47,813; re-renewed Nov. 21, 1945. O. G. Sept. 4. Class 6.

Nash & Kinella Laboratories, Inc., St. Louis, Mo. Liquid rodent repellent. 416,224; Sept. 4; Serial No. 480,183; published July 3, 1945. Class 6.

Nashua Manufacturing Company: See—
Tremont & Suffolk Mills, assignor.

Nast, Conde, Publications, Inc., The, New York, N. Y. Printed advertising signs. 206,142; renewed Nov. 24, 1945. O. G. Sept. 4. Class 38.

National Biscuit Company, Jersey City, N. J., and New York, to National Biscuit Company, New York, N. Y. Biscuits, wafers, crackers, etc. 206,631; renewed July 7, 1945. O. G. Sept. 4. Class 46.

National Biscuit Company, New York, N. Y. Biscuits, crackers, cakes and wafers. 202,930; renewed Sept. 8, 1945. O. G. Sept. 4. Class 46.

National Lead Company, New York, N. Y. Processed fatty oils. 416,214-15; Sept. 4; Serial Nos. 470,228-9; published June 26, 1945. Class 16.

National Macaroni Manufacturers' Association, Braidwood, Ill. Magazine or periodical published monthly. 203,469; renewed Sept. 22, 1945. O. G. Sept. 4. Class 38.

National Mineral Company, The, Chicago, Ill. Picture projection equipment and accessories, etc. 416,347; Sept. 4; Serial No. 481,645; published June 26, 1945. Class 26.

National Mineral Company, The, doing business as Helene Curtis Industries and Beauty Shop Digest, Chicago, Ill. Periodical publication. 416,367; Sept. 4. Class 38.

New Products Laboratories: See—
Wilhelm, Warren F.

Nicholson File Company, Providence, R. I. Files and rasps. 47,233; re-renewed Oct. 31, 1945. O. G. Sept. 4. Class 23.

Nicholson, Louis G., doing business as The Releasall Company, to The Releasall Company, Montreal, Quebec, Canada, successor. Rust solvent and penetrating oil. 197,653; renewed Apr. 21, 1945. O. G. Sept. 4. Class 6.

Norton Company, Worcester, Mass. Abrasive products. 416,284; Sept. 4; Serial No. 479,855; published June 10, 1945. Class 4.

Nott Manufacturing Co.: See—
Harkins, Robert H.

Noxema Chemical Co., Baltimore, Md. Preparation for the treatment of skin irritation. 416,334; Sept. 4; Serial No. 481,076; published June 26, 1945. Class 6.

Nu-Fashion Underwear Corp., New York, N. Y. Ladies' and misses' slips, nightgowns, pajamas, and bed jackets. 416,232; Sept. 4; Serial No. 474,917; published June 26, 1945. Class 39.

Oakland Chemical Company, Inc., The, New York, N. Y. Antiseptic, germicide, and deodorizer. 416,195; Sept. 4; Serial No. 463,357; published June 26, 1945. Class 6.

Oak Shadows Farms: See—
Graves, J. J.

Od Peacock Sultan Company: See—
Sultan Drug Co., assignor.

Old Ben Coal Corporation, Chicago, Ill. Coal. 206,231-2; renewed Nov. 24, 1945. O. G. Sept. 4. Class 1.

Old Town Ribbon & Carbon Co., Inc., Brooklyn, N. Y. Record carbon paper, spirit carbon paper, hectograph carbon paper, etc. 416,285; Sept. 4; Serial No. 479,856; published June 19, 1945. Class 11.

Olympic Knitwear Inc., New York, N. Y. Sweaters. 416,262; Sept. 4; Serial No. 478,721; published June 26, 1945. Class 39.

Olympic Knitwear Inc., New York, N. Y. Knitted sweaters. 416,318; Sept. 4; Serial No. 480,785; published June 26, 1945. Class 39.

Onarga Canning Company Incorporated: See—
Iroquois Canning Corporation.

Orange Co-Operative Citrus Association, assignor.
Orange Mutual Citrus Association, assignor.

Orange Mutual Citrus Association, assignor to Orange Co-Operative Citrus Association, Orange, Calif. Fresh citrus fruits. 205,759; renewed Nov. 17, 1945. O. G. Sept. 4. Class 46.

Original Trenton Cracker Company: See—
Cartledge, Christopher.

Ostermoor & Co., New York, N. Y., assignor to Ostermoor & Company, Inc., Bridgeport, Conn. Mattresses, pillows, cushions, etc. 47,830; re-renewed Nov. 21, 1945. O. G. Sept. 4. Class 32.

Ostermoor & Co., New York, N. Y., assignor to Ostermoor & Company, Inc., Bridgeport, Conn. Mattresses, pillows, cushions, and hassocks. 47,832; re-renewed Nov. 21, 1945. O. G. Sept. 4. Class 32.

Ostermoor & Company, Inc.: See—
Ostermoor & Co., assignor.

Ozonol Chemical Co., to The Ozonol Co., Odessa, Mo., successor. Ointment for the cure of skin diseases. 44,793; re-renewed July 25, 1945. O. G. Sept. 4. Class 6.

Ozonol Co., The: See—
Ozonol Chemical Co.

Package Advertising Company, The: See—
Taylor, Henry J.

Packaging Catalog Corp., New York, N. Y. Publication. 416,368; Sept. 4. Class 38.

Palmolive Company, The, Chicago, Ill., by change of name to Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet and shaving soaps. 205,739; renewed Nov. 17, 1945. O. G. Sept. 4. Class 4.

Parfum Dalmora: See—
Begley, George, Jr.

Parfums D'Artimon: See—
Wilde, John F.

Parke, Davis & Company, Detroit, Mich. Liquid petroleum. 200,924; renewed July 14, 1945. O. G. Sept. 4. Class 6.

Parke, Davis & Company, Detroit, Mich. Tincture of digitalis. 203,377; renewed Sept. 15, 1945. O. G. Sept. 4. Class 6.

Parke, Davis & Company, Detroit, Mich. Analgesic and antiseptic dental preparation. 205,487; renewed Nov. 10, 1945. O. G. Sept. 4. Class 6.

Parke, Davis & Company, Detroit, Mich. Rat virus. 205,488; renewed Nov. 10, 1945. O. G. Sept. 4. Class 6.

Parke, Davis & Company, Detroit, Mich. Anti-convulsant preparation. 416,252; Sept. 4; Serial No. 477,895; published June 26, 1945. Class 6.

Parke, Davis & Company, Detroit, Mich. Mineral vitamin preparation. 416,260; Sept. 4; Serial No. 478,468; published June 26, 1945. Class 6.

Pauley, Edwin W.: See—
Pauley Oil Company.

Pauley Oil Company, to Edwin W. Pauley, Los Angeles, Calif., successor. Gasoline. 203,333; renewed Sept. 15, 1945. O. G. Sept. 4. Class 15.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Oil of vitriol, sulphuric acid, ammonium persulfate, etc. 416,213; Sept. 4; Serial No. 469,940; published Aug. 29, 1944. Class 6.

Petroleum Heat and Power Company: See—
American Nokol Company, assignor.

Phoenix Flour Mill, Evansville, Ind., assignor to Igleheart Brothers Incorporated, New York, N. Y. Wheat flour. 25,497; re-renewed Aug. 22, 1945. O. G. Sept. 4. Class 46.

Piggy Bib Co.: See—
Carlson, Grace W.

Pittsburgh Plate Glass Company: See—
Ditzler Color Co., assignor.

Postum Cereal Co., Limited, Battle Creek, Mich., assignor to General Foods Corporation, New York, N. Y. Sugar. 47,531; re-renewed Nov. 7, 1945. O. G. Sept. 4. Class 46.

Priess, John L., Chicago, Ill. Perfume, cologne, toilet water, etc. 416,321; Sept. 4; Serial No. 480,837; published June 26, 1945. Class 6.

Pronto Co., The: See—
Bienvenu, Rene J.

Prucide Laboratories: See—
Triolo, Peter.

Pujos, Jeanne Juliette Gabrielle: See—
Roblot, Gaston Victor Clement, assignor.

Puritan Rug Co.: See—
Leiner, George S., & Co.

Pyrophobe Laboratories: See—
Soloff, Samuel.

Quartet Co., The: See—
McDermott, Paul I.

Quinebaug Company, The, Danielson, Conn., to Wauregan Mills, Incorporated, Wauregan, Conn., successor. Cotton piece goods. 206,313; renewed Nov. 24, 1945. O. G. Sept. 4. Class 42.

Quinlan, Kathleen Mary, Inc., New York, N. Y. Lipstick, rouge, face powder, etc. 416,302; Sept. 4; Serial No. 480,382; published June 5, 1945. Class 6.

Raphael Electric & Engineering Co.: See—
Raphael, Ralph.

Raphael, Ralph, doing business as Raphael Electric & Engineering Co., Pittsburgh, Pa. Wooden toys. 416,364; Sept. 4. Class 22.

Raquel, Incorporated, assignor, by mesne assignments, to Lorain Products Co., Inc., New York, N. Y. Perfumes, toilet water, toilet powders, etc. 201,269; renewed July 21, 1945. O. G. Sept. 4. Class 6.

Re-Bo Manufacturing Company: See—
Adams Equipment Company, Inc.

Red Fox Ginger Ale Co., Providence, R. I. Non-alcoholic, non-cereal, maltless beverages, and sirups and extracts for making same. 416,381; Sept. 4. Class 45.

Redlich, Ivo., doing business as Athley Bradford, Los Angeles, Calif. Cologne. 416,296; Sept. 4; Serial No. 480,189; published June 26, 1945. Class 6.

Redmond, A. G., Co., Owosso, Mich. Semi-fabricated stampings. 416,238; Sept. 4; Serial No. 475,665; published June 19, 1945. Class 14.

Red Star Milling Company, The, Wichita, Kans., assignor to General Mills, Inc., Minneapolis, Minn. Self-rising wheat flour. 206,226; renewed Nov. 24, 1945. O. G. Sept. 4. Class 46.

Releasall Company, The: See—
Nicholson, Louis G.

Respondex Cut-Rate Pharmacy: See—
Respondex, John E.

Respondex, John E., doing business as Respondex Cut-Rate Pharmacy, Detroit, Mich. Herb tea. 416,282; Sept. 4; Serial No. 479,811; published June 26, 1945. Class 6.

Retail Stores Service, Inc., Baltimore, Md., assignor to Air King Products Co. Inc., New York, N. Y. Television receiving sets. 416,184; Sept. 4; Serial No. 421,581; published Sept. 19, 1945. Class 21.

Richkraft Company, The, Chicago, Ill. Building paper and concrete curing compounds. 416,204; Sept. 4; Serial No. 466,931; published June 26, 1945. Class 12.

Riley, J. M., Fruit Co., assignor to Damerel-Allison Company, also doing business as Damerel-Allison Association, Covina, Calif. Fresh citrus fruits. 204,803; renewed Oct. 27, 1945. O. G. Sept. 4. Class 46.

Riley, J. M., Fruit Co., assignor to Damerel-Allison Company, also doing business as Damerel-Allison Association, Covina, Calif. Fresh citrus fruits. 206,310; renewed Nov. 24, 1945. O. G. Sept. 4. Class 46.

Roblot, Gaston Victor Clement, assignor to Jeanne Juliette Gabrielle Pujos, Paris, France. Ladies' hats. 201,155; renewed July 21, 1945. O. G. Sept. 4. Class 39.

Ross & Hurdus, New York, N. Y. Ladies' and misses' blouses, dresses, skirts, etc. 416,314; Sept. 4; Serial No. 480,678; published June 26, 1945. Class 39.

Rothschild & Sons, Inc., Kansas City, Mo. Men's full-dress and tuxedo suits. 206,120; renewed Nov. 24, 1945. O. G. Sept. 4. Class 39.

Rubsam & Herrmann Brewing Co., Stapleton, N. Y. Cereal beverage. 206,148; renewed Nov. 24, 1945. O. G. Sept. 4. Class 48.

Russell-Miller Milling Co.: See—
Missouri Valley Milling Company, assignor.

Russell-Miller Milling Co., assignor to Russell-Miller Milling Co., Minneapolis, Minn. Shorts wheat middlings. 202,927; renewed Sept. 8, 1945. O. G. Sept. 4. Class 46.

S and W Fine Foods, Inc.: See—
Sussman, Wormser & Co.

Saks & Company, New York, N. Y. Women's and misses' shoes. 416,295; Sept. 4; Serial No. 480,146; published June 19, 1945. Class 39.

San Diego Glass & Paint Co., San Diego, Calif. Ready mixed paints, varnish, lacquer, etc. 416,267; Sept. 4; Serial No. 478,905; published June 26, 1945. Class 16.

San Dimas Fruit Exchange: See—
Charter Oak Citrus Association.

Sandoz Chemical Co. Ltd., The, Bradford, England. Liquid chemical preparation. 201,923; renewed Aug. 11, 1945. O. G. Sept. 4. Class 4.

Sarkisian, Ben A., doing business as California Raisin Company, Fresno, Calif. Raisins. 416,348; Sept. 4; Serial No. 481,651; published June 26, 1945. Class 46.

Savogran Company, The: See—
India Alkali Works.

Schild, Wm., Mfg. Co., St. Louis, Mo., assignor to B. T. Babbitt, Inc., Albany and New York, N. Y. Lye. 205,527; renewed Nov. 10, 1945. O. G. Sept. 4. Class 6.

Schild, Wm., Mfg. Co., St. Louis, Mo., assignor to B. T. Babbitt, Inc., Albany and New York, N. Y. Lye. 205,851-2; renewed Nov. 17, 1945. O. G. Sept. 4. Class 6.

Seabury, Inc.: See—
Seabury & Johnson.

Seabury & Johnson, East Orange, N. J., and New York, N. Y., by change of name to Seabury, Inc., New Brunswick, N. J. Plasters. 44,811; re-renewed July 25, 1945. O. G. Sept. 4. Class 6.

Seabury & Johnson, East Orange, N. J., and New York, N. Y., by change of name to Seabury, Inc., New Brunswick, N. J. Medicinal, surgical and antiseptic plasters and dressings. 44,812; re-renewed July 25, 1945. O. G. Sept. 4. Class 44.

Sexton, John, and Co., Chicago, Ill. Rice, prepared mustard, and tomato catchup. 200,334; renewed June 30, 1945. O. G. Sept. 4. Class 46.

Shnapier, Wilbur, doing business as The Waytol Co., New York, N. Y. Underarm deodorant. 416,353; Sept. 4; Serial No. 481,962; published June 19, 1945. Class 6.

Sholl Dental Laboratory Company, Houston, Tex. Dentures. 416,186; Sept. 4; Serial No. 453,685; published Aug. 11, 1942. Class 44.

Sing Wo Kee Co., assignor to City Fruit & Produce Co., San Francisco, Calif. Fresh vegetables. 200,964; renewed July 14, 1945. O. G. Sept. 4. Class 46.

Smith-Alsop Paint & Varnish Company, The, Terre Haute, Ind. Paste and ready-mixed paints. 206,095; renewed Nov. 24, 1945. O. G. Sept. 4. Class 16.

Soloff, Samuel, doing business as Pyrophobe Laboratories, Brooklyn, N. Y. Preparation for pyorrhea alveolaris, chronic ulceration, etc. 416,323; Sept. 4; Serial No. 480,931; published June 26, 1945. Class 6.

Solomon Bros. Co., New York, N. Y. Shoulder pads. 416,312; Sept. 4; Serial No. 480,625; published June 26, 1945. Class 40.

Solomon Bros. Co., New York, N. Y. Men's and women's sport jackets and shirts. 416,319; Sept. 4; Serial No. 480,800; published June 19, 1945. Class 39.

Sorbello, Andrew J., New York, N. Y. Fresh celery. 198,774; renewed May 26, 1945. O. G. Sept. 4. Class 46.

Southern Banker Publishing Co., The, assignor to The Southern Banker Publishing Company, Atlanta, Ga. Periodical. 202,008; renewed Aug. 11, 1945. O. G. Sept. 4. Class 38.

Southern Banker Publishing Company, The: See—
Southern Banker Publishing Co., The, assignor.

Southwestern Broom Manufacturing Co. Inc., The: See—
Southwestern Broom Mfg. Co., The.

Southwestern Broom Mfg. Co., The, Evansville, Ind., by change of name to The Southwestern Broom Manufacturing Co. Inc. Brooms and whisk-brushes. 47,736; re-renewed Nov. 14, 1945. O. G. Sept. 4. Class 29.

Southwestern Broom Mfg. Co., The, Evansville, Ind., by change of name to The Southwestern Broom Manufacturing Co. Inc. Brooms and whisk-brushes. 47,841; re-renewed Nov. 21, 1945. O. G. Sept. 4. Class 29.

Spencer Thermostat Company, Cambridge, to Spencer Thermostat Company, Attleboro, Mass. Water, steam, and gas valves. 204,291; renewed Oct. 13, 1945. O. G. Sept. 4. Class 13.

Squire Dingee Company, Chicago, Ill. Jellies, jams, fruit butters, etc. 198,687-8; renewed May 26, 1945. O. G. Sept. 4. Class 46.

Squire Dingee Company, Chicago, Ill. Jellies, jams, fruit butters, etc. 205,659; renewed Nov. 10, 1945. O. G. Sept. 4. Class 46.

Staley, Austin L., trustee in reorganization for The Universal Lubricating Systems, Inc. Couplers. 416,297; Sept. 4; Serial No. 480,216; published June 26, 1945. Class 23.

Stalford, John C., & Sons, Inc., Baltimore, Md. Liquid air purifier and deodorant. 416,236; Sept. 4; Serial No. 475,403; published June 26, 1945. Class 6.

Standard Brands Incorporated, New York, N. Y. Multivitamin and mineral tablets. 416,188; Sept. 4; Serial No. 458,252; published Mar. 30, 1943. Class 6.

Standard Crayon Manufacturing Co., Danvers, Mass., by change of name to Standard Crayon Manufacturing Corporation. Wax and chalk crayons. 205,263; renewed Nov. 3, 1945. O. G. Sept. 4. Class 37.

Standard Crayon Manufacturing Corporation: See—
Standard Crayon Manufacturing Co.

Standard Pharmaceutical Co.: See—
Berger, Herman.

Stanley Works, The: See—
Unishear Company, The, assignor.

Stark Provision Co., The, by change of name to The Sugardale Provision Co., Canton, Ohio. Ham, bacon, boiled ham, etc. 205,953; renewed Nov. 17, 1945. O. G. Sept. 4. Class 46.

Steinbach, Samuel, doing business as Madera Bonded Wine & Liquor Company, Baltimore, Md. Vermouths, champagnes, and other wines. 416,370; Sept. 4. Class 47.

Steinmeyer, Harris, & Co., assignor to Mel Harris, doing business as Mel Harris Company, San Francisco, Calif. Brooches, bar pins, pendants, etc. 202,868; renewed Sept. 8, 1945. O. G. Sept. 4. Class 28.

Sterling Drug Inc.: See—
Centaur Company, The, assignor.

Sterling Steel Casting Co., Montanto, Ill. Steel and steel alloys and castings made therefrom. 416,280; Sept. 4; Serial No. 479,735; published June 19, 1945. Class 14.

Stetson, John B., Company, Philadelphia, Pa. Soft and stiff felt hats and caps. 46,263; re-renewed Sept. 12, 1945. O. G. Sept. 4. Class 39.

Stillman, Harold, doing business as Gayla Cosmetics, Chicago, Ill. Cosmetic epilator; skin balm; antiseptic skin lotion, etc. 416,322; Sept. 4; Serial No. 480,645; published June 26, 1945. Class 6.

Stony Creek Granite Company, The, Xenia, Ohio, and Stony Creek, Conn., to Stony Creek Granite Quarries, Inc., Milford, Mass., successor. Granite. 199,130; renewed June 2, 1945. O. G. Sept. 4. Class 1.

Stony Creek Granite Quarries, Inc.: See—
Stony Creek Granite Company, The.

Strohmeier & Arpe Company, New York, N. Y. Canned fish. 206,107; renewed Nov. 24, 1945. O. G. Sept. 4. Class 46.

Strombeck Press, Inc., Moline, Ill. Wall mottoes, greeting cards, calendars, etc. 416,349; Sept. 4; Serial No. 481,808; published June 19, 1945. Class 38.

Stuart, Keith & Co. Inc., to The Stuart-Keith Manufacturing Company, Baltimore, Md., successor. Men's, youths', and boys' overalls, dress, negligee, and work shirts, children's play suits, etc. 205,787; renewed Nov. 17, 1945. O. G. Sept. 4. Class 39.

Stuart, Keith & Co. Inc., to The Stuart-Keith Manufacturing Company, Baltimore, Md., successor. Youths' and boys' overalls, dress, negligee, and work shirts, etc. 205,903; renewed Nov. 17, 1945. O. G. Sept. 4. Class 39.

Stuart-Keith Manufacturing Company, The: See—
Stuart, Keith & Co. Inc.

Sugardale Provision Co., The: See—
Stark Provision Co., The.

Sultan Drug Co., assignor to Od Peacock Sultan Company, St. Louis, Mo. Remedies for gastric derangements and diseases of the stomach and bowels. 47,817; re-renewed Nov. 21, 1945. O. G. Sept. 4. Class 6.

Suret Frocks, New York, N. Y. Women's, misses' and girls' dresses. 416,379; Sept. 4. Class 39.

Surplus Sales Reporter, San Francisco, Calif. Daily publication. 416,383; Sept. 4. Class 38.

LIST OF REGISTRANTS OF TRADE-MARKS

Sussman, Wormser & Co., San Francisco, Calif., by change of name to S and W Fine Foods, Inc. Canned pineapple. 206,166; renewed Nov. 24, 1945. O. G. Sept. 4. Class 46.

Taylor, Henry J., doing business as The Package Advertising Company, New York, N. Y. Printed labels. 416,355; Sept. 4. Class 38.

Teletype Corporation: See—
Morkrum-Kleinschmidt Corporation.

Texagon Mills, Inc., North Bergen, N. J. Curtains. 416,202; Sept. 4; Serial No. 486,869; published June 26, 1945. Class 42.

Texagon Mills, Inc., North Bergen, N. J. Netting of rayon, nylon, cotton or silk. 416,203; Sept. 4; Serial No. 486,871; published June 26, 1945. Class 42.

Texas Company, The: See—
Indian Refining Company, Incorporated, assignor.

Texon Industrial Corp., Long Island City, N. Y. Lacquers, synthetic enamels, paint thinners, ready-mixed paints, etc. 416,281; Sept. 4; Serial No. 479,758; published June 19, 1945. Class 16.

Tremont & Suffolk Mills, Lowell, assignor to Nashua Manufacturing Company, Boston, Mass. Cotton piece goods. 47,843; re-renewed Nov. 21, 1945. O. G. Sept. 4. Class 42.

Triangle Cheese Company, Monroe, Wis. Cheese. 206,020; renewed Nov. 24, 1945. O. G. Sept. 4. Class 46.

Triolo, Peter, doing business as Prucide Laboratories, Brooklyn, N. Y. Preparations for athlete's foot. 416,271; Sept. 4; Serial No. 479,260; published June 19, 1945. Class 6.

Undertaker's Supply Company, The, Chicago, Ill. Preparation for use on the human dead. 205,874; renewed Nov. 17, 1945. O. G. Sept. 4. Class 6.

Union Hardware Company, Torrington, Conn. Fishing rods, fishing reels, whistles and calls for animals and birds, etc. 205,743; renewed Nov. 17, 1945. O. G. Sept. 4. Class 22.

Unishear Co., Inc.: See—
Unishear Company, The, assignor.

Unishear Company, The, New York, N. Y., assignor to Unishear Co., Inc., assignor, by mesne assignments, to The Stanley Works, New Britain, Conn. Power-driven shears. 206,135; renewed Nov. 24, 1945. O. G. Sept. 4. Class 23.

United States Smelting Refining and Mining Company, Portland, Maine, and Boston, Mass. Crude arsenic, white arsenic and sodium-arsenite solution. 199,821; renewed June 16, 1945. O. G. Sept. 4. Class 6.

United Wallpaper, Inc., Chicago, Ill. Coverings in the nature of a combination of treated fabric and paper. 416,308; Sept. 4; Serial No. 480,392; published June 26, 1945. Class 20.

Universal Lubricating Systems, Inc., The, Trustee in reorganization for: See—
Staley, Austin L.

Universal Paper Products Company, Chicago, Ill. Paper cups. 416,274; Sept. 4; Serial No. 479,364; published June 26, 1945. Class 2.

Universal Zonolite Insulation Co., Chicago, Ill. Mixture of expanded-vermiculite thermal insulation aggregate and waterproofing agent. 416,220; Sept. 4; Serial No. 472,346; published June 26, 1945. Class 12.

Upjohn Company, The, Kalamazoo, Mich. Bronchodilator. 416,328; Sept. 4; Serial No. 481,004; published June 26, 1945. Class 6.

Vegetable Ivory Button Institute, Inc., New York, N. Y. Vegetable ivory buttons. 416,277; Sept. 4; Serial No. 479,606; published June 26, 1945. Class 40.

Victaulic Company of America, New York, N. Y. Gaskets. 416,338; Sept. 4; Serial No. 481,253; published June 26, 1945. Class 35.

Victory Fireworks & Specialty Company: See—
Victory Sparkler & Specialty Company, assignor.

Victory Sparkler & Specialty Company, assignor to Victory Fireworks & Specialty Company, Elkton, Md. Sparklers, sun wheels, snakes, globe torpedoes, etc. 200,249; renewed June 30, 1945. O. G. Sept. 4. Class 9.

Wadsworth Watch Case Company, The, Dayton, Ky. Compacts. 416,216; Sept. 4; Serial No. 470,320; published June 26, 1945. Class 2.

Walker-Turner Co., Inc., New York, N. Y., to Walker-Turner Co., Inc., Plainfield, N. J. Hand drills, vises, wrenches, etc. 205,785; renewed Nov. 17, 1945. O. G. Sept. 4. Class 23.

Walnut Fruit Growers Association, Walnut, Calif. Fresh citrus fruits. 205,947; renewed Nov. 17, 1945. O. G. Sept. 4. Class 46.

Walther, John, Fabrics, Inc., New York, N. Y. Woolen and worsted fabrics in the piece. 416,278; Sept. 4; Serial No. 479,653; published June 26, 1945. Class 42.

Walton Trunk Co., Inc., New York, N. Y. Trunks and suitcases. 416,371; Sept. 4. Class 3.

Wanamaker, John, Philadelphia, Philadelphia, Pa. Hosiery. 206,128; renewed Nov. 24, 1945. O. G. Sept. 4. Class 39.

Washburn Crosby Company, assignor to General Mills, Inc., Minneapolis, Minn. Wheat flour. 205,327; renewed Nov. 3, 1945. O. G. Sept. 4. Class 46.

Wauregan Mills, Incorporated: See—
Quinebang Company, The.

Waytoll Co., The: See—
Shnapler, Wilbur.

Weekly Publications, Inc., New York, N. Y. Maps. 416,198; Sept. 4; Serial No. 465,377; published Mar. 21, 1944. Class 38.

Weinstein, Morris, New York, N. Y. Children's and juniors' misses' and infants' coats and suits. 416,365; Sept. 4. Class 39.

Weir Stove Company, assignor to Glenwood Range Company, Taunton, Mass. Stoves, ranges, furnaces, etc. 47,409; re-renewed Oct. 31, 1945. O. G. Sept. 4. Class 34.

Wells Corporation, The, New York, N. Y. End-papers. 416,304; Sept. 4; Serial No. 480,395; published June 26, 1945. Class 40.

Wells Lamont Corporation: See—
Wells-Lamont Mfg. Co.

Wells-Lamont Mfg. Co., Minneapolis, Minn., by change of name to Wells Lamont Corporation, Chicago, Ill. Cotton gloves, jersey gloves, and leather-palm combination gloves. 205,461; renewed Nov. 10, 1945. O. G. Sept. 4. Class 39.

Wenger, George, New York, N. Y. Overnight travelling cases. 416,378; Sept. 4. Class 3.

Western Frozen Foods Co., Watsonville, Calif. Frozen food products. 416,325; Sept. 4; Serial No. 480,969; published June 26, 1945. Class 46.

Western Pine Association, Portland, Oreg. Lumber, mill-work and lath. 416,351; Sept. 4; Serial No. 481,825; published June 26, 1945. Class 12.

Westfield Brothers, New Orleans, La. Green coffees. 192,960; renewed Dec. 10, 1944. O. G. Sept. 4. Class 46.

Wilde, John P., doing business as Parfums D'Artimon, New York, N. Y. Perfume and toilet water. 416,339-40; Sept. 4; Serial Nos. 481,254-5; published June 19, 1945. Class 6.

Wilhelm, Warren F., doing business as New Products Laboratories, Chicago, Ill., assignor to Winthrop Chemical Company, Inc. Disinfecting solution. 416,189; Sept. 4; Serial No. 459,140; published June 8, 1943. Class 6.

Williams, R. C. & Co., assignor to R. C. Williams & Company, Inc., New York, N. Y. Canned fruits and canned vegetables. 47,010; re-renewed Oct. 17, 1945. O. G. Sept. 4. Class 46.

Williams, R. C. & Company, Inc.: See—
Williams, R. C. & Co., assignor.

Wilson, Andrew, Inc.: See—
Wilson, Andrew, Incorporated.

Wilson, Andrew, Incorporated, to Andrew Wilson, Inc., Springfield, N. J. Insecticides. 198,909; renewed May 26, 1945. O. G. Sept. 4. Class 6.

Winthrop Chemical Company, Inc.: See—
Wilhelm, Warren F., assignor.

Winthrop Chemical Company, Inc., New York, N. Y. Chemotherapeutic preparations. 416,350; Sept. 4; Serial No. 481,815; published June 19, 1945. Class 6.

Winthrop Chemical Company, Inc., by merger to Winthrop Chemical Company, Inc., New York, N. Y. Soporific medicine. 205,699; renewed Nov. 17, 1945. O. G. Sept. 4. Class 6.

Yellen, Murray H., New York, N. Y. Sachet bags. 416,324; Sept. 4; Serial No. 480,940; published June 26, 1945. Class 40.

Yucca Co., The, Wichita, Kans., assignor to The Mentholatum Company, Buffalo, N. Y. Salves and liniments. 27,260; re-renewed Nov. 19, 1945. O. G. Sept. 4. Class 6.

Yucca Co., The, Wichita, Kans., assignor to The Mentholatum Company, Buffalo, N. Y. Salve. 47,783; re-renewed Nov. 21, 1945. O. G. Sept. 4. Class 6.

Zinn Beck Bat Company to Z. C. Grier, doing business as Grier Manufacturing Co., Greenville, S. C., successor. Baseball bats. 199,112; renewed June 2, 1945. O. G. Sept. 4. Class 22.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Old Ben Coal Corporation. 206,231-2; renewed Nov. 24, 1945. O. G. Sept. 4.

Granite. Stony Creek Granite Company. 199,130; renewed June 2, 1945. O. G. Sept. 4.

Leather. Heiburn-Thompson Company. 206,308; renewed Nov. 24, 1945. O. G. Sept. 4.

CLASS 2

Bags and sacks. Bemis Bro. Bag Company. 416,343; Sept. 4; Serial No. 481,399; published June 26, 1945.

Boxes, dough troughs, pin trays, etc. Sewing. S. A. Hall. 416,208; Sept. 4; Serial No. 468,255; published June 26, 1945.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Boxes, instrument cases, vanity boxes, etc. Cash. Bakelite Corporation. 205,807; renewed Nov. 17, 1945. O. G. Sept. 4.

Cans, Metal. Continental Can Company, Inc. 416,342; Sept. 4; Serial No. 481,317; published June 26, 1945.

Cartons, cardboard, paper, and pasteboard. Continental Can Company, Inc. 416,283; Sept. 4; Serial No. 479,839; published June 26, 1945.

Cells, Self-sealing. Firestone Tire & Rubber Company. 416,357; Sept. 4.

Compacts. Wadsworth Watch Case Company. 416,216; Sept. 4; Serial No. 470,320; published June 26, 1945.

Cups, Paper. Universal Paper Products Company. 416,274; Sept. 4; Serial No. 479,364; published June 26, 1945.

Garment bags, Mothproof. Cromwell Paper Company. 416,306; Sept. 4; Serial No. 480,439; published June 26, 1945.

Receptacles. Cottonluxe Manufacturing Co., Inc. 202,382; renewed Aug. 18, 1945. O. G. Sept. 4.

CLASS 3

Bags, Hand. Lennox Manufacturing Co. 416,356; Sept. 4.

Purses, Woven. F. M. Kong. 416,256; Sept. 4; Serial No. 478,394; published June 26, 1945.

Travelling cases, Overnight. G. Wenger. 416,378; Sept. 4.

Trunks and suitcases. Walton Trunk Co., Inc. 416,371; Sept. 4.

Trunks, wardrobe cases, suitcases, etc. Wardrobe. J. L. Hudson Company. 416,376; Sept. 4.

CLASS 4

Abrasive products. Norton Company. 416,284; Sept. 4; Serial No. 479,855; published June 19, 1945.

Chemical preparation, Liquid. Sandoz Chemical Co. Ltd. 201,923; renewed Aug. 11, 1945. O. G. Sept. 4.

Cleaning preparations. India Alkali Works. 205,173; renewed Nov. 3, 1945. O. G. Sept. 4.

Cleaning preparations, Household. C. E. Berning. 416,265; Sept. 4; Serial No. 478,849; published June 19, 1945.

Cleaner, Household. Lumar Products Company. 416,226; Sept. 4; Serial No. 473,568; published June 26, 1945.

Leather-stuffing known as "fat-liquor." Martin Dennis Chrome Tannage Company. 27,264; re-renewed Nov. 19, 1945. O. G. Sept. 4.

Soap, Toilet. F. G. Burke. 47,877; re-renewed Nov. 28, 1945. O. G. Sept. 4.

Soaps, Toilet and Shaving. Palmolive Company. 205,739; renewed Nov. 17, 1945. O. G. Sept. 4.

Wheel adapted to be operated on a mechanical shaft. Polishing. C. B. Hunt & Son. 416,255; Sept. 4; Serial No. 478,390; published June 19, 1945.

CLASS 6

Analgesic and antiseptic dental preparation. Parke, Davis & Company. 205,487; renewed Nov. 10, 1945. O. G. Sept. 4.

Anti-convulsant preparation. Parke, Davis & Company. 416,252; Sept. 4; Serial No. 477,895; published June 26, 1945.

Antifreeze compound, Automobile. Atlas Supply Company. 416,185; Sept. 4; Serial No. 447,777; published Nov. 25, 1941.

Anti-perspirant and deodorant. Lambert Pharmaceutical Company. 416,259; Sept. 4; Serial No. 478,460; published June 26, 1945.

Antiseptic, germicide, and deodorizer. Oakland Chemical Company, Inc. 416,195; Sept. 4; Serial No. 463,357; published June 26, 1945.

Antiseptics and deodorants. Hydrosol Laboratories Co. 204,949; renewed Oct. 27, 1945. O. G. Sept. 4.

Arsenic, white arsenic, and sodium-arsenite solution. Crude. United States Smelting Refining and Mining Company. 199,821; renewed June 16, 1945. O. G. Sept. 4.

Bicarbonate of soda, saleratus, and baking-powder. Church & Dwight Company. 47,946; re-renewed Nov. 28, 1945. O. G. Sept. 4.

Blocks of paradichlorobenzene. Koppers Company, Inc. 416,251; Sept. 4; Serial No. 477,889; published June 26, 1945.

Blue, Washing. J. & J. Colman. 26,283; re-renewed Mar. 26, 1945. O. G. Sept. 4.

Bronchodilator. Upjohn Company. 416,328; Sept. 4; Serial No. 481,004; published June 26, 1945.

Carbonating-powder. Church & Dwight Company. 47,790; re-renewed Nov. 21, 1945. O. G. Sept. 4.

Chemical devulcanizing agent. Firestone Tire & Rubber Company. 416,316; Sept. 4; Serial No. 480,753; published June 19, 1945.

Chemical preparation. Franco-American Hygienic Company. 416,250; Sept. 4; Serial No. 477,692; published June 19, 1945.

Chemical preparation used as a water softener. F. E. Everson. 416,327; Sept. 4; Serial No. 480,982; published June 19, 1945.

Chemicals and solutions. Indium Corporation of America. 416,337; Sept. 4; Serial No. 481,225; published June 26, 1945.

Chemotherapeutic preparations. Winthrop Chemical Company, Inc. 416,350; Sept. 4; Serial No. 481,815; published June 19, 1945.

Cologne. I. Redlich. 416,296; Sept. 4; Serial No. 480,189; published June 26, 1945.

Color restorer, Gray-hair. E. T. Gale. 205,011; renewed Nov. 10, 1945. O. G. Sept. 4.

Compound or preparation intended for the relief or cure of asthma, catarrh, and similar affections. Himrod Manufacturing Company. 47,801; re-renewed Nov. 21, 1945. O. G. Sept. 4.

Cosmetic epilator; skin balm; antiseptic skin lotion, etc. H. Stillman. 416,322; Sept. 4; Serial No. 480,845; published June 26, 1945.

Cough drops and tablets. Life Savers, Inc. 205,868; renewed Nov. 17, 1945. O. G. Sept. 4.

County Perfumery Company, Inc., The, Bloomfield, N. J. Preparations for use in the dressing, care, and treatment of the hair. 416,207; Sept. 4; Serial No. 468,663; published June 13, 1944.

Cream, Emollient. R. Hudnut. 416,245; Sept. 4; Serial No. 476,801; published June 26, 1945.

Creams, night creams, foundation creams, etc., Cleansing. Armour and Company. 416,310; Sept. 4; Serial No. 480,494; published June 26, 1945.

Deodorant, Cream. Hall & Ruckel, Inc. 416,243; Sept. 4; Serial No. 476,763; published June 26, 1945.

Deodorant, Underarm. W. Shnapler. 416,353; Sept. 4; Serial No. 481,962; published June 19, 1945.

Digitals. Tincture of. Parke, Davis & Company. 203,377; renewed Sept. 15, 1945. O. G. Sept. 4.

Emulsions, Aqueous and nonaqueous wax. S. C. Johnson & Son, Inc. 416,291; Sept. 4; Serial No. 479,981; published June 26, 1945.

Eye remedies. Murine Eye Remedy Company. 47,813; re-renewed Nov. 21, 1945. O. G. Sept. 4.

Food which is a preparation of the proteids of beef. Fairchild Brothers and Foster. 47,774; re-renewed Nov. 21, 1945. O. G. Sept. 4.

Hair coloring preparation. R. J. Bienvenu. 416,268; Sept. 4; Serial No. 479,024; published Apr. 17, 1945.

Heart and respiratory stimulant. G. W. Carrick Co. 416,242; Sept. 4; Serial No. 476,861; published June 19, 1945.

Ingredient used in the manufacture of insecticides. McCann and Company. 416,354; Sept. 4; Serial No. 482,210; published June 26, 1945.

Insecticides. Andrew Wilson, Incorporated. 198,909; renewed May 26, 1945. O. G. Sept. 4.

Insecticides and fungicides. Acme White Lead & Color Works. 203,194; renewed Sept. 15, 1945. O. G. Sept. 4.

Ion exchanging materials. Elgin Softener Corporation. 416,283; Sept. 4; Serial No. 480,053; published June 26, 1945.

Ion exchanging materials. Elgin Softener Corporation. 416,294; Sept. 4; Serial No. 480,055; published June 26, 1945.

Laxatives. H. Berger. 415,233; Sept. 4; Serial No. 474,943; published June 19, 1945.

Lipstick and make-up preparations. Campana Corporation. 416,326; Sept. 4; Serial No. 480,970; published June 26, 1945.

Lipstick, rouge, face powder, etc. Kathleen Mary Quinlan, Inc. 416,302; Sept. 4; Serial No. 480,382; published June 5, 1945.

Lotion, After shave. E. Mayer. 416,253; Sept. 4; Serial No. 478,162; published June 26, 1945.

Lotion, hair dressing, etc., After shave. MacGregor Men's Toiletries, Inc. 416,335; Sept. 4; Serial No. 481,116; published June 26, 1945.

Lotion, Hand. Bristol-Myers Company. 416,210; Sept. 4; Serial No. 469,075; published June 26, 1945.

Lye. Wm. Schield Mfg. Co. 205,527; renewed Nov. 10, 1945. O. G. Sept. 4.

Lye. Wm. Schield Mfg. Co. 205,851-2; renewed Nov. 17, 1945. O. G. Sept. 4.

Make-up, Facial. Associated Distributors, Inc. 416,228; Sept. 4; Serial No. 473,974; published June 19, 1945.

Medicinal preparation. Himrod Manufacturing Company. 27,250; re-renewed Nov. 19, 1945. O. G. Sept. 4.

Medicinal preparation. Centaur Company. 47,588; re-renewed Nov. 14, 1945. O. G. Sept. 4.

Medicinal remedy for piles, boils, sores, and analogous ailments. W. L. Heath. 198,893; renewed May 26, 1945. O. G. Sept. 4.

Medicine, Soporific. Winthrop Chemical Company, Inc. 205,699; renewed Nov. 17, 1945. O. G. Sept. 4.

Medicines and preparations, Dental. Detroit Dental Manufacturing Company. 204,261; renewed Oct. 13, 1945. O. G. Sept. 4.

Mustard, mustard oil, mustard refuse, etc. J. & J. Colman. 25,989; re-renewed Feb. 5, 1945. O. G. Sept. 4.

Oil of vitriol, sulphuric acid, ammonium persulfate, etc. Pennsylvania Salt Manufacturing Company. 416,213; Sept. 4; Serial No. 469,940; published Aug. 29, 1944.

Oil, Rubbing. A. W. Curtis, Jr. 416,249; Sept. 4; Serial No. 477,683; published June 26, 1945.

Ointment, Amanda-L Co. 416,218; Sept. 4; Serial No. 470,903; published Dec. 19, 1944.
 Ointment, Davis & Lawrence Company. 416,254; Sept. 4; Serial No. 478,208; published June 26, 1945.
 Ointment for the cure of skin diseases, Ozonol Chemical Co. 44,793; re-renewed July 25, 1945. O. G. Sept. 4.
 Ointment, insect repellent, R. H. Harkins. 416,201; Sept. 4; Serial No. 466,573; published June 26, 1945.
 Parasiticides, Agricultural. California Spray-Chemical Corporation. 416,221; Sept. 4; Serial No. 472,502; published Jan. 16, 1945.
 Perfume, Lucien Lelong, Inc. 416,348; Sept. 4; Serial No. 481,633; published June 26, 1945.
 Perfume and cologne, G. Begley, Jr. 416,329; Sept. 4; Serial No. 481,043; published June 26, 1945.
 Perfume and cologne, G. Begley, Jr. 416,330; Sept. 4; Serial No. 481,045; published June 26, 1945.
 Perfume and cologne, G. Begley, Jr. 416,331-2; Sept. 4; Serial Nos. 481,049-50; published June 26, 1945.
 Perfume and toilet water, J. P. Wilde. 416,339-40; Sept. 4; Serial Nos. 481,254-5; published June 19, 1945.
 Perfume, cologne, toilet water, etc. John L. Priess. 416,321; Sept. 4; Serial No. 480,837; published June 26, 1945.
 Perfume, lipsticks, rouge, etc. J. D. Gaumer. 416,307-8; Sept. 4; Serial Nos. 480,447-8; published June 19, 1945.
 Perfumes, Bonwit Teller, Inc. 416,341; Sept. 4. Serial No. 481,263; published June 26, 1945.
 Perfumes, toilet water, toilet powders, etc. Raquel, Incorporated. 201,269; renewed July 21, 1945. O. G. Sept. 4.
 Petrolatum, Liquid. Parke, Davis & Company. 200,924; renewed July 14, 1945. O. G. Sept. 4.
 Pills, Carter Medicine Company. 46,917; re-renewed Oct. 17, 1945. O. G. Sept. 4.
 Plasters, Seabury & Johnson. 44,811; re-renewed July 25, 1945. O. G. Sept. 4.
 Powder, lipstick and rouge, Face. Consolidated Cosmetics. 416,345; Sept. 4; Serial No. 481,614; published June 26, 1945.
 Powder, Roach. Mono Chemical Company. 416,292; Sept. 4; Serial No. 479,983; published June 26, 1945.
 Powders, face creams, toilet waters, etc. Face, Elcaya Company, Inc. 205,531; renewed Nov. 10, 1945. O. G. Sept. 4.
 Preparation containing magnesium trisilicate and aluminum hydroxide, G. W. Carrick Co. 416,275; Sept. 4; Serial No. 479,462; published June 26, 1945.
 Preparation for coughs and colds, Davis & Lawrence Company. 416,247; Sept. 4; Serial No. 477,260; published June 19, 1945.
 Preparation for pyorrhea, alveolaris, chronic ulceration, etc. S. Soloff. 416,323; Sept. 4; Serial No. 480,931; published June 26, 1945.
 Preparation for the treatment of skin irritation, Noxema Chemical Co. 416,334; Sept. 4; Serial No. 481,076; published June 26, 1945.
 Preparation for use on the human dead, Undertakers' Supply Company. 205,874; renewed Nov. 17, 1945. O. G. Sept. 4.
 Preparations for athlete's foot, P. Triolo. 416,271; Sept. 4; Serial No. 479,260; published June 19, 1945.
 Purifier and deodorant, Liquid air. John C. Stalford & Sons, Inc. 416,236; Sept. 4; Serial No. 475,403; published June 26, 1945.
 Remedies for gastric derangements and diseases of the stomach and bowels, Sultan Drug Co. 47,817; re-renewed Nov. 21, 1945. O. G. Sept. 4.
 Rodent repellent, Liquid. Nash & Kinsella Laboratories, Inc. 416,224; Sept. 4; Serial No. 480,183; published July 3, 1945.
 Saleratus, bicarbonate of soda, and sal-soda. Church & Dwight Company. 47,947; re-renewed Nov. 28, 1945. O. G. Sept. 4.
 Salve, Yucca Co. 47,783; re-renewed Nov. 21, 1945. O. G. Sept. 4.
 Salve, Healing. C. B. Cornelius. 204,703; renewed Oct. 20, 1945. O. G. Sept. 4.
 Salves and liniments, Yucca Co. 27,260; re-renewed Nov. 19, 1945. O. G. Sept. 4.
 Solution, Disinfecting, W. F. Wilhelm. 416,189; Sept. 4; Serial No. 459,140; published June 8, 1943.
 Solution, Stable aqueous. Lakeside Laboratories, Inc. 416,300; Sept. 4; Serial No. 480,329; published June 26, 1945.
 Solvent and penetrating oil, Rust. L. G. Nicholson. 197,653; renewed Apr. 21, 1945. O. G. Sept. 4.
 Solvent, Cellulose. Ecusta Paper Corporation. 416,263; Sept. 4; Serial No. 478,748; published June 26, 1945.
 Starch, J. & J. Colman. 26,284; re-renewed Mar. 26, 1945. O. G. Sept. 4.
 Tablets, Multi-vitamin and mineral. Standard Brands Incorporated. 416,188; Sept. 4; Serial No. 458,252; published Mar. 30, 1943.
 Tea, Herb. J. E. Respondek. 416,282; Sept. 4; Serial No. 479,811; published June 26, 1945.
 Virus, Rat. Parke, Davis & Company. 205,488; re-renewed Nov. 10, 1945. O. G. Sept. 4.
 Vitamin preparation, Mineral. Parke, Davis & Company. 416,260; Sept. 4; Serial No. 478,468; published June 26, 1945.

Wave solutions, Permanent. W. A. Jordan. 416,244; Sept. 4; Serial No. 476,768; published May 8, 1945.

CLASS 9

Grips and butt plates. Pistol. Bakelite Corporation. 205,824; renewed Nov. 17, 1945. O. G. Sept. 4.
 Sparklers, sun wheels, snakes, globe torpedoes, etc. Victory Sparkler & Specialty Company. 200,249; renewed June 30, 1945. O. G. Sept. 4.

CLASS 10

Fertilizers. American Agricultural Chemical Company. 416,237; Sept. 4; Serial No. 475,409; published June 26, 1945.
 Fertilizers, Chemically-prepared. Baugh Chemical Company of Baltimore County, Md. 45,884; re-renewed Aug. 29, 1945. O. G. Sept. 4.
 Mustard, mustard oil, mustard refuse, etc. J. & J. Colman. 25,989; re-renewed Feb. 5, 1945. O. G. Sept. 4.

CLASS 11

Paper, spirit carbon paper, hectograph carbon paper, etc. Old Town Ribbon & Carbon Co., Inc. 416,285; Sept. 4; Serial No. 479,856; published June 19, 1945.

CLASS 12

Articles containing asbestos, Molded or compressed. Johns-Pratt Co. 46,065; re-renewed Sept. 5, 1945. O. G. Sept. 4.
 Building paper and concrete curing compounds. Rich-kraft Company. 416,204; Sept. 4; Serial No. 466,931; published June 26, 1945.
 Fire-bricks, Clay. McLeod & Henry Co. 45,649; re-renewed Aug. 22, 1945. O. G. Sept. 4.
 Insulating material, Cellular. Johns-Manville, Incorporated. 201,733; renewed Aug. 4, 1945. O. G. Sept. 4.
 Insulation, Cork-board. Armstrong Cork and Insulation Company. 205,323; renewed Nov. 3, 1945. O. G. Sept. 4.
 Lumber, millwork, and lath. Western Pine Association. 416,351; Sept. 4; Serial No. 481,825; published June 26, 1945.
 Lumber, Plywood and veneered. Mengel Company. 206,261; renewed Nov. 24, 1945. O. G. Sept. 4.
 Mixture of expanded-vermiculite thermal insulation aggregate and waterproofing. Universal Zonolite Insulation Co. 416,220; Sept. 4; Serial No. 472,346; published June 26, 1945.
 Plaster, Beaver Products Company, Inc. 199,922; renewed June 23, 1945. O. G. Sept. 4.
 Plaster, Beaver Products Company, Inc. 199,924; renewed June 23, 1945. O. G. Sept. 4.
 Plaster, Finishing. Beaver Products Company, Inc. 199,923; renewed June 23, 1945. O. G. Sept. 4.
 Roofing, Asphalt. Johns-Manville, Incorporated. 201,677; renewed Aug. 4, 1945. O. G. Sept. 4.

CLASS 13

Screws, washer-head screws, machine screws, etc. Wood. Elco Tool and Screw Corporation. 206,139; renewed Nov. 24, 1945. O. G. Sept. 4.
 Valves, Water, steam, and gas. Spencer Thermostat Company. 204,291; renewed Oct. 13, 1945. O. G. Sept. 4.

CLASS 14

Copper-ingots. Lewisohn Brothers. 26,620; re-renewed May 28, 1945. O. G. Sept. 4.
 Porcelain enameling on metals and metal castings and forgings, Vitreous. Benjamin Electric Manufacturing Company. 203,830; renewed Sept. 29, 1945. O. G. Sept. 4.
 Stampings, Semi-fabricated. A. G. Redmond Co. 416,238; Sept. 4; Serial No. 475,665; published June 19, 1945.
 Stampings, Unfinished and partly finished. Concord Products Corporation. 416,241; Sept. 4; Serial No. 476,497; published June 19, 1945.
 Steel and steel alloys and castings made therefrom. Sterling Steel Casting Co. 416,280; Sept. 4; Serial No. 479,735; published June 19, 1945.

CLASS 15

Concentrate, Lubricant. Elco Lubricant Corporation. 416,305; Sept. 4; Serial No. 480,408; published June 26, 1945.
 Gasoline. Pauley Oil Company. 203,333; renewed Sept. 15, 1945. O. G. Sept. 4.
 Gasoline and kerosene. Indian Refining Company, Incorporated. 201,432; renewed July 28, 1945. O. G. Sept. 4.
 Gasoline, kerosene, naphtha, etc. Louisiana Oil Refining Corporation. 198,725; renewed May 26, 1945. O. G. Sept. 4.
 Gasoline, kerosene, naphtha, etc. Louisiana Oil Refining Corporation. 198,723; renewed May 26, 1945. O. G. Sept. 4.
 Mustard, mustard oil, mustard refuse, etc. J. & J. Colman. 25,989; re-renewed Feb. 5, 1945. O. G. Sept. 4.
 Oil, Lubricating. Crescent Oil Company. 205,170; re-renewed Nov. 3, 1945. O. G. Sept. 4.

CLASS 16

Coating in the nature of paint, Protective. Cordo Chemical Corporation. 416,239; Sept. 4; Serial No. 475,898; published Jan. 16, 1945.
 Enamels, lacquers, and varnishes, Paint. Bakelite Corporation. 206,013; renewed Nov. 24, 1945. O. G. Sept. 4.
 Japan colors, varnishes, primers, etc. Ditzler Color Co. 200,457; renewed June 30, 1945. O. G. Sept. 4.
 Lacquer. Egyptian Lacquer Manufacturing Company. 206,207-9; renewed Nov. 24, 1945. O. G. Sept. 4.
 Lacquer. Egyptian Lacquer Manufacturing Company. 206,211; renewed Nov. 24, 1945. O. G. Sept. 4.
 Lacquers, synthetic enamels, paint thinners, ready-mixed paints, etc. Texon Industrial Corp. 416,281; Sept. 4; Serial No. 479,758; published June 19, 1945.
 Oils, Processed fatty. National Lead Company. 416,214-15; Sept. 4; Serial No. 470,228-9; published June 26, 1945.
 Paint and ready-mixed paint, Paste. Integrity Paint Co. 195,239; renewed Feb. 17, 1945. O. G. Sept. 4.
 Paint, Ready-mixed. John Lucas & Co., Inc. 196,299; renewed Mar. 17, 1945. O. G. Sept. 4.
 Paints, Asphaltic. Herock Manufacturing Company. 200,747; renewed July 7, 1945. O. G. Sept. 4.
 Paints, dry, paste, semipaste, and ready mixed. Detroit Graphite Company. 206,011; renewed Nov. 24, 1945. O. G. Sept. 4.
 Paints, Paste and ready-mixed. Smith-Alsop Paint & Varnish Company. 206,095; renewed Nov. 24, 1945. O. G. Sept. 4.
 Paints, varnish, and paint enamels, Ready-mixed. Great Lakes Varnish Works, Inc. 416,333; Sept. 4; Serial No. 481,066; published June 19, 1945.
 Paints, varnish, lacquer, etc., Ready mixed. San Diego Glass & Paint Co. 416,267; Sept. 4; Serial No. 478,905; published June 26, 1945.
 Varnishes. American Varnish Company. 47,755; re-renewed Nov. 21, 1945. O. G. Sept. 4.

CLASS 17

Cigars, cigarettes, smoking and chewing tobacco. Life Savers, Inc. 206,029; renewed Nov. 24, 1945. O. G. Sept. 4.

CLASS 19

Airplanes. Aerial Service Corporation. 203,874; renewed Sept. 29, 1945. O. G. Sept. 4.
 Automobile bodies and automobile body parts. Edward G. Budd Manufacturing Company. 199,176; renewed June 2, 1945. O. G. Sept. 4.
 Bodies for hand trucks, Removable. Adams Equipment Company, Inc. 199,202; renewed June 2, 1945. O. G. Sept. 4.

CLASS 20

Coverings in the nature of a combination of treated fabric and paper. United Wallpaper, Inc. 416,303; Sept. 4; Serial No. 480,392; published June 26, 1945.

CLASS 21

Automobile repair and replacements parts. Jambor Tool & Stamping Company. 416,197; Sept. 4; Serial No. 464,819; published June 26, 1945.
 Electric furnaces. Ajax Electrothermic Corporation. 416,211; Sept. 4; Serial No. 469,426; published Jan. 9, 1945.
 Printing-telegraph apparatus. Morkrum-Kleinschmidt Corporation. 202,003; renewed Aug. 11, 1945. O. G. Sept. 4.
 Television receiving sets. Retail Stores Service, Inc. 416,184; Sept. 4; Serial No. 421,581; published Sept. 19, 1939.
 Terminals, terminal posts, terminal plates, etc., Electrical. Hermaseal Company. 416,287; Sept. 4; Serial No. 479,875; published June 26, 1945.

CLASS 22

Baseball bats. Zinn Beck Bat Company. 199,112; renewed June 2, 1945. O. G. Sept. 4.
 Cushions, Billiard table. Brunswick-Balke-Collender Company. 416,217; Sept. 4; Serial No. 470,753; published June 26, 1945.
 Game apparatus. E. S. Lowe Company, Inc. 416,272-3; Sept. 4; Serial Nos. 479,290-1; published June 26, 1945.
 Rods, fishing reels, whistles and calls for animals and birds, etc., Fishing. Union Hardware Company. 205,743; renewed Nov. 17, 1945. O. G. Sept. 4.
 Toy carpet sweepers. Bissell Carpet Sweeper Company. 201,297; renewed July 21, 1945. O. G. Sept. 4.
 Toy consisting of a string having a ball at each end, etc. Games of Fame. 416,279; Sept. 4; Serial No. 479,708; published June 26, 1945.
 Toys, Wooden. R. Raphael. 416,364; Sept. 4.

CLASS 23

Augers, spokeshaves, hand drills, etc., Hollow. Millers Falls Company. 198,790; renewed May 26, 1945. O. G. Sept. 4.

Bottle-capping machines. Cundall, Powell & Mosher, Inc. 199,210; renewed June 2, 1945. O. G. Sept. 4.
 Brush attachments, Dusting. Eureka Vacuum Cleaner Company. 416,191; Sept. 4; Serial No. 461,686; published June 26, 1945.
 Carburetors, fuel pumps, lubricators, etc. Robert Bosch Aktiengesellschaft. 198,925; renewed May 26, 1945. O. G. Sept. 4.
 Couplers. A. L. Staley. 416,297; Sept. 4; Serial No. 480,216; published June 26, 1945.
 Drills, vises, wrenches, etc., Hand. Walker-Turner Co., Inc. 205,785; renewed Nov. 17, 1945. O. G. Sept. 4.
 Files and rasps. Nicholson File Company. 47,233; re-renewed Oct. 31, 1945. O. G. Sept. 4.
 Footer, knitting, and ribbing machines and parts thereof. Fidelity Machine Company. 206,304; renewed Nov. 24, 1945. O. G. Sept. 4.
 Lift mechanisms, Hydraulic. Daybrook Hydraulic Corporation. 416,380; Sept. 4.
 Pumps, Dayton Pump and Manufacturing Company. 203,806; renewed Sept. 29, 1945. O. G. Sept. 4.
 Pumps, sump pumps, cellar drainer pumps, etc. Electro-King Mfg. Company. 416,261; Sept. 4; Serial No. 478,544; published June 26, 1945.
 Pumps, Water-circulating. American Grinder Mfg. Co. 204,545; renewed Oct. 20, 1945. O. G. Sept. 4.
 Pumps, Water-circulating. American Grinder Mfg. Co. 204,588; renewed Oct. 20, 1945. O. G. Sept. 4.
 Shears, Power-driven. Unishear Company. 206,135; renewed Nov. 24, 1945. O. G. Sept. 4.
 Syringes. Deutsche Gold-und Silber-Scheideanstalt vormals Roessler. 198,932; renewed May 26, 1945. O. G. Sept. 4.
 Tools, Cutting. Bokum Tool Company, Inc. 416,196; Sept. 4; Serial No. 464,744; published June 26, 1945.
 Wringers, Mop. Eagle Woodware Mfg. Co. 202,191; renewed Aug. 18, 1945. O. G. Sept. 4.

CLASS 26

Automatic apparatus for use in connection with filters, zeolite softeners, etc. Inflico Incorporated. 416,223; Sept. 4; Serial No. 473,028; published June 26, 1945.
 Frames, disks and cases, ammeter cases, etc., Meter. Bakelite Corporation. 205,724; renewed Nov. 17, 1945. O. G. Sept. 4.
 Lamp, Electrically illuminated magnifying. Boyer-Campbell Co. 416,358; Sept. 4.
 Picture projection equipment and accessories, etc. National Mineral Company. 416,347; Sept. 4; Serial No. 481,645; published June 26, 1945.
 Pictures, Moving. J. E. Levine. 416,288; Sept. 4; Serial No. 479,886; published June 26, 1945.

CLASS 27

Watch and clock movements. Federation Suisse des Associations de Fabricants d'Horlogerie. 199,423; renewed June 9, 1945. O. G. Sept. 4.

CLASS 28

Brooches, bar pins, pendants, etc. Harris Steinhilber & Co. 202,868; renewed Sept. 8, 1945. O. G. Sept. 4.

CLASS 29

Brooms and whisk-brushes. Southwestern Broom Mfg. Co. 47,736; re-renewed Nov. 14, 1945. O. G. Sept. 4.
 Brooms and whisk-brushes. Southwestern Broom Mfg. Co. 47,841; re-renewed Nov. 21, 1945. O. G. Sept. 4.

CLASS 32

Cabinets, lingerie cabinets, boudoir accessory cabinets, etc., Fibre and wooden shoe. Korlé, Inc. 416,264; Sept. 4; Serial No. 478,819; published June 26, 1945.
 Mattresses, pillows, cushions, and hassocks. Ostermoor & Co. 47,832; re-renewed Nov. 21, 1945. O. G. Sept. 4.
 Mattresses, pillows, cushions, etc. Ostermoor & Co. 47,830; re-renewed Nov. 21, 1945. O. G. Sept. 4.
 Mirrors, stand mirrors, wall mirrors, etc., Toilet. De Boer & Livingston, Inc. 416,269; Sept. 4; Serial No. 479,068; published June 26, 1945.
 Shades, Porch and window. Aeroshade Company. 416,231; Sept. 4; Serial No. 474,647; published June 26, 1945.

CLASS 33

Glasses, Watch. Hammel, Riglander & Co. 206,183; renewed Nov. 24, 1945. O. G. Sept. 4.
 Glassware. Louis Aisenstein & Bros. 416,298; Sept. 4; Serial No. 480,272; published June 26, 1945.

CLASS 34

Burners or heaters electrically operated, Liquid-fuel. American Nokol Company. 201,920; renewed Aug. 11, 1945. O. G. Sept. 4.
 Globes, shades, and light-inclosure, all glassware. George A. Macbeth Co. 27,112; re-renewed Oct. 1, 1945. O. G. Sept. 4.
 Greenhouse-ventilating apparatus. Lord and Burnham Company. 206,248; renewed Nov. 24, 1945. O. G. Sept. 4.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Lighter, friction fluid-spark vapor pocket. Kaylite Co. 416,344; Sept. 4; Serial No. 481,414; published June 26, 1945.

Ovens, portable. Jacks-Evans Manufacturing Company. 206,302; renewed Nov. 24, 1945. O. G. Sept. 4.

Stoves, ranges, furnaces, etc. Weir Stove Company. 47,409; re-renewed Oct. 31, 1945. O. G. Sept. 4.

CLASS 35

Articles containing asbestos. Molded or compressed. Johns-Fratt Co. 46,065; re-renewed Sept. 5, 1945. O. G. Sept. 4.

Belting, commonly employed in industry. Franklin Cotton Mill Co. 206,315; renewed Nov. 24, 1945. O. G. Sept. 4.

Conveyor and transmission belting. Woven cotton. Buffalo Weaving & Belting Company. 416,366; Sept. 4.

Gaskets. Victaulic Company of America. 416,338; Sept. 4; Serial No. 481,253; published June 26, 1945.

CLASS 36

Accordions. Acme Accordion Co., Inc. 416,248; Sept. 4; Serial No. 477,344; published June 26, 1945.

Saxophones. Fred. Gretsch Manufacturing Co. 205,087; renewed Nov. 3, 1945. O. G. Sept. 4.

CLASS 37

Books, blank. G. C. Kunkel. 205,773; renewed Nov. 17, 1945. O. G. Sept. 4.

Crayons, wax and chalk. Standard Crayon Manufacturing Co. 205,203; renewed Nov. 3, 1945. O. G. Sept. 4.

Paper, paper towels, paper napkins, etc. Toilet. Fort Howard Paper Company. 206,152; renewed Nov. 24, 1945. O. G. Sept. 4.

Paper, wax, writing, and printing. International Paper Company. 205,894; renewed Nov. 17, 1945. O. G. Sept. 4.

Pens, pencils, pen barrels, etc. Fountain. Bakelite Corporation. 205,924; renewed Nov. 17, 1945. O. G. Sept. 4.

Stationery hardware, articles of. H. C. Cook Company. 205,930-1; renewed Nov. 17, 1945. O. G. Sept. 4.

Toilet paper. Diamond Paper Co., Ltd. 204,945; renewed Oct. 27, 1945. O. G. Sept. 4.

CLASS 38

Articles published in a continuing series. Bramson Publishing Company. 416,194; Sept. 4; Serial No. 463,240; published May 15, 1945.

Blueprints, photo-tracings, Van Dyke prints, etc. R. H. Lutz. 416,206; Sept. 4; Serial No. 468,328; published June 12, 1945.

Labels, printed. H. J. Taylor. 416,355; Sept. 4.

Magazine or periodical published monthly. National Macaroni Manufacturers' Association. 203,469; renewed Sept. 22, 1945. O. G. Sept. 4.

Magazine, monthly. Bryan Davis Publishing Company, Inc. 416,361; Sept. 4.

Magazine, monthly merchandising medium. Hornstein Sales. 416,209; Sept. 4; Serial No. 468,675; published June 12, 1945.

Magazine publication. Detective Comics, Inc. 416,246; Sept. 4; Serial No. 477,221; published June 19, 1945.

Maps. Weekly Publications, Inc. 416,198; Sept. 4; Serial No. 465,377; published Mar. 21, 1944.

Mottos, greeting cards, calendars, etc. Wall. Strombeck Press, Inc. 416,349; Sept. 4; Serial No. 481,808; published June 19, 1945.

Periodical. Brown & Bigelow. 206,121; renewed Nov. 24, 1945. O. G. Sept. 4.

Periodical. Bendiner & Schlesinger, Inc. 416,363; Sept. 4.

Periodical. Southern Banker Publishing Co. 202,008; renewed Aug. 11, 1945. O. G. Sept. 4.

Publication. Arkansas Committee Brewing Industry Foundation. 416,362; Sept. 4.

Publication, daily. Surplus Sales Reporter. 416,383; Sept. 4.

Publication. Packaging Catalog Corp. 416,368; Sept. 4.

Publication, periodical. National Mineral Company. 416,367; Sept. 4.

Publication, section in a periodical. Modern Plastics, Inc. 416,359; Sept. 4.

Signs, printed advertising. Conde Nast Publications, Inc. 206,142; renewed Nov. 24, 1945. O. G. Sept. 4.

CLASS 39

Aprons, dresses, and uniforms. Women's, children's, and misses'. Jacobs Brothers. 203,837; renewed Sept. 29, 1945. O. G. Sept. 4.

Bibs and aprons. Children's. G. W. Carlson. 416,222; Sept. 4; Serial No. 472,508; published June 26, 1945.

Blouses, dresses, skirts, etc. Ladies' and misses'. Ross & Hardus. 416,314; Sept. 4; Serial No. 480,878; published June 26, 1945.

Clothing, men's outer. Frankel Bros. 206,141; renewed Nov. 24, 1945. O. G. Sept. 4.

Clothing, women's and children's. J. Durain. 416,372; Sept. 4.

Coats and suits. Children's and juniors', misses', and infants'. M. Weinstein. 416,365; Sept. 4.

Coats, ladies' fur. A. Kagan. 416,320; Sept. 4; Serial No. 480,827; published June 26, 1945.

Coats and suits. Women's and misses'. Levy-Blum & Goldschmidt Corp. 416,315; Sept. 4; Serial No. 480,711; published June 26, 1945.

Dresses, smocks, and housecoats. Women's and misses'. Carlisle Garment Co. 416,289; Sept. 4; Serial No. 479,918; published June 26, 1945.

Dresses, suits, coats and blouses. Ladies' and misses'. Adler & Adler Inc. 416,309; Sept. 4; Serial No. 480,490; published June 26, 1945.

Dresses, women's, misses' and girls'. Suret Frocks. 416,379; Sept. 4.

Gloves, jersey gloves, and leather-palm combination gloves. Cotton. Wells-Lamont Mfg. Co. 205,461; renewed Nov. 10, 1945. O. G. Sept. 4.

Gloves, men's, unlined dress. O. C. Hansen Manufacturing Co. 205,565; renewed Nov. 10, 1945. O. G. Sept. 4.

Handkerchiefs. S. M. Levy & Sons. 416,199; Sept. 4; Serial No. 465,508; published Apr. 18, 1944.

Hats and caps. Soft and stiff felt. John B. Stetson Company. 46,263; re-renewed Sept. 12, 1945. O. G. Sept. 4.

Hats for men. Hat Corporation of America. 416,240; Sept. 4; Serial No. 475,955; published June 19, 1945.

Hats for men, women, and children. Straw and felt. Mallory Hat Company. 205,464; renewed Nov. 10, 1945. O. G. Sept. 4.

Hats, ladies'. G. V. C. Roblot. 201,155; renewed July 21, 1945. O. G. Sept. 4.

Hosiery. Imperial Hosiery Co. 204,539; renewed Oct. 20, 1945. O. G. Sept. 4.

Hosiery. John Wanamaker Philadelphia. 206,128; renewed Nov. 24, 1945. O. G. Sept. 4.

Hosiery. J. L. Hudson Company. 416,299; Sept. 4; Serial No. 480,321; published June 26, 1945.

Jackets and shirts. Men's and women's sport. Solomon Bros. Co. 416,319; Sept. 4; Serial No. 480,800; published June 19, 1945.

Lingerie, women's. Louis Herman & Company. 416,190; Sept. 4; Serial No. 461,017; published Sept. 21, 1943.

Mufflers, toes, cravats, etc. Left Brothers Dry Goods and Notions Company. 205,738; renewed Nov. 17, 1945. O. G. Sept. 4.

Overalls, dress, negligee and work shirts, children's play suits, etc. Men's, youths' and boys'. Stuart, Keith & Co. Inc. 205,787; renewed Nov. 17, 1945. O. G. Sept. 4.

Overalls, dress, negligee, and work shirts, etc. Youths' and boys'. Stuart, Keith & Co. Inc. 205,908; renewed Nov. 17, 1945. O. G. Sept. 4.

Overalls, jumpers, work jackets, etc. Blue Bell, Inc. 416,313; Sept. 4; Serial No. 480,644; published June 26, 1945.

Shoes, women's and misses'. Saks & Company. 416,295; Sept. 4; Serial No. 480,146; published June 19, 1945.

Skirts, jumpers, dresses and blouses. Children's. H. Levine. 416,336; Sept. 4; Serial No. 481,150; published June 19, 1945.

Slacks, women's. Hollywood Casuals. 416,270; Sept. 4; Serial No. 479,234; published June 26, 1945.

Slips, nightgowns, pajamas, and bed jackets. Ladies' and misses'. Nu-Fashion Underwear Corp. 416,232; Sept. 4; Serial No. 474,917; published June 26, 1945.

Sportswear and apparel. Women's. Carefree Wear Co. 416,257; Sept. 4; Serial No. 478,446; published June 19, 1945.

Suits, coats and jackets, etc. Men's and women's. London, Midland & Scottish Imports, Ltd. 416,317; Sept. 4; Serial No. 480,777; published June 26, 1945.

Suits, men's full-dress and tuxedo. Rothschild & Sons, Inc. 206,126; renewed Nov. 24, 1945. O. G. Sept. 4.

Suits, pants and coats. Boy's. Leonard Clothing Co., Inc. 416,278; Sept. 4; Serial No. 479,581; published June 26, 1945.

Suits, trousers, and overcoats. Men's and young men's. Joseph & Feiss Co. 206,067; renewed Nov. 24, 1945. O. G. Sept. 4.

Supports, arch pads, and heel cushions etc. Non-metallic metatarsal. C. H. Daniels. 416,229; Sept. 4; Serial No. 474,115; published June 19, 1945.

Sweaters. Olympic Knitwear Inc. 416,262; Sept. 4; Serial No. 478,721; published June 26, 1945.

Sweaters, knitted. Olympia Knitwear Inc. 416,318; Sept. 4; Serial No. 480,785; published June 26, 1945.

Sweaters, women's, misses', children's and infants' knitted. J. Freund. 416,219; Sept. 4; Serial No. 472,279; published Oct. 3, 1944.

Textile articles. Bear Brand Hosiery Co. 199,515; renewed June 9, 1945. O. G. Sept. 4.

Trousers. Cotton. Callaway Mills. 416,230; Sept. 4; Serial No. 474,577; published June 26, 1945.

Underwear and knitted sleeping garments, etc. Infants' and children's knitted. Minneapolis Knitting Works. 206,296; renewed Nov. 24, 1945. O. G. Sept. 4.

Wear and sportswear. Men's and women's. Associated Military Stores, Inc. 416,311; Sept. 4; Serial No. 480,496; published June 26, 1945.

Wearing apparel, ladies'. Industrial Undergarment Corporation. 416,187; Sept. 4; Serial No. 456,800; published Jan. 25, 1944.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Wearing apparel, women's. Fred & Clark Haas, Inc. 416,227; Sept. 4; Serial No. 473,737; published June 26, 1945.

CLASS 40

Bags, sachet. M. H. Yellen. 416,324; Sept. 4; Serial No. 480,940; published June 26, 1945.

Braids, elastic cords, loop elastics, etc. Budlong Manufacturing Company. 205,877; renewed Nov. 17, 1945. O. G. Sept. 4.

Braids, shoe laces and hatbands. H. Fawcett. 205,731; renewed Nov. 17, 1945. O. G. Sept. 4.

Buttons, vegetable ivory. Vegetable Ivory Button Institute, Inc. 416,277; Sept. 4; Serial No. 479,606; published June 26, 1945.

End-papers. Wella Corporation. 416,304; Sept. 4; Serial No. 480,395; published June 26, 1945.

Hooks and eyes. De Long Hook & Eye Company. 47,756; re-renewed Nov. 21, 1945. O. G. Sept. 4.

Pads, shoulder. Solomon Bros. Co. 416,312; Sept. 4; Serial No. 480,625; published June 26, 1945.

CLASS 42

Carpets and rugs. George S. Leiner & Co. 416,301; Sept. 4; Serial No. 480,339; published June 26, 1945.

Cloths, luncheon sets, and towels, etc. Table. California Hand Prints, Inc. 416,360; Sept. 4.

Cotton piece goods. Quinebaug Company. 206,313; renewed Nov. 24, 1945. O. G. Sept. 4.

Cotton piece goods. Tremont & Suffolk Mills. 47,843; re-renewed Nov. 21, 1945. O. G. Sept. 4.

Curtains. Texagon Mills, Inc. 416,202; Sept. 4; Serial No. 466,869; published June 26, 1945.

Fabrics, textile. Crest Fabric Corp. 416,235; Sept. 4; Serial No. 475,323; published June 26, 1945.

Flat piece goods composed wholly or partly of wool. American Woolen Company. 416,192; Sept. 4; Serial No. 461,835; published June 26, 1945.

Hollands being cotton piece goods. John Kling & Son. 199,639; renewed June 16, 1945. O. G. Sept. 4.

Netting of rayon, nylon, cotton, or silk. Texagon Mills, Inc. 416,203; Sept. 4; Serial No. 466,871; published June 26, 1945.

Rayon piece goods. E. Millus & Co., Inc. 416,266; Sept. 4; Serial No. 478,888; published June 26, 1945.

Rayon piece goods. Cantor-Greenspan Co., Inc. 416,286; Sept. 4; Serial No. 479,865; published June 26, 1945.

Sheets, pillow cases, towels, etc. Dolphin Company. 416,212; Sept. 4; Serial No. 469,465; published June 26, 1945.

Textile binding strips or ribbons. Freyberg Bros., Inc. 205,905; renewed Nov. 17, 1945. O. G. Sept. 4.

Woolen and worsted fabrics in the piece. John Walther Fabrics, Inc. 416,278; Sept. 4; Serial No. 479,653; published June 26, 1945.

CLASS 44

Dentures. Sholl Dental Laboratory Company. 416,186; Sept. 4; Serial No. 453,685; published Aug. 11, 1942.

Medicinal, surgical, and antiseptic plasters and dressings. Sanbury & Johnson. 44,812; re-renewed July 25, 1945. O. G. Sept. 4.

CLASS 45

Beverages, and sirups and extracts for making the same. Non-alcoholic, non-cereal, maltless. Red Fox Ginger Ale Co. 416,381; Sept. 4.

Beverages, nonalcoholic, maltless. Fltger Company. 200,052; renewed June 23, 1945. O. G. Sept. 4.

Beverages, nonalcoholic, maltless. P. I. McDermott. 416,225; Sept. 4; Serial No. 473,422; published June 19, 1945.

Beverages, nonalcoholic, noncereal, maltless. J. C. Gantz. 198,522; renewed May 19, 1945. O. G. Sept. 4.

Juice, fruit syrups, and chocolate syrup. Grape. Carmel Oil Co. Inc. 416,375; Sept. 4.

Mineral waters. French Lick Springs Hotel Co. 47,748-50; re-renewed Nov. 21, 1945. O. G. Sept. 4.

Mineral waters. French Lick Springs Hotel Co. 47,879; re-renewed Nov. 28, 1945. O. G. Sept. 4.

CLASS 46

Bananas. I. R. Butzbach. 205,067; renewed Nov. 3, 1945. O. G. Sept. 4.

Beverage, food. Improved Products Inc. 416,234; Sept. 4; Serial No. 475,054; published June 26, 1945.

Bicarbonate of soda, saleratus, and baking-powder. Church & Dwight Company. 47,946; re-renewed Nov. 28, 1945. O. G. Sept. 4.

Biscuits, crackers, cakes and wafers. National Biscuit Company. 202,930; renewed Sept. 8, 1945. O. G. Sept. 4.

Biscuits, wafers, crackers, etc. National Biscuit Company. 200,631; renewed July 7, 1945. O. G. Sept. 4.

Candy, ice cream, and bread, etc. Gamers Confectionery, Inc. 416,377; Sept. 4.

Canned chow mein noodles, bean sprouts, chop-suey vegetables, etc. Full Trading Company. 201,423; renewed July 28, 1945. O. G. Sept. 4.

Canned fish. Strohmeier & Arpe Company. 206,107; renewed Nov. 24, 1945. O. G. Sept. 4.

Canned fruits and canned vegetables. R. C. Williams & Co. 47,010; re-renewed Oct. 17, 1945. O. G. Sept. 4.

Canned pineapple. Sussman, Wormser & Co. 206,166; renewed Nov. 24, 1945. O. G. Sept. 4.

Canned salmon. Fidalgo Island Packing Co. 205,162; renewed Nov. 3, 1945. O. G. Sept. 4.

Canned sardines and canned anchovies. Great Atlantic and Pacific Tea Company. 204,015; renewed Oct. 6, 1945. O. G. Sept. 4.

Canned vegetables. Adolph Goldmark & Sons, Corp. 206,056; renewed Nov. 24, 1945. O. G. Sept. 4.

Canned vegetables. Iroquois Canning Corporation. 199,411; renewed June 9, 1945. O. G. Sept. 4.

Celery, fresh. A. J. Sorbello. 198,774; renewed May 26, 1945. O. G. Sept. 4.

Cheese. Triangle Cheese Company. 206,020; renewed Nov. 21, 1945. O. G. Sept. 4.

Cinnamon. Imitation. Griffith Laboratories, Inc. 416,193; Sept. 4; Serial No. 462,114; published June 26, 1945.

Cocoa, chocolate, broma, etc. Walter Baker & Company Limited. 45,728; re-renewed Aug. 29, 1945. O. G. Sept. 4.

Cocoanut. Prepared. Dunham Manufacturing Co. 44,398-9; re-renewed July 4, 1945. O. G. Sept. 4.

Cocoanut. Prepared. Franklin Baker Company. 204,581; renewed Oct. 20, 1945. O. G. Sept. 4.

Coffees, green. Westfield Brothers. 192,960; renewed Dec. 18, 1944. O. G. Sept. 4.

Crackers. C. Cartledge. 206,118; renewed Nov. 24, 1945. O. G. Sept. 4.

Flour, wheat. Washburn Crosby Company. 205,327; renewed Nov. 3, 1945. O. G. Sept. 4.

Fruits, fresh citrus. J. M. Riley Fruit Co. 206,310; renewed Nov. 24, 1945. O. G. Sept. 4.

Flour, self-rising wheat. Red Star Milling Company. 206,226; renewed Nov. 24, 1945. O. G. Sept. 4.

Fruits, fresh citrus. Anaheim Orange & Lemon Association. 206,137; renewed Nov. 24, 1945. O. G. Sept. 4.

Fruits, fresh citrus. Walnut Fruit Growers Association. 205,947; renewed Nov. 17, 1945. O. G. Sept. 4.

Fruits, fresh citrus. Irvine Citrus Association. 205,945; renewed Nov. 17, 1945. O. G. Sept. 4.

Fruits, fresh citrus. Highland Fruit Growers Association. 205,941; renewed Nov. 17, 1945. O. G. Sept. 4.

Fruits, fresh citrus. Covina Citrus Association. 205,956; renewed Nov. 17, 1945. O. G. Sept. 4.

Food products, frozen. Western Frozen Foods Co. 416,325; Sept. 4; Serial No. 480,969; published June 26, 1945.

Flour, wheat. Blanton Milling Company. 26,609; re-renewed May 28, 1945. O. G. Sept. 4.

Fruits, fresh grapes, fresh citrus fruits, etc. Fresh deciduous. J. J. Graves. 199,767; renewed June 16, 1945. O. G. Sept. 4.

Flour, wheat. Bay State Milling Company. 200,382; renewed June 30, 1945. O. G. Sept. 4.

Fruits, fresh citrus. Charter Oak Citrus Association. 204,538; renewed Oct. 20, 1945. O. G. Sept. 4.

Fruits, fresh. A. C. Gilbert. 204,559; renewed Oct. 20, 1945. O. G. Sept. 4.

Fruits, fresh citrus. Anaheim Orange & Lemon Association. 204,616; renewed Oct. 20, 1945. O. G. Sept. 4.

Fruits, fresh citrus. La Verne Co-Operative Citrus Association. 204,645; renewed Oct. 20, 1945. O. G. Sept. 4.

Fruits, fresh citrus. J. M. Riley Fruit Co. 204,803; renewed Oct. 27, 1945. O. G. Sept. 4.

Fruits, fresh citrus. Corona Citrus Association. 205,754; renewed Nov. 17, 1945. O. G. Sept. 4.

Fruits, fresh citrus. Glendora Citrus Association. 205,757; renewed Nov. 17, 1945. O. G. Sept. 4.

Fruits, fresh citrus. Orange Mutual Citrus Association. 205,759; renewed Nov. 17, 1945. O. G. Sept. 4.

Fruits, fresh citrus. Leffingwell Rancho Lemon Association. 205,762; renewed Nov. 17, 1945. O. G. Sept. 4.

Fruits, fresh citrus. Covina Citrus Association. 205,767; renewed Nov. 17, 1945. O. G. Sept. 4.

Ham, bacon, boiled ham, etc. Stark Provision Co. 205,953; renewed Nov. 17, 1945. O. G. Sept. 4.

Ice cream. H. P. Hood & Sons, Inc. 204,599; renewed Oct. 20, 1945. O. G. Sept. 4.

Jellies, jams, fruit butters, etc. Squire Dingee Company. 198,687-8; renewed May 26, 1945. O. G. Sept. 4.

Jellies, jams, fruit butters, etc. Squire Dingee Company. 205,659; renewed Nov. 10, 1945. O. G. Sept. 4.

Malt extract. Life Savers, Inc. 205,873; renewed Nov. 17, 1945. O. G. Sept. 4.

Mash for poultry. Laying. Honeggers & Co. 416,290; Sept. 4; Serial No. 479,976; published June 26, 1945.

Meat, spiced luncheon. Kingan & Co. Incorporated. 416,200; Sept. 4; Serial No. 465,871; published June 26, 1945.

Mustard, mustard oil, mustard refuse, etc. J. & J. Colman. 25,989; re-renewed Feb. 5, 1945. O. G. Sept. 4.

Pepper. J. H. Burden. 45,883; re-renewed Aug. 29, 1945. O. G. Sept. 4.

Pickles and sweet relishes. J. J. Gielow & Sons, Inc. 416,258; Sept. 4; Serial No. 478,453; published June 26, 1945.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Preparation for making food beverage. L. H. Ballif. 416,352; Sept. 4; Serial No. 481,936; published June 26, 1945.
 Raisins. B. A. Sarkisian. 416,348; Sept. 4; Serial No. 481,651; published June 26, 1945.
 Rice, prepared mustard and tomato catchup. John Sexton and Co. 200,334; renewed June 30, 1945. O. G. Sept. 4.
 Salt, Table and dairy. Diamond Crystal Salt Co. 46,309; re-renewed Sept. 12, 1945. O. G. Sept. 4.
 Salt, Table and dairy. Diamond Crystal Salt Co. 46,383; re-renewed Sept. 19, 1945. O. G. Sept. 4.
 Sugar. Postum Cereal Co., Limited. 47,531; re-renewed Nov. 7, 1945. O. G. Sept. 4.
 Vegetable and fresh deciduous fruits, Fresh. M. Lutz. 416,373; Sept. 4.
 Vegetables, Fresh. Sing Wo Kee Co. 200,964; renewed July 14, 1945. O. G. Sept. 4.
 Wheat-flour. Mayflower Mills. 45,564; re-renewed Aug. 22, 1945. O. G. Sept. 4.
 Wheat-flour. Missouri Valley Milling Company. 45,498; re-renewed Aug. 22, 1945. O. G. Sept. 4.
 Wheat-flour. Phoenix Flour Mill. 45,497; re-renewed Aug. 22, 1945. O. G. Sept. 4.
 Wheat middlings, Shorts. Russell-Miller Milling Co. 202,927; renewed Sept. 8, 1945. O. G. Sept. 4.

CLASS 47

Vermouths, champagnes and other wines. S. Steinbach. 416,370; Sept. 4.

CLASS 48

Ale. C. H. Evans & Sons. 47,951; re-renewed Nov. 28, 1945. O. G. Sept. 4.
 Beer. Burlington Brewing Company. 416,369; Sept. 4.
 Beer. Mount Carbon Manufacturing and Supply Company. 416,374; Sept. 4.
 Beer and like cereal malt. Grace Bros. Brewing Co. 416,205; Sept. 4; Serial No. 467,396; published June 12, 1945.
 Beverage, Cereal. Rubsam & Horrmann Brewing Co. 206,148; renewed Nov. 24, 1945. O. G. Sept. 4.

CLASS 49

Whiskey, brandy, gin and liqueur. Lansdowne Distillery. 416,382; Sept. 4.

CLASS 50

Bottle-corks and prescription-corks. Armstrong Cork Company. 47,385; re-renewed Oct. 31, 1945. O. G. Sept. 4.

LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF SEPTEMBER, 1945

NOTE.—Arranged in accordance with the first significant character of word of the name (in accordance with city and telephone directory practice).

Ackermann, Walter E.: See—
 McKinney, Corliss H., assignor.
 Actiengesellschaft Joh. Jacob. Rieter & Cie.: See—
 Häfeli, Jacob, assignor.
 Adelhanof, Harry S.: See—
 Schubert, A. J., and Adelhanof.
 Adlake Company, The: See—
 Larson, Carl H., assignor.
 Air Reduction Company, Incorporated: See—
 Balcar, Frederick R., assignor.
 Lorch, Arthur E., assignor.
 Aktiebolaget Mjö: See—
 Lysholm, Alf, assignor.
 Albert, Walter L., Jr., Seminole, Okla., assignor to Phillips Petroleum Company. Hydraulic governor valve. 2,384,227; Sept. 4.
 Alford, Joseph S., Nahant, Mass., assignor to General Electric Company. Gas turbine. 2,383,948; Sept. 4.
 Allen Property Custodian: See—
 De Rohden, Charles.
 Minner, Walter.
 Oppenauer, Rupert.
 Papello, Karl., assignor.
 Patin, Albert.
 Stieglitz, Albert.
 Allen, Frank M., Azusa, and C. B. Taylor, Long Beach, assignors to The All-Flex Corporation, Los Angeles, Calif. Swivel pipe coupling. 2,384,360; Sept. 4.
 Allen, Howard G., Niagara Falls, assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Automatic scale. 2,384,228; Sept. 4.
 All-Flex Corporation, The: See—
 Allen, F. M., and Taylor, assignors.
 Allied Chemical & Dye Corporation: See—
 Conrad, K. F., and Koberlein, assignors.
 Allis-Chalmers Manufacturing Company: See—
 Malmberg, Carl G., assignor.
 American Cyanamid Company: See—
 Kienle, R. H., and Pelker, assignors.
 American Enka Corporation: See—
 Hudson, Moulton L., assignor.
 Jackson, Arthur L., assignor.
 American Rolling Mill Company, The: See—
 Wolford, D. S., and La Tour, assignors.
 American Steel and Wire Company of New Jersey, The: See—
 Bletso, Bruce N., assignor.
 American Type Founders Inc.: See—
 Seybold, Frederick W., assignor.
 Ammann, Richard, Louisville, Ky., assignor to Reynolds Metals Co., Richmond, Va. Making stamping dies for aluminum sheet and the like. 2,384,229; Sept. 4.
 Amos, James L., assignor to The Dow Chemical Company, Midland, Mich. Recovery of copper halides. 2,384,361; Sept. 4.
 Andersen, Johan M., Hopkinton, Mass. Electrical connector. 2,384,267; Sept. 4.
 Anderson, Arvid E., Haverford Township, Delaware County, Pa., assignor to General Electric Company. Automatic reclosing circuit breaker system. 2,384,362; Sept. 4.
 Anderson, Harold J., et al.: See—
 Stow, Clarence E., assignor.
 Antrim, Charles H., Grand Rapids, assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich. Dust collector for grinding and other machines. 2,384,414; Sept. 4.
 Argyle, Christopher S.: See—
 Stanley, E., Argyle, and Olpin.
 Arkell & Smiths, Inc.: See—
 Bamford, Arthur P., assignor.
 Arnold, Melvin R., Charlestown, Ind., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Extraction thimble. 2,384,230; Sept. 4.
 Aronson, Peter R., Kenmore, N. Y., assignor to Union Carbide and Carbon Corporation. Making blowpipe nozzles. 2,383,949; Sept. 4.
 Arthur, Oscar F.: See—
 Payne, Charles H., assignor.
 Arundale, Erving, Colonia, N. J., assignor to Standard Oil Development Company. Cyanometadioxanes. 2,384,268; Sept. 4.
 Atlas Bolt & Screw Company, The: See—
 Schellentrager, Eugene W., assignor.
 Auer, Laszlo, South Orange, N. J., Modification of rosin. 2,384,061; Sept. 4.
 Auer, Laszlo, South Orange, N. J., Modifying rosin. 2,384,062; Sept. 4.

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Auer, Laszlo, South Orange, N. J. Amine treatment of rosin. 2,384,063; Sept. 4.
 Auer, Laszlo, South Orange, N. J. Treatment of rosin with amines. 2,384,064; Sept. 4.
 Autocal Company, The: See—
 Harrington, J. R., and Merrill, assignors.
 Automatic Control Corporation: See—
 Bower, George D., assignor.
 "Automatic" Sprinkler Company of America: See—
 Rider, Harry N., assignor.
 Automotive Products Company Limited: See—
 Simpson, John K., assignor.
 Bake, Louis S., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Quick curing neoprene cement. 2,384,269; Sept. 4.
 Baker & Company, Inc.: See—
 Crouch, H. W., and Stauss, assignors.
 Balassa, Ladislav, Flint, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating compositions and preparing them. 2,384,270; Sept. 4.
 Balcar, Frederick R., Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Purification of gases. 2,384,065; Sept. 4.
 Balcar, Frederick R., Stamford, Conn., assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc., New York, N. Y. Production of acetaldehyde from ethyl alcohol by partial oxidation. 2,384,066; Sept. 4.
 Ballman, Albert, U. S. Navy. Mooring device. 2,383,950; Sept. 4.
 Ballantine, Elmer J., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Tank construction. 2,384,067; Sept. 4.
 Bahner, Harold J., Portland, assignor of one-half to T. E. Ingersoll, Muskegon, Mich. Measuring device. 2,384,150; Sept. 4.
 Bamford, Arthur P., Millburn, N. J., assignor to Arkell & Smiths, Inc., Canajoharie, N. Y. Apparatus for applying sheet material to other materials. 2,384,231; Sept. 4.
 Bartley, John S.: See—
 Stewart, R. J., and Bartley.
 Basile, Salvatore, Bloomfield, Conn. Ship salvaging barge. 2,384,271; Sept. 4.
 Bass, Lyman C., Lake Grove, Ore. Weldrod holder and ejector. 2,383,951; Sept. 4.
 Bates, Mortimer F., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Computing sight for gliding torpedos. 2,383,952; Sept. 4.
 Batten, Percy H., et al., trustees: See—
 Lysholm, Alf, assignor.
 Baucom, John C.: See—
 Dunn, E. M., and Baucom.
 Baxter, Bruce L., administrator: See—
 Baxter, William E.
 Baxter, William E., deceased, Floyd County, Ind.; B. L. Baxter, administrator; said administrator assignor to himself, individually. Portable stove. 2,384,272; Sept. 4.
 Bay Chemical Company, Inc.: See—
 Comstock, Rock L., assignor.
 Bayes, Alfred L., Kenmore, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Lubricant. 2,384,002; Sept. 4.
 Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Method and machine for attaching soles. 2,384,003; Sept. 4.
 Beal, Fay, assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Electrical connection means. 2,384,273; Sept. 4.
 Bean, Calvin, Sykesville, Pa. License plate holder. 2,384,274; Sept. 4.
 Beard, Charles L., Lancaster, Pa. Drill guide. 2,383,953; Sept. 4.
 Beardsley & Piper Company, The: See—
 Clay, Murray G., assignor.
 Moore, James W., assignor.
 Bechberger, Paul F., and P. A. Noxon, Tenafly, assignors to Bendix Aviation Corporation, Bendix, N. J. Drift corrector. 2,384,004; Sept. 4.
 Beers, George L., Haddonfield, N. J., assignor to Radio Corporation of America. Television view finder. 2,384,232; Sept. 4.
 Bell, Charles C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Bearing assembly. 2,384,005; Sept. 4.
 Bell Telephone Laboratories, Incorporated: See—
 Ingram, Sydney B., assignor.
 Pfeiffer, Kenneth W., assignor.

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Bendix Aviation Corporation: See—
 Bechberger, P. F., and Noxon, assignors.
 Bremser, Albert T., assignor.
 Goepfrich, Rudolph A., assignor.
 Moore, Vernon, assignor.
 Trautman, Walter C., assignor.
 Bergel, Franz, and A. Cohen, Welwyn Garden City, assignors to Roche Products Limited, Welwyn Garden City, Hertfordshire, England. Manufacture of amino-alkylidene succinic acid derivatives. 2,384,068; Sept. 4.
 Berger, Leo: See—
 Lee, J., and Berger.
 Lee, J., Solmsen, and Berger.
 Berl, Ernest, Pittsburgh, Pa. Continuous production and stabilization of nitrates of cellulose or nitrates of other alcohols like starch. 2,384,415; Sept. 4.
 Berks County Trust Company: See—
 Slagle, George H., assignor.
 Bethlehem Steel Company: See—
 Kraner, Hobart M., assignor.
 Somers, Robert E., assignor.
 Bigelow, Roy S., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyor trough. 2,384,069; Sept. 4.
 Bingham, Charles R., Davenport, Iowa. Vehicle hitch. 2,384,363; Sept. 4.
 Bird, Byron M., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Jig. 2,384,151; Sept. 4.
 Bishop, Alfred H. C., Cranston, R. I. Magnifying glass holder. 2,384,233; Sept. 4.
 Black-Clawson Company, The: See—
 Martindale, Homer D., assignor.
 Black, William F., Danube, Minn. Barber comb. 2,384,152; Sept. 4.
 Bleakney, Joseph M., Manhasset, N. Y. Scouring and polishing powder. 2,384,006; Sept. 4.
 Bletso, Bruce N., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Wire drawing machine. 2,384,275; Sept. 4.
 Boice, John E.: See—
 Boice, William B. and J. E.
 Boice, William B. and J. E., Toledo, Ohio. Band saw. 2,384,364; Sept. 4.
 Bolidens Gruvaktiebolag: See—
 Häger, Bror O., assignor.
 Häger, B. O., and Kjellström, assignors.
 Bolton, Elmer K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Milling resins with thiois. 2,384,070; Sept. 4.
 Boucher, Charles P., Fostoria, Ohio, assignor to Boucher Inventions, Ltd. Electrode. 2,384,007; Sept. 4.
 Boucher Inventions, Ltd.: See—
 Boucher, Charles P., assignor.
 Bower, George D., University City, assignor to Automatic Control Corporation, St. Louis, Mo. Heat-responsive element. 2,384,153; Sept. 4.
 Boyer, Samuel R., Westminster, Md. Instrument for locating and spacing bored holes. 2,384,071; Sept. 4.
 Brandenburg, Hellmuth R., Cowell, assignor to Idaho Maryland Mines Corporation, San Francisco, Calif. Converting hydrous magnesium silicates into basic products. 2,384,008; Sept. 4.
 Brandenburg, Hellmuth R., Cowell, assignor to Idaho Maryland Mines Corporation, San Francisco, Calif. Recovering magnesium salts. 2,384,009; Sept. 4.
 Brandenburg, Hellmuth R., Grass Valley, assignor to Idaho Maryland Mines Corporation, San Francisco, Calif. Producing magnesium sulphate. 2,384,010; Sept. 4.
 Breese, Robert P., New York, assignor to General Bronze Corporation, Long Island City, N. Y. Utility furniture piece. 2,384,234; Sept. 4.
 Bremer, Norman C.: See—
 Cherry, R. E., and Bremer.
 Bremser, Albert T., Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Fuel injection apparatus. 2,384,011; Sept. 4.
 Bremser, Albert T., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Fuel injection apparatus. 2,384,012; Sept. 4.
 British Celanese Limited: See—
 Stanley, E., Argyle, and Olpin, assignors.
 Wesson, Alexander J., assignor.
 Britton, Joseph W., and R. C. Dossier, assignors to The Dow Chemical Company, Midland, Mich. Manufacture of 2,4-dinitro-6-cyclo-hexyl-phenol. 2,384,365; Sept. 4.
 Broderick & Bascom Rope Company: See—
 Larkin, David, assignor.
 Brody, Samuel C.: See—
 Whitmore, Henry G., assignor.
 Bromley, Thomas C., and A. Shortland, assignors to Mellor Bromley and Co. Limited, Leicester, England. Straight bar knitting machine. 2,384,134; Sept. 4.
 Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Stopping means for looms. 2,383,931; Sept. 4.
 Brownier, Nelson R.: See—
 Buckendale, L. R., Brownier, and Keese.
 Brubaker, Merlin M., Boothwyn, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic emulsion layers. 2,384,072; Sept. 4.

Brunk, Harold J., Chicago, Ill., assignor to The C. F. Pease Company. Apparatus for developing prints by means of gas. 2,384,155; Sept. 4.
 Brunner, Eugene E., assignor to Read Machinery Co. Inc., York, Pa. Conveyor. 2,383,932; Sept. 4.
 Buckendale, Lawrence R., Detroit, Mich., N. R., Brownier, Shaker Heights, Ohio, and B. W. Keese, Oshkosh, Wis., assignors to Timken-Detroit Axle Company, Detroit, Mich. Drive axle. 2,383,954; Sept. 4.
 Buckeye Steel Castings Company, The: See—
 Orr, C. L., and Stertzbach, assignors.
 Budd, Edward G., Manufacturing Company: See—
 Dean, Albert G., assignor.
 Watter, Michael, assignor.
 Yeager, Thomas E., assignor.
 Buena Vista Iron Company: See—
 Worthen, E. P., and Fox, assignors.
 Bullard, E. D., Company: See—
 Ludwell, Frederick R., assignor.
 Bump, Albert H., Watertown, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of resinous dispersions. 2,383,933; Sept. 4.
 Burbridge, John R., assignor to one-half to S. D. Ellenberger, Kenosha, Wis. Multiple engagement latch. 2,384,276; Sept. 4.
 Burdette, Jean R., assignor to Carton Coolers, Inc., Lincoln, Nebr. Portable magazine type package cooler. 2,384,156; Sept. 4.
 Bureau for Financial Advice, Inc.: See—
 Gottfried, Steven S., assignor.
 Burke, Edmund P., San Marino, Calif. Multitrussed unit. 2,384,157; Sept. 4.
 Burnett, John W., Chicago, Ill., assignor to Reynolds Metals Company, Richmond, Va. Rebrass truck. 2,384,235; Sept. 4.
 Burroughs Wellcome & Co. (U. S. A.) Inc.: See—
 Sargent, Leonard E., assignor.
 Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway truck brake beam support. 2,383,955; Sept. 4.
 Calcott, William S., Woodstown, N. J., and H. W. Starkweather, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Continuous process for making rubber-like materials by polymerizing elastogenic polymerizable materials. 2,384,277; Sept. 4.
 Caldora, Armand, New York, N. Y. Comb. 2,384,013; Sept. 4.
 Caldwell, Walter A., Seamill, Scotland, assignor to Imperial Chemical Industries Limited. Heater for canned foods and beverages. 2,384,278; Sept. 4.
 Calhoun, Charles G., Pittsburgh, Pa. Extension pole. 2,384,279; Sept. 4.
 Calkins, Willis A.: See—
 Torrence, G. W., and Calkins.
 Callis, Geoffrey T.: See—
 Murphy, A. J., and Callis.
 Camp, John F.: See—
 Cuyler, R. H., and Goeth, assignors.
 Campbell, George D., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Apparatus for refining glass. 2,384,073; Sept. 4.
 Carbide and Carbon Chemicals Corporation: See—
 Bayes, Alfred L., assignor.
 Cardozo, Peter S., Washington, D. C. Educational toy. 2,384,280; Sept. 4.
 Carlton, Clinton Arlie, assignor to J. M. Huber Corporation, Borger, Tex. Printing ink. 2,384,236; Sept. 4.
 Carpenter, Arley D., and E. R. Shaw, Los Angeles, Calif. Hanger. 2,384,158; Sept. 4.
 Carter, Ray E., assignor to Unit Rig & Equipment Company, Tulsa, Okla. Double port rotary seal. 2,384,281; Sept. 4.
 Carton Coolers, Inc.: See—
 Burdette, Jean R., assignor.
 Celanese Corporation of America: See—
 Thomas, Edward B., assignor.
 Chandler-Evans Corporation: See—
 Chandler, Milton E., assignor.
 Chandler, Milton E., New Britain, Conn., assignor to Chandler-Evans Corporation. Fuel injector control mechanism. 2,384,282; Sept. 4.
 Chenick, Albert G., Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Unsaturated carbamic acid esters. 2,384,074; Sept. 4.
 Cherry, Ralph E., Detroit, Mich., and N. C. Bremer, assignors to Morse Chain Company, Ithaca, N. Y. Reduction gear. 2,383,956; Sept. 4.
 Cherry Rivet Company: See—
 Kugler, Herbert W., assignor.
 Chicago Railway Equipment: See—
 Busse, Edwin G., assignor.
 Clark, Daniel R., Flint, Mich. Amusement machine. 2,384,237; Sept. 4.
 Clay, Murray G., assignor to The Beardsley & Piper Company, Chicago, Ill. Truck driving mechanism. 2,384,366; Sept. 4.
 Clayton Manufacturing Company: See—
 Griswold, Donald G., assignor.
 Cliffs-Dow Chemical Company: See—
 Harrison, Robert R., assignor.
 Cluett, Peabody & Co., Inc.: See—
 Touloumis, Simon, assignor.

Cohen, Aaron: See—
 Bergel, F., and Cohen.
 Collins Radio Company: See—
 Oberweiser, Gilbert E., assignor.
 Comstock, Rock L., Weeks, assignor to Bay Chemical Company, Inc., New Orleans, La. Stabilized furfural. 2,384,238; Sept. 4.
 Conner, Herbert W.: See—
 Crosley, R. W., and Conner.
 Conrad, Karl F. and L. F. Koberlein, Buffalo, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Symmetrical disazo dyestuffs. 2,384,283; Sept. 4.
 Consolidated Packaging Machinery Corporation: See—
 Allen, Howard G., assignor.
 Continental Can Company, Inc.: See—
 Kronquest, Alfred L., assignor.
 O'Brien, Frank J., assignor.
 Continental Gin Company: See—
 McDaniel, L. L., and Deems, assignors.
 Cordier, David E., Toledo, Ohio, assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company. Urea-formaldehyde composition. 2,384,367; Sept. 4.
 Corn Products Refining Company: See—
 Monte, R. N., and Gottfried, assignors.
 Corning Glass Works: See—
 McGregor, R. R., and Warrick, assignors.
 Cosneck, Bernard J., St. Louis, and B. J. Kessler, Clayton, Mo. Weapon. 2,383,957; Sept. 4.
 Cossin, Hursle E., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Range apparatus. 2,384,075; Sept. 4.
 Cote, Willard: See—
 Soule, G. C., and Cote.
 Cox, John W., assignor to Self-Locking Carton Co., Chicago, Ill. Carton. 2,384,076; Sept. 4.
 Craig, W. E.: See—
 Hester, W. F., and Craig.
 Crake, Wilfred S., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Oil well pump. 2,383,934; Sept. 4.
 Crompton & Knowles Loom Works: See—
 McCaslin, S. N., and Lamb, assignors.
 Crosley, Raymond W., and H. W. Conner, assignors to Wm. Wrigley, Jr., Company, Chicago, Ill. Manufacture of chocolate confections. 2,384,077; Sept. 4.
 Crouch, Harold W., Rochester, N. Y., and H. E. Stauss, Millburn, assignors to Baker & Company, Inc., Newark, N. J. Combustion of halogenated organic vapors. 2,384,368; Sept. 4.
 Crown Cork & Seal Company, Inc.: See—
 Glock, Charles E., assignor.
 Stewart, R. J., and Bartley, assignors.
 Crown Rheostat & Supply Co.: See—
 Huenerfauth, G. E., and Green, assignors.
 Curtis, Frank W., Springfield, Mass., assignor to Van Norman Company. Throttle valve for machine tool control. 2,384,078; Sept. 4.
 Cutter, George A., Dedham, assignor to Thomson-Gibb Electric Welding Company, Lynn, Mass. Welding apparatus. 2,384,014; Sept. 4.
 Cuyler, Robert H., Austin, and R. L. Goeth, Wichita Falls, assignors to J. F. Camp, San Antonio, Tex. Pressure measuring device. 2,384,159; Sept. 4.
 D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Reaction products of an aldehyde and a triazole derivative. 2,384,369; Sept. 4.
 Daly, Le Grand, Port Clinton, Ohio. Thermosetting plastic material. 2,384,015; Sept. 4.
 Dath, George E.: See—
 Haseltine, S. B., and Dath.
 Davis, Robert E., assignor to W. B. Davis & Son, Inc., Fort Payne, Ala. Hosiery. 2,384,079; Sept. 4.
 Davis, W. B., & Son, Inc.: See—
 Davis, Robert E., assignor.
 Dean, Albert G., Narberth, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Aircraft or like hollow body with external reinforcement therefor. 2,383,935; Sept. 4.
 Deems, Frank E.: See—
 McDaniel, L. L., and Deems.
 Deere & Company: See—
 Strandlund, Carl G., assignor.
 Degering, Edward F.: See—
 Gwynn, B. H., and Degering.
 De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Subresinous esterification derivatives of hydroxylated acylated diamides and making same. 2,384,080; Sept. 4.
 De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Esterification derivatives of polyacylated amides and making same. 2,384,081; Sept. 4.
 De Jong, Jack: See—
 Muggy, M. K., and de Jong.
 Demeulenaere, Marcel, Flushing, N. Y. Cash register. 2,384,082; Sept. 4.
 De Rohden, Charles, Neuilly-sur-Seine, France; vested in the Allen Property Custodian. Magnesium-base rare earth alloys. 2,384,370; Sept. 4.

Derry, Frank M., Missoula, Mont.; dedicated to the free use of the people in the territory of the United States. Parachute. 2,384,416; Sept. 4.
 Dettman, Harold V., Riverside, Ill. Eccentric die sheet metal hanging machine. 2,384,284; Sept. 4.
 Deutsch, Hans, Chicago, Ill. Utility bag. 2,384,285; Sept. 4.
 De Villeg, Gerard A., Rockford, Ill. Machine for boring. 2,383,958; Sept. 4.
 Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Piston sealing means. 2,383,959; Sept. 4.
 Dilks, Charles F., South Norwalk, Conn. Sound reproducing and amplifying device. 2,384,371; Sept. 4.
 Dishner, John H., Dallas, Tex. Evaporative cooling unit. 2,384,016; Sept. 4.
 Distillation Products, Inc.: See—
 Shantz, Edgar M., assignor.
 Doberstein, Edward J., Blue Island, assignor to Goodman Manufacturing Company, Chicago, Ill. Kerf-cutting machine. 2,384,083; Sept. 4.
 Dobson, William A., Hartford, Conn., assignor to Underwood Corporation. Typewriting machine. 2,384,017; Sept. 4.
 Doepper, Herman J., St. Paul, Minn. Fingerprinting apparatus. 2,384,018; Sept. 4.
 Dorough, George L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric material obtained by polymerizing a mixture of a conjugated diene and a cyclic imide of an olefinic dicarboxylic acid. 2,384,239; Sept. 4.
 Dossier, Robert C.: See—
 Britton, J. W., and Dossier.
 Douglas Aircraft Company, Inc.: See—
 Klemperer, W. B., and Goldberg, assignors.
 Douglas, H. A., Mfg. Co.: See—
 Beal, Fay, assignor.
 Drury, Thomas W., assignor.
 Dow Chemical Company, The: See—
 Amos, James L., assignor.
 Britton, J. W., and Dossier, assignors.
 Hebbard, George M., assignor.
 Hooker, G. W., and Landee, assignors.
 Dowling, Dudley R., Graceville, near Brisbane, assignor of one-third to F. Z. Eager, and one-third to J. Kelly, Brisbane, Queensland, Australia. Rotary pump. 2,384,286; Sept. 4.
 Downes, Daniel T., Creighton, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Container for corrosive liquids and other substances. 2,384,084; Sept. 4.
 Draper Corporation: See—
 Brown, Carl D., assignor.
 Drury, Thomas W., Sturgis, assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Junction block. 2,384,287; Sept. 4.
 Dumaw, Everett J., Pentwater, Mich. Ventilating window sash. 2,384,240; Sept. 4.
 Dunn, Ervin M., and J. C. Baucom, Concord, N. C. Knock-off motion for drawing machines. 2,384,417; Sept. 4.
 Du Pont, E. I., de Nemours & Company: See—
 Arnold, Melvin R., assignor.
 Bake, Louis S., assignor.
 Balassa, Ladislaus, assignor.
 Bolton, Elmer K., assignor.
 Brubaker, Merlin M., assignor.
 Calcott, W. S., and Starkweather, assignors.
 Dorough, George L., assignor.
 Holmen, R. E., and McGlone, assignors.
 Johnson, Charles W., assignor.
 Pilcher, William S., assignor.
 Dupuy, Charles F. J., Mahwah, N. J., assignor to O-Cedar Corp'n, Chicago, Ill. Vaporizing device. 2,383,960; Sept. 4.
 Dye, Glen M., Minneapolis, Minn. Machine for making prints. 2,384,019; Sept. 4.
 Eager, Frederick Z., et al.: See—
 Dowling, Dudley R., assignor.
 Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Time and condition responsive interlocking control system. 2,384,372; Sept. 4.
 Eddy, Arnold, Middletown, Conn., assignor of one-half to H. W. Striker, New York, N. Y. Weaving, transporting and finishing cloth. 2,384,288; Sept. 4.
 Edmondson, William H., Oak Park, Ill., assignor to United Biscuit Company of America. Clutch mechanism. 2,384,418; Sept. 4.
 Eglinton, George F., Detroit, Mich., assignor, by mesne assignments, to Lincoln Park Industries, Inc. Form crushing of abrasive wheels. 2,384,289; Sept. 4.
 Ellenberger, Stanley D.: See—
 Burbridge, John R., assignor.
 Elsner, Frank, Hanover, Pa. Label pasting device. 2,384,241; Sept. 4.
 Empire Electric Brake Corporation: See—
 Penrose, William F., assignor.
 Ernst, Walter, Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Press structure. 2,384,160; Sept. 4.
 Ernst, Walter, Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Press structure. 2,384,161; Sept. 4.

Farson, Ernest, Xenia, Ohio. Adjustable leg. 2,384,020; Sept. 4.
Federal Telephone & Radio Corporation: See—
Sherman, Vernon W., assignor.
Shoemaker, George H., assignor.
Skinker, Murray F., assignor.
Federwitz, Theodore A., and H. Grotewold, assignors to Stokes & Smith Company, Philadelphia, Pa. Adhesive applying system. 2,384,021; Sept. 4.
Fero, Arne, assignor to Rogers Diesel and Aircraft Corporation, New York, N. Y. Mechanism for the interconversion of reciprocation and rotation. 2,384,290; Sept. 4.
Fero, Arne, assignor to Rogers Diesel and Aircraft Corporation, New York, N. Y. Engine frame. 2,384,291; Sept. 4.
Fero, Arne, Staten Island, assignor to Rogers Diesel and Aircraft Corporation, New York, N. Y. Engine structure. 2,384,292; Sept. 4.
Finn, Thurman A., Denver, Colo. Folding fish net. 2,384,162; Sept. 4.
Fisher Scientific Company: See—
Warren, William B., assignor.
Fitch, Guy O., Columbiana, Ohio. Power shovel and conveyor. 2,384,242; Sept. 4.
Fleischhauer, Richard, and A. Müller, Frankfurt-on-the-Main-Fechenheim, and C. T. Schultis, Bergen, near Frankfurt-on-the-Main, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Azo dyestuffs. 2,384,419; Sept. 4.
Flohr, Alfred J.: See—
Flohr, Andrew and A. J. Buffalo, N. Y. Guard for emery wheels and the like. 2,384,243; Sept. 4.
Flowers, Paul E., Shaker Heights, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Briquetting press. 2,384,163; Sept. 4.
Forney, Harold R., Surprise, Nebr. Automatic telescopic draft hitch. 2,384,244; Sept. 4.
Forney, Harold R., Surprise, Nebr. Draft hitch. 2,384,245; Sept. 4.
Fox, Benjamin: See—
Worthen, E. P., and Fox.
Freeman, Walter R., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Compressor. 2,384,293; Sept. 4.
Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Converting hydrocarbons. 2,384,294; Sept. 4.
Freygang, Walter H., Essex Falls, assignor to Specialties Development Corporation, Bloomfield, N. J. Fluid release device. 2,383,961; Sept. 4.
Fuller, Ralph L., et al.: See—
Stow, Clarence E., assignor.
Fuller, Warren D., West Hartford, Conn., assignor to Selsas Corporation of America. Gas burner. 2,384,022; Sept. 4.
Galstaun, Lionel S., Concord, assignor to Tide Water Associated Oil Company, San Francisco, Calif. Lubricant. 2,384,023; Sept. 4.
Garrett Corporation, Ailsearch Manufacturing Company division: See—
Gill, George H., assignor.
Gay, Frazer W., Metuchen, N. J. Underground conduit. 2,384,246; Sept. 4.
Gay, Frazer W., Metuchen, N. J. Piston and cylinder construction. 2,384,247; Sept. 4.
Gaylor, Peter J., Union, N. J., assignor to Standard Oil Development Company. Alkylated aromatic hydrocarbons. 2,384,295; Sept. 4.
General Aniline & Film Corporation: See—
Fleischhauer, R., Müller, and Schultis, assignors.
General Bronze Corporation: See—
Breese, Robert P., assignor.
General Electric Company: See—
Alford, Joseph S., assignor.
Anderson, Arvid E., assignor.
D'Alelio, Gaetano F., assignor.
Eaton, John, assignor.
Hayward, Claude D., assignor.
Jones, William L., Jr., assignor.
General Timber Service, Inc.: See—
MacKenzie, Neal T., assignor.
Gerhart, Howard L., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Forming a clear plasticized styrene-maleic anhydride resin. 2,384,085; Sept. 4.
Gerung, George, Baltimore, Md. Burring machine. 2,384,164; Sept. 4.
Gill, George H., Los Angeles, assignor to The Garrett Corporation, Ailsearch Manufacturing Company division, Inglewood, Calif. Oil cooling device. 2,384,248; Sept. 4.
Gillette Safety Razor Company: See—
Stamplaman, Samuel C., assignor.
Glock, Charles E., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Making tin plate. 2,384,086; Sept. 4.
Glower, John H., Chicago, Ill. Extension stepladder. 2,383,962; Sept. 4.

Glubareff, Michael E., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Tailless airplane with movable power-plant. 2,384,296; Sept. 4.
Goepfrich, Rudolph A., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,384,297; Sept. 4.
Goeth, Richard L.: See—
Cuyler, R. H., and Goeth.
Goldberg, H.: See—
Scherry, George A., assignor.
Goldberg, Sydney J.: See—
Klemperer, W. B., and Goldberg.
Goldfarb, Jacob A., Frankfort, and E. J. Moore, Bowling Green, assignors to Union Underwear Co., Inc., Frankfort, Ky. Shorts. 2,384,165; Sept. 4.
Goldsmith, Alfred N., assignor to Radio Corporation of America, New York, N. Y. Television apparatus. 2,384,260; Sept. 4.
Goller, George N., Baltimore, Md., assignor to Rustless Iron and Steel Corporation. Thermocouple tube. 2,384,024; Sept. 4.
Goodman Manufacturing Company: See—
Bigelow, Roy S., assignor.
Dobershtein, Edward J., assignor.
Madeira, John R., assignor.
Goodrich, B. F., Company, The: See—
Tritt, Forest G., assignor.
Goodrich, Robert R., Merchantville, N. J., assignor to Radio Corporation of America. Current limiter. 2,384,087; Sept. 4.
Gottfried, Eva E., administratrix: See—
Gottfried, Steven S.
Gottfried, Jacob B.: See—
Monte, E. N., and Gottfried.
Gottfried, Steven S., deceased; E. E. Gottfried, administratrix, assignor to Bureau for Financial Advice, Inc., New York, N. Y. Treating furs. 2,383,963; Sept. 4.
Graham, Harold J., Boston, Mass. Motor starting circuits and resistance unit for use therein. 2,384,025; Sept. 4.
Green, Arthur D., Cranford, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Apparatus for the manufacture of high molecular weight polymers. 2,384,298; Sept. 4.
Green, Fred P.: See—
Huenerfauth, G. E., and Green.
Greth, August S., Oakland, Calif. Chimney damper for open fire places. 2,384,249; Sept. 4.
Griffiths, George A.: See—
Volty, M., and Griffiths.
Griswold, Donald G., assignor to Clayton Manufacturing Company, Alhambra, Calif. Pump control means. 2,384,420; Sept. 4.
Grotewold, Hans: See—
Federwitz, T. A., and Grotewold.
Gruppe, William F., Lyndhurst, N. J., assignor to Interchemical Corporation, New York, N. Y. Coating method and apparatus. 2,383,964; Sept. 4.
Guignon, Emile S., Jr.: See—
Sheldon, Ralph O., assignor.
Gunnell, Dorr J., Lansing, Mich. Stretcher. 2,384,299; Sept. 4.
Guthrie, Eldred R., et al.: See—
Stow, Clarence E., assignor.
Gwynn, Bernard H., Oakmont, Pa., and E. F. Degering, assignors to Purdue Research Foundation, Lafayette, Ind. Condensation of ketene with ketones. 2,383,965; Sept. 4.
H-P-M Development Corporation: See—
Toulmin, Harry A., Jr., assignor.
Häfel, Jacob, Uster, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie. Winterthur, Switzerland. Weighting device. 2,384,250; Sept. 4.
Hagen, Harold F., Millis, assignor to B. F. Sturtevant Company, Boston, Mass. Fan cooling system. 2,384,088; Sept. 4.
Häger, Bror O., assignor to Bolldens Gruvaktiebolag, Stockholm, Sweden. Wood preservative. 2,384,026; Sept. 4.
Häger, Bror O., and S. B. Kjellström, assignors to Bolldens Gruvaktiebolag, Stockholm, Sweden. Process and device for full-cell treatment of timber or similar material. 2,384,027; Sept. 4.
Hall, John L., Charleston, W. Va. Production of formaldehyde. 2,384,028; Sept. 4.
Hammond Machinery Builders, Inc.: See—
Antrim, Charles H., assignor.
Harrison, Norman A., assignor.
Hancock, Peter F.: See—
Robiette, A. G. E., and Hancock.
Handley, Ernest W., Arlington, and W. Segerstrom, Somerville, Mass. Vending machine. 2,384,089; Sept. 4.
Handy & Harman: See—
Leach, Robert H., assignor.
Hanna, Henry M., assignor of one-fourth to V. H. Nye, Kansas City, Mo. Toy bombing game. 2,384,166; Sept. 4.
Harford, Charles G., Quincy, assignor to A. D. Little, Inc., Cambridge, Mass. Electrolytic deposition of zinc. 2,384,300; Sept. 4.
Harford, Charles G., Quincy, assignor to A. D. Little, Inc., Cambridge, Mass. Electrolytic deposition of tungsten. 2,384,301; Sept. 4.

Harrington, James R., Mansfield, and R. L. Merrill, assignors to The Autocall Company, Shelby, Ohio. Remote indicating, supervising, or control system. 2,384,167; Sept. 4.
Harris, John L., Milwaukee, Wis., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Time mechanism. 2,384,373; Sept. 4.
Harrison, Norman A., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich. Chuck. 2,384,302; Sept. 4.
Harrison, Robert R., assignor to Cliffs-Dow Chemical Company, Marquette, Mich. Recovery of acetic acid in purified form. 2,384,374; Sept. 4.
Hartell, Lee, Houston, Tex. Well tool. 2,384,090; Sept. 4.
Hasbrook, Arthur F., assignor to O. S. Petty, San Antonio, Tex. Geophysical prospecting apparatus. 2,383,966; Sept. 4.
Haseltine, Stacy B., La Grange, and G. E. Dath, assignors to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,384,091; Sept. 4.
Haupt, Adolph: See—
Nalbach, J. R., and Haupt.
Hawkins, Ernest L., Chicago, Ill. Paintbrush. 2,384,029; Sept. 4.
Hayward, Claude D., Lansdowne, Pa., assignor to General Electric Company. Protection of electric systems. 2,384,375; Sept. 4.
Heath, William C., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Welded grating. 2,384,303; Sept. 4.
Heavens, E. M., et al.: See—
Huge, Henry M., assignor.
Hebbard, George M., assignor to The Dow Chemical Company, Midland, Mich. Recovery of sulphur dioxide and diolefines from sulphones. 2,384,376; Sept. 4.
Helfrick, Joseph R., Port Washington, N. Y. Anal retractor. 2,384,304; Sept. 4.
Helmold, William F., Clinton, Conn., assignor to Underwood Corporation. Typewriting machine. 2,384,030; Sept. 4.
Hercules Powder Company: See—
Rummelsburg, Alfred L., assignor.
Hernon, Lon, Chicago, Ill. Combination comb and brush. 2,383,967; Sept. 4.
Herron, Joseph E., Philadelphia, Pa. Engine piston. 2,384,305; Sept. 4.
Heater, William F., Drexel Hill, and W. E. Craig, assignors to Rühm & Haas Company, Philadelphia, Pa. Esters of halonitrophenols. 2,384,306; Sept. 4.
Hill, Henry C., Montclair, N. J., assignor to Wright Aeronautical Corporation. Liquid cooled supercharger. 2,384,251; Sept. 4.
Hillery, Arthur M., Leominster, Mass. Activated amusement device. 2,384,168; Sept. 4.
Hilpert, Meier G., Bethlehem, Pa. Tobacco pipe. 2,383,968; Sept. 4.
Hinds, Sherwood: See—
Jauch, R. J., and Hinds.
Hoe, R., & Co., Inc.: See—
Huck, William F., assignor.
Hoffman-La Roche, Inc.: See—
Lee, J., and Berger, assignors.
Lee, J., Solmasen, and Berger, assignors.
Schnider, Otto, assignor.
Hohl, John, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Vacuum testing apparatus. 2,383,936; Sept. 4.
Hollos, Zsigmond, New York, N. Y. Mechanical drive mechanism for vehicles. 2,384,092; Sept. 4.
Holmen, Reynold E., Lansdowne, Pa., and R. A. McGlone, Flint, Mich., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic transfer paper. 2,384,093; Sept. 4.
Holstein, Frederick W., Westfield, N. J. Combination sliding and rolling light screen. 2,384,377; Sept. 4.
Hönger, Guido, Geneva, assignor to Meina S. A., Binningen, Switzerland. Spring arrangement for time fuses. 2,384,252; Sept. 4.
Hooker, George W., and F. A. Landee, assignors to The Dow Chemical Company, Midland, Mich. Separation of sulphur dioxide and low-boiling hydrocarbons from mixtures thereof. 2,384,378; Sept. 4.
Houdaille-Hershey Corporation: See—
Magnum, C. M., and O'Connor, assignor to Western Electric Company, Incorporated, New York, N. Y. Permanent magnet steel. 2,383,969; Sept. 4.
Huber, J. M., Corporation: See—
Carlton, Clinton A., assignor.
Huck, George E., Southgate, and F. O. Luenberger, assignors to U. S. Electrical Motors, Inc., Los Angeles, Calif. Fluid pressure mechanism. 2,384,169; Sept. 4.
Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y. Ink distributing mechanism. 2,383,970; Sept. 4.
Hudson, Moulton L., West Asheville, assignor to American Enka Corporation, Enka, N. C. Waste cutter. 2,384,031; Sept. 4.
Huenerfauth, George E., and F. P. Green, assignors to Crown Rheostat & Supply Co., Chicago, Ill. Tumbling barrel liner. 2,384,170; Sept. 4.

Huge, Henry M., Lorain, Ohio, assignor of one-half to E. M. Heavens and one-half to C. P. Stocker. Frequency changer. 2,384,171; Sept. 4.
Hunt & Turner Limited: See—
Jamie, Robert C. S., assignor.
Huppert, Oskar, Newark, N. J. Condensation products of pseudothiohydantoin protein and producing same. 2,384,421; Sept. 4.
Husson, Harry L., Westfield, and R. R. Pollard, East Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Material handling apparatus. 2,384,307; Sept. 4.
Hydraulic Control Engineering Company: See—
Patton, Willis A., assignor.
Hydraulic Development Corporation, Inc., The: See—
Ernst, Walter, assignor.
Flowers, Paul E., assignor.
Tucker, Warren R., assignor.
Waldie, George A., assignor.
Idaho Maryland Mines Corporation: See—
Brandenburg, Hellmuth R., assignor.
Imperial Chemical Industries Limited: See—
Caldwell, Walter A., assignor.
Smith, Arthur E. W., assignor.
Smith, A., and Scaife, assignors.
Smith, A. E. W., Scaife, and Stanley, assignors.
Williams, Edmond G., assignor.
Independent Pneumatic Tool Company: See—
Kaman, Frank A., assignor.
Ingersoll-Rand Company: See—
Viggo Aktiebolag: See—
Raven, Carl B., assignor.
Ingersoll-Rand Company: See—
Reynolds, Harold C., assignor.
Ingersoll, Theo E.: See—
Balmer, Harold J., assignor.
Ingram, Sydney B., Fairlawn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical impulse counting circuit. 2,384,379; Sept. 4.
Interchemical Corporation: See—
Grupe, William F., assignor.
Ipatieff, Vladimir N.: See—
Pines, H., and Ipatieff.
Isserstedt, Siegfried G., Toronto, Ontario, Canada, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control mechanism. 2,384,380; Sept. 4.
Ivy, Joe G., assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Variable voltage control. 2,383,971; Sept. 4.
Jackson, Arthur L., West Asheville, assignor to American Enka Corporation, Enka, N. C. Manufacture of staple fiber. 2,384,032; Sept. 4.
Jacobson, Ralph M., Minneapolis, Minn. Conveyor mechanism. 2,384,033; Sept. 4.
Jamie, Robert C. S., Pathlow, near Stratford-on-Avon, assignor of one-half to Hunt & Turner Limited, Birmingham, England. Clip for hose and the like. 2,384,094; Sept. 4.
Jasco, Incorporated: See—
Green, Arthur D., assignor.
Kearby, Kenneth K., assignor.
Jauch, Robert J., Fort Wayne, and S. Hinds, Columbia City, assignors to The Wayne Pump Company, Fort Wayne, Ind. Pump. 2,384,172; Sept. 4.
Jearum, Frederick C., Sutton, England. Cutting, grinding or polishing machine for diamonds or other stones and the like. 2,384,253; Sept. 4.
Jeffrey Manufacturing Company, The: See—
Bird, Byron M., assignor.
Kiles, Daniel, assignor.
Lewis, Edward G., assignor.
Mercler, Stanley M., assignor.
Jensen, James A., assignor to Philadelphia Valve Company, Philadelphia, Pa. Swing joint. 2,384,308; Sept. 4.
Jocelyn, Dorothy G.: See—
Jocelyn, Douglas L., assignor.
Jocelyn, Douglas L., assignor of fifty per cent to D. G. Jocelyn, Detroit, Mich. Aircraft engine. 2,384,381; Sept. 4.
Johnson, Charles W., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinyl acetal composition and cement. 2,384,034; Sept. 4.
Johnston, Douglas, Shelbyville, Ill. Deep well pump. 2,384,173; Sept. 4.
Jones, Charles S., Los Angeles, Calif. Portable compressed air tank tire inflator. 2,384,174; Sept. 4.
Jones, Minor C. K., Elizabeth, N. J., assignor to Standard Oil Development Co. Recovery of vanadium and nickel from petroleum. 2,383,972; Sept. 4.
Jones, William L., Jr., Schenectady, N. Y., assignor to General Electric Company. Electric vacuum switch. 2,383,973; Sept. 4.
Jordan, Earl G., Moweaqua, Ill. Cylinder. 2,384,309; Sept. 4.
Judd, Charles H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Jar fastener. 2,384,310; Sept. 4.
Kaman, Frank A., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Squeeze riveter. 2,384,175; Sept. 4.
Keahey, Frank S., assignor to Kirsch Company, Sturgis, Mich. Rod coupling. 2,384,095; Sept. 4.

Kearby, Kenneth K., Elizabeth, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Chemical process. 2,384,311; Sept. 4.

Keeney, Fred, Portsmouth, Va. Percentage feeder. 2,384,176; Sept. 4.

Keese, Beverly W.: See—
Buckendale, L. R., Brownier, and Keese.

Keiser, Bernhard: See—
De Groot, M., and Keiser.

Kelly, John, et al.: See—
Dowling, Dudley R., assignor.

Kent, Henry J., Toronto, Ontario, Canada. Self-locking screw and nut. 2,384,177; Sept. 4.

Kessler, Benny J.: See—
Cosneck, Bernard J., and Kessler.

Keuper, William J., assignor to The National Marking Machine Company, Cincinnati, Ohio. Laundry marking machine. 2,384,035; Sept. 4.

Kienle, Roy H., Bound Brook, and A. L. Pelker, East Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Composition for printing flexible materials. 2,383,937; Sept. 4.

Kincald, Robert L., Arlington, Va. Holder for cleaning cloth. 2,384,178; Sept. 4.

Kinder, Lloyd L., deceased, East Pasadena, Calif.; V. Kinder, administratrix. Internal-combustion engine. 2,384,422; Sept. 4.

Kinder, Verna, administratrix: See—
Kinder, Lloyd L.

Kinser, Vernon, Detroit, Mich. Transmission. 2,383,974; Sept. 4.

Kirchner, George J., Mount Lebanon, Pa., assignor to National Tube Company. Outlet trough and mandrel bar arrangement for tube-piercing mills. 2,384,312; Sept. 4.

Kirsch Company: See—
Krahe, Frank S., assignor.

Kishline, Floyd F., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Body mount. 2,384,096; Sept. 4.

Kjellström, Stig B.: See—
Häger, Bror O., and Kjellström.

Klaskin, Alfred, Brooklyn, N. Y. Mattress. 2,384,097; Sept. 4.

Klemperer, Wolfgang B., West Los Angeles, Calif. Ranging device. 2,384,098; Sept. 4.

Klemperer, Wolfgang B., West Los Angeles, and S. J. Goldberg, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Torpedo director. 2,384,036; Sept. 4.

Klies, Daniel, Bexley, Ohio, assignor to The Jeffrey Manufacturing Company. Conveyor. 2,384,179; Sept. 4.

Knudsen, Percy E., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Container for corrosive substances. 2,384,099; Sept. 4.

Knudsen, Richard R., Chicago, Ill. Protractor. 2,384,100; Sept. 4.

Koberlein, Louis F.: See—
Conrad, K. F., and Koberlein.

Köhler, Peter R. M., Stockholm, Sweden. Evaporator for absorption refrigerating apparatus. 2,384,313; Sept. 4.

Koppel, Ernst R., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Safety pilot for gas heaters. 2,384,314; Sept. 4.

Kraner, Hobart M., Bethlehem, Pa., assignor to Bethlehem Steel Company. Semisilica brick. 2,384,180; Sept. 4.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for displacing air from filled container head spaces. 2,383,975; Sept. 4.

Kruse, Edward H., Fort Wayne, Ind. Bait can and fish sack holder. 2,384,101; Sept. 4.

Kugler, Herbert W., assignor to Cherry Rivet Company, Los Angeles, Calif. Blind rivet puller. 2,384,037; Sept. 4.

Kuhl, Paul E., Madison, N. J., assignor to Standard Oil Development Company. Cracking crude hydrocarbon oil. 2,384,315; Sept. 4.

Küng, Frederick E.: See—
Strain, F., and Küng.

La Fave, William O., Anaconda, Mont. Equilibrium grain separator. 2,384,181; Sept. 4.

Lamb, Arthur: See—
McCaslin, S. N., and Lamb.

Lamb, Francis X., East Orange, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical instrument. 2,384,316; Sept. 4.

Landee, Franc A.: See—
Hooker, G. W., and Landee.

Landis Tool Company: See—
Ott, Conrad L., assignor.

Larkin, David, Kirkwood, assignor to Broderick & Bascom Rope Company, St. Louis, Mo. Mine sweeping cable. 2,384,038; Sept. 4.

Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Electrode structure. 2,384,423; Sept. 4.

La Tour, Harry: See—
Wolford, D. S., and La Tour.

Leach, Robert H., Fairfield, Conn., assignor to Handy & Harman, New York, N. Y. Alloys. 2,383,976; Sept. 4.

Lear, Incorporated: See—
Lear, William P., assignor.

Lear, William P., Chicago, Ill., assignor, by mesne assignments, to Lear, Incorporated, Piqua, Ohio. Radio direction finding system. 2,384,317; Sept. 4.

Le Ben, Charles, Los Angeles, Calif. Selector, control valve and the like. 2,384,318; Sept. 4.

Lebus, William A., assignor to Prismacolor, Inc., Chicago, Ill. Projector. 2,384,319; Sept. 4.

Lee, Harry F., Grand Junction, Colo. Aerial cannon. 2,384,320; Sept. 4.

Lee, John, Essex Fells, and L. Berger, assignors to Hoffmann-La Roche, Inc., Nutley, N. J. α -Aniline-N-d-ribofuranoside and manufacture thereof. 2,383,977; Sept. 4.

Lee, John, Essex Fells, U. V. Solmsen, Clifton, and L. Berger, assignors to Hoffmann-La Roche, Inc., Nutley, N. J. Aromatic amine-n-pentapyranosides and manufacture of same. 2,384,102; Sept. 4.

Lee, John, Essex Fells, U. V. Solmsen, Clifton, and L. Berger, assignors to Hoffmann-La Roche, Inc., Nutley, N. J. Manufacture of pentoses. 2,384,103; Sept. 4.

Lee, John, Essex Fells, and L. Berger, assignors to Hoffmann-La Roche, Inc., Nutley, N. J. Triacyl pentoses and manufacture thereof. 2,384,104; Sept. 4.

Lee, John, Essex Fells, U. V. Solmsen, Clifton, and L. Berger, assignors to Hoffmann-La Roche, Inc., Roche Park, Nutley, N. J. Ribitylamino benzene and manufacture thereof. 2,384,105; Sept. 4.

Lees, Milton H., Jr., Pasadena, Calif. Rivet construction. 2,384,321; Sept. 4.

Le Tourneau, R. G., Inc.: See—
Le Tourneau, Robert G., assignor.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Scraper tail-gate mount and control. 2,383,978; Sept. 4.

Lewis, Edward G., London, Ohio, assignor to The Jeffrey Manufacturing Company. Power operated clutch. 2,384,182; Sept. 4.

Libbey-Owens-Ford Glass Company: See—
Cordier, David E., assignor.

Meyer, Leonard S., assignor.

Lichty, Joy G., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Alkoxy nitriles. 2,384,106; Sept. 4.

Lieber, Eugene, Staten Island, N. Y., assignor to Standard Oil Development Company. Condensation products and preparing and using same. 2,384,107; Sept. 4.

Lincoln Park Industries, Inc.: See—
Eglinton, G. F., assignor.

Lindstaedt, Frank F., San Anselmo, Calif. Hosiery run inhibiting preparation. 2,384,382; Sept. 4.

Lipe-Rollway Corporation: See—
Spase, Charles B., assignor.

Little, Arthur D., Inc.: See—
Harford, Charles G., assignor.

Lockheed Aircraft Corporation: See—
Schubert, A. J., and Adelhanof, assignors.

Locomotive Economizer Corporation: See—
Thompson, Le Roy, assignor.

Lomax, Sue: See—
Marsan, Charles R., assignor.

Lorch, Arthur E., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Production of butadiene. 2,384,108; Sept. 4.

Lord Manufacturing Company: See—
Yates, Tom L., assignor.

Lotz, John F., Jr., Birmingham, Ala. Bag filling holder. 2,384,109; Sept. 4.

Luccous, John C.: See—
Ott, H. C., and Luccous.

Ludwell, Frederick R., San Jose, assignor to E. D. Bulard Company, San Francisco, Calif. Safety headgear. 2,384,183; Sept. 4.

Luenberger, Frederick O.: See—
Huck, G. E., and Luenberger.

Lyholm, Alf, assignor to Aktiebolaget Millo, Stockholm, Sweden. Internal-combustion motor. 2,383,979; Sept. 4.

Lyholm, Alf, Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., as trustees. Variable-speed power transmission. 2,383,980; Sept. 4.

Lyholm, Alf, Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., as trustees. Hydraulic variable speed power transmission. 2,383,981; Sept. 4.

MacKenzie, Neal T., assignor to General Timber Service, Inc., St. Paul, Minn. Sectional wood gutter. 2,383,938; Sept. 4.

Madeira, John R., assignor to Goodman Manufacturing Company, Chicago, Ill. Car loading conveyor. 2,384,385; Sept. 4.

Magnum, Gervase M., and B. E. O'Connor, Buffalo, N. Y., assignors to Houdaille-Hershey Corporation, Detroit, Mich. Hydraulic shock absorber. 2,384,186; Sept. 4.

Malmberg, Carl G., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Gasketed joint. 2,384,386; Sept. 4.

Malmquist, Oscar V., Minneapolis, Minn. Power transmission mechanism. 2,384,110; Sept. 4.

Malone, Homer E., assignor to Perfex Corporation, Milwaukee, Wis. Control mechanism. 2,383,982; Sept. 4.

Manson, Frank G., and J. J. Maskey, Dayton, Ohio. Parachute canopy. 2,384,187; Sept. 4.

Marble, Jarvis C., et al., trustees: See—
Lyholm, Alf, assignor.

Marchant, Guy O., et al.: See—
Walker, Jay P., assignor.

Marsan, Charles R., assignor of one-half to S. Lomax, New York, N. Y. Hospital bed. 2,384,325; Sept. 4.

Marshall, Robert W., Santa Clara, Calif. Toy gun. 2,383,939; Sept. 4.

Martin, Wesley G., assignor to A. O. Smith Corporation, Milwaukee, Wis. Making hot-water tanks. 2,384,324; Sept. 4.

Martindale, Homer D., Middletown, assignor to The Black-Clawson Company, Hamilton, Ohio. Paper pulping apparatus. 2,384,326; Sept. 4.

Maskey, James J.: See—
Manson, F. G., and Maskey.

McCaslin, Stanley N., and A. Lamb, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Nose board for axminster looms. 2,384,322; Sept. 4.

McClary, Rush F., Beacon, assignor to The Texas Company, New York, N. Y. Aliphatic-ether-alcohol derivatives of cashew nut shell oil. 2,384,323; Sept. 4.

McDaniel, Lucien L., and F. E. Deems, Birmingham, Ala., assignors to Continental Gin Company. Cotton cleaner. 2,384,388; Sept. 4.

McElhinney, Eric M., Dysart, Iowa. Coupler device. 2,384,185; Sept. 4.

McGlone, Ronald A.: See—
Holmen, R. E., and McGlone.

McGregor, Rob R., Verona, and E. L. Warrick, Pittsburgh, Pa., assignors to Corning Glass Works, Corning, N. Y. Polymeric silicone and making it. 2,384,384; Sept. 4.

McKinney, Corluis H., Carbondale, assignor to Walter E. Ackermann, Belleville, Ill. Apparatus for making coke. 2,384,184; Sept. 4.

Means, Dwight, Wadsworth, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Transportation of caustic. 2,384,111; Sept. 4.

Medical & Industrial Equipment Limited: See—
Talley, Henry A. E., assignor.

Mefna, S. A.: See—
Hönger, Guido, assignor.

Mellicar, Joseph F., assignor to The Parker Appliance Company, Inc., Cleveland, Ohio. Valve assembly. 2,383,983; Sept. 4.

Mellor Bromley and Co. Limited: See—
Bromley, T. C., and Shortland, assignors.

Mendelsohn, Samuel, Montclair, N. J. Ejector socket. 2,384,327; Sept. 4.

Mercer, Stanley M., Bexley, Ohio, assignor to The Jeffrey Manufacturing Company. Shear pin mechanism. 2,384,188; Sept. 4.

Mercier, Stanley M., Bexley, Ohio, assignor to The Jeffrey Manufacturing Company. Elevator. 2,384,189; Sept. 4.

Meredew, George C., assignor to Self-Priming Pump & Engineering Co. Limited, London, England. Motor-driven centrifugal pump for liquid. 2,384,254; Sept. 4.

Merrill, Leslie M., et al., trustees: See—
Lyholm, Alf, assignor.

Merrill, Roger L.: See—
Harrington, J. R., and Merrill.

Meyer, Harvey E., Kansas City, Mo. Twin portable tubs and supports therefor. 2,384,112; Sept. 4.

Meyer, Leonard S., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Treatment of urea-formaldehyde resin foam. 2,384,387; Sept. 4.

Middleby-Marshall Oven Co.: See—
Nalbach, J. R., and Haupt, assignors.

Migliarese, John, assignor to The National Marking Machine Company, Cincinnati, Ohio. Identification marking of fabrics. 2,384,039; Sept. 4.

Miller, George H., Athol, Mass. Foldable cribbage board. 2,384,040; Sept. 4.

Miller, Milo F., Kansas City, Mo. Insect attractor and destroyer. 2,384,190; Sept. 4.

Miller, Robert A., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Preparing electrotypes. 2,384,113; Sept. 4.

Minneapolis-Honeywell Regulator Company: See—
Harris, John L., assignor.

Isnerstedt, S. G., assignor.

Miner, W. H., Inc.: See—
Haseltine, S. B., and Dath, assignors.

Minner, Walter, Erfurt, Germany; vested in the Allen Property Custodian. Track for toy vehicles. 2,383,940; Sept. 4.

Monsanto Chemical Company: See—
Bump, Albert H., assignor.

Monte, Richard N., La Grange, and J. B. Gottfried, Chicago, Ill., assignors to Corn Products Refining Company, New York, N. Y. Modified whole corn protein and preparing same. 2,384,388; Sept. 4.

Moore, Bartram H., Doylestown, Pa. Mold for frozen comestibles. 2,384,041; Sept. 4.

Moore, Everett J.: See—
Goldfarb, J. A., and Moore.

Moore, George C., Sr., Glendale, Calif. Pants guard. 2,384,255; Sept. 4.

Moore, James W., Norfolk, Va., assignor to The Beardsley & Piper Company, Chicago, Ill. Portable hopper. 2,384,389; Sept. 4.

Moore, Lou Q., Pueblo, Colo. Anchorage means for railway rails. 2,384,328; Sept. 4.

Moore, Vernon, Catonsville, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Remote control apparatus. 2,384,114; Sept. 4.

Morrell, Charles E., Roselle, and M. W. Swaney, Linden, N. J., assignors to Standard Oil Development Company. Prevention of copper acetylde precipitation. 2,384,329; Sept. 4.

Morse Chain Company: See—
Cherry, R. E., and Bremer, assignors.

Mugby, Marjorie K., and J. de Jong, New York, N. Y. Garment style designing set. 2,384,330; Sept. 4.

Müller, Adolf: See—
Fleischauer, R., Müller, and Schultis.

Murphy, Alfred J., Petts Wood, and G. T. Callis, Pinner, assignors to J. Stone & Company Limited, Deptford, England. Refining of copper base alloys. 2,384,256; Sept. 4.

Muskat, Irving E., and F. Strain, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Polybasic acid-polyhydric alcohol esters and polymers thereof. 2,384,115; Sept. 4.

Muskat, Irving E., and F. Strain, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Unsaturated esters and polymers thereof. 2,384,116; Sept. 4.

Muskat, Irving E., and F. Strain, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Unsaturated esters and polymers thereof. 2,384,117; Sept. 4.

Muskat, Irving E., and F. Strain, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Composition of matter. 2,384,118; Sept. 4.

Muskat, Irving E., Akron, and F. Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated esters. 2,384,119; Sept. 4.

Muskat, Irving E., Akron, and F. Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated esters and polymers thereof. 2,384,120; Sept. 4.

Muskat, Irving E., Akron, and F. Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated esters and polymers thereof. 2,384,121; Sept. 4.

Muskat, Irving E., Akron, and F. Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated ester and polymer thereof. 2,384,122; Sept. 4.

Muskat, Irving E., Akron, and F. Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated carbonate esters and polymers thereof. 2,384,123; Sept. 4.

Muskat, Irving E., Akron, and F. Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated esters and polymers thereof. 2,384,124; Sept. 4.

Muskat, Irving E., Akron, and F. Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated esters and polymers thereof. 2,384,125; Sept. 4.

Muskat, Irving E., Akron, and F. Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated esters and polymers thereof. 2,384,126; Sept. 4.

Nailor, Albert R., Mentor, Ohio. Parachute. 2,384,127; Sept. 4.

Nalbach, John R., Oak Park, and A. Haupt, assignors to Middleby-Marshall Oven Co., Chicago, Ill. Bake oven. 2,384,390; Sept. 4.

Nash-Kelvinator Corporation: See—
Cossin, Hursle E., assignor.

Kishline, Floyd F., assignor.

Nation, Frank W., Fort Gibson, Okla. Pipe-cutting machine. 2,384,128; Sept. 4.

National Blank Book Company: See—
Schade, John, assignor.

National Company, Inc.: See—
Smith, Graydon, assignor.

National Marking Machine Company, The: See—
Keuper, William J., assignor.

Migliarese, John, assignor.

National Tube Company: See—
Kirchner, George J., assignor.

Neely, William H., assignor, by mesne assignments, to The Universal Wire Spring Company, Cleveland, Ohio. Spring and spring constructions for cushioned seats. 2,384,191; Sept. 4.

Neilsen, Albert H., Tulsa, Okla. Insert for sucker rod elevators. 2,384,331; Sept. 4.

Neptune Meters Limited: See—
Stroud, William F., assignor.

Neureuther, George C.: See—
Rodgers, C. H., and Neureuther.

Nicholas, Paul E., St. Joseph, Mo. Detachable wardrobe fitting for hand luggage. 2,384,332; Sept. 4.

Nilson, John L., Chicago, Ill. Golf club. 2,384,333; Sept. 4.

Nilsson, Ragnar H., assignor to Svenska Aktiebolaget Bromsregulator, Malmö, Sweden. Vehicle brake. 2,384,257; Sept. 4.

Noxon, Paul A.: See—
Bechberger, P. F., and Noxon.

Nye, Verne H.: See—
Hanna, Henry M., assignor.

Oberfell, George G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalyst chamber. 2,384,258; Sept. 4.

Oberweiser, Gilbert E., assignor to Collins Radio Company, Cedar Rapids, Iowa. Zero phase shift selective amplifier. 2,383,984; Sept. 4.

O'Brien, Frank J., Pelham, assignor to Continental Can Company, Inc., New York, N. Y. End seam for metal containers. 2,384,042; Sept. 4.

O'Connor, Bernard E.: See—
Magnum, G. M., and O'Connor.

Ogg, George P., Springfield, Ohio. Rear mount for fixed machine guns. 2,383,985; Sept. 4.

Olpin, Henry C.: See—
Stanley, E., Argyle, and Olpin.

Olson, Frank G., Chicago, Ill. Pneumatic pickup device. 2,384,334; Sept. 4.

Oppenauer, Rupert, Amsterdam, Netherlands; vested in the Allen Property Custodian. Oxidizing unsaturated polycyclic alcohols. 2,384,335; Sept. 4.

Orr, Claude L., and H. W. Stertzbach, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Support for brake rigging. 2,384,129; Sept. 4.

Otis, Carl W., Rockville Center, N. Y. Ornamental illuminating device. 2,383,941; Sept. 4.

Otis, Herbert C., and J. C. Luccous, Dallas, Tex.; said Luccous assignor to said Otis. Well packer and apparatus for producing wells. 2,384,192; Sept. 4.

Ott, Conrad L., Detroit, Mich., assignor to Landis Tool Company, Waynesboro, Pa. Clamping fixture. 2,384,391; Sept. 4.

Owens-Illinois Glass Company: See—
Hohl, John, assignor.

Wensel, P., Whisner, and Rugh, assignors.

Package Machinery Company: See—
Smith, Elmer L., and Wetsel, assignors.

Page, Albert E., assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting. 2,383,986; Sept. 4.

Page, Albert E., assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitted fabric. 2,384,392; Sept. 4.

Papello, Karl, Jena, Germany; vested in the Allen Property Custodian. Device for directing and calculating apparatus. 2,384,043; Sept. 4.

Parker Appliance Company, Inc., The: See—
Meliador, Joseph F., assignor.

Parr, Josephus O., Jr., assignor to O. S. Petty, San Antonio, Tex. Stabilizer for automatic volume control circuits. 2,384,393; Sept. 4.

Patin, Albert, Berlin, Germany; vested in the Allen Property Custodian. Automatic electrical control means. 2,383,942; Sept. 4.

Patton, Willis A., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Flow control valve. 2,384,394; Sept. 4.

Payne, Charles H., Melbourne, Fla., assignor to O. F. Arthur, Belle Vernon, Pa. Apparatus for laying mats on landing fields. 2,384,395; Sept. 4.

Pease, C. F., Company, The: See—
Brunk, Harold J., assignor.

Pelker, Alfred L.: See—
Kienle, R. H., and Pelker.

Pell, Phil S., and A. F. Wallace, Honolulu, Hawaii. Cable and structural shape cutter. 2,384,130; Sept. 4.

Penrose, William F., Irvington, N. J., assignor to Empire Electric Brake Corporation. Rheostat. 2,383,987; Sept. 4.

People in the territory of the United States, dedicated to the free use of the: See—
Derry, Frank M.

Perfex Corporation: See—
Malone, Homer E., assignor.

Perry, Frank R., Sacramento, Calif. Making abrasive material. 2,383,988; Sept. 4.

Petrolite Corporation, Ltd.: See—
DeGroote, M., and Keiser, assignors.

Petty, Olive S.: See—
Hasbrook, Arthur F., assignor.

Parr, Josephus O., Jr., assignor.

Peyer, Frank, Bethlehem, Pa. Ingot tongs. 2,384,396; Sept. 4.

Pfieger, Kenneth W., Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,384,336; Sept. 4.

Philadelphia Valve Company: See—
Jensen, James A., assignor.

Phillips Petroleum Company: See—
Albert, Walter L., Jr., assignor.

Frey, Frederick E., assignor.

Oberfell, George G., assignor.

St. Clair, Theodore A., assignor.

Pilcher, William S., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for manufacturing explosives. 2,383,989; Sept. 4.

Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of catalysts. 2,384,337; Sept. 4.

Pittsburgh Plate Glass Company: See—
Ballantine, Elmer J., assignor.

Campbell, George D., assignor.

Chenick, Albert G., assignor.

Downes, Daniel T., assignor.

Gerhart, Howard L., assignor.

Kaudsen, Percy E., assignor.

Means, Dwight, assignor.

Miller, Robert A., assignor.

Muskat, I. E., and Strain, assignors.

Strain, F., and Kung, assignors.

Platt, Beverly H., Kansas City, Mo. Toy airplane. 2,384,193; Sept. 4.

Pollard, Robert R.: See—
Husson, H. L., and Pollard.

Poorman, John E., Philadelphia, Pa. Reversing mechanism. 2,384,044; Sept. 4.

Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Tape distribution system. 2,384,194; Sept. 4.

Prange, Alfons F., St. Louis, Mo. Grinder or turning lathe dog. 2,383,943; Sept. 4.

Price, Clifford L., Oakland, Calif. Sound recording and reproducing system. 2,384,131; Sept. 4.

Prismacolor, Inc.: See—
Lebus, William A., assignor.

Widell, Charles, assignor.

Puleo, Anthony J.: See—
Puleo, Joseph M., and A. J. Puleo, Baltimore, Md. Remote control for varying electric welding resistance. 2,384,195; Sept. 4.

Purdue Research Foundation: See—
Gwynn, B. H., and Degering, assignors.

Quinby, Edwin J., Key West, Fla., assignor to Radio Corporation of America. Viewing device. 2,384,259; Sept. 4.

Quisling, Sverre, Madison, Wis. Proamine coating materials. 2,383,990; Sept. 4.

Radio Corporation of America: See—
Beers, George L., assignor.

Goldsmith, Alfred N., assignor.

Goodrich, Robert R., assignor.

Quinby, Edwin J., assignor.

Schlesinger, Kurt, assignor.

Raggio, Maynard H., Chicago, Ill. Desk with typewriter attachment. 2,384,045; Sept. 4.

Ramsay, Erskine, Birmingham, Ala. Machine for driving slopes and air courses in mines. 2,384,397; Sept. 4.

Rasso, Walter, Chicago, Ill. Fence post or the like. 2,384,338; Sept. 4.

Raven, Carl B., assignor to Ingeniörsfirma Viggo Aktiebolag, Helsingborg, Sweden. Sterilizing container. 2,384,398; Sept. 4.

Raynolds, James W., Easton, Pa. Coating compositions. 2,384,132; Sept. 4.

Read, Davis, Jr., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,384,339; Sept. 4.

Read Machinery Co., Inc.: See—
Brunner, Eugene E., assignor.

Reed-Prentice Corporation: See—
Rougemont, R. L., and Wilson, assignors.

Reggio, Ferdinando C., Harwick Port, Mass. Governing means. 2,384,340; Sept. 4.

Reynolds, Harold C., Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Wrench. 2,384,399; Sept. 4.

Reynolds Metals Co.: See—
Ammann, Richard, assignor.

Reynolds Metals Company: See—
Burnett, John W., assignor.

Richards, Joseph W., New York, N. Y. Attaining realistic animation for photographic purposes. 2,384,341; Sept. 4.

Rider, Harry N., assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio. Valve. 2,384,342; Sept. 4.

Robiette, Alfred G. E., and P. F. Hancock, Erdington, England. Heat-treatment of metals. 2,384,261; Sept. 4.

Roche Products Limited: See—
Bergel, F., and Cohen, assignors.

Rodgers, Charles H., Peoria, and G. C. Neureuther, Morton, assignors to Hiram Walker & Sons Inc., Peoria, Ill. Contact apparatus. 2,384,424; Sept. 4.

Rogers Diesel and Aircraft Corporation: See—
Fero, Arne, assignor.

Röhm & Haas Company: See—
Hester, W. F., and Craig, assignors.

Rondinone, Joseph F., assignor of one-fourth to W. C. Rondinone, Wethersfield, Conn. Inside micrometer. 2,384,343; Sept. 4.

Rondinone, Winifred C.: See—
Rondinone, Joseph F., assignor.

Rosen, Oscar E., Detroit, Mich. Hand-feed control means for duplicating machines. 2,384,196; Sept. 4.

Rougemont, René L., and J. B. Wilson, assignors to Reed-Prentice Corporation, Worcester, Mass. Milling machine. 2,384,133; Sept. 4.

Rugh, Robert H.: See—
Wensel, P., Whisner, and Rugh.

Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Terpene resins. 2,384,400; Sept. 4.

Rustless Iron and Steel Corporation: See—
Goller, George N., assignor.

Rutan, Earl F., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating apparatus. 2,384,262; Sept. 4.

St. Clair, Leo J., East Orange, N. J. Tool and making the same. 2,384,204; Sept. 4.

St. Clair, Theodore A., Pontiac, Mich., assignor to Phillips Petroleum Company. Gas dispensing system. 2,384,266; Sept. 4.

Saltz, Frank H., La Crosse, Wis. Rotary file. 2,383,944; Sept. 4.

Sargent, Leonard E., Yonkers, N. Y., assignor to Burroughs Wellcome & Co. (U. S. A.) Inc. Making tetraiodophenol-phthalein. 2,384,425; Sept. 4.

Sarkisian, Hachig, North Andover, Mass. Wool-combing machine. 2,384,344; Sept. 4.

Sarossy, Albert, West Orange, N. J. Die holder and tail-stock center. 2,383,991; Sept. 4.

Scaife, Charles W.: See—
Smith, A., and Scaife.

Smith, A. E. W., Scaife, and Stanley.

Scanlon, Michael J., Baltimore, Md. Internal-combustion engine. 2,384,401; Sept. 4.

Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Making metal parts for ring binders. 2,384,134; Sept. 4.

Schellentrager, Eugene W., Shaker Heights, Ohio, assignor to The Atlas Bolt & Screw Company. Trip device for scale mechanism. 2,384,345; Sept. 4.

Scherry, George A., assignor to H. Goldberg, Chicago, Ill. Automatic stopping and starting generator set. 2,384,135; Sept. 4.

Schlesinger, Kurt, West Lafayette, Ind., assignor to Radio Corporation of America. Video amplifier. 2,384,263; Sept. 4.

Schlueter, Ernest, Hollis, N. Y. Slotted screw. 2,384,264; Sept. 4.

Schmell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Industrial brake. 2,384,346; Sept. 4.

Schneider, Otto, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Pyridine derivatives and manufacture of same. 2,384,136; Sept. 4.

Schneider, Otto, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of pyridine derivatives. 2,384,137; Sept. 4.

Schreiber, Rudolph E., Chicago, Ill. Buckle. 2,384,197; Sept. 4.

Schubert, Andrew J., Burbank, and H. S. Adelmanof, Sherman Oaks, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Flanged metal article and making same. 2,384,402; Sept. 4.

Schultis, Carl T.: See—
Fleischhauer, R., Müller, and Schultis.

Schultze, Norman C., Baltimore, Md., assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc. Refining dammar resins. 2,384,138; Sept. 4.

Schutz, Michael, Jackson Heights, assignor to Steinway & Sons, New York, N. Y. Cage nut tool. 2,384,347; Sept. 4.

Schwitzer, Edmund O., Jr., Northbrook, Ill. Navigational apparatus. 2,384,348; Sept. 4.

Schwinn, Frank W., Chicago, Ill. Folding crank for bicycles. 2,384,139; Sept. 4.

Science Laboratories, Inc.: See—
Sperti, George, assignor.

Scott & Williams, Incorporated: See—
Page, Albert E., assignor.

Segerstrom, Walter: See—
Handley, E. W., and Segerstrom.

Selas Corporation of America: See—
Fuller, Warren D., assignor.

Self-Locking Carton Co.: See—
Cox, John W., assignor.

Self-Priming Pump & Engineering Co. Limited: See—
Meredew, George C., assignor.

Serbold, Frederick W., Westfield, assignor to American Type Founders Incorporated, Elizabeth, N. J. Sheet feeding mechanism. 2,384,046; Sept. 4.

Shantz, Edgar M., assignor to Distillation Products, Inc., Rochester, N. Y. Vacuum distillation process and apparatus. 2,383,945; Sept. 4.

Sharp, Thomas E.: See—
Wallace, J. S., and Sharp.

Shaw, Ebe R.: See—
Carpenter, A. D., and Shaw.

Sheldon, Ralph O., assignor to E. S. Guignon, Jr., Kansas City, Mo. Interlocking building structure. 2,384,198; Sept. 4.

Shell Development Company: See—
Crake, Wilfred S., assignor.

Sherman, Donald W., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Forging die. 2,384,349; Sept. 4.

Sherman, Vernon W., Summit, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Induction heating apparatus and flux field control thereof. 2,383,992; Sept. 4.

Sherwood, Lester L., Los Angeles, Calif. Billfold. 2,384,199; Sept. 4.

Shoemaker, George H., Brooklyn, assignor to Federal Telephone & Radio Corporation, New York, N. Y. Selenium rectifier temperature indicator. 2,384,200; Sept. 4.

Shortland, Arthur: See—
Bromley, T. C., and Shortland.

Silix Company, The: See—
Wolcott, Frank E., assignor.

Simpson, John K., assignor to Automotive Products Company Limited, Leamington Spa, England. Locking device for remote control and other force transmitting systems. 2,384,201; Sept. 4.

Skinker, Murray F., Montclair, assignor to Federal Telephone and Radio Corporation, Newark, N. J. Rectifier and making same. 2,383,993; Sept. 4.

Skulley, John V., Chicago, Ill. Meter and scale therefor. 2,384,350; Sept. 4.

Slagle, George H., Temple, assignor, by mesne assignments, to Berks County Trust Company, Reading, Pa. Forming extended lengths of metal wire. 2,384,351; Sept. 4.

Smith, A. O., Corporation: See—
Heath, William C., assignor.

Koppel, Ernst R., assignor.

Martin, Wesley G., assignor.

Sherman, Donald W., assignor.

Smith, Arthur E. W., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Manufacture of organic nitrogen compounds. 2,384,047; Sept. 4.

Smith, Arthur E. W., and C. W. Scaife, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Manufacture of organic nitrogen compounds. 2,384,048; Sept. 4.

Smith, Arthur E. W., C. W. Scaife and R. H. Stanley, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Production of polyvinylpyrrolidene. 2,384,049; Sept. 4.

Smith, Arthur E. W., C. W. Scaife, and R. H. Stanley, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Preparation of a-nitro-isobutene. 2,384,050; Sept. 4.

Smith, Charles V., assignor to The Univis Lens Company, Dayton, Ohio. Pressure control valve. 2,384,202; Sept. 4.

Smith, Clyde, Hopkinsville, Ky. Signal system. 2,384,352; Sept. 4.

Smith, Elmer L., Longmeadow, and C. Wetsel, assignors to Package Machinery Company, Springfield, Mass. Cartridge loader. 2,384,140; Sept. 4.

Smith, Graydon, Concord, assignor to National Company, Inc., Malden, Mass. Phonograph pickup. 2,383,994; Sept. 4.

Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Compositions containing resinous polymers of cyclopentadiene. 2,384,141; Sept. 4.

Sollinger, Ferdinand P., Paterson, N. J., assignor to Wright Aeronautical Corporation. Centrifugal compressor entry vane construction. 2,384,265; Sept. 4.

Solmsen, Ulrich V.: See—
Lee, J., Solmsen, and Berger.

Somers, Robert E., Hellertown, Pa., assignor to Bethlehem Steel Company. Stud. 2,384,403; Sept. 4.

Soule, George C., South Portland, Maine, and Willard Cote, Detroit, Mich. Strap for cargo lashing equipment. 2,384,404; Sept. 4.

Spase, Charles B., Nedrow, assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Friction clutch. 2,384,405; Sept. 4.

Specialties Development Corporation: See—
Freygang, Walter H., assignor.

Sperry Gyroscope Company, Inc.: See—
Bates, Mortimer F., assignor.

Sperti, George, Covington, Ky., assignor to Science Laboratories, Inc., Norwood, Ohio. Irradiation process and means. 2,384,203; Sept. 4.

Spingler, Harry, assignor of twenty-five per cent to R. H. Spingler, Brooklyn, N. Y. Vapor treatment device. 2,384,142; Sept. 4.

Spingler, Richard H.: See—
Spingler, Harry, assignor.

Square D Company: See—
Woods, William H., assignor.

Stamplaman, Samuel C., Cohasset, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor blade. 2,384,051; Sept. 4.

Standard Oil Company: See—
Wallace, J. S., and Sharp, assignors.

Standard Oil Development Company: See—
Arundale, Erving, assignor.

Gaylor, Peter J., assignor.

Jones, Minor C. K., assignor.

Kuhl, Paul E., assignor.

Lieber, Eugene, assignor.

Morrell, C. E., and Swaney, assignors.

Tyson, Charles W., assignor.

Stanley, Edmund, C. S. Argyle, and H. C. Olpin, Spondon, near Derby, assignors to British Celanese Limited, London, England. Colored material. 2,383,995; Sept. 4.

Stanley, Robert H.: See—
Smith, A. E. W., Scaife, and Stanley.

Stanolind Oil and Gas Company: See—
Sweet, Reginald C., assignor.

Starkweather, Howard W.: See—
Calcott, W. S., and Starkweather.

Stauss, Henry E.: See—
Crouch, H. W., and Stauss.

Steinway & Sons: See—
Schutz, Michael, assignor.

Stertzbach, Harry W.: See—
Orr, C. L., and Stertzbach.

Stewart, Robert J., and J. S. Bartley, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Cap feeding apparatus. 2,384,052; Sept. 4.

Stieglitz, Albert, Berlin-Spandau, Germany; vested in the Allen Property Custodian. Power regulation for aircraft engines. 2,384,353; Sept. 4.

Stocker, Clooman P., et al.: See—
Huge, Henry M., assignor.

Stokes & Smith Company: See—
Federwitz, T. A., and Grotewold, assignors.

Stone, J., & Company Limited: See—
Murphy, A. J., and Callis, assignors.

Stone, John T., Baltimore, Md. Power scissors. 2,384,205; Sept. 4.

Stow, Clarence E., assignor of one-fourth to E. R. Guthrie, one-fourth to H. J. Anderson, and one-eighth to R. L. Fuller, Kansas City, Mo. Pouring attachment for bottles. 2,384,206; Sept. 4.

Stoye, Lothar H., San Leandro, Calif. Sand trap. 2,384,207; Sept. 4.

Strain, Franklin: See—
Muskat, I. E., and Strain.

Strain, Franklin, Barberton, and F. E. Kung, Akron, Ohio, assignors to Pittsburgh Plate Glass Company. Vinyl esters. 2,384,143; Sept. 4.

Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plow. 2,384,406; Sept. 4.

Striker, Hilda W.: See—
Eddy, Arnold, assignor.

Stroud, William F., Humber Bay, Ontario, Canada, assignor to Neptune Meters Limited. Magnetic lock. 2,384,208; Sept. 4.

Stucke, John, Philadelphia, Pa. Power plant. 2,383,996; Sept. 4.

Sturtevant Company, B. F.: See—
Hagen, Harold F., assignor.

Sukumlyn, Thomas W., Los Angeles, Calif. Producing optical wedges. 2,384,209; Sept. 4.

Sunday, James J., Detroit, Mich. Refrigeration unit. 2,384,210; Sept. 4.

Sutherland, John G., Toronto, Ontario, Canada. Battery terminal connection. 2,384,211; Sept. 4.

Svenska Aktiebolaget Bromsregulator: See—
Nilsson, Ragnar H., assignor.

Swaney, Miller W.: See—
Morrell, C. E., and Swaney.

Sweet, Reginald C., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Gravity meter. 2,383,997; Sept. 4.

Talley, Henry A. E., assignor to Medical & Industrial Equipment Limited, London, England. Apparatus for administering anaesthetics. 2,384,354; Sept. 4.

Taylor, Albert, Detroit, Mich. Combined canopy and garment protector. 2,384,212; Sept. 4.

Taylor, Clyde B.: See—
Allen, F. M., and Taylor.

Teletype Corporation: See—
Potts, Louis M., assignor.

Texas Company, The: See—
McCleary, Rush F., assignor.

Thiel, Otto, Detroit, Mich. Valve control means. 2,384,213; Sept. 4.

Thomas, Edward B., Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture and use of new amine salts. 2,384,053; Sept. 4.

Thompson Grinder Company, The: See—
Wilson, John C., assignor.

Thompson, Le Roy, Blakely, Ga., assignor to Locomotive Economizer Corporation, New York, N. Y. Smoke box structure. 2,384,407; Sept. 4.

Thomson-Gibb Electric Welding Company: See—
Cutter, George A., assignor.

Tide Water Associated Oil Company: See—
Galstaun, Lionel S., assignor.

Tietig, Chester, Covington, Ky. Method and apparatus for fluid contact. 2,383,946; Sept. 4.

Timken-Detroit Axle Company: See—
Buckendale, L. R., Brownier, and Keese, assignors.

Tinnerman Products, Inc.: See—
Judd, Charles H., assignor.

Toone, B. (Nottingham), Limited: See—
Toone, Ralph N., assignor.

Toone, Ralph N., Wollaton Park, assignor to B. Toone (Nottingham) Limited, Nottingham, England. Knitting machine. 2,384,214; Sept. 4.

Torrence, George W., and W. A. Calkins, Peoria, Ill. Card index. 2,384,355; Sept. 4.

Toulmin, Harry A., Jr., Oakwood, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Powder metallurgy. 2,384,215; Sept. 4.

Touloumis, Simon, assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Facing sleeves. 2,384,216; Sept. 4.

Trautman, Walter C., Burbank, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Landing gear. 2,384,054; Sept. 4.

Trautner, Nicholas W., St. Paul, Minn. Locking cap for fuel tanks and the like. 2,384,217; Sept. 4.

Tritt, Forest G., Sherman, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making corrugated tubing. 2,384,055; Sept. 4.

Tritt, Forest G., Sherman, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Mandrel. 2,384,056; Sept. 4.

Tucker, Warren R., Oakwood, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Hydraulic transmission. 2,384,218; Sept. 4.

Tyson, Charles W., Summit, N. J., assignor to Standard Oil Development Company. Cracking of hydrocarbon oils. 2,384,356; Sept. 4.

Underwood Corporation: See—
Dobson, William A., assignor.

Union Carbide and Carbon Corporation: See—
Aronson, Peter R., assignor.

Union Underwear Co., Inc.: See—
Goldfarb, J. A., and Moore, assignors.

Unit Rig & Equipment Company: See—
Carter, Ray E., assignor.

United Aircraft Corporation: See—
Gluhareff, Michael E., assignor.

United Biscuit Company of America: See—
Edmonson, William H., assignor.

United Gas Improvement Company, The: See—
Soday, Frank J., assignor.

United Shoe Machinery Corporation: See—
Bazzoni, Lewis J., assignor.

U. S. Electrical Motors, Inc.: See—
Huck, G. E., and Luenberger, assignors.

U. S. Industrial Chemicals, Inc.: See—
Balcar, Frederick R., assignor.

Schultze, Norman C., assignor.

Universal Oil Products Company: See—
Pines, H., and Ipatieff, assignors.

Read, Davis, Jr., assignor.

Universal Slide Fastener Co. Inc.: See—
Volty, M., and Griffiths, assignors.

Universal Wire Spring Company, The: See—
Neely, William H., assignor.

Univis Lens Company, The: See—
Smith, Charles V., assignor.

Vacuum distillation process and apparatus. E. M. Shantz. 2,383,945; Sept. 4.

Van Heek, Theodore, Fallsade, N. J. Stop motion device for pile fabric. 2,384,357; Sept. 4.

Van Norman Company: See—
Curtis, Frank W., assignor.

Vaughn, Albert E., Orange, N. J. Assembling dispensing devices. 2,384,219; Sept. 4.

Veeder-Root Incorporated: See—
Vroom, Harold B., assignor.

Vesely, Josef, London, England. Magazine for firearms. 2,383,998; Sept. 4.

Volty, Maurice, Long Island City, and G. A. Griffiths, Kew Gardens, assignors to Universal Slide Fastener Co. Inc., Long Island City, N. Y. Making sliders for slide fasteners. 2,383,999; Sept. 4.

Volty, Maurice, Long Island City, and G. A. Griffiths, Kew Gardens, assignors to Universal Slide Fastener Co. Inc., Long Island City, N. Y. Making sliders for slide fasteners. 2,384,144; Sept. 4.

Volty, Maurice, Long Island City, and G. A. Griffiths, Kew Gardens, assignors to Universal Slide Fastener Co. Inc., Long Island City, N. Y. Method, blank, and means for making sliders for slide fasteners. 2,384,145; Sept. 4.

Vroom, Harold B., assignors to Veeder-Root Incorporated, Hartford, Conn. Counter. 2,384,220; Sept. 4.

Wagner Electric Corporation: See—
Dick, Burns, assignor.

Freeman, Walter R., assignor.

Schnell, Steve, assignor.

Waldie, George A., Edison, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Valve control mechanism. 2,384,221; Sept. 4.

Walker, Hiram, & Sons Inc.: See—
Rodgers, C. H., and Neureuther, assignors.

Walker, Jay P., assignor of forty per cent to G. O. Marchant, and sixty per cent to C. G. Wells, Tulsa, Okla. Desalting petroleum well fluids. 2,384,222; Sept. 4.

Wallace, Arthur F.: See—
Pell, P. S., and Wallace.

Wallace, Joseph S., Hammond, Ind., and T. E. Sharp, assignors to Standard Oil Company, Chicago, Ill. Stabilization. 2,384,146; Sept. 4.

Warren, William B., assignor to Fisher Scientific Company, Pittsburgh, Pa. Safety tongs. 2,384,408; Sept. 4.

Warrick, Earl L.: See—
McGregor, R. R., and Warrick.

Wattendorf, Frank L., Dayton, Ohio. Axial flow fan and compressor. 2,384,000; Sept. 4.

Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Airfoil structure for aircraft. 2,384,409; Sept. 4.

Wayne Pump Company, The: See—
Jauch, R. J., and Hinds, assignors.

Wells, C. G., et al.: See—
Walker, Jay P., assignor.

Wensel, Page, H. L. Whisner, and R. H. Rugh, Clarion, Pa., assignors to Owens-Illinois Glass Company. Decorating machine. 2,383,947; Sept. 4.

Wesson, Alexander J., Spondon, near Derby, assignor to British Celanese Limited, London, England. Colouration of textile materials. 2,384,001; Sept. 4.

Western Electric Company, Inc.: See—
Howerton, David R., assignor.

Husson, Harry L., and Pollard, assignors.

Westinghouse Electric Corporation: See—
Ivy, Joe G., assignor.

Rutan, Earl E., assignor.

Weston Electrical Instrument Corporation: See—
Lamb, Francis X., assignor.

Wetherell, Luther C., Hot Springs, Ark. Removable strainer for radiator circulating systems. 2,384,057; Sept. 4.

Wetsel, Carlton: See—
Smith, E. L., and Wetsel.

Whisner, Harry L.: See—
Wensel, P., Whisner, and Rugh.

Whitmore, Henry G., Newburyport, assignor to S. C. Brody, Newton Centre, Mass. Attachment for test indicators. 2,384,058; Sept. 4.

Widell, Charles, assignor to Prismacolor, Inc., Chicago, Ill. Film transport mechanism. 2,384,358; Sept. 4.

Wiggins, John H., Chicago, Ill. Liquid sealed vent valve. 2,384,147; Sept. 4.

Wilbur, Eliza E., et al., executors: See—
Wilbur, Ralph H.

Wilbur, Harland A., et al., executors: See—
Wilbur, Ralph H.

Wilbur, Ralph H., deceased, Melrose, Mass.; E. E. and H. A. Wilbur, executors. Wrapper. 2,384,223; Sept. 4.

Williams, Edmond G., Northwich, England, assignors to Imperial Chemical Industries Limited. Extrusion of thermoplastic materials. 2,384,224; Sept. 4.

Wilson, James B.: See—
Rougemon, R. L., and Wilson.

Wilson, John C., assignor to The Thompson Grinder Company, Springfield, Ohio. Method and apparatus for maintaining uniform temperature of diverse fluids in a machine tool. 2,384,225; Sept. 4.

Wingfoot Corporation: See—
Lichty, Joy G., assignor.

Wolcott, Frank E., West Hartford, assignor to The Silen Company, Hartford, Conn. Seal for vacuum type coffee makers. 2,384,359; Sept. 4.

Wolf, Edward, Stockton, Calif. Power-operated industrial lift truck. 2,384,059; Sept. 4.

Wolford, Don S., and H. La Tour, assignors to The American Rolling Mill Company, Middletown, Ohio. Device for testing the compression characteristics of sheet metals. 2,384,411; Sept. 4.

Woods, William H., Garden City, assignor to Square D Company, Detroit, Mich. Electric switch. 2,384,412; Sept. 4.

Worthen, Eugene P., Braintree, and B. Fox, Wollaston, Mass., assignors, by mesne assignments, to Buena Vista Iron Company. Oil fired single effect evaporator. 2,384,226; Sept. 4.

Worthington Pump and Machinery Corporation: See—
Zwickl, Joseph R., assignor.

Wright Aeronautical Corporation: See—
Hill, Henry C., assignor.

Sollinger, Ferdinand P., assignor.

Wrigley, Wm., Jr., Company: See—
Crosley, R. W., and Conner, assignors.

Yaeger, Harry C., West Hartford, Conn., assignor to Underwood Corporation. Typewriting machine. 2,384,060; Sept. 4.

Yates, Tom L., assignor to Lord Manufacturing Company, Erie, Pa. Mounting for electron tubes. 2,384,410; Sept. 4.

Yeager, Thomas E., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Jig clamp. 2,384,148; Sept. 4.

Zadig, Ernest A., Norwalk, Conn. Spectacles. 2,384,149; Sept. 4.

Zwickl, Joseph R., East Orange, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Cooler or evaporator. 2,384,413; Sept. 4.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF SEPTEMBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive material, Making. F. R. Perry. 2,383,988; Sept. 4.
Acetaldehyde from ethyl alcohol by partial oxidation. Production of. F. R. Balcar. 2,384,066; Sept. 4.
Acetic acid in purified form, Recovery of. R. R. Harrison. 2,384,374; Sept. 4.
Acid derivatives, Manufacture of amino-alkylidene succinic. F. Bergel and A. Cohen. 2,384,068; Sept. 4.
Acid esters, Unsaturated carbamic. A. G. Chenicek. 2,384,074; Sept. 4.
Adhesive applying system. T. A. Federwitz and H. Grote-wold. 2,384,021; Sept. 4.
Aircraft engine. D. L. Jocelyn. 2,384,381; Sept. 4.
Aircraft or like hollow body with external reinforcement therefor. A. G. Dean. 2,383,935; Sept. 4.
Airfoil structure for aircraft. M. Watter. 2,384,400; Sept. 4.
Airplane with movable power-plant, Tailless. M. E. Gluhareff. 2,384,296; Sept. 4.
Alt tank tire inflator, Portable compressed. C. S. Jones. 2,384,174; Sept. 4.
Alcohol esters and polymers thereof, Polybasic acid-poly-hydric. I. E. Muskat and F. Strain. 2,384,115; Sept. 4.
Alcohols, Oxidizing unsaturated polycyclic. R. Oppen-aue. 2,384,335; Sept. 4.
Alloys. R. H. Leach. 2,383,976; Sept. 4.
Alloys, Magnesium base rare earth. C. de Rohden. 2,384,370; Sept. 4.
Alloys, Refining of copper base. A. J. Murphy and G. T. Callis. 2,384,256; Sept. 4.
a-Aniline-N-4-ribofuranoside and the manufacture there-of. J. Lee and L. Berger. 2,383,977; Sept. 4.
a-nitro-isobutene, Preparation of. A. E. W. Smith, C. W. Scaife, and R. H. Stanley. 2,384,050; Sept. 4.
Amine salts, Manufacture and use of new. E. B. Thomas. 2,384,053; Sept. 4.
Amplifier, Video. K. Schlesinger. 2,384,263; Sept. 4.
Amplifier, Zero phase shift selective. G. E. Oberweiser. 2,383,984; Sept. 4.
Amusement device, Activated. A. M. Hillery. 2,384,168; Sept. 4.
Amusement machine. D. R. Clark. 2,384,237; Sept. 4.
Anal retractor. J. R. Helfrick. 2,384,304; Sept. 4.
Anchorage means for railway rails. L. Q. Moore. 2,384,328; Sept. 4.
Animation for photographic purposes, Attaining realistic. J. W. Richards. 2,384,341; Sept. 4.
Apparatus for administering anesthetics. H. A. E. Talley. 2,384,354; Sept. 4.
Apparatus for applying sheet material to other materials. A. P. Bamford. 2,384,231; Sept. 4.
Apparatus for developing prints by means of gas. H. J. Brunk. 2,384,155; Sept. 4.
Apparatus for displacing air from filled container head spaces. A. L. Kronquest. 2,383,975; Sept. 4.
Apparatus for laying mats on landing fields. C. H. Payne. 2,384,395; Sept. 4.
Apparatus for making coke. C. H. McKinney. 2,384,184; Sept. 4.
Apparatus for manufacturing explosives. W. S. Pilcher. 2,383,989; Sept. 4.
Apparatus for refining glass. G. D. Campbell. 2,384,073; Sept. 4.
Apparatus for the manufacture of high molecular weight polymers. A. D. Green. 2,384,298; Sept. 4.
Aromatic amine-n-pentapyranosides and the manufacture of the same. J. Lee, U. V. Solmsen, and L. Berger. 2,384,102; Sept. 4.
Attachment for test indicators. H. G. Whitmore. 2,384,058; Sept. 4.
Attractor and destroyer, Insect. M. F. Miller. 2,384,190; Sept. 4.
Axle, Drive. L. R. Buckendale, N. R. Brownier, and E. W. Keese. 2,383,954; Sept. 4.
Bag, See—
Utility Bag.
Bag filling holder. J. F. Lotz, Jr. 2,384,100; Sept. 4.
Bait can and fish sack holder. E. H. Kruse. 2,384,101; Sept. 4.
Barge, Ship salvaging. S. Basile. 2,384,271; Sept. 4.
Barrel liner, Tumbling. G. E. Huenerfauth and F. P. Green. 2,384,170; Sept. 4.
Battery terminal connection. J. G. Sutherland. 2,384,211; Sept. 4.
Bearing assembly. C. C. Bell. 2,384,005; Sept. 4.
Bed, Hospital. C. R. Marsan. 2,384,325; Sept. 4.
Billfold. L. L. Sherwood. 2,384,190; Sept. 4.
Blade, Safety razor. S. C. Stampelman. 2,384,051; Sept. 4.

Blind rivet puller. H. W. Kugler. 2,384,037; Sept. 4.
Block, See—
Junction block.
Board, See—
Foldable cribbage board.
Body mount. F. F. Kishline. 2,384,096; Sept. 4.
Brake, See—
Industrial brake. Vehicle brake.
Brake. R. A. Goepfrich. 2,384,297; Sept. 4.
Brick, Semisilica. H. M. Kraner. 2,384,180; Sept. 4.
Briquetting press. P. E. Flowers. 2,384,163; Sept. 4.
Buckle. R. E. Schreiber. 2,384,197; Sept. 4.
Building structure, Interlocking. R. O. Sheldon. 2,384,198; Sept. 4.
Burner, See—
Gas burner.
Burring machine. G. Gerung. 2,384,164; Sept. 4.
Butadiene, Production of. A. E. Lorch. 2,384,108; Sept. 4.
Cable, See—
Mine sweeping cable.
Cable and structural shape cutter. P. S. Pell and A. F. Wallace. 2,384,130; Sept. 4.
Cage nut tool. M. Schutz. 2,384,347; Sept. 4.
Cannon, Aerial. H. F. Lee. 2,384,320; Sept. 4.
Canopy and garment protector, Combined. A. Taylor. 2,384,212; Sept. 4.
Cap feeding apparatus. R. J. Stewart and J. S. Bartley. 2,384,052; Sept. 4.
Cap for fuel tanks and the like, Locking. N. W. Trautner. 2,384,217; Sept. 4.
Card index. G. W. Torrence and W. A. Calkins. 2,384,355; Sept. 4.
Carton. J. W. Cox. 2,384,076; Sept. 4.
Cartridge loader. E. L. Smith and C. Wetzel. 2,384,140; Sept. 4.
Catalyst chamber. G. G. Oberfell. 2,384,258; Sept. 4.
Catalysts, Manufacture of. H. Pines and V. N. Ipatieff. 2,384,337; Sept. 4.
Caustic, Transportation of. D. Means. 2,384,111; Sept. 4.
Cement, Quick curing neoprene. L. S. Bake. 2,384,269; Sept. 4.
Centrifugal compressor entry vane construction. F. P. Sollinger. 2,384,265; Sept. 4.
Centrifugal pump for liquid, Motor-driven. G. C. Mere-dew. 2,384,254; Sept. 4.
Chemical process. K. K. Kearby. 2,384,311; Sept. 4.
Chuck. N. A. Harrison. 2,384,302; Sept. 4.
Circuit breaker system, Automatic reclosing. A. E. Anderson. 2,384,362; Sept. 4.
Clamp, See—
Jig clamp.
Cleaner, See—
Cotton cleaner.
Clip for hose and like. R. C. S. Jamie. 2,384,094; Sept. 4.
Clnth, See—
Friction clutch. Power operated clutch.
Clutch mechanism. W. H. Edmondson. 2,384,418; Sept. 4.
Coating compositions. J. W. Reynolds. 2,384,132; Sept. 4.
Coating compositions and preparing same. L. Balassa. 2,384,270; Sept. 4.
Coating materials, Prolamine. S. Quisling. 2,383,990; Sept. 4.
Coating method and apparatus. W. F. Grupe. 2,383,964; Sept. 4.
Colored material. E. Stanley, C. S. Argyle, and H. C. Olpin. 2,383,995; Sept. 4.
Comb. A. Caldora. 2,384,013; Sept. 4.
Comb and brush, Combination. D. Hernon. 2,383,967; Sept. 4.
Comb, Barber. W. F. Black. 2,384,152; Sept. 4.
Composition for printing flexible materials. R. H. Klenle and A. L. Pelker. 2,383,937; Sept. 4.
Composition of matter. I. E. Muskat and F. Strain. 2,384,118; Sept. 4.
Compositions containing resinous polymers of cyclopenta-diene. F. J. Soday. 2,384,141; Sept. 4.
Compressor. W. R. Freeman. 2,384,293; Sept. 4.
Condensation products and preparing and using same. E. Lieber. 2,384,107; Sept. 4.
Condensation products of pseudothiohydantoin' protein and producing same. O. Huppert. 2,384,421; Sept. 4.
Conduit, Underground. F. W. Gay. 2,384,246; Sept. 4.
Connector, See—
Electrical connector.
Contact apparatus. C. H. Rodgers and G. C. Neureuther. 2,384,424; Sept. 4.

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Container, See—
Sterilizing container.
Container for corrosive liquids and other substances. D. T. Downes. 2,384,084; Sept. 4.
Container for corrective substances. P. E. Knudsen. 2,384,099; Sept. 4.
Control mechanism. S. G. Isserstedt. 2,384,380; Sept. 4.
Control mechanism. H. E. Malone. 2,383,982; Sept. 4.
Control system, Time and condition responsive interlock-ing. J. Eaton. 2,384,372; Sept. 4.
Conveyer. E. E. Brunner. 2,383,932; Sept. 4.
Conveyer. D. Knies. 2,384,179; Sept. 4.
Conveyer, Car loading. J. R. Madeira. 2,384,385; Sept. 4.
Conveyer mechanism. R. M. Jacobson. 2,384,033; Sept. 4.
Cooler, See—
Portable magazine type
package cooler.
Cooler or evaporator. J. R. Zwickl. 2,384,413; Sept. 4.
Cooling unit, Evaporative. J. H. Dishner. 2,384,016; Sept. 4.
Copper acetylide precipitation, Prevention of. C. E. Mor-rell and M. W. Swaney. 2,384,329; Sept. 4.
Corn protein and preparing same, Modified whole. R. N. Monte and J. B. Gottfried. 2,384,388; Sept. 4.
Cotton cleaner. L. L. McDaniel and F. E. Deems. 2,384,383; Sept. 4.
Counter. H. B. Vroom. 2,384,220; Sept. 4.
Coupling, See—
Swivel pipe coupling.
Coupler device. E. M. McElhinney. 2,384,185; Sept. 4.
Crank for bicycles, Folding. F. W. Schwinn. 2,384,139; Sept. 4.
Current limiter. R. R. Goodrich. 2,384,087; Sept. 4.
Cutter, See—
Cable and structural shape Waste cutter.
cutter.
Cutting, grinding, or polishing machine for diamonds and other stones and the like. F. C. Jearum. 2,384,253; Sept. 4.
Cyanometadioxanes. F. Arundale. 2,384,268; Sept. 4.
Cylinder. E. G. Jordan. 2,384,309; Sept. 4.
Damper for open fire places, Chimney. A. S. Greth. 2,384,249; Sept. 4.
Decorating machine. P. Wensel, H. L. Whisner, and R. H. Rugh. 2,383,947; Sept. 4.
Deep well pump. D. Johnston. 2,384,173; Sept. 4.
Derivatives of cashew nut shell oil, Aliphatic-ether-alco-hol. R. F. McCleary. 2,384,323; Sept. 4.
Derivatives of hydroxylated acylated diamides and mak-ing same, Subresinous esterification. M. De Groot and B. Keiser. 2,384,080; Sept. 4.
Designing set, Garment style. M. K. Muggy and J. de Jong. 2,384,330; Sept. 4.
Desk with typewriter attachment. M. H. Raggio. 2,384,045; Sept. 4.
Device for directing and calculating apparatus. K. Pa-pello. 2,384,043; Sept. 4.
Device for testing the compression characteristics of sheet metals. D. S. Wolford and H. La Tour. 2,384,411; Sept. 4.
Die, See—
Forging die.
Die sheet metal flanging machine, Eccentric. H. V. Dett-man. 2,384,284; Sept. 4.
Dies for aluminum sheet and the like, Stamping. R. Ammann. 2,384,229; Sept. 4.
Dispensing devices, Assembling. A. E. Vaughn. 2,384,219; Sept. 4.
Drift corrector. P. F. Bechberger and P. A. Noxon. 2,384,004; Sept. 4.
Drive mechanism for vehicles, Mechanical. Z. Hollos. 2,384,092; Sept. 4.
Dust collector for grinding and other machines. C. H. Antrim. 2,384,414; Sept. 4.
Dye-stuffs, Azo. R. Fleischhauer, A. Müller, and C. T. Schultis. 2,384,419; Sept. 4.
Dye-stuffs, Symmetrical diazo. K. F. Conrad and L. F. Koberlein. 2,384,283; Sept. 4.
Electric switch. W. H. Woods. 2,384,412; Sept. 4.
Electric systems, Protection of. C. D. Hayward. 2,384,375; Sept. 4.
Electric vacuum switch. W. L. Jones, Jr. 2,383,973; Sept. 4.
Electrical connection means. F. Beal. 2,384,273; Sept. 4.
Electrical connector. J. H. Andersen. 2,384,267; Sept. 4.
Electrical control means, Automatic. A. Patin. 2,383,942; Sept. 4.
Electrical impulse counting circuits. S. B. Ingram. 2,384,379; Sept. 4.
Electrical instrument. F. X. Lamb. 2,384,316; Sept. 4.
Electrode. C. P. Boucher. 2,384,007; Sept. 4.
Electrode structure. C. H. Larson. 2,384,423; Sept. 4.
Electrolytic deposition of tungsten. C. G. Harford. 2,384,301; Sept. 4.
Electrotypes, Preparing. R. A. Miller. 2,384,113; Sept. 4.
Elevator. S. M. Mercier. 2,384,189; Sept. 4.
Engine, See—
Aircraft engine.
Internal-combustion engine.
Engine frame. A. Feroy. 2,384,291; Sept. 4.
Engine structure. A. Feroy. 2,384,292; Sept. 4.

Equilibrium grain separator. W. O. La Fave. 2,384,181; Sept. 4.
Esterification derivatives of polyacetylated amides and mak-ing same. M. De Groot and B. Keiser. 2,384,081; Sept. 4.
Esters of halonitrophenols. W. F. Hester and W. E. Craig. 2,384,306; Sept. 4.
Esters and polymers thereof, Unsaturated. I. E. Muskat and F. Strain. 2,384,116-17; Sept. 4.
Esters and polymers thereof, Unsaturated. I. E. Muskat and F. Strain. 2,384,120; Sept. 4.
Ester and polymer thereof, Unsaturated. I. E. Muskat and F. Strain. 2,384,121-2; Sept. 4.
Esters and polymers thereof, Unsaturated carbonate. I. E. Muskat and F. Strain. 2,384,123; Sept. 4.
Esters and polymers thereof, Unsaturated. I. E. Muskat and F. Strain. 2,384,124-6; Sept. 4.
Esters, Unsaturated. I. E. Muskat and F. Strain. 2,384,119; Sept. 4.
Esters, Vinyl. F. Strain and F. E. Kung. 2,384,143; Sept. 4.
Evaporator for absorption refrigerating. P. R. M. M. Köhler. 2,384,313; Sept. 4.
Evaporator, Oil fired single effect. E. P. Worthen and B. Fox. 2,384,226; Sept. 4.
Fabric, See—
Knitted fabric.
Fabrics, Identification marking of. J. Miglarese. 2,384,039; Sept. 4.
Fan and compressor, Axial flow. F. L. Wattendorf. 2,384,000; Sept. 4.
Fan cooling system. H. F. Hagen. 2,384,088; Sept. 4.
Fastener, See—
Jar fastener.
Feed control means for duplicating machines, Hand. O. E. Rosen. 2,384,196; Sept. 4.
Feeder, See—
Percentage feeder.
Fence post or the like. W. Rasso. 2,384,338; Sept. 4.
Fiber, Manufacture of staple. A. L. Jackson. 2,384,032; Sept. 4.
File, Rotary. F. H. Salts. 2,383,944; Sept. 4.
Film transport mechanism. C. Widell. 2,384,358; Sept. 4.
Fingerprinting apparatus. H. J. Doepner. 2,384,018; Sept. 4.
Fitting for hand luggage, Detachable wardrobe. P. E. Nicolas. 2,384,332; Sept. 4.
Fixture, Clamping. C. L. Ott. 2,384,391; Sept. 4.
Flow control valve. W. A. Patton. 2,384,394; Sept. 4.
Fluid contact, Method and apparatus for. C. Tietig. 2,383,946; Sept. 4.
Fluid release device. W. H. Freygang. 2,383,961; Sept. 4.
Foldable cribbage board. G. H. Miller. 2,384,040; Sept. 4.
Forging die. D. W. Sherman. 2,384,349; Sept. 4.
Formaldehyde, Production of. J. L. Hall. 2,384,028; Sept. 4.
Frame, See—
Engine frame.
Frequency changer. H. M. Hugu. 2,384,171; Sept. 4.
Friction clutch. C. B. Spase. 2,384,405; Sept. 4.
Fuel injection apparatus. A. T. Bremser. 2,384,011-12; Sept. 4.
Fuel injector control mechanism. M. E. Chandler. 2,384,282; Sept. 4.
Furfural, Stabilized. R. L. Comstock. 2,384,238; Sept. 4.
Furniture piece, Utility. R. P. Breese. 2,384,234; Sept. 4.
Furs, Treating. S. S. Gottfried. 2,383,963; Sept. 4.
Gas burner. W. D. Fuller. 2,384,022; Sept. 4.
Gas dispensing system. T. A. St. Clair. 2,384,266; Sept. 4.
Gases, Purification of. F. R. Balcar. 2,384,065; Sept. 4.
Gasketed joint. C. G. Malmberg. 2,384,386; Sept. 4.
Gear, See—
Landing gear. Reduction gear.
Generator set, Automatic stopping and starting. G. A. Scherry. 2,384,135; Sept. 4.
Geophysical prospecting apparatus. A. F. Hasbrook. 2,383,966; Sept. 4.
Golf club. J. L. Nilson. 2,384,333; Sept. 4.
Governing means. F. C. Reggio. 2,384,340; Sept. 4.
Grating, Welded. W. C. Heath. 2,384,303; Sept. 4.
Gravity meter. R. C. Sweet. 2,383,997; Sept. 4.
Guard for emery wheels and the like. A. and A. J. Flohr. 2,384,243; Sept. 4.
Guard, Pants. G. C. Moore, Sr. 2,384,255; Sept. 4.
Guide, Drill. C. L. Beard. 2,383,953; Sept. 4.
Halides, Recovery of copper. J. L. Amos. 2,384,361; Sept. 4.
Hanger. A. D. Carpenter and E. R. Shaw. 2,384,158; Sept. 4.
Headgear, Safety. F. R. Ludwell. 2,384,183; Sept. 4.
Heater for canned foods and beverages. W. A. Caldwell. 2,384,278; Sept. 4.
Heating apparatus. E. F. Rutan. 2,384,262; Sept. 4.
Heating apparatus and flux field control thereof, Induc-tion. V. W. Sherman. 2,383,992; Sept. 4.
Heat-responsive element. G. D. Bower. 2,384,153; Sept. 4.
Heat-treatment of metals. A. G. E. Robiette and P. F. Hancock. 2,384,261; Sept. 4.
Hitch, Automatic telescopic draft. H. R. Forney. 2,384,244; Sept. 4.

Hitch, Draft. H. R. Forney. 2,384,245; Sept. 4.
Hitch, Vehicle. C. R. Bingham. 2,384,363; Sept. 4.
Holder: See—
Bag filling holder. License plate holder.
Bait can and fish sack. Magnifying glass holder.
holder.
Holder and ejector, Weldrod. L. C. Bass. 2,383,951; Sept. 4.
Holder and tallstock center, Die. A. Sarossy. 2,383,991; Sept. 4.
Holder for cleaning cloth. R. L. Kincaid. 2,384,178; Sept. 4.
Hopper, Portable. J. W. Moore. 2,384,389; Sept. 4.
Hosiery. R. E. Davis. 2,384,079; Sept. 4.
Hosiery run inhibiting preparation. F. F. Lindstaedt. 2,384,382; Sept. 4.
Hydraulic governor valve. W. L. Albert, Jr. 2,384,227; Sept. 4.
Hydraulic shock absorber. G. M. Magrum and B. E. O'Connor. 2,384,186; Sept. 4.
Hydrocarbons, Alkylated aromatic. P. J. Gaylor. 2,384,295; Sept. 4.
Hydrocarbons, Converting. F. E. Frey. 2,384,294; Sept. 4.
Hydrocarbons, Treatment of. D. Read, Jr. 2,384,339; Sept. 4.
Indicator: See—
Selenium rectifier temperature indicator.
Indicating, supervising, or control system, Remote. J. R. Harrington and R. L. Merrill. 2,384,167; Sept. 4.
Industrial brake. S. Schnell. 2,384,346; Sept. 4.
Ink distributing mechanism. W. F. Huck. 2,383,970; Sept. 4.
Int. Printing. C. A. Carlton. 2,384,236; Sept. 4.
Inert for sucker rod elevators. A. H. Nelson. 2,384,331; Sept. 4.
Instrument for locating and spacing bored holes. S. R. Boyer. 2,384,071; Sept. 4.
Internal-combustion engine. C. L. Kinder. 2,384,422; Sept. 4.
Internal-combustion engine. M. J. Scanlon. 2,384,401; Sept. 4.
Internal-combustion motor. A. Lysholm. 2,383,979; Sept. 4.
Irradiation process and means. G. Spertli. 2,384,203; Sept. 4.
Jar fastener. C. H. Judd. 2,384,310; Sept. 4.
Jig. B. M. Bird. 2,384,151; Sept. 4.
Jig clamp. T. E. Yeager. 2,384,148; Sept. 4.
Joint: See—
Gasketed joint. Swing joint.
Junction block. T. W. Drury. 2,384,287; Sept. 4.
Kerf-cutting machine. E. J. Doberstein. 2,384,083; Sept. 4.
Ketone with ketones, Condensation of. B. H. Gwynn and E. F. Degering. 2,383,965; Sept. 4.
Knitting fabric. A. E. Page. 2,384,392; Sept. 4.
Knitting. A. E. Page. 2,383,986; Sept. 4.
Knitting machine, Straight bar. T. C. Bromley and A. Shortland. 2,384,154; Sept. 4.
Knitting machines. R. N. Toone. 2,384,214; Sept. 4.
Knockoff motion for drawing machines. E. M. Dunn and J. C. Baucum. 2,384,417; Sept. 4.
Label pasting device. F. Elsner. 2,384,241; Sept. 4.
Landing gear. W. C. Trautman. 2,384,054; Sept. 4.
Latch: See—
Multiple engagement latch.
Lathe dog, Grinding or turning. A. F. Prange. 2,383,943; Sept. 4.
Leg, Adjustable. E. Farnson. 2,384,020; Sept. 4.
License plate holder. C. Bean. 2,384,274; Sept. 4.
Liquid sealed vent valve. J. H. Wiggins. 2,384,147; Sept. 4.
Lock: See—
Magnetic lock.
Locking device for remote control and other force transmitting systems. J. K. Simpson. 2,384,201; Sept. 4.
Lubricant. A. L. Bayes. 2,384,002; Sept. 4.
Lubricant. L. S. Galstaun. 2,384,023; Sept. 4.
Machine for boring. G. A. De Villeg. 2,383,958; Sept. 4.
Machine for driving slopes and air courses in mines. E. Ramsay. 2,384,397; Sept. 4.
Machine for making prints. G. M. Dye. 2,384,010; Sept. 4.
Magazine for firearms. J. Vesely. 2,383,998; Sept. 4.
Magnetic lock. W. F. Stroud. 2,384,208; Sept. 4.
Magnifying glass holder. A. H. C. Bishop. 2,384,233; Sept. 4.
Mandrel. F. G. Tritt. 2,384,056; Sept. 4.
Manufacture of chocolate confections. R. W. Crosley and H. W. Conner. 2,384,077; Sept. 4.
Marking machine, Laundry. W. J. Keuper. 2,384,035; Sept. 4.
Material handling apparatus. H. L. Husson and R. B. Pollard. 2,384,307; Sept. 4.
Mattress. A. Klazkin. 2,384,097; Sept. 4.
Measuring device. H. J. Balmer. 2,384,150; Sept. 4.
Measuring device, Pressure. R. H. Cuyler and R. L. Goeth. 2,384,159; Sept. 4.
Mechanism for the interconversion of reciprocation and rotation. A. Feroy. 2,384,290; Sept. 4.

Metal article and making same, Flanged. A. J. Schubert and H. S. Adelhanof. 2,384,402; Sept. 4.
Metal parts for ring binders, Making. J. Schade. 2,384,134; Sept. 4.
Metal wire, Forming extended lengths of. G. H. Slagle. 2,384,351; Sept. 4.
Meter: See—
Gravity meter.
Meter and scale therefor. J. V. Skulley. 2,384,350; Sept. 4.
Micrometer, Inside. J. F. Rondinone. 2,384,343; Sept. 4.
Milling machine. R. L. Rougemont and J. B. Wilson. 2,384,133; Sept. 4.
Mine sweeping cable. D. Larkin. 2,384,038; Sept. 4.
Mold for frozen comestibles. B. H. Moore. 2,384,041; Sept. 4.
Moorling device. A. Ballman. 2,383,950; Sept. 4.
Motor: See—
Internal-combustion motor.
Motor starting circuits and resistance unit for use therein. H. J. Graham. 2,384,025; Sept. 4.
Mount for fixed machine guns, Rear. G. P. Ogg. 2,383,985; Sept. 4.
Mounting for electron tubes. T. L. Yates. 2,384,410; Sept. 4.
Multiple engagement latch. J. R. Burbridge. 2,384,276; Sept. 4.
Multitrussed unit. E. P. Burke. 2,384,157; Sept. 4.
Navigational apparatus. E. O. Schweitzer, Jr. 2,384,348; Sept. 4.
Net, Folding fish. T. A. Flinn. 2,384,162; Sept. 4.
Nitrates of cellulose or nitrates of other alcohols like starch. Continuous production and stabilization of. E. Berl. 2,384,415; Sept. 4.
Nitriles, Alkoxy. J. G. Lichty. 2,384,106; Sept. 4.
Nitrogen compounds, Manufacture of organic. A. E. W. Smith. 2,384,047; Sept. 4.
Nitrogen compounds, Manufacture of organic. A. E. W. Smith and C. W. Scaife. 2,384,048; Sept. 4.
Nose board for Axminster rugs. S. N. McCaslin and A. Lamb. 2,384,322; Sept. 4.
Nozzles, Making blowpipe. P. R. Aronson. 2,383,949; Sept. 4.
Oil cooling device. G. H. Gull. 2,384,248; Sept. 4.
Oil, Cracking crude hydrocarbon. P. E. Kuhl. 2,384,315; Sept. 4.
Oil well pump. W. S. Crake. 2,383,934; Sept. 4.
Oils, Cracking of hydrocarbon. C. W. Tyson. 2,384,356; Sept. 4.
Optical wedges, Producing. T. W. Sukumlyn. 2,384,209; Sept. 4.
Organic vapors, Combustion of halogenated. H. W. Crouch and H. E. Stauss. 2,384,368; Sept. 4.
Ornamental illuminating device. C. W. Otis. 2,383,941; Sept. 4.
Oven, Bake. J. R. Nalbach and A. Haupt. 2,384,390; Sept. 4.
Paintbrush. E. L. Hawkins. 2,384,029; Sept. 4.
Paper pulping apparatus. H. D. Martindale. 2,384,326; Sept. 4.
Parachute. F. M. Derry. 2,384,416; Sept. 4.
Parachute. A. R. Nallor. 2,384,127; Sept. 4.
Parachute canopy. F. G. Manson and J. J. Maskey. 2,384,187; Sept. 4.
Pentoses, Manufacture of. J. Lee, U. V. Solmsen, and L. Berger. 2,384,103; Sept. 4.
Pentoses and process for the manufacture thereof, Triacyl. J. Lee and L. Berger. 2,384,104; Sept. 4.
Percentage Feeder. F. Keeney. 2,384,176; Sept. 4.
Petroleum well fluids, Desalting. J. P. Walker. 2,384,222; Sept. 4.
Photograph pickup. G. Smith. 2,383,994; Sept. 4.
Photographic emulsions layers. M. M. Brubaker. 2,384,072; Sept. 4.
Photographic transfer paper. R. E. Holmen and R. A. McGlone. 2,384,093; Sept. 4.
Pipe-cutting machine. F. W. Nation. 2,384,128; Sept. 4.
Pilot for gas heaters, Safety. E. R. Koppel. 2,384,114; Sept. 4.
Pipe: See—
Tobacco pipe.
Piston and cylinder construction. F. W. Gay. 2,384,247; Sept. 4.
Piston, Engine. J. E. Herron. 2,384,305; Sept. 4.
Piston sealing means. B. Dick. 2,383,959; Sept. 4.
Plate, Making tin. C. E. Glock. 2,384,086; Sept. 4.
Plow. C. G. Strandlund. 2,384,406; Sept. 4.
Pneumatic pickup device. F. G. Olson. 2,384,334; Sept. 4.
Pole, Extension. C. G. Calhoun. 2,384,279; Sept. 4.
Polymeric material obtained by polymerizing a mixture of a conjugated diene and a cyclic imide of an olefin dicarboxylic acid. G. L. Dorrough. 2,384,239; Sept. 4.
Polymeric silicone and making it. R. R. McGregor and E. L. Warrick. 2,384,384; Sept. 4.
Polynitroethylene, Production of. A. E. W. Smith, C. W. Scaife, and R. H. Stanley. 2,384,049; Sept. 4.
Polyvinyl acetal composition and cement. C. W. Johnson. 2,384,034; Sept. 4.
Portable magazine type package cooler. J. R. Burdette. 2,384,156; Sept. 4.
Pouring attachment for bottles. C. E. Stow. 2,384,206; Sept. 4.

Powder metallurgy. H. A. Toulmin, Jr. 2,384,215; Sept. 4.
Powder, Scouring and polishing. J. M. Bleakney. 2,384,006; Sept. 4.
Power operated clutch. E. G. Lewis. 2,384,182; Sept. 4.
Power plant. J. Stucke. 2,383,996; Sept. 4.
Power regulation for aircraft engines. A. Stieglitz. 2,384,353; Sept. 4.
Power transmission mechanism. O. V. Malmquist. 2,384,110; Sept. 4.
Press: See—
Briquetting press.
Press structure. W. Ernst. 2,384,160-1; Sept. 4.
Pressure control valve. C. V. Smith. 2,384,202; Sept. 4.
Pressure mechanism, Fluid. G. E. Huck and F. O. Luenberger. 2,384,169; Sept. 4.
Protector: See—
Combined canopy and garment protector.
Projector. W. A. Lebus. 2,384,319; Sept. 4.
Protractor. R. R. Knudsen. 2,384,100; Sept. 4.
Puller: See—
Blind rivet puller.
Pump: See—
Deep well pump. Rotary pump.
Oil well pump.
Pump. R. J. Jauch and S. Hinds. 2,384,172; Sept. 4.
Pump control means. D. G. Griswold. 2,384,420; Sept. 4.
Pyridine derivatives and manufacture of same. O. Schnider. 2,384,136-7; Sept. 4.
Radio direction finding system. W. P. Lear. 2,384,317; Sept. 4.
Railway truck brake beam support. E. G. Busse. 2,383,955; Sept. 4.
Range apparatus. H. E. Cossin. 2,384,075; Sept. 4.
Ranging device. W. E. Klemperer. 2,384,098; Sept. 4.
Reaction products of an aldehyde and a triazole derivative. G. F. D'Alelio. 2,384,369; Sept. 4.
Recording and reproducing system, Sound. C. L. Price. 2,384,131; Sept. 4.
Rectifier and making same. M. F. Skinker. 2,383,993; Sept. 4.
Reduction gear. R. E. Cherry and N. C. Bremer. 2,383,956; Sept. 4.
Refrigeration unit. J. J. Sunday. 2,384,210; Sept. 4.
Register, Cash. M. Demeulenaere. 2,384,082; Sept. 4.
Remote control apparatus. V. Moore. 2,384,114; Sept. 4.
Remote control for varying electric welding resistance. J. M. and A. J. Puleo. 2,384,195; Sept. 4.
Resin, Forming a clear plasticized styrene-maleic anhydride. H. L. Gerhart. 2,384,085; Sept. 4.
Resinous dispersions, Preparation of. A. H. Bump. 2,383,933; Sept. 4.
Resins, Refining dammar. N. C. Schultze. 2,384,138; Sept. 4.
Resins, Terpene. A. L. Rummelsburg. 2,384,400; Sept. 4.
Resins with thiols, Milling. E. K. Bolton. 2,384,070; Sept. 4.
Reversing mechanism. J. E. Poorman. 2,384,044; Sept. 4.
Rheostat. W. F. Penrose. 2,383,987; Sept. 4.
Ribitylamino benzenes and the manufacture thereof. J. Lee, U. V. Solmsen, and L. Berger. 2,384,105; Sept. 4.
Rivet construction. M. H. Lees, Jr. 2,384,321; Sept. 4.
Riveter, Squeeze. F. A. Kaman. 2,384,175; Sept. 4.
Rod coupling. F. S. Keahey. 2,384,095; Sept. 4.
Rosin, Amine treatment of. L. Auer. 2,384,063; Sept. 4.
Rosin, Modification of. L. Auer. 2,384,061; Sept. 4.
Rosin, Modifying. L. Auer. 2,384,062; Sept. 4.
Rosin with amines, Treatment of. L. Auer. 2,384,064; Sept. 4.
Rotary pump. D. R. Dowling. 2,384,286; Sept. 4.
Rubber-like materials by polymerizing elastogenic polymerizable materials, Continuous process for making. W. S. Calcott and H. W. Starkweather. 2,384,277; Sept. 4.
Salts, Recovering magnesium. H. R. Brandenburg. 2,384,009; Sept. 4.
Sand trap. L. H. Stoye. 2,384,207; Sept. 4.
Sash, Ventilating window. E. J. Dumaw. 2,384,240; Sept. 4.
Saw, Band. W. B. and J. E. Boice. 2,384,364; Sept. 4.
Scale, Automatic. H. G. Allen. 2,384,228; Sept. 4.
Scissors, Power. J. T. Stone. 2,384,205; Sept. 4.
Scraper tail-gate mount and control. R. G. Le Tourneau. 2,383,978; Sept. 4.
Screen: See—
Combination sliding and rolling light screen.
Screen, Combination sliding and rolling light. F. W. Holstein. 2,384,377; Sept. 4.
Screw and nut, Self-locking. H. J. Kent. 2,384,177; Sept. 4.
Screw, Slotted. E. Schlieter. 2,384,264; Sept. 4.
Seal, Double port rotary. R. E. Carter. 2,384,281; Sept. 4.
Seal for vacuum type coffee makers. F. E. Wolcott. 2,384,359; Sept. 4.
Seam for metal containers, End. F. J. O'Brien. 2,384,042; Sept. 4.
Selenium rectifier temperature indicator. G. H. Shoemaker. 2,384,200; Sept. 4.

Separator: See—
Equilibrium grain separator.
Shear pin mechanism. S. M. Mercier. 2,384,188; Sept. 4.
Sheet feeding mechanism. F. W. Seybold. 2,384,046; Sept. 4.
Shock absorber, Friction. S. B. Haseltine and G. E. Dath. 2,384,091; Sept. 4.
Shorts. J. A. Goldfarb and E. J. Moore. 2,384,165; Sept. 4.
Shovel and conveyer, Power. G. O. Fitch. 2,384,242; Sept. 4.
Sight for gliding torpedoes, Computing. M. F. Bates. 2,383,952; Sept. 4.
Signal system. C. Smith. 2,384,352; Sept. 4.
Signaling system. K. W. Pfeiffer. 2,384,336; Sept. 4.
Silicates into basic products, Converting hydrous magnesium. H. R. Brandenburg. 2,384,008; Sept. 4.
Sleeves, Facing. S. Touloumis. 2,384,216; Sept. 4.
Sliders for slide fasteners, Making. M. Volty and G. A. Griffiths. 2,383,999; Sept. 4.
Sliders for slide fasteners, Making. M. Volty and G. A. Griffiths. 2,384,144; Sept. 4.
Sliders for slide fasteners, Method, blank, and means for making. M. Volty and G. A. Griffiths. 2,384,145; Sept. 4.
Smoke box structure. Le R. Thompson. 2,384,407; Sept. 4.
Socket, Ejector. S. Mendelsohn. 2,384,327; Sept. 4.
Sole, Method and machine for attaching. L. J. Barzoni. 2,384,003; Sept. 4.
Sound reproducing and amplifying device. C. F. Dilks. 2,384,371; Sept. 4.
Spectacles. E. A. Zadig. 2,384,149; Sept. 4.
Spring and spring constructions for cushioned seats. W. H. Neely. 2,384,191; Sept. 4.
Spring arrangement for time fuses. G. Honger. 2,384,252; Sept. 4.
Stabilization. J. S. Wallace and T. E. Sharp. 2,384,146; Sept. 4.
Stabilizer for automatic volume control circuit. J. O. Parr, Jr. 2,384,393; Sept. 4.
Steel, Permanent magnet. D. R. Howerton. 2,383,969; Sept. 4.
Stepladder, Extension. J. H. Glower. 2,383,962; Sept. 4.
Sterilizing container. C. B. Raven. 2,384,398; Sept. 4.
Stop motion device for pile fabric looms. T. Van Heek. 2,384,357; Sept. 4.
Stopping means for looms. C. D. Brown. 2,383,931; Sept. 4.
Stove, Portable. W. E. Baxter. 2,384,272; Sept. 4.
Strainer for radiator circulating systems, Removable. L. C. Wetherell. 2,384,057; Sept. 4.
Strap for cargo lashing equipment. G. C. Soule and W. Cote. 2,384,404; Sept. 4.
Stretcher. D. J. Gunnell. 2,384,299; Sept. 4.
Stud. R. E. Somers. 2,384,403; Sept. 4.
Sulphate, Producing magnesium. H. R. Brandenburg. 2,384,010; Sept. 4.
Sulphur dioxide and diolefines from sulphones, Recovery of. G. M. Hebbard. 2,384,376; Sept. 4.
Sulphur dioxide and low-boiling hydrocarbons from mixtures thereof, Separation of. G. W. Hooker and F. A. Landee. 2,384,378; Sept. 4.
Supercharger, Liquid cooled. H. C. Hill. 2,384,251; Sept. 4.
Support: See—
Railway truck brake beam support.
Support for brake rigging. C. L. Orr and H. W. Stertzbach. 2,384,129; Sept. 4.
Swing joint. J. A. Jensen. 2,384,308; Sept. 4.
Switch: See—
Electric switch. Electric vacuum switch.
Swivel pipe coupling. F. M. Allen and C. B. Taylor. 2,384,360; Sept. 4.
Tank construction. E. J. Ballintine. 2,384,067; Sept. 4.
Tanks, Making hot-water. W. G. Martin. 2,384,324; Sept. 4.
Tape distribution system. L. M. Potts. 2,384,194; Sept. 4.
Television apparatus. A. N. Goldsmith. 2,384,260; Sept. 4.
Television view finder. G. L. Beers. 2,384,232; Sept. 4.
Temperature of diverse fluids in a machine tool, Method and apparatus for maintaining uniform. J. C. Wilson. 2,384,225; Sept. 4.
Tetraiodophenolphthalein, Making. L. E. Sargent. 2,384,425; Sept. 4.
Textile materials. Colouration of. A. J. Wesson. 2,384,001; Sept. 4.
Thermocouple tube. G. N. Goller. 2,384,024; Sept. 4.
Thermoplastic materials, Extrusion of. E. G. Williams. 2,384,224; Sept. 4.
Thermosetting plastic material. Le G. Daly. 2,384,015; Sept. 4.
Thimble, Extraction. M. R. Arnold. 2,384,230; Sept. 4.
Time mechanism. J. L. Harris. 2,384,373; Sept. 4.
Tobacco pipe. M. G. Hilpert. 2,383,968; Sept. 4.
Tongs, Ingot. F. Peyer. 2,384,396; Sept. 4.
Tongs, Safety. W. B. Warren. 2,384,408; Sept. 4.

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Tool: See—

Cage nut tool. Well tool.
Tool and making the same. L. J. St. Clair. 2,384,204;
Sept. 4.

Torpedo director. W. B. Klemperer and S. J. Goldberg.
2,384,036; Sept. 4.

Toy airplane. B. H. Platt. 2,384,193; Sept. 4.

Toy bombing game. H. M. Hanna. 2,384,166; Sept. 4.

Toy, Educational. P. S. Cardoza. 2,384,280; Sept. 4.

Toy gun. R. W. Marshall. 2,383,939; Sept. 4.

Track for toy vehicles. W. Minner. 2,383,940; Sept. 4.

Transmission. V. Kinser. 2,383,974; Sept. 4.

Transmission, Hydraulic. W. R. Tucker. 2,384,218;
Sept. 4.

Transmission, Hydraulic variable speed power. A. Ly-
sholm. 2,383,981; Sept. 4.

Transmission, Variable speed power. A. Lysholm.
2,383,980; Sept. 4.

Trap: See—

Sand trap.

Treatment of timber or similar material, Process and de-
vice for fuel-cell. B. O. Hager and S. B. Kjellstrom.
2,384,027; Sept. 4.

Trip device for scale mechanism. E. W. Schellentrager.
2,384,345; Sept. 4.

Trough and mandrel bar arrangement for tube-piercing
mills, Outlet. G. J. Kirchner. 2,384,312; Sept. 4.

Trough, Shake conveyor. R. S. Bigelow. 2,384,069;
Sept. 4.

Truck driving mechanism. M. G. Clay. 2,384,366; Sept. 4.

Truck, Power-operated industrial lift. E. Wolf.
2,384,059; Sept. 4.

Truck, Rebrass. J. W. Burnett. 2,384,235; Sept. 4.

Tube: See—

Thermocouple tube.

Tubs and supports therefor, Twin portable. H. E.
Meyer. 2,384,112; Sept. 4.

Tubing, Making corrugated. F. G. Tritt. 2,384,055;
Sept. 4.

Turbine, Gas. J. S. Alford. 2,383,948; Sept. 4.

2,4-dinitro-6-cyclohexyl-phenol, Manufacture of. J. W.
Britton and R. C. Dosser. 2,384,365; Sept. 4.

Typewriting machine. W. A. Dobson. 2,384,017; Sept. 4.

Typewriting machine. W. F. Helmond. 2,384,030; Sept. 4.

Typewriting machine. H. C. Yaeger. 2,384,060; Sept. 4.

Urea-formaldehyde composition. D. E. Cordier. 2,384,367;
Sept. 4.

Urea-formaldehyde resin foam, Treatment of. L. S. Meyer.
2,384,387; Sept. 4.

Utility bag. H. Deutsch. 2,384,285; Sept. 4.

Vacuum distillation process and apparatus. E. M. Shantz.
2,383,945; Sept. 4.

Vacuum testing apparatus. J. Hohl. 2,383,936; Sept. 4.

Valve: See—

Flow control valve. Liquid sealed vent valve.

Hydraulic governor valve. Pressure control valve.

Valve. H. N. Rider. 2,384,342; Sept. 4.

Valve and the like, Selector, control. C. Le Bleu.
2,384,318; Sept. 4.

Valve assembly. J. F. Melichar. 2,383,983; Sept. 4.

Valve control means. O. Thiel. 2,384,213; Sept. 4.

Valve control mechanism. G. A. Waldie. 2,384,221;
Sept. 4.

Valve for machine tool control, Throttle. F. W. Curtis.
2,384,078; Sept. 4.

Vanadium and nickel from petroleum, Recovery of. M.
C. K. Jones. 2,383,972; Sept. 4.

Vapor treatment device. H. Spangler. 2,384,142; Sept. 4.

Vaporizing device. C. F. J. Dupuy. 2,383,960; Sept. 4.

Variable voltage control. J. G. Ivy. 2,383,971; Sept. 4.

Vehicle brake. R. H. Nilsson. 2,384,257; Sept. 4.

Vending machine. E. W. Handley. 2,384,089; Sept. 4.

Viewing device. E. J. Quinby. 2,384,259; Sept. 4.

Waste cutter. M. L. Hudson. 2,384,031; Sept. 4.

Weapon. B. J. Cosneck and B. J. Kessler. 2,383,957;
Sept. 4.

Weaving, transporting and finishing cloth. A. Eddy.
2,384,288; Sept. 4.

Weighting device. J. Häfeli. 2,384,250; Sept. 4.

Welding apparatus. G. A. Cutter. 2,384,014; Sept. 4.

Well packer and apparatus for producing wells. H. C.
Otis and J. C. Lucous. 2,384,192; Sept. 4.

Well tool. L. Hartsell. 2,384,090; Sept. 4.

Wheels, Form crushing of abrasive. G. F. Eglinton.
2,384,289; Sept. 4.

Wire drawing machine. B. N. Bletso. 2,384,275; Sept. 4.

Wood gutter, Sectional. N. T. MacKenzie. 2,383,938;
Sept. 4.

Wood preservative. B. O. Häger. 2,384,026; Sept. 4.

Wool-combing machine. H. Sarkisian. 2,384,344;
Sept. 4.

Wrapper. R. H. Wilbur. 2,384,223; Sept. 4.

Wrench. H. C. Reynolds. 2,384,399; Sept. 4.

Zinc, Electrolytic deposition of. C. G. Harford.
2,384,300; Sept. 4.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 4, 1945

In view of the fact that the issue is being checked weekly by the Classification Divi-
sion, the class and subclass in this list are correct as of this date. Where there is a
discrepancy between the classification given in the patent head and the classification in
this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

2—	3: 2,384,183	51—	203: 2,383,968	101—	352: 2,383,970	172—	281: 2,384,171	215—	90: 2,384,310	260—	107: 2,384,138
17:	2,384,285	57—	148: 2,384,038	102—	2: 2,384,320		282: 2,383,942	218—	19: 2,384,037		112: 2,384,389
121:	2,384,216	60—	13: 2,383,979		84: 2,384,252	173—	250: 2,384,211	219—	8: 2,383,951		123: 2,384,421
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5—	82: 2,384,209	61—	3: 2,384,207		40: 2,384,420		328: 2,384,267	220—	46: 2,384,386		176: 2,384,419
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46—	76: 2,384,193	94—	39: 2,384,395	160—	1: 2,384,373		6: 2,384,066		2,384,120	67:	2,384,389
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299:	2,384,243							92: 2,384,362			

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1945

Patents Nos. 2,384,426 to 2,384,784

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Total	543

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective parties were not the first inventors with respect to the claims listed:

Pat. 2,259,527, Keith R. Manville, Synchronizing mechanism, decided Aug. 22, 1945, claim 3.

Pat. 2,356,942, B. L. Mills, Dual wheel mounting, decided Aug. 18, 1945, claims 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10.

Adjudicated Patent

(C. C. A. N. Y.) Scilken patent, No. 2,248,467, for a refrigerated display fixture for food, claims 1, 2, 7, 9, 10, 13, 16, and 19 Held invalid. *Scilken v. Leonard's Catering*, 149 F.(2d) 682; 65 USPQ 441.

Classification Bulletin No. 96

Classification Bulletin No. 96 is now available and may be purchased from the Commissioner of Patents for 10 cents.

Notices of Cancellation

U. S. PATENT OFFICE, Richmond, Va., Aug. 11, 1945.

Charles G. Romano, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Roma Wine Company, Lodi, Calif., to effect the cancellation of trade-mark registration of Charles G. Romano, 49 W. Third St., New York, N. Y., No. 328,622, dated October 1, 1935, and the notice of such proceeding sent by registered mail to the said Romano at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Romano, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, Richmond, Va., Aug. 22, 1945.

CeCo Manufacturing Company, Inc., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Argus, Incorporated, 405 Fourth St., Ann Arbor, Mich., to effect the cancellation of trade-mark registration of CeCo Manufacturing Company, Inc., 1200 Eddy St., Providence, R. I., No. 286,146, issued August 18, 1931, and the notice of such proceeding sent by registered mail to the said CeCo Manufacturing Company, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said CeCo Manufacturing Company, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Registrations under 1920 Act Not Renewable

The law makes no provision for the renewal of trade-mark registrations issued under the act of March 19, 1920. Unless canceled, registrations under this act continue in force indefinitely.

Trade-Mark Drawings

Substitute drawings will not be accepted in trade-mark applications unless required by the Chief Draftsman or by the Examiner of Trade-Marks. Necessary changes in the original drawing will be made by the Office, upon applicant's request and at his expense, if the condition of the sheet permits.

Condition of Applications Under Examination at Close of Business August 25, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 67,963; Trade-Mark Division, 2,925. Oldest new case, September 1, 1944; oldest amended, September 7, 1944.) (The dates given are 1944 except where † indicates 1945.)

DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS

	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spitoons; Sewerage.	Nov. 15	Nov. 30	1064
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Oct. 3	Sept. 27	1266
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part).	Nov. 20	Nov. 10	1286
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Nov. 30	Nov. 22	1010
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Sept. 12	Sept. 7	1748
6. GENIESSE, E. W., Carbon Chemistry (part).	Dec. 11	Dec. 30	1193
7. JARBOE, C. G., Optics, Photography.	†Mar. 7	†Mar. 16	992
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets.	†Feb. 27	†Feb. 6	1049
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors.	Oct. 19	Oct. 21	1173
10. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Apr. 4	†Apr. 13	346
11. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control.	Oct. 3	Oct. 10	1372
12. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	Nov. 4	Nov. 7	1008
13. HANLIN, GEORGE, Metal Working (Bending); Sheet-Metal; Wire; Misc. Processes; Wire Fabrics; Farriery.	†Mar. 3	†Feb. 9	806
14. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	†Feb. 13	†Jan. 20	878
15. SPENCER, C. J., Telegraphy; Telephony.	†Feb. 7	†Feb. 7	821
16. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Oct. 24	Oct. 11	656
17. KUIZ, J. A., Motors, Expandable-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Dec. 13	Oct. 21	1149
18. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Nov. 9	Nov. 23	719
19. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	†Jan. 31	†Feb. 7	754
20. THOMPSON, T. J., Textiles.	†Mar. 15	†Feb. 14	492
21. CARPENTER, B. H., Aeronautics; Firearms; Ordnance.	†Jan. 5	†Jan. 5	1353
22. LEWIS, J. B., Cash Registers; Calculators (part).	†Jan. 11	†Dec. 7	153
23. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines.	†Feb. 20	†Feb. 20	830
24. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Dec. 9	Dec. 15	989
25. YOUNG, R. R., Electricity—Generation and Motive Power.	Nov. 1	Oct. 28	1191
26. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Oct. 30	Oct. 30	1097
27. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	Oct. 5	Oct. 3	991
28. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	Nov. 20	Nov. 17	1161
29. MCCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Dec. 29	Dec. 23	1244
30. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils.	†Apr. 6	†Mar. 30	807
31. LESH, KARL E., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	†Feb. 9	†Feb. 26	922
32. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	†Jan. 12	†Jan. 15	1147
33. SAFFERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Dec. 8	Dec. 15	643
34. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Nov. 11	Nov. 7	996
35. MCFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring.	Dec. 14	Dec. 13	753
36. WEAVER, M. E., Electricity, Circuit Makers and Breakers.	Sept. 21	Sept. 18	1139
37. KRAFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation.	Dec. 1	Dec. 1	830
38. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution.	Nov. 18	Nov. 15	1228
39. DRUMMOND, E. J., Receptacles (part); Packages.	Dec. 14	Dec. 22	1443
40. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Dec. 4	Dec. 9	533
41. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters.	†Jan. 27	†Jan. 29	654
42. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Dec. 8	Nov. 28	821
43. HARVEY, L. P., Refrigeration; Preserving.	Sept. 11	Sept. 16	688
44. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Nov. 28	Nov. 29	1301
45. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Nov. 16	Nov. 23	757
46. KANOF, W. M., J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part).	†Feb. 16	†Feb. 2	1154
47. ROEKE, O. B., Electricity, General Applications; Electric Igniters.	Dec. 1	Nov. 30	1249
48. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	†Feb. 15	†Feb. 6	703
49. LEVIN, SAMUEL, Synthetic Resins.	†Jan. 25	†Jan. 25	1473
50. CROCKER, A. W., Radiant Energy; Modulators.	Dec. 9	Nov. 29	1860
51. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Oct. 16	Nov. 17	1577
52. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manfolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Outlery; Closures, Partitions and Panels, Flexible and Portable.	Sept. 1	Sept. 29	1282
53. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Sept. 20	Sept. 13	1340
54. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part).	†Jan. 9	†Jan. 3	908
55. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making.	Oct. 21	Oct. 31	1020
56. NICHOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Jewelry; Nut and Bolt Locks, Nail, Screw, Chain, and Horsehoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Nov. 6	Oct. 28	1115
57. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	†Feb. 23	†Feb. 26	734
58. SHEPARD, P. W., Chemistry; Gas, Heating and Illuminating; Heterocyclic Compounds (part).	Oct. 11	Oct. 6	1418
59. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Nov. 17	Nov. 17	1135
60. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Sept. 23	Dec. 18	1090
61. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors.	Oct. 11	Oct. 11	1899
62. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Dec. 5	Nov. 25	1486
63. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel.	†Apr. 16	†Apr. 19	737
64. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Oct. 11	Oct. 11	1334
TRADE-MARKS: RICHMOND, F. A.	†May 5	†June 15	2925
DESIGNS: KALUPY, H. H.	†May 25	†June 26	1016

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE TRIER ET AL.

No. 4,965. Decided March 6, 1945; on petition for reconsideration, April 9, 1945
[149 F.(2d) 176; 65 USPQ 327]

1. PATENTABILITY—BOTTLE WASHING MACHINE.

In connection with claims 1, 2, 4 to 9, 11, 12, and 13 of appellants' application for a patent on a bottle washing machine, Held that these claims were properly rejected as unpatentable over a patent to Ladewig et al.; that there was no invention in substituting the pivoted lever ejector of appellants for the plunger ejector of Ladewig et al.; and that the clearly functional limitations upon which appellants relied for differentiation did not render the claims allowable over that reference.

2. APPLICATION—NEW MATTER.

In regard to an amendment made by appellants to their application in an effort to provide a disclosure of "plungers" to enable them to support that feature of a patent claim copied by them for interference purposes, Held that the amendment injected new matter into the application and that the requirement that it "should be cancelled" was correct.

APPEAL from the Patent Office. Affirmed.

Mr. Norman D. H. Deletzke for Trier et al.

Mr. W. W. Cochran for the Commissioner of Patents.

GARRETT, P. J.:

This appeal brings before us for review decisions of the Board of Appeals of the United States Patent Office, affirming decisions of the Examiner rejecting twelve claims (apparently all the claims) of appellants' application for patent relating to a bottle washer discharge apparatus. The claims are numbered 1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13.

Claims 1, 10, and 12 read as follows:

1. In a bottle washing machine, the combination with a bottle conveyor provided with a bottle receiving support, of a bottle receiver adjacent said conveyor and at an angle to the direction of advance thereof, and an ejector having a portion engageable with only one side of the mouth of a bottle in a bottle support in the conveyor to thereby eject said bottle from said support while simultaneously tilting said bottle toward the position of said receiver, said simultaneous tilting being caused at least in part by the contact of said ejector with said bottle on one side of the mouth of said bottle.

10. In a bottle washing machine including an intermittently movable conveyor provided with hollow sockets for the reception of inverted bottles, a bottle delivering mechanism comprising a delivery conveyor, a plurality of plungers having their ends cut away at one side for projecting bottles from said sockets and causing the same to tilt in one direction, and a transfer mechanism for receiving the ejected bottles and depositing the same right side up upon said delivery conveyor.

12. In a bottle washing machine including an intermittently movable conveyor provided with bottle carrying flights having hollow sockets for the reception of inverted bottles, a bottle delivering mechanism extending transversely across the conveyor, means for ejecting bottles from the sockets, means for receiving the ejected bottles and for depositing the same upon the delivering mechanism, and means arranged in front of the receiving means projecting toward and engaging parts of the bottle carrying flights for holding said parts relative to the ejecting mechanism and the transfer mechanism as the flights come to rest in front of the transfer mechanism.

Claim 10 appears to have been copied from a patent which had been granted to one John R. Dostal, and claims 11 and 12 were based on claims 3 and 4 of another Dostal patent. Appellants in presenting them sought an interference with Dostal. They

were segregated from the other claims during the prosecution of the application and given independent consideration. The Examiner rejected them in a decision rendered April 24, 1941, and his action was affirmed by the Board in a decision rendered October 31, 1941. So, no interference was declared. It is unnecessary to discuss the grounds of such rejection at this point, further than to say that references were cited as follows: Herold et al., 2,022,201, November 26, 1935; Ladewig et al., 2,124,423, July 19, 1938.

The Herold patent apparently was cited against claim 12 only.

The claims, although so rejected, were retained in the case pending final disposition in the Patent Office of the other claims, and are embraced in the appeal to us.

In the decisions of the respective tribunals of the Patent Office (that of the Board being rendered June 19, 1943) upon the other claims (1, 2, 4 to 9, inclusive, and 13) the only reference cited is the Ladewig et al. patent, supra.

The grounds of rejection are well summarized in the brief of the Solicitor for the Patent Office as follows:

Claims 1, 2, 4, 5, 6, 7, 8, 9, 11, 12 and 13 were rejected as unpatentable over the patent to Ladewig et al., No. 2,124,423, July 19, 1938.

Claims 10, 11 and 12 were rejected on the ground that appellants' application will not support them. Claim 12 was also rejected as unpatentable over the patent to Herold et al., No. 2,022,201, November 26, 1935.

The brief on behalf of appellants states:

The following questions are involved in this appeal:

- (1) Does the appellants' disclosure support appellants' claims?
- (2) Are the appellants' claims anticipated by the disclosure of the prior art references of record?
- (3) Are the appellants' claims distinguishable from the prior art only by functional statements?
- (4) Are the appellants' claims too broad?
- (5) Should the appellants delete from their specifications certain matter added to the specifications by amendments?

These questions are covered by appropriate reasons of appeal, and each is argued at great length.

While the specification and drawings of the application disclose a somewhat complicated apparatus, the critical subject matter involves relates to the means by which the bottles (milk bottles are shown in the drawings) are unloaded at the end of the cleansing operation which takes place in other parts of the apparatus. In claim 1, supra, this means is described in the clause reading:

... an ejector having a portion engageable with only one side of the mouth of a bottle in a bottle support in the conveyor to thereby eject said bottle from said support while simultaneously tilting said bottle toward the position of said receiver, said simultaneous tilting being caused at least in part by the contact of said ejector with said bottle on one side of the mouth of said bottle.

The idea so expressed is embraced in most of the other claims, the phraseology varying but having the same meaning.

The ejector element is described in the specification as a discharging plunger—"plunger" is herein-after discussed), or lever having a bottle contacting

or ejecting terminal portion. The lever is pivoted to and carried on a shaft. We quote the following (omitting numerals) from the decision of the Board:

The disclosure relates to mechanism for discharging bottles from bottle-washing machines. The bottles are mounted in a conveyor which carries them through the washing machine as is shown in Figs. 1 and 2. It is disclosed that by applicants' arrangement the bottles ejected from the washer conveyor at the discharging station will, upon tilting over, fall into separate stalls or partitions on the transfer table. The angle of the ejector or terminal portion of the ejector with respect to the mouth of the bottle to be ejected is such that only the lower margins of the beads of the bottles will be engaged by the terminal portion, that is, the terminal portion of the ejector arm does not flatly engage the end of the bead of the bottle and does not engage the bead at oppositely disposed points thereof as is said to be the conventional practice. It is disclosed that such one-sided engagement of the terminal portion of the ejector arm results in a movement of the bottle which tends to tilt the bottle toward a prone position, to which position the bottle will fall by gravity onto [a] table upon being completely ejected from the bottle pocket.

An inspection of the drawings of the Ladewig et al. patent reveals a bottle washing machine strikingly similar to that disclosed by the drawings of appellants, both in general arrangement and in many details. In the particular detail of unloading or discharging means—the ejector—Ladewig discloses a reciprocating plunger having a beveled end instead of a pivoted lever. In operation, as pointed out in the brief of the Solicitor for the Patent Office, "The beveled end of this plunger engages the lower portion of the bead on the bottle mouth in the final ejecting movement and the bottle falls by gravity onto the tiltable table 43. After the bottles are deposited on the table it is tilted to upright position and the bottles are placed on the conveyor 45."

The record does not disclose the arguments made on behalf of appellants before the tribunals of the Patent Office (there is no reason why it should do so), but it is fairly inferable from the decision of the Board that the several material questions were fully argued before it, and we take the liberty of quoting literally rather than paraphrasing that portion of the Board's decision which we deem most material relating to claims 1, 2, 4 to 9, inclusive, and 13:

Taking claim 1, the Examiner points out that it recites a structure fully anticipated by this reference and that it seems that the reliance for patentability rests on the clause explaining that the cause of the tilting which accompanies ejection is due at least in part to the ejector contact at one side of the bottle mouth. The Examiner states that it is not seen how this language escapes the reference where the combined ejection and tilting function is due to action of the ejector which engages only one side of the bottle mouth as the ejection begins and is aided by gravity.

Appellants argue that claim 1 sets forth the improved result of applicants' invention and that it is achieved by the use of an ejector having the end portion thereof so constructed as to engage only one side of the mouth of the bottle. It is argued that, as in claim 1, all of the remaining claims similarly define the novel elements of applicant's invention. It is argued that there is not a single word in the Ladewig et al. specification which indicates that these patentees secured or intended to secure a simultaneous tilting of the bottle while it was being ejected from the pocket onto the transfer table. It is argued further that if any result were secured by the inclined face of the ejector 39, as shown in this patent, it would be to prevent the tilting of the bottle until it had been ejected sufficiently far so as to assure passage of the large end of the bottle over the projection 60.

It is apparent from the showing in the drawing of Fig. 3 of the patent that the end of the plunger 39 is spaced farther from the pocket in which the bottle is supposed to be carried at the bottom than at the top and apparently it would strike the upper edge or bead of the

bottle in moving toward it. Of course, there is nothing particularly disclosed about the force of the blow in striking the bottle and there does not seem to be any such distinction in applicant's case. It is not apparent in applicants' disclosure that the ejector strikes the bottle before the conveyor starts on the downwardly inclined run and it is clear that it is on the downwardly inclined run when it is struck by the ejector in the reference so that any movement of the bottle on being struck in either case would apparently tend to release it for falling forward by reason of gravity. The distinction attempted to be set out here by functional limitations not supported by specific structure is considered not to be such as to render these claims allowable over the reference. The claims do not set out any specific structure of the ejecting mechanism that distinguishes over the structure of the ejecting mechanism of the reference and it is not apparent that the differences are such that it would render the claims patentable if the structure were so limited.

We have carefully considered the extensive arguments embraced in appellants' forty-three page brief, together with those made at the oral presentation before us, in the effort to show error in the above holding, but we are not convinced that there was error. To follow the arguments in detail and answer them in writing, one by one, could serve no useful public purpose.

[1] We do not think there was any invention in substituting the pivoted lever ejector of appellants for the described ejector of Ladewig et al., and we agree with the Board that the clearly functional limitations upon which appellants rely for differentiation do not render the claims allowable over the reference.

The foregoing applies to claims 11 and 12, as well as to claims 1, 2, 4 to 9, inclusive, and 13.

So, the above answers questions 2 and 3, and renders unnecessary the consideration of questions 4 and 5 (except as to claim 10) quoted above from appellants' brief as being involved in the appeal.

Question 1—"Does the appellants' disclosure support appellants' claims?"—applies only to claims 10, 11, and 12, which were rejected, as has been recited, in decisions rendered prior to and independently of the decision as to the other claims. As has been indicated, claims 11 and 12 were rejected in that prior decision on Ladewig et al., and also because of insufficient disclosure, claim 12 being additionally rejected on Herold et al.

In view of our conclusion that claims 11 and 12 were properly rejected on Ladewig et al. it is unnecessary to pass upon the other grounds, since, even if the decision were reversed as to those grounds, the claims could not be allowed, but our failure to discuss and pass upon them should not be taken as any indication that we regard the rejection on the other grounds erroneous.

[2] With respect to the remaining claim 10, supra, the only claim which stands rejected upon the sole ground of lack of disclosure, we deem it proper to recite the following:

Claim 10 was copied verbatim from Dostal Patent No. 2,191,227, issued February 20, 1940. (The patent itself does not appear in the record but is referred to in the decisions, and a copy is embraced in appellants' brief.) Appellants' application was filed April 25, 1940 (as a division of a copending application filed May 6, 1937), and as we understand it, it did not then contain the word "plunger" in connection with its ejector which was defined as a

lever. It does not appear from the record just when appellants copied the Dostal claim, but it does appear that on March 27, 1941, they sought to amend their specification by inserting the word "plunger" at two places therein where it would appear in connection with "lever." Apparently the amendment was permitted, but in the Examiner's decision of February 20, 1942, relating primarily to claims 1, 2, 4 to 9, inclusive, and 13, but referring also to claims 10, 11, and 12, he stated that "the references to a 'plunger' should be cancelled." In appellants' appeal to the Board it was alleged:

6. The Examiner erred in requiring applicants to delete from the specification of the application involved in this appeal the reference to a "plunger," made on page 5, lines 11 and 17 and page 6, line 27. [The line and page references are to the application as it stood in the Patent Office.]

The Board made no reference to this matter in its decision, but appellants, evidently assuming that the requirement for deletion was covered by the Board's general affirmance, alleged in its reasons of appeal to us that the Board erred:

9. In affirming the Examiner's requirement for deletion from the specification, page 5, lines 11 and 17, and page 6, line 27, of the references to the word "plunger".

Obviously the foregoing proceedings constitute the basis of appellants' question 5 quoted, supra.

We find no direct argument in appellants' brief in support of the ninth reason of appeal above quoted, and it is not mentioned in the brief of the Solicitor for the Patent Office. It was the subject of some discussion during the oral argument before us, however, and it is asserted in the brief of the Solicitor that, "Never before the issuance of the Dostal patent did appellants call their member 28 anything but a lever."

No copy of appellants' patent, reissue of which is sought, is included in the record before us. It is assumed that the specification of the reissue application, as originally filed, was a verbatim copy of the specification of the patent as issued, and it is clear from the record that the word "plunger" did not appear therein, but that it was inserted for the first time by the amendment of March 27, 1941, which the Examiner of Interferences held should be cancelled. It seems obvious that the amendment was proposed in the effort to provide a disclosure of "plungers" to enable appellants to support that feature as it appears in claims 10 and 11, inserted for the purpose of securing an interference with Dostal.

Appellants do argue at some length that undue importance has been attached to the plunger element. Their brief states, *inter alia*:

* * * In the rejection of some of the appellants' claims, i. e., claims 10 and 11 on the alleged basis that they were not supported by the disclosure, the Examiner and the Board of Appeals have improperly attached undue importance to the name of an element, i. e., plungers, which element entered into the claimed combination and which element, in itself, would not render the claim patentable or unpatentable in view of the fact that such elements, i. e., plungers, have been in use in bottle washers as bottle ejectors for many years, as clearly established by the prior art.

A number of authorities are then cited as supporting the contention—

* * * That * * * undue importance should not be attached to the name of an element in determining patentability. * * *

We do not regard the authorities so cited applicable here.

Appellants' claim 10 (and the same may be said of claim 11) was put forward for interference purposes. There is no question of its patentability here involved, it being a patent claim. It was evidently considered by the tribunals of the Patent Office in the light of its purpose, and hence measured by the showing of the Dostal patent from which it was taken. The Examiner stated, *inter alia*:

But claim 10 includes as the only vitalizing feature on which its patentability was based, "a plurality of plungers having their ends cut away at one side for projecting bottles from said sockets and causing them to tilt in one direction." This language is held to be not properly applicable to applicants' ejecting mechanism.

Dostal Patent 2,191,227, where this language originated, shows true plungers 7 (Figs. 1, 2, 7) which reciprocate in guides 8 and have their ends "cut away at one side," or in other words, have stepped ends so that a vertical bottle will be contacted at only one side of its mouth and because of such unbalanced support will be caused to tilt in the desired direction.

The distinction between a "plunger" and a "lever" in such contrasting typical cases as are here involved is clearly apparent. It may be impossible to write a perfect definition of either word; each may be used by various persons with varying degrees of error or aptness; and some imaginary structure might be conceived which might fall in the twilight zone between them. But such considerations do not offer any reason for refusing to recognize the sharp distinction which is actually present here, or for allowing a confusion of words and definitions to obliterate the sharp distinction between realities. The Dostal plunger does not have a fulcrum about which it may rock, it does not have a power arm to receive application of force to cause rocking, it does not have a load arm to move arcuately against a load.

Dostal's distinctive type of ejector is aptly called a plunger; while applicant uses a lever, which is not a plunger, as his ejector. The structures are materially different.

It seems doubtful to us whether, even if it had been held that the amendment to the specification should not be deleted, an interference with Dostal would have been declared, but, however that may be, we are of the opinion that the amendment injected new matter into the reissue application and that the ruling of the Examiner (impliedly approved by the Board in its general affirmance) that such amendment "should be cancelled" was correct.

For the reasons indicated, the decision of the Board affirming the Examiner's rejection of all the claims is affirmed.

Affirmed.

Decision on Petition for Reconsideration

GARRETT, P. J.:

The above decision was filed in the office of the clerk of the court on March 6, 1945, and copy of same was forwarded to counsel for appellants. In conformity with our practice copies were not distributed for printing pending expiration of the period within which, under our rules, petitions for rehearing, or reconsideration, may be filed.

On March 26, 1945, appellants filed a petition for reconsideration which has received our careful study.

Upon the merits of the case we find no reason to change our conclusion, but the petition directs attention to the fact that a mistake was made by us in referring to appellants' application as one for reissue of a patent.

or ejecting terminal portion. The lever is pivoted to and carried on a shaft. We quote the following (omitting numerals) from the decision of the Board:

The disclosure relates to mechanism for discharging bottles from bottle-washing machines. The bottles are mounted in a conveyor which carries them through the washing machine as is shown in Figs. 1 and 2. It is disclosed that by applicants' arrangement the bottles ejected from the washer conveyor at the discharging station will, upon tilting over, fall into separate stalls or partitions on the transfer table. The angle of the ejector or terminal portion of the ejector with respect to the mouth of the bottle to be ejected is such that only the lower margins of the beads of the bottles will be engaged by the terminal portion, that is, the terminal portion of the ejector arm does not flatly engage the end of the bead of the bottle and does not engage the bead at oppositely disposed points thereof as is said to be the conventional practice. It is disclosed that such one-sided engagement of the terminal portion of the ejector arm results in a movement of the bottle which tends to tilt the bottle wall by gravity onto [a] table upon being completely ejected from the bottle pocket.

An inspection of the drawings of the Ladewig et al. patent reveals a bottle washing machine strikingly similar to that disclosed by the drawings of appellants, both in general arrangement and in many details. In the particular detail of unloading or discharging means—the ejector—Ladewig discloses a reciprocating plunger having a beveled end instead of a pivoted lever. In operation, as pointed out in the brief of the Solicitor for the Patent Office, "The beveled end of this plunger engages the lower portion of the bead on the bottle mouth in the final ejecting movement and the bottle falls by gravity onto the tiltable table 43. After the bottles are deposited on the table it is tilted to upright position and the bottles are placed on the conveyor 45."

The record does not disclose the arguments made on behalf of appellants before the tribunals of the Patent Office (there is no reason why it should do so), but it is fairly inferable from the decision of the Board that the several material questions were fully argued before it, and we take the liberty of quoting literally rather than paraphrasing that portion of the Board's decision which we deem most material relating to claims 1, 2, 4 to 9, inclusive, and 13:

Taking claim 1, the Examiner points out that it recites a structure fully anticipated by this reference and that it seems that the reliance for patentability rests on the clause explaining that the cause of the tilting which accompanies ejection is due at least in part to the ejector contact at one side of the bottle mouth. The Examiner states that it is not seen how this language escapes the reference where the combined ejection and tilting function is due to action of the ejector which engages only one side of the bottle mouth as the ejection begins and is aided by gravity.

Appellants argue that claim 1 sets forth the improved result of applicants' invention and that it is achieved by the use of an ejector having the end portion thereof so constructed as to engage only one side of the mouth of the bottle. It is argued that, as in claim 1, all of the remaining claims similarly define the novel elements of applicant's invention. It is argued that there is not a single word in the Ladewig et al. specification which indicates that these patentees secured or intended to secure a simultaneous tilting of the bottle while it was being ejected from the pocket onto the transfer table. It is argued further that if any result were secured by this patent, it would be to prevent the tilting of the bottle until it had been ejected sufficiently far so as to assure passage of the large end of the bottle over the projection 69.

It is apparent from the showing in the drawing of Fig. 3 of the patent that the end of the plunger 39 is spaced farther from the pocket in which the bottle is supposed to be carried at the bottom than at the top and apparently it would strike the upper edge or bead of the

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We have carefully considered the extensive arguments embraced in appellants' forty-three page brief, together with those made at the oral presentation before us, in the effort to show error in the above holding, but we are not convinced that there was error. To follow the arguments in detail and answer them in writing, one by one, could serve no useful public purpose.

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lever. It does not appear from the record just when appellants copied the Dostal claim, but it does appear that on March 27, 1941, they sought to amend their specification by inserting the word "plunger" at two places therein where it would appear in connection with "lever." Apparently the amendment was permitted, but in the Examiner's decision of February 20, 1942, relating primarily to claims 1, 2, 4 to 9, inclusive, and 13, but referring also to claims 10, 11, and 12, he stated that "the references to a 'plunger' should be cancelled." In appellants' appeal to the Board it was alleged:

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No copy of appellants' patent, reissue of which is sought, is included in the record before us. It is assumed that the specification of the reissue application, as originally filed, was a verbatim copy of the specification of the patent as issued, and it is clear from the record that the word "plunger" did not appear therein, but that it was inserted for the first time by the amendment of March 27, 1941, which the Examiner of Interferences held should be cancelled. It seems obvious that the amendment was proposed in the effort to provide a disclosure of "plungers" to enable appellants to support that feature as it appears in claims 10 and 11, inserted for the purpose of securing an interference with Dostal.

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* * * In the rejection of some of the appellants' claims, i. e., claims 10 and 11 on the alleged basis that they were not supported by the disclosure, the Examiner and the Board of Appeals have improperly attached undue importance to the name of an element, i. e., plungers, which element entered into the claimed combination and which element, in itself, would not render the claim patentable or unpatentable in view of the fact that such elements, i. e., plungers, have been in use in bottle washers as bottle ejectors for many years, as clearly established by the prior art.

A number of authorities are then cited as supporting the contention—

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Appellants' claim 10 (and the same may be said of claim 11) was put forward for interference purposes. There is no question of its patentability here involved, it being a patent claim. It was evidently considered by the tribunals of the Patent Office in the light of its purpose, and hence measured by the showing of the Dostal patent from which it was taken. The Examiner stated, inter alia:

But claim 10 includes as the only vitalizing feature on which its patentability was based, "a plurality of plungers having their ends cut away at one side for projecting bottles from said sockets and causing them to tilt in one direction." This language is held to be not properly applicable to applicants' ejecting mechanism.

Dostal Patent 2,191,227, where this language originated, shows true plungers 7 (Figs. 1, 2, 7) which reciprocate in guides 8 and have their ends "cut away at one side," or in other words, have stepped ends so that a vertical bottle will be contacted at only one side of its mouth and because of such unbalanced support will be caused to tilt in the desired direction.

The distinction between a "plunger" and a "lever" in such contrasting typical cases as are here involved is clearly apparent. It may be impossible to write a perfect definition of either word; each may be used by various persons with varying degrees of error or aptness; and some imaginary structure might be conceived which might fall in the twilight zone between them. But such considerations do not offer any reason for refusing to recognize the sharp distinction which is actually present here, or for allowing a confusion of words and definitions to obliterate the sharp distinction between realities. The Dostal plunger does not have a fulcrum about which it may rock, it does not have a power arm to receive application of force to cause rocking, it does not have a load arm to move arcuately against a load.

Dostal's distinctive type of ejector is aptly called a plunger; while applicant uses a lever, which is not a plunger, as his ejector. The structures are materially different.

It seems doubtful to us whether, even if it had been held that the amendment to the specification should not be deleted, an interference with Dostal would have been declared, but, however that may be, we are of the opinion that the amendment injected new matter into the reissue application and that the ruling of the Examiner (impliedly approved by the Board in its general affirmance) that such amendment "should be cancelled" was correct.

For the reasons indicated, the decision of the Board affirming the Examiner's rejection of all the claims is affirmed.

Affirmed.

Decision on Petition for Reconsideration

GARRETT, P. J.:

The above decision was filed in the office of the clerk of the court on March 6, 1945, and copy of same was forwarded to counsel for appellants. In conformity with our practice copies were not distributed for printing pending expiration of the period within which, under our rules, petitions for rehearing, or reconsideration, may be filed.

On March 26, 1945, appellants filed a petition for reconsideration which has received our careful study.

Upon the merits of the case we find no reason to change our conclusion, but the petition directs attention to the fact that a mistake was made by us in referring to appellants' application as one for reissue of a patent.

The involved application, Serial No. 331,586, filed April 25, 1940, is not for the reissue of a patent, but states in the specification that it is a division of a prior application, Serial No. 141,084, filed by appellants May 6, 1937, which, so far as the record shows, is still pending in the Patent Office.

What we should have stated is that no copy of the prior, or patent, application was included in the record certified to us by the Patent Office. It is conceded that the term "plunger" did not appear in the here involved application as originally filed, and that it was inserted for the first time by an amendment of March 27, 1941, which subsequently was deleted as being new matter. The only reasonable inference is that the term did not appear in the patent application else appellants would have made that application a part of the record.

It is greatly regretted, particularly by the writer of the opinion, that the mistake occurred, and the petition of appellants has been granted for the purpose of making the necessary correction in that regard. The matter, however, does not affect the merits of the controversy, nor are any other matters brought to our attention by the petition which lead us to feel that the conclusion originally reached was erroneous. Therefore, in so far as the petition may be regarded as one for rehearing, it is denied.

Interference Notice

U. S. PATENT OFFICE, Richmond, Va., August 8, 1945.

Elgan H. Carlton, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of M & M Limited, 271 Clinton Ave., Newark 8, N. J., for registration of a trade-mark and trademark registered September 28, 1926, No. 218,671, to Elgan H. Carlton, 1228 Hemphill St., Fort Worth, Texas, and the notice of such proceeding sent by registered mail to said Carlton at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Carlton, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Register of Patents Available for Licensing or Sale

Pat. 2,358,248. NONSLIP SHOELACE DEVICE. Patented Sept. 12, 1944. Eyelets for shoes or other articles having a releasable spring therein for frictionally engaging a lace to prevent slipping. (Owner) Carmine Panza, 1973 Clinton Avenue, New York 57, N. Y. Groups 35—59; 39—99. Reg. No. 281.

Pat. 2,156,552. BURIAL RECEPTACLE. Patented May 2, 1939. Sections of which comprise two plies of treated wood spaced apart by a porous layer providing an air space. Lining is of substantially waterproof material. Plastic asphalt cement is applied in tongue and groove arrangement between arched lid and box. Lining and exterior are coated with asphaltic cement and then painted. (Owner) Robert L. Taylor, 329 Warrington Avenue, Pittsburgh 10, Pa. Groups 25—71—94; 32—71; 33—98. Reg. 282.

Pat. 2,045,693. THERMOMETER. Patented June 30, 1936. Constructed so that there is slight flexibility of the glass at the point of constriction. Pressing this point between thumb and forefinger permits return of liquid to normal position without whipping. A certain portion of the stem at constriction point may be of metal or rubber fused to glass. (Owner) Simon Broder, 8305 Old Georgetown Road, Bethesda 14, Md. Groups 32—29; 39—11—15. Reg. No. 283.

Pat. 2,377,313. LIGHT SCREENING EYE PROTECTION. Patented June 5, 1945. Goggles utilizing fixed light polarizing lens and coaxial polarizing lens which may be turned relatively to the fixed lens to vary the light screening properties of the lens assembly. (Owner) Francis D. Casler, Ray Brook, N. Y. Groups 32—29; 36—19; 39—14. Reg. No. 284.

Pat. 2,359,312. WRITING PAD. Patented Oct. 3, 1944. Comprises a plurality of sheets forming a stack, each sheet having a stub portion and a body portion divisible along a severance line, alternate sheets arranged with stub portions at opposite ends and the ends of intervening sheets lying between stub portions of adjacent sheets, means binding the adjacent stub portions only together to retain the ends of the intervening sheets. (Owner) Ervin G. Johnson, 1440 Broadway, Oakland, Calif. Group 26—23—92. Reg. No. 285.

Pat. 2,188,546. FLUID MOTOR. Patented Jan. 30, 1940. Having a plurality of vane rotors connected to a common shaft which all add impelling force to shaft even though rotating in opposite directions. The direction of rotation of the rotors may be reversed so that the shaft may be rotated either forwardly or backwardly. This is due to the particular formation of a series of vanes in each rotor. (Owner) Hugo A. J. Thiesen, 4406 Lafayette Avenue, St. Louis 10, Mo. Group 35—11—69. Reg. No. 286.

Pat. 2,309,283. WINDMILL. Patented Jan. 26, 1943. So constructed that control means, set in motion when abnormal wind develops, automatically shuts down mill, renders tall inoperative and draws it close to tower and out of alignment with power wheel. Returns tall to normal position and mill operates when wind subsides. (Owner) Hugo A. J. Thiesen, 4406 Lafayette Avenue, St. Louis 10, Mo. Group 35—22. Reg. No. 287.

Pat. 1,997,788. AUTOMATIC SPEED REDUCING FLUID CLUTCH. Patented Apr. 16, 1935. Provides positive drive automotive differential action while continuously applying power to both wheels. (Owner) Phil A. Friedell, 1629 Telegraph Avenue, Oakland 12, Calif. Group 38—31. Reg. No. 288.

Pat. 2,174,164. PLASTIC COMPOUND. Patented Sept. 26, 1939. Dielectric plastic or sealing compound particularly adapted for ducts or conduits used for underground electric cables and wires. It is fireproof, waterproof, non-corrosive; remains plastic and workable throughout changing climatic conditions and during long periods. Formula recited in patent. (Owner) Silvio Pellerano, 1918 Seventy-first Street, Brooklyn, N. Y. Groups 28—83—89; 32—40. Reg. No. 289.

Pat. 2,095,614. NONHARDENING CEMENT. Patented Oct. 12, 1937. Cement or sealing compound. It is waterproof, noncorrosive; remains plastic and workable throughout changing climatic conditions and during long periods and will adhere to surfaces of various materials, such as tile, glass, steel, concrete, etc., without treating such surfaces. Formula recited in patent. (Owner) Silvio Pellerano, 1918 Seventy-first Street, Brooklyn, N. Y. Groups 28—83—89; 32—40. Reg. No. 290.

Pat. 2,367,259. LOCK NUT AND METHOD OF MAKING SAME. Patented Jan. 16, 1945. Alternate transverse slots penetrate the nut from opposite sides to a depth beyond center of hole but short of threads on far side. Nut is compressed so that slots substantially meet on outside while inside ends of slots remain unchanged, thus distorting intermediate portions obliquely. When wrench turned on stud slots open and nut will lock wherever it stops. (Owner) Willard C. Beach, Proprietor, Beach Precision Parts Co. Second and Warren Streets, Harrison, N. J. Group 33—91. Reg. No. 291.

Pat. 2,261,437. STAGING. Patented Nov. 4, 1941. Having uprights and stirrups for anchoring to a wall and supports of substantially Z-form spanning distance between to receive planks thereon. Provides a lower platform for worker and higher platform for material. Can be easily installed and dismantled. (Owner) Robert Galbraith, 190 Laurel Street, Longmeadow, Mass. Groups 24—31; 25—99; 33—81. Reg. No. 292.

Pat. 2,219,458. RECORDING APPARATUS. Patented Oct. 29, 1940. Utilizing mirrors and so constructed that the front and back of documents may be photographed simultaneously by a single exposure. (Owner) John W. Sohns, 28 Station Plaza, Great Neck, Long Island, N. Y. Group 39—12. Reg. No. 293.

Pat. 1,953,966. CONNECTER. Patented Apr. 10, 1934. Plug is recessed so that each wire fixed therein has a substantial U formed near its end. Clamping member engages U and frictionally holds wire in place without use of screws. Clamping members also form the prongs which engage a socket. May be used as a connector fence, wire or cable, etc. (Owner) Harold J. Lynch, 7427 Boulevard East, North Bergen, N. J. Group 36—11. Reg. No. 294.

Pat. 2,233,458. CLAMPING DEVICE. Patented Mar. 4, 1941. For securing two spaced scaffolding elements extending in different directions together. Clamping action is similar to that obtained by a vise. By turning a vise-like handle the device clamps the two elements simultaneously. (Owner) Massimo Segre, 50 West 106th Street, New York 25, N. Y. Groups 24—31; 25—99; 33—81. Reg. No. 295.

Pat. 2,240,864. COUPLING DEVICE FOR TEMPORARY STRUCTURES. Patented May 6, 1941. Device is formed with clamping means on substantially opposite sides for rigidly clamping two scaffolding elements together in angular relationship. Clamping surfaces when closed assume shape appearing as substantially $\frac{1}{4}$ of an open circle. The device operates in manner similar to a vise. Two threaded bolts operate to open and close clamp. (Owner) Massimo Segre, 50 West 106th Street, New York 25, N. Y. Groups 24—31; 25—99; 33—81. Reg. No. 296.

Pat. 2,278,568. FOLDABLE FRAME. Patented Apr. 7, 1942. Four-legged frame for use especially as camp chair, stool, or table. Adjustable crossbar locks frame in normal position and adds stability. Frame can be folded with legs close together in compact manner. Can be opened or folded by acting on only two of legs. (Owner) Massimo Segre, 50 West 106th Street, New York 25, N. Y. Groups 25—11—31; 33—12—73. Reg. No. 297.

Pat. 2,371,093. METHOD OF MAKING COFFEE TABLETS. Patented Mar. 6, 1945. Beans roasted and ground in conventional manner; grains are then passed between pressure rolls which roll them into thin flakes, a predetermined amount falling loosely into a mold. Flakes are compressed into dense hard tablets and will not disintegrate easily. Can be packed in cheap carton for shipment. (Owner) Walter W. Willison, 638½ Arlington Place, Chicago 14, Ill. Groups 20—99; 35—51. Reg. No. 298.

Pat. 2,145,601. FLUSH TANK. Patented Jan. 31, 1939. By pulling flexible chain tank is flushed in usual manner. Chain is guided in curved tube which terminates centrally in tank at water line near top. (Owner) Samuel E. Hopper, % Lorain Specialty Co., 122 Dinsmore Avenue, Crafton, Pittsburgh, Pa. Groups 32—61; 33—61. Reg. No. 299.

Pat. 2,180,753. CIGARETTE PACKAGE. Patented Nov. 21, 1939. Pull on string or cord fastened thereto cuts front of wrapper from top to bottom dividing pack into half portions which remain hinged to back unsevered portion of wrapper. (Owner) Albert G. Woglom, 10 Belmont Place, Melrose Highlands, Mass. Groups 21—11; 26—25. Reg. No. 300.

Pat. 1,728,297. DIAL TELEPHONE. Patented Aug. 6, 1929. Device for dial of a phone whereby all legends corresponding to those on dial are visible at night and calls can be made without need of extraneous light. Luminous painted strip and indicia are utilized and rotate with dial. Finger is protected from contact with the luminous paint. (Co-owner) Edith T. Tanksley, Apt. 621, Hotel Endicott, Columbus Avenue and 81st Street, New York, N. Y. Group 36—62. Reg. No. 301.

Pat. 1,947,541. SAUSAGE MACHINE. Patented Feb. 20, 1934. Machine for stuffing sausage casings or the like in which different colored materials placed in machine will appear in elongated layers and in contrasting cross sections. (Owner) Eugene Wengel, 5099 Nottingham Road, Detroit 24, Mich. Groups 20—13; 35—69. Reg. No. 302.

Pat. 2,011,148. BATHTUB. Patented Aug. 13, 1935. Fixture for use as basin and bathtub. Basin structure in top can be slid out of way into wall cabinet. Device then functions as bathtub. Well is waist deep and provided with seat portion. Fixture is small for use in cramped quarters. (Owner) William Hoeft, 1140 North La Salle, Apt. 424, Chicago 10, Ill. Groups 32—61; 33—61. Reg. No. 303.

Pat. 2,311,437. WEIGHING SCALE. Patented Feb. 16, 1943. Scale which can be adjusted to weigh light or heavy loads. Has graduated chart to indicate amount of various ingredients required to secure a desired result. The quantity can be weighed. Has means to indicate weight of material in detachable scoop. (Owner) John H. Homrighous, 1029 Wenonah Avenue, Oak Park, Ill. Groups 27—61; 35—74. Reg. No. 304.

Pat. 2,041,412. LIGHTING SYSTEM. Patented May 19, 1936. Artificial light rays are varied in such a manner as to change the length of the rays slowly, also to vary the colors of reflected and direct rays therefrom and also to vary diffusion of the light rays. (Owner) John H. Homrighous, 1029 Wenonah Avenue, Oak Park, Ill. Groups 34—81; 36—11. Reg. No. 305.

Pat. 2,305,581. MOTOR CONTROL SYSTEM. Patented Dec. 15, 1942. Apparatus varies and controls frequency in motor input circuit to hold the speed of a motor uniform under changing load conditions or fluctuating power input. (Owner) Paul W. Homrighous, 1029 Wenonah Avenue, Oak Park, Ill. Group 38—31. Reg. No. 306.

Pat. 1,952,659. **COSMETIC APPLICATOR.** Patented Mar. 27, 1934. Substantially spoon-shaped device, head portion having closed chamber with perforated tinted face plate. Contains heating element. When applied to face or neck medicament or the like placed therein is heated and seeps out through perforations. Tinted plate gives bleaching effect. (Owner) Julia T. Dorrance, 454 North Third Street, Long Beach 2, Calif. Groups 28—83; 36—21; 39—15. Reg. No. 307.

Pat. 2,243,870. **BABY FEEDING BOTTLEHOLDER AND TEETHER.** Patented June 3, 1941. Single strand of wire encased in flexible, pliable material is bent so that base portion may lie beneath blankets while substantial U portion frictionally holds bottle while infant is on his side or back. May be adapted to hold bottles of various shape. (Owner) Justin A. Klaus, 5159 Eichelberger, St. Louis 9, Mo. Groups 30—41; 39—96. Reg. No. 308.

Pat. 2,149,163. **TUBULAR WATER GAUGE SIGHT GLASS.** Patented Feb. 28, 1939. Corrosion-resistant wire is placed in sight glass, spiral ends frictionally engage sides of glass, holding wire in position. Reduces formation of air bubbles, sedimentation on walls, and prevents cracking of glass under exceptional heat stresses. (Owner) William J. Corliss, 24 Palisade Road, Elizabeth 3, N. J. Groups 33—66; 35—43—69. Reg. No. 309.

Pat. 2,363,007. **EQUIPMENT FOR CUTTING CIRCLES IN METAL SHEETS OR PLATES.** Patented Nov. 21, 1944. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Supporting means having tracks for reciprocatory movement of torch carriage is pivotally mounted to a single vertical upright which permits swinging movement relative to a conventional turntable, preferably "Welding Manipulator" turntable, used therewith. Electro-magnetic radius-rod-centering device permits circular cutting without centering indentations. (Owners) William H. Kohlhafer and Frank J. Olenik, David Taylor Model Basin, Washington 7, D. C. Groups 35—42; 36—19. Reg. No. 310.

Pat. 2,126,150. **PROCESS FOR MAKING GAS.** Patented Aug. 9, 1938. Groups 28—86; 29—11. Reg. No. 311.

Pat. 2,216,792. **GAS MAKING APPARATUS.** Patented Oct. 8, 1940. Division of Pat. 2,126,150. Groups 28—86; 29—11. Reg. No. 312.

The two patents listed above relate to process and apparatus for producing and reforming combustible gases. A finely divided volatilizable and/or hydrocarbonaceous material is introduced and partially or completely reformed gases are obtained from various levels of fuel bed. (Owners) Albert R. Stryker and Chester Tietig. Address correspondence to Albert R. Stryker, 107 Billups Drive, Lawrenceburg, Ind.

Pat. 2,200,607. **METHOD FOR MAKING PURE HYDROGEN.** Patented May 14, 1940. Groups 28—86; 29—11. Reg. No. 313.

Pat. 2,268,910. **APPARATUS FOR MAKING HYDROGEN.** Patented Jan. 6, 1942. Division of Pat. 2,200,607. Groups 28—86; 29—11. Reg. No. 314.

The two patents listed above relate to process and apparatus for making hydrogen of exceptional purity. Hydrogen pure enough for hydrogenation of oils to make edible fats can be bled off continuously. (Owners) Albert R. Stryker and Chester Tietig. Address correspondence to Albert R. Stryker, 107 Billups Drive, Lawrenceburg, Ind.

Pat. 2,367,211. **PRESSURE GAUGE.** Patented Jan. 16, 1945. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Especially intended for use under water in testing explosion effects. Comprises a resistance element, the electrical resistance of which varies with the application of pressure thereto, and a glass body in which the element is completely embedded, and which serves to insulate the element from the water and the leads from each other and to transfer the explosion pressures to the element. (Owner) Moses A. Greenfield, David Taylor Model Basin, Washington 7, D. C. Groups 36—11—13; 39—11. Reg. No. 315.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 11, 1945

[Vol. 578. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 470,866. **FRANK J. SOWA**, doing business as Sowa Chemical Company, New York, N. Y. Filed June 2, 1944. Applicant is the owner of Reg. No. 413,619.

SIL-O-SIL

FOR ORGANO-SILICON COMPOUNDS FOR USE IN MAKING PLASTICS, FILMS, AND FILAMENTS; FOR USE IN COMPOSITIONS COMPRISING RESINS, CELLULOSE DERIVATIVES, RUBBER OILS, ETC.
Claims use since Mar. 31 1944.

Ser. No. 478,580. **GASPEZIA SULPHITE COMPANY LTD.**, Quebec, Quebec, Canada. Filed Jan. 13 1945.

GASPEZIA

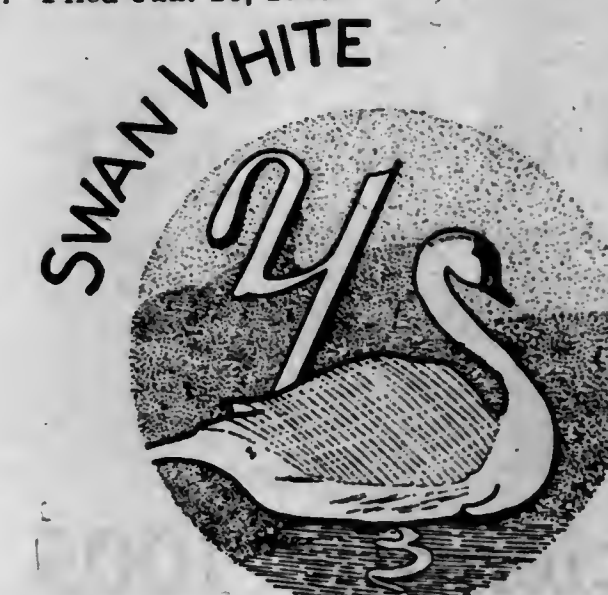
FOR UNBLEACHED SULPHITE PULP.
Claims use since July 1937.

Ser. No. 478,696. **YORK FEATHER & DOWN CO.**, Brooklyn, N. Y. Filed Jan. 16, 1945.



Applicant disclaims the words "Silver Gray" separately from the mark.
FOR FEATHERS AND DOWN FOR UPHOLSTERY AND BEDDING.
Claims use since Sept. 23 1935.

Ser. No. 478,697. **YORK FEATHER & DOWN CO.**, Brooklyn, N. Y. Filed Jan. 16, 1945.



Applicant disclaims the words "Swan White".
FOR FEATHERS AND DOWN FOR UPHOLSTERY AND BEDDING.
Claims use since Sept. 23, 1935.

Ser. No. 482,507. **SELECTRONIC DISPERSIONS, INC.**, Montclair, N. J. Filed Apr. 23, 1945.



FOR PLASTIC COMPOUNDS, ALLOYS, AND DISPERSIONS USED FOR MOLDING AND INDUSTRIAL FINISHES AND RELATED ARTS.
Claims use since Apr. 11, 1945.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 478,457. **L & N SPECIALTIES COMPANY**, Chicago, Ill. Filed Jan. 10, 1945.

IDEAL

FOR LADIES' HANDBAGS.
Claims use since Sept. 26, 1944.

Ser. No. 480,400. ATLAS LEATHER CASE Co., Chicago, Ill.
Filed Mar. 2, 1945.

PILOT

FOR MEN'S HAND LUGGAGE—NAMELY, WARD-ROBE CASES, JACKKNIFE CASES, WEEK END CASES, OVERNIGHT CASES, TRAVELING BAGS, CLUB BAGS, AND KIT BAGS.

Claims use since February 1938.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 471,499. TURCO PRODUCTS, INC., Los Angeles, Calif. Filed June 21, 1944.

CARBOBLAST

FOR COMPOUNDS FOR CLEANING AND POLISHING METALS.

Claims use since Feb. 15, 1944.

Ser. No. 479,241. S. H. KRESS AND COMPANY, New York, N. Y. Filed Jan. 31, 1945.

Scientific 1005

Applicant disclaims the word "Scientific" apart from the mark.

FOR SOAPS.

Claims use since July 1, 1944.

Ser. No. 482,173. MYRURGIA S. A., Barcelona, Spain.
Filed Apr. 14, 1945.

Jungla

FOR TOILET SOAP.

Claims use since June 1942.

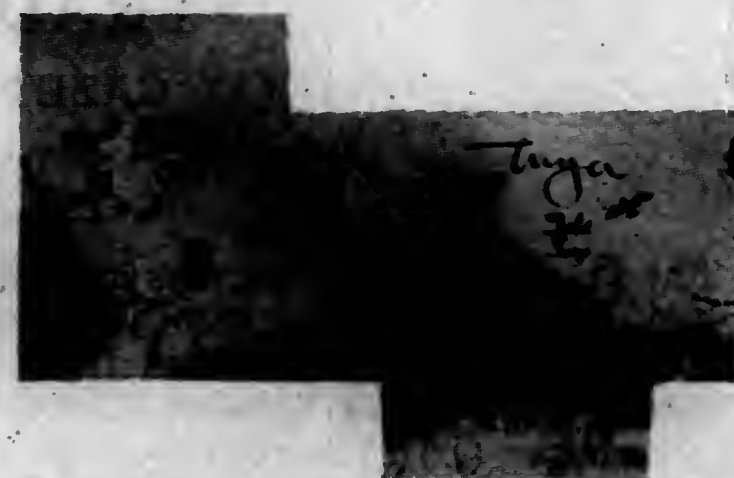
Ser. No. 482,176. OLD DUTCH INDUSTRIAL PRODUCTS Co., Inc., Harrison, N. J. Filed Apr. 14, 1945.



FOR SHOE POLISH, SHOE DRESSING, AND SHOE WAXES.

Claims use since February 1944.

Ser. No. 482,296. PARA TI CORPORATION, New York, N. Y.
Filed Apr. 18, 1945.



No claim is made to the words "Toilet Soap," "Corporation," "Distributors," "New York," and "Made in U. S. A.," apart from the mark as shown.

FOR TOILET SOAPS.

Claims use since Oct. 17, 1944.

Ser. No. 482,358. ZONED SOAP COMPANY, INCORPORATED, Fort Wayne, Ind. Filed Apr. 19, 1945.



No claim is made to the wording other than the word "Kupie" apart from the mark as shown.

FOR SOAP.

Claims use since Oct. 1, 1944.

Ser. No. 483,169. THE COWLES DETERGENT COMPANY, Cleveland, Ohio. Filed May 10, 1945.

DRYSEQ

FOR WATER SOLUBLE ALKALI SILICATE FOR USE IN DEGREASING AND REMOVING SOIL FROM METALS, TEXTILES, PAPER MAKING FIBERS, AND OTHER SURFACES AND AS AN INGREDIENT OF DETERGENT COMPOUNDS FOR SIMILAR USES.

Claims use since Feb. 7, 1945.

Ser. No. 483,339. THE MORTON S. PINE Co., Cleveland, Ohio. Filed May 14, 1945.

PYNAMULSE

FOR GENERAL HOUSEHOLD CLEANER.

Claims use since Dec. 29, 1944.

Ser. No. 483,452. SANITARY SOAP Co., Paterson, N. J.
Filed May 16, 1945.

Antiseptic VELSO

No claim is made to the word "Antiseptic" apart from the mark shown.

FOR ANTISEPTIC POWDERED HAND SOAP.

Claims use since Mar. 1, 1945.

Ser. No. 483,548. OAKITE PRODUCTS, INC., New York, N. Y.
Filed May 18, 1945.

OAKITE

FOR CLEANING PREPARATIONS PUT UP IN POWDER, GRANULATED, LIQUID, SEMI-LIQUID, OR PASTE FORM.

Claims use since Feb. 2, 1909.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 482,953. ROYALE BRIAR PIPE Co., New York, N. Y.
Filed May 3, 1945.



The lining on the drawing is intended for shading only.
FOR SMOKING PIPES—NAMELY, FOR PIPES MADE OF BRIAR WOOD.

Claims use since March 1945.

Ser. No. 483,269. JABESON CHINA Co. INC., New York, N. Y. Filed May 12, 1945.

JABESON

FOR CERAMIC CIGARETTE BOXES, ASH TRAYS, HUMIDORS, AND CIGAR CASES.

Claims use since June 25, 1943.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 484,779. THE EAGLE-PICHER COMPANY, Cincinnati, Ohio. Filed June 20, 1945.

AGNISITE

FOR INSULATING AND FIREPROOF CEMENT COMPOSED OF CALCINED DIATOMACEOUS EARTH, INSULATING MATERIALS, AND BINDERS.

Claims use since June 5, 1945.

Ser. No. 484,865. THE WAIT ASSOCIATES, INC., New York, N. Y. Filed June 21, 1945.

DAR-AGG

FOR COMPOSITION FORMED PRINCIPALLY OF GROUND SLAG FOR REPLACING A PORTION OF THE CEMENT NORMALLY USED IN CONCRETES TO IMPROVE THE WORKABILITY, HOMOGENEITY, AND RESISTANCE OF THE CONCRETE TO THE DISINTEGRATING EFFECTS OF FREEZING AND THAWING.

Claims use since June 11, 1945.

CLASS 15

OILS AND GREASES

Ser. No. 484,340. THE DENTAL SPECIALTY MANUFACTURING Co., INC., Denver, Colo. Filed June 9, 1945.



FOR HANDPIECE CLEANER AND LUBRICANT, AN OIL-BASE LIQUID.

Claims use since Jan. 1, 1939.

Ser. No. 484,967. OAKITE PRODUCTS, INC., New York, N. Y. Filed June 23, 1945.

OAKITE

FOR SOLUBLE OILS INTENDED FOR USE IN CUTTING, GRINDING, STAMPING, AND SIMILAR MACHINE OPERATIONS, IN HYDRAULIC SYSTEMS, AND IN INDUSTRIAL PLANTS GENERALLY, REQUIRING THE USE OF LUBRICATING AND RUST PREVENTING OILS AND GREASES.

Claims use since June 1938.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 479,770. C-Z CHEMICAL COMPANY, Beloit, Wis. Filed Feb. 14, 1945.

DUST TREAT

No claim is made to the use of the word "Dust" apart from the mark as shown.

FOR SPRAY OIL AND POLISH FOR USE ON FLOORS, FURNITURE, AND WOODWORK.

Claims use since Feb. 20, 1941.

Ser. No. 480,200. L. SONNEBORN SONS, INC., New York, N. Y. Filed Feb. 24, 1945.

DUST - BAN

The word "Dust" is disclaimed apart from the mark.

FOR FLOOR OIL.

Claims use since 1943.

Ser. No. 481,509. THE AMERICAN VARNISH COMPANY, Chicago, Ill. Filed Mar. 30, 1945.

CELLO FILM

Applicant disclaims the word "Film" apart from the word "Cello".

FOR HIGHLY CONCENTRATED SYNTHETIC WOOD FINISH IN LIQUID FORM HAVING AN EXCEPTIONAL FLOW SO THAT SANDING BETWEEN COATS IS ELIMINATED AND RUBBING MINIMIZED IN EITHER GLOSS OR FLAT FINISH.

Claims use since 1934.

Ser. No. 482,470. DETROIT GRAPHITE COMPANY, Detroit, Mich. Filed Apr. 23, 1945.

SYN-GARD

FOR METAL PROTECTIVE PAINTS.

Claims use since Dec. 29, 1924.

Ser. No. 483,193. ARTHUR TIEDMANN, Kimberly, Wis. Filed May 10, 1945.

COPPOSHEEN

FOR PAINT-LIKE COATING COMPOUND FOR WOOD AND METAL SURFACES OF ALL KINDS.

Claims use since May 3, 1945.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 477,024. LOPEZ, FERNANDEZ & Co., Cabaiguan, Cuba. Filed Nov. 29, 1944.

"ELIOS"

The lining on the drawing is for shading only.

FOR CIGARS.

Claims use since May 21, 1941.

CLASS 19

VEHICLES

Ser. No. 478,112. CURTISS-WRIGHT CORPORATION, New York and Buffalo, N. Y.; Columbus, Ohio; Louisville, Ky.; and St. Louis, Mo. Filed Jan. 1, 1945.



The drawing is lined to indicate the colors blue, yellow, purple, orange, pink, and gray. The name "Curtiss," appearing as part of the mark, is a facsimile signature of Glen H. Curtiss, deceased, former president of one of applicant's predecessors in business.

FOR AIRPLANES AND STRUCTURAL PARTS THEREOF.

Claims use since Nov. 25, 1944.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 472,752. FRANK RIEBER, INC., Los Angeles, Calif. Filed July 29, 1944.

CALTRON

FOR MAGNETIC TAPE AND WIRE RECORDERS AND REPRODUCERS EMPLOYING ELECTRONIC AMPLIFYING MEANS.

Claims use since June 20, 1944.

Ser. No. 479,709. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Feb. 12, 1945.

RESCON

FOR ELECTRICAL RESISTANCE OR SEMI-CONDUCTING MATERIAL WHICH COMPRISES ANTI-CORONA OR SEMI-CONDUCTING MATERIALS WHICH ARE NON-METALLIC COMPOUNDS NORMALLY COMPOSED OF CARBON, GRAPHITE, CARBORUNDUM OR OTHER NON-METALLIC, SEMI-CONDUCTING PIGMENTS, COMBINED IN A SUITABLE BONDING AGENT OR CARRIER, FOR THE GENERAL PURPOSE OF CONTROLLING VOLTAGE DISTRIBUTION IN ELECTRICAL APPARATUS OR FOR RAISING THE CORONA AND ARC-OVER VOLTAGES AND INCREASING PUNCTURE STRENGTH OF INSULATION, THE GOODS TAKING THE FORM OF SEMI-CONDUCTING CLOTH OR PAPER TAPES, MOLDED OR LAMINATED SEMI-CONDUCTING PLASTICS, SEMI-CONDUCTING RUBBERS, PAINTS AND CERAMIC BONDED RESISTANCE COMPOUNDS.

Claims use since Dec. 10, 1943.

Ser. No. 480,072. KNEISLEY ELECTRIC COMPANY, Toledo, Ohio. Filed Feb. 21, 1945.

Kni-tron

FOR ELECTRIC ROTARY TAP SWITCHES, ELECTRIC RECTIFIERS, ELECTRIC CONVERSION UNITS FOR ARC LAMPS, AND ELECTRIC FENCE CHARGING CONTROLLERS.

Claims use since October 1935.

Ser. No. 484,498. PIERCE LABORATORY, INC., Summit, N. J. Filed June 13, 1945.

MICROMOTE

FOR ELECTRICAL CIRCUIT BREAKERS.

Claims use since Feb. 12, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 477,987. TILLERY CONTAINER Co., Kansas City, Mo. Filed Dec. 27, 1944.

TURN-A-LEARN

The word "Turn" is disclaimed apart from the mark as shown.

FOR EDUCATIONAL TOYS—NAMELY, TOYS COMPOSED OF OR INCLUDING A CYLINDER CARRYING PICTURES AND DESCRIPTIVE MATTER RELATING THERETO.

Claims use since Nov. 15, 1944.

Ser. No. 485,266. CORTLAND LINE COMPANY, INC., Cortland, N. Y. Filed June 30, 1945.

HERCULES

FOR FISHING LINES.

Claims use since Feb. 23, 1918.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 475,205. WILLIAM J. GIBBS, doing business as Lowerator Manufacturing Co., Brooklyn, N. Y., assignor to American Machine & Foundry Company, Brooklyn, N. Y., a corporation of New Jersey. Filed Oct. 11, 1944.

LOWERATOR

FOR APPARATUS FOR HOLDING ARTICLES OR LAYERS OF ARTICLES CAPABLE OF BEING STACKED, SUCH AS MACHINE OR OTHER COMMERCIAL PARTS, TRAYS, DISHES, CUPS, PLATES, SAUCERS, GLASSES, OR OTHER ARTICLES, AND FOR RAISING OR LOWERING SAID ARTICLES A PREDETERMINED DEGREE UPON REMOVAL OR ADDITION RESPECTIVELY OF ONE OF SAID ARTICLES OR LAYERS OF ARTICLES, SAID APPARATUS SERVING FOR THE DISPENSING OR RECEIVING OF THE ARTICLES HELD THEREBY.

Claims use since Apr. 17, 1937.

Ser. No. 480,236. FRANK HOFBAUER, doing business as Mohawk Tool Company, Detroit and Hazel Park, Mich. Filed Feb. 26, 1945.

**MOHAWK
SUBALAND**

FOR ROTARY CUTTING TOOLS—NAMELY, TOOLS FOR DRILLING, REAMING, COUNTERSINKING, CHAMFERING AND FORMING OR MODIFYING APERTURES IN VARIOUS MATERIALS.

Claims use since Jan. 25, 1945.

Ser. No. 481,830. THE AVIATION CORPORATION, New York, N. Y. Filed Apr. 7, 1945.



FOR MECHANICALLY ACTUATED UNITS FOR OPENING AND CLOSING GARAGE AND OTHER DOORS.

Claims use since Jan. 29, 1944.

Ser. No. 484,521. HENRY DISSTON & SONS, INCORPORATED, Tacony, Philadelphia, Pa. Filed June 14, 1945.



FOR BEET KNIFE FILING MACHINES, BEET KNIFE STRAIGHTENING MACHINES, AND PRECISE GRINDERS.

Claims use on beet knife filing machines and beet knife straightening machines since the year 1934; and on precise grinders since the year 1924.

Ser. No. 484,522. HENRY DISSTON & SONS, INCORPORATED, Tacony, Philadelphia, Pa. Filed June 14, 1945.



FOR POWER CHAIN SAWS, POWER CHAIN SAW SHARPENING MACHINES, AND PARTS PERTAINING THERETO.

Claims use since November 1941.

Ser. No. 484,524. ECLIPSE AIR BRUSH CO., Newark, N. J. Filed June 14, 1945.

DIMENSO

FOR SPRAY GUNS.
Claims use since Sept. 30, 1944.

Ser. No. 484,675. EMBOSOGRAF CORPORATION OF AMERICA, New York, N. Y. Filed June 18, 1945.



FOR EMBOSING PRESSES AND EMBOSING DIES AND TYPE FOR USE THEREIN.
Claims use since Mar. 5, 1915.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 465,083. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Nov. 17, 1943.



The portrait is fanciful. The word "Farm" is disclaimed for registration purposes apart from the mark as shown.

FOR DAIRY, HOG, AND POULTRY EQUIPMENT—NAMES, THERMOMETERS, HYGROMETERS AND SOIL TESTING KITS.

Claims use since Jan. 15, 1941, on thermometers and hygrometers; and since Jan. 15, 1942, on soil testing kits.

Ser. No. 472,315. BURKE & JAMES, INC., Chicago, Ill. Filed July 17, 1944.

"Solarbrome"

FOR SENSITIZED PHOTOGRAPHIC PAPER, SENSITIZED PHOTOGRAPHIC PLATES, AND SENSITIZED FILMS.

Claims use since May 1944.

Ser. No. 480,747. THE DURCO COMPANY, INC., Dayton, Ohio. Filed Mar. 10, 1945.

DURCO

FOR LABORATORY EQUIPMENT PARTICULARLY SUCH FOR HANDLING CORROSIVE LIQUIDS—NAMES, AGITATORS, TANKS, CONDENSERS, DENITRATING EQUIPMENT, DISTILLING APPARATUS, EVAPORATORS, FILTERS, BLEACHING EQUIPMENT, KETTLES, KJELDAHL DIGESTION APPARATUS, ACID RECONDITIONING APPARATUS, THERMOMETER WELLS, CONCENTRATING TOWERS, AND WET ASHING EQUIPMENT.

Claims use since January 1945.

Ser. No. 483,417. AMERICAN ZYLOPTIC COMPANY, New York, N. Y. Filed May 16, 1945.

SONNET

FOR LENSES FOR EYEGLASSES, GOGGLES, AND SPECTACLES AND EYEGLASS, GOGGLE, AND SPECTACLE FRAMES AND PARTS THEREFOR OF METAL, SHELL, AND VARIOUS PLASTIC COMPOSITIONS.

Claims use since Dec. 15, 1944.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 481,713. POST WATCH COMPANY, New York, N. Y. Filed Apr. 4, 1945.

DON-LIN

FOR HOROLOGICAL INSTRUMENTS—NAMES, WATCHES AND CLOCKS.

Claims use since Mar. 28, 1945.

Ser. No. 483,656. WALTER KOCHER, New York, N. Y. Filed May 22, 1945.

THRILL

FOR CLOCKS.
Claims use since July 1943.

Ser. No. 483,824. INTERATLANTIC TRADING CORP., New York, N. Y. Filed May 26, 1945.

TENOR

FOR WATCHES AND PARTS THEREOF.
Claims use since May 22, 1945.

Ser. No. 483,825. INTERATLANTIC TRADING CORP., New York, N. Y. Filed May 26, 1945.

TERRA

FOR WATCHES AND PARTS THEREOF.
Claims use since May 22, 1945.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 469,875. JOSEPH H. MEYER BROS., Brooklyn, N. Y. Filed May 2, 1944.

STARLITE

FOR NECKLACES, BRACELETS, NOT INCLUDING WATCHES, FINGER RINGS, JEWELRY CLIPS, BROOCHES, AND EARRINGS.

Claims use since January 1944.

Ser. No. 483,856. THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed May 28, 1945. Under section 5b of the act of 1905 as amended in 1920.

GRUEN

Applicant is the owner of Regs. Nos. 55,327 and 400,509. FOR BRACELETS, NOT INCLUDING WATCHES.
Claims use since November 1917.

Ser. No. 483,948. ALBERT ADLER, Philadelphia, Pa. Filed May 30, 1945.

Admark

FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES.
Claims use since May 15, 1945.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 469,949. ALLIED STORES CORPORATION, Wilmington, Del., doing business as "The Bon Marche," Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Filed May 5, 1944.



No claim is made to the words "Home Furnishings" apart from the mark shown.
FOR CHINA AND CERAMIC DINNERWARE.
Claims use since Nov. 2, 1943.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 470,820. JOHN P. NICHOLS, Philadelphia, Pa. Filed May 31, 1944.

ETERNAL VICTORY!
FOR RIGHT!

FOR MIRRORS AND MIRROR-FRAMES FOR PERSONAL AND HOUSEHOLD USES.
Claims use since Mar. 31, 1944.

Ser. No. 485,611. SPRING-AIR COMPANY, Holland, Mich. Filed July 9, 1945.

SĀ-RŪ

FOR MATTRESSES AND BOX SPRINGS.
Claims use since May 10, 1945.

CLASS 33
GLASSWARE

Ser. No. 450,531. BLUE RIDGE GLASS CORPORATION, Kingsport, Tenn. Filed Mar. 31, 1943.

SECURIT

FOR FIGURED AND WIRED TEMPERED FLAT GLASS.
Claims use since Dec. 14, 1942.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 485,664. STANDARD OIL COMPANY, Louisville, Ky. Filed July 10, 1945.

KYSO

FOR GARDEN HOSE.
Claims use since Nov. 22, 1943.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 483,016. JACK H. BERGMAN, New York, N. Y. Filed May 5, 1945.

GEM

FOR PHONOGRAPH RECORDS AND PHONOGRAPH RECORD BLANKS.
Claims use since July 1944.

CLASS 37

PAPER AND STATIONERY

Ser. No. 474,777. BRIGHTWATER PAPER COMPANY, Dover, Del., and Adams, Mass. Filed Oct. 2, 1944.

BRIGHTWATER
PUBLISHERS BOND

Applicant is the owner of Regs. Nos. 365,832 and 365,833. Petitioner disclaims any rights with reference to the words "Publishers Bond."
FOR WRITING PAPER.
Claims use since Sept. 1, 1933.

Ser. No. 482,024. TAPE, INCORPORATED, Green Bay, Wis. Filed Apr. 11, 1945.

CONVOY

FOR GUMMED PAPER TAPE USED FOR SEALING PACKAGES, CARTONS, AND SHIPPING CONTAINERS.
Claims use since Dec. 21, 1944.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 477,864. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed Dec. 23, 1944.

Old Faithful

FOR CHILDREN'S STORY BOOKS.
Claims use since Oct. 17, 1944.

Ser. No. 481,108. GOLDCRAFT PORTRAITS, Washington, D. C. Filed Mar. 20, 1945.

GOLDCRAFT PORTRAITS

No claim is made to the word "Portraits" apart from the mark shown.
FOR PHOTOGRAPHS AND PHOTOGRAPHIC PRINTS.
Claims use since January 1940.

Ser. No. 483,971. THE GOLDEN LOTUS PRESS, Philadelphia, Pa. Filed May 30, 1945.

THE
GOLDEN
LOTUS

FOR PERIODICAL MAGAZINE ISSUED MONTHLY DEVOTED LARGELY TO EASTERN PHILOSOPHY AND ALLIED SUBJECTS IN ANCIENT CIVILIZATIONS AND MODERN TIMES.
Claims use since Jan. 11, 1944.

Ser. No. 484,394. THE CURTIS PUBLISHING COMPANY, Philadelphia, Pa. Filed June 11, 1945.



FOR PUBLICATION—NAMELY, A NEWS-REPORTING LETTER REGULARLY PUBLISHED, GENERALLY WEEKLY.
Claims use since Aug. 8, 1944.

Ser. No. 484,421. THE NEWSPAPER PM, INC., New York, N. Y. Filed June 11, 1945.

H
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N
K

FOR SERIES OF CARTOONS OR CARTOON STRIPS, PUBLISHED IN NEWSPAPERS.
Claims use since Apr. 30, 1945.

CLASS 39

CLOTHING

Ser. No. 476,741. MARY LEE, INC., New York, N. Y. Filed Nov. 21, 1944.

Adele Simpson

The trade-mark consists of the facsimile signature of Adele Simpson, whose consent is filed herein.
FOR WOMEN'S, MISSES', AND GIRLS' DRESSES, SUITS, SKIRTS, BLOUSES, WAISTS, AND COATS.
Claims use since Dec. 1, 1941.

Ser. No. 478,548. G. H. & E. FREYBERG INC., New York, N. Y. Filed Jan. 12, 1945.



The word "Dresses" is disclaimed apart from the mark.
FOR MISSES' AND CHILDREN'S DRESSES.
Claims use since January 1937.

578 O. G.—12

Ser. No. 480,537. BENJAMIN COOK, New York, N. Y. Filed Mar. 6, 1945.

ARCH-CRAFT

FOR MEN'S, WOMEN'S, AND CHILDREN'S SHOES OF LEATHER, FABRIC, RUBBER, OR OF COMBINATIONS OF SAID MATERIALS.
Claims use since Feb. 1, 1942.

Ser. No. 483,951. ARTVOGUE SPORTSWEAR CO., San Francisco, Calif. Filed May 30, 1945.

Artvogue
CALIFORNIA

The words "of California" are disclaimed apart from the mark shown.
FOR MEN'S AND BOYS' DRESS AND SPORT SHIRTS.
Claims use since January 1940.

Ser. No. 484,002. WILMINGTON HOSIERY MILLS, INC., Wilmington, Del. Filed May 30, 1945.

IRONYON

FOR HOSIERY.
Claims use since Apr. 2, 1945.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 482,393. HENRY POLLAK, INC., New York, N. Y. Filed Apr. 20, 1945. Class 40.

LUCELLO

FOR HAT AND MILLINERY BRAIDS.
Claims use since February 1945.

Ser. No. 483,111. PAULINE M. HELM, Springfield, Mo.
Filed May 8, 1945.

MY TRAIL

FOR NEEDLEWORK SAMPLERS.
Claims use since September 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 475,493. A. C. GILL, LIMITED, Nottingham, Eng-
land. Filed Oct. 19, 1944.

WITCHCRAFT

FOR TWIST LACE USED FOR MAKING DRESSES
AND FOR EDGING GARMENTS AND UNDERWEAR.
Claims use since Feb. 28, 1934.

Ser. No. 480,647. CARAVAN SALES COMPANY, New York,
N. Y. Filed Mar. 8, 1945.

CARAVAN

FOR TABLE-CLOTHS AND NAPKINS, AND OTHER
HOUSEHOLD LINENS CONSISTING OF TOWELS,
DOILIES, SHEETS, AND PILLOW CASES.
Claims use since Jan. 2, 1944.

Ser. No. 484,064. RIVERSIDE & DAN RIVER COTTON MILLS,
INC., Danville, Va. Filed June 1, 1945.

DAN - DYE

No registration rights are claimed for the word "Dye"
apart from the mark as shown.
FOR PIECE GOODS OF COTTON, RAYON, OR MIX-
TURES THEREOF.
Claims use since Apr. 19, 1945.

Ser. No. 485,426. TERHUNE, YERANCE & WOLFF, INC., New
York, N. Y. Filed July 3, 1945.

MOSSDOWN

FOR WOOLEN AND WORSTED FABRICS IN THE
PIECE.
Claims use since June 22, 1945.

Ser. No. 485,695. THE ORR FELT & BLANKET COMPANY,
Piqua, Ohio. Filed July 11, 1945.

ORRLASKAN

FOR BLANKETS OF WOOL.
Claims use since March 1944.

Ser. No. 485,704. TERHUNE, YERANCE & WOLFF, INC.,
New York, N. Y. Filed July 11, 1945.

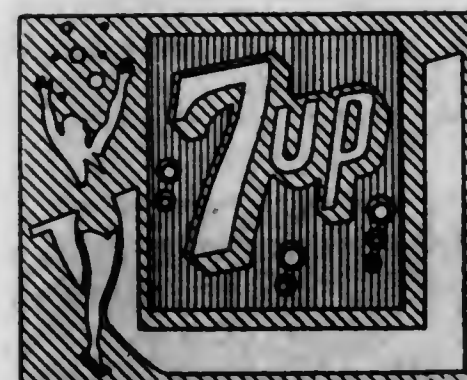
HOLLAS

FOR WOOLEN AND WORSTED FABRICS IN THE
PIECE.
Claims use since June 28, 1945.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 465,582. THE SEVEN UP COMPANY, St. Louis, Mo.
Filed Dec. 8, 1943. Under the act of February 20, 1905,
as amended June 10, 1938.



The drawing is lined for color, the background or base
being emerald green upon which is superimposed white and
an orange hue of red.

FOR CARBONATED, NON-ALCOHOLIC, NON-
CEREAL MALTLESS BEVERAGES SOLD AS SOFT
DRINKS.

Claims use since Oct. 11, 1937.

Ser. No. 482,836. H. Fox & Co., Brooklyn, N. Y. Filed
May 1, 1945.

u-bet

FOR NON-ALCOHOLIC, MALTLESS BEVERAGES
SOLD AS SOFT DRINKS AND SIRUPS THEREFOR.
Claims use since Apr. 27, 1942.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 472,039. CHASERS, INC., doing business under the
name The Ohio Confection Company, New York, N. Y.
Filed July 10, 1944.

"Oh See!"

FOR CHOCOLATE-COVERED ALMONDS, RAISINS,
AND MINTS.
Claims use since Mar. 15, 1944.

Ser. No. 473,903. MOTHER'S CHOICE PRODUCTS, INC.,
Brooklyn, N. Y. Filed Sept. 5, 1944.

WANDIN

FOR PREPARED CAKE MIXES, GINGER BREAD
MIX, MUFFIN MIX, ICE CREAM MIX, FOOD FLAVOR-
ING EXTRACTS, AND POWDERS FOR MAKING
PUDDINGS.

Claims use since July 20, 1944.

Ser. No. 476,188. HOWARD BLACK, doing business as
Howard Black Cherry Co., Traverse City, Mich. Filed
Nov. 7, 1944.



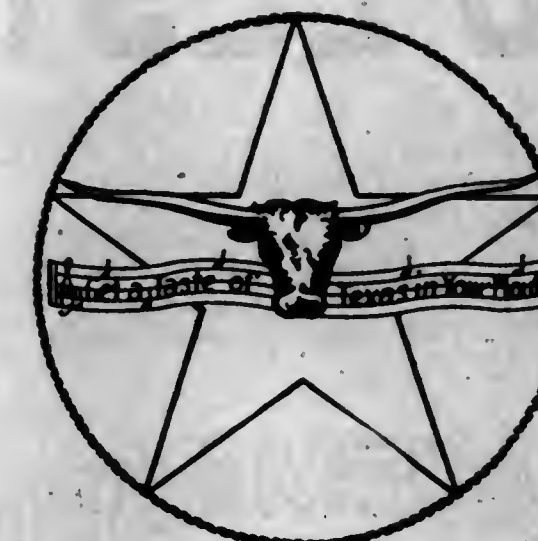
"Sweet Native"
BRAND
Cherries

The mark includes a reproduction of an oil painting
owned by the applicant; the picture being fanciful. Ap-
plicant disclaims the words "Sweet Native Brand
Cherries" apart from the mark shown.

FOR FRESH CHERRIES, CANNED CHERRIES, AND
CHERRIES PRESERVED IN SYRUP.

Claims use since 1938.

Ser. No. 480,941. ADAMS CANDY COMPANY, Dallas, Tex.
Filed Mar. 15, 1945.



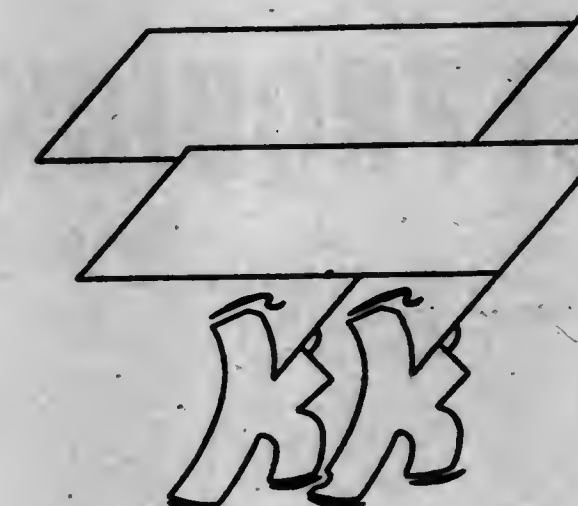
The word "Texas" is disclaimed apart from the mark.
FOR CANDY.
Claims use since May 10, 1944.

Ser. No. 480,954. DOUGLAS A. LEHMAN, Harrisburg, Ill.
Filed Mar. 15, 1945.

VALLEY VIEW

FOR DAIRY PRODUCTS—NAMELY, BUTTER,
CHEESE, AND MILK.
Claims use since Nov. 1, 1940.

Ser. No. 481,792. THE KELLING NUT CO., Chicago, Ill.
Filed Apr. 6, 1945.



Applicant is the owner of Reg. Nos. 371,058 and 377,221.
FOR SALTED, CANDIED, AND PLAIN NUT MEATS.
Claims use since Feb. 22, 1945.

Ser. No. 482,949. POLK PACKING ASSOCIATION, Winter Haven, Fla. Filed May 3, 1945.

NU-ZEST

FOR CITRUS PRODUCTS—NAMESLY, FRESH CITRUS FRUITS, CANNED CITRUS FRUITS, AND CANNED CITRUS JUICES FOR FOOD PRODUCTS.
Claims use since 1936.

Ser. No. 484,057. THE MORRISON MILLING CO., Denton, Tex. Filed June 1, 1945.

PEACEMAKER

Applicant is the owner of Reg. No. 52,525.
FOR WHEAT FLOUR.
Claims use since 1886.

Ser. No. 485,210. GENERAL MILLS, INC., Minneapolis, Minn. Filed June 29, 1945.

CAKQUICK

Applicant is the owner of trade-mark registrations Nos. 303,250, 259,723, and 295,844.
FOR PREPARED FLOUR MIX.
Claims use since June 26, 1945.

Ser. No. 485,211. GENERAL MILLS, INC., Minneapolis, Minn. Filed June 29, 1945.

GINGRQUICK

FOR PREPARED FLOUR MIX.
Claims use since June 26, 1945.

Ser. No. 485,212. GENERAL MILLS, INC., Minneapolis, Minn. Filed June 29, 1945.

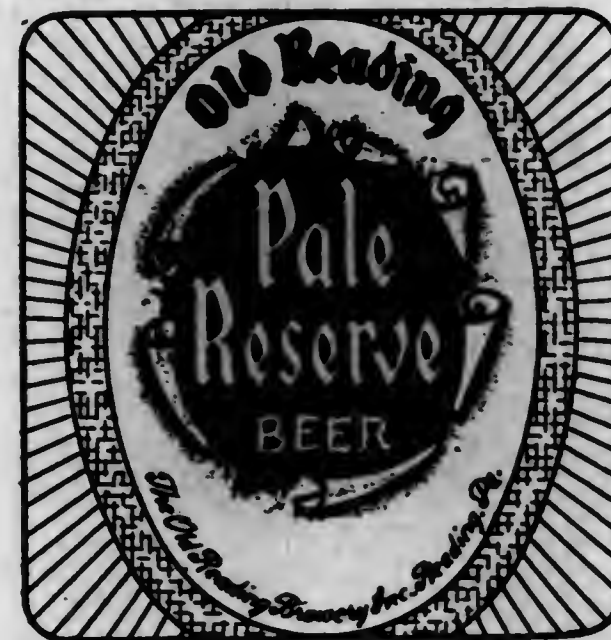
MUFFNQUICK

Applicant is the owner of trade-mark registrations Nos. 257,723, 295,844, 295,848, and 303,250.
FOR PREPARED FLOUR MIX.
Claims use since June 26, 1945.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 463,302. THE OLD READING BREWERY INC., Reading, Pa. Filed Sept. 9, 1943. Under 10-year proviso as to "Reading."



The lining shown on the drawing between the concentric lines designates gold color to conform to the specimens submitted. Otherwise no claim is made to any particular color or combinations of colors. The words "Beer", "Reading, Pa.", "Pale Reserve", and "Brewery Inc." are disclaimed apart from the mark as shown.

FOR BEER.
Claims use since Apr. 13, 1940 for mark as shown and since 1886 for the word "Reading".

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 483,072. LE SAGE COMPANY, Dallas, Tex. Filed May 7, 1945.

OLD KICKAPOO

No claim is made to the word "Old" apart from the mark as shown.
FOR WHISKEY.
Claims use since Mar. 8, 1945.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 478,391. CECIL M. JACKSON, Pacific Palisades, Calif. Filed Jan. 8, 1945.

Tru-Craft

FOR FIGURINES FORMED OF LEAD OR BAKELITE.
Claims use since Feb. 15, 1943.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

SEPTEMBER 11, 1945

416,394. VARNISH, STAINS, FILLERS, LACQUERS, ETC. 20TH CENTURY CHEMICAL COMPANY, Camden, N. J.

Filed June 7, 1940. Serial No. 432,802. PUBLISHED NOVEMBER 25, 1941. Class 16.

416,395. BELLOWS OF METAL. COOK ELECTRIC COMPANY, Chicago, Ill.

Filed December 7, 1942. Serial No. 457,238. PUBLISHED JUNE 26, 1945. Class 13.

416,396. CHEESE. SCHROEDER BROS., INC., New York, N. Y.

Filed February 11, 1943. Serial No. 458,486. PUBLISHED JULY 3, 1945. Class 46.

416,397. ALGIN PRODUCT SOLD DIRECT IN BULK TO MANUFACTURERS AND TO JOBBERS FOR RESALE TO MANUFACTURERS, ETC. KELCO COMPANY, San Diego, Calif.

Filed July 26, 1943. Serial No. 462,315. PUBLISHED JULY 3, 1945. Class 46.

416,398. RELIGIOUS AND GIFT STATUES, STATUETTES, ARTIFICIAL FLOWERS, WALL PLACQUES, FIGURINES AND LIKE NOVELTIES FOR CHURCH AND HOME DECORATION: JOHN B. CUNEO, Brooklyn, N. Y.

Filed November 19, 1943. Serial No. 465,129. PUBLISHED APRIL 25, 1944. Class 50.

416,399. PROPELLER DRIVEN AIRCRAFT, PROPELLER DRIVEN AIRPLANES, GLIDERS, HELICOPTERS, JET PROPELLED AIRCRAFT, ROCKET PROPELLED AIRCRAFT, AIRCRAFT FUSELAGES, WINGS, STABILIZERS, ELEVATORS, TAILS, FINS, RUDDERS, FLAPS, AILERONS, AND LANDING GEARS. ADOLPH N. SUTRO, Los Angeles, Calif.

Filed March 31, 1944. Serial No. 468,907. PUBLISHED JULY 3, 1945. Class 19.

416,390. COMPACTS MADE OF PLASTICS AND/OR BASE METAL AND SOLD IN THE TRADE EMPTY. ALLIED PLASTICS COMPANY, Los Angeles, Calif.

Filed May 9, 1944. Serial No. 470,062. PUBLISHED JULY 3, 1945. Class 2.

416,391. COMPACTS MADE OF PLASTICS AND/OR BASE METAL AND SOLD IN THE TRADE EMPTY. ALLIED PLASTICS COMPANY, Los Angeles, Calif.

Filed May 9, 1944. Serial No. 470,063. PUBLISHED JULY 3, 1945. Class 2.

416,392. ELECTRIC FURNACES. THE AJAX METAL COMPANY, Philadelphia, Pa.

Filed May 25, 1944. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 470,593. PUBLISHED JUNE 19, 1945. Class 21.

416,393. LEATHER GOODS—NAMESLY, BILLFOLDS, WALLETS, KEY CASES, PORTFOLIOS, EMPTY COMB AND EMPTY FILE CASES, PHOTOGRAPH CASES. BROWN & BIGELOW, St. Paul, Minn.

Filed June 7, 1944. Serial No. 470,958. PUBLISHED JULY 3, 1945. Class 3.

416,394. WALLETS, POCKETBOOKS, OVERNIGHT CASES, TOILET CASES, FITTED TRAVELING CASES AND HANDBAGS. NATIONAL SILVER COMPANY, New York, N. Y.

Filed September 7, 1944. Serial No. 473,951. PUBLISHED JULY 3, 1945. Class 3.

416,395. CANVAS PORTFOLIOS. CALLAWAY MILLS, La Grange, Ga.

Filed September 25, 1944. Serial No. 474,572. PUBLISHED JULY 3, 1945. Class 3.

416,396. ADHESIVES OF CELLULOSIC MATERIAL FOR GENERAL USE. CALLAWAY MILLS, La Grange, Ga.

Filed September 25, 1944. Serial No. 474,574. PUBLISHED JULY 3, 1945. Class 5.

416,397. ELECTRIC RELAYS, ELECTRIC FLASHERS, TIMING CONTROLS FOR ELECTRIC CIRCUITS, CURRENT LOAD LIMITERS, ELECTRIC SWITCHES, ELECTRIC SOCKETS, ELECTRIC RECEPTACLES, ELECTRIC CONNECTION BOXES. BETTS & BETTS CORPORATION, New York, N. Y.

Filed September 27, 1944. Serial No. 474,649. PUBLISHED JULY 3, 1945. Class 21.

416,398. TRAILERS. MARTIN MACHINE COMPANY, Kewanee, Ill.

Filed October 10, 1944. Serial No. 475,154. PUBLISHED JULY 3, 1945. Class 19.

416,399. FILTERS FOR THE PURIFICATION OF FUEL SUCH AS FUEL OIL, SEWER GAS, KEROSENE AND OTHER REFINERY BY-PRODUCTS AND USED AS ACCESSORIES TO ENGINES AND MACHINES MAKING USE OF SUCH FILTERED PRODUCTS. PUROLATOR PRODUCTS, INC., Newark, N. J.

Filed October 14, 1944. Serial No. 475,335. PUBLISHED JULY 3, 1945. Class 23.

416,400. FRIED READY-TO-SERVE NOODLES. BREYER ICE CREAM COMPANY, INC., New York, N. Y.

Filed November 11, 1944. Serial No. 476,357. PUBLISHED JULY 3, 1945. Class 46.

416,401. MOLDED PACKING COMPOSED OF ASBESTOS AND A BONDING COMPOUND FOR MECHANICAL EQUIPMENT INCLUDING RODS, SHAFTS, PLUNGERS AND VALVE STEMS. JOHNS-MANVILLE CORPORATION, New York, N. Y.

Filed November 16, 1944. Serial No. 476,516. PUBLISHED JULY 3, 1945. Class 35.

416,402. CARDIOGRAPHS. G. & G. PRECISION WORKS, INC., New York and Long Island City, N. Y.

Filed November 20, 1944. Serial No. 476,671. PUBLISHED JULY 3, 1945. Class 44.

416,403. COLD CATHODE LIGHTING TUBES FOR ILLUMINATING PURPOSES. SPOTT ELECTRICAL CO., Oakland, Calif.

Filed November 20, 1944. Serial No. 476,702. PUBLISHED JULY 3, 1945. Class 21.

416,404. DIAL INDICATORS FOR PRECISION LINEAR MEASUREMENTS. STANDARD GAGE COMPANY, INC., Poughkeepsie, N. Y.

Filed November 28, 1944. Serial No. 476,992. PUBLISHED JULY 3, 1945. Class 26.

416,405. HOME PERMANENT WAVING KIT CONSISTING OF CURLERS, COLD WAVE WAVING LOTION AND NEUTRALIZER POWDER USED IN PERMANENT WAVING OF THE HAIR. TONI, INC., St. Paul, Minn.

Filed December 6, 1944. Serial No. 477,286. PUBLISHED JULY 3, 1945. Class 50.

416,406. WRENCHES AND TWISTING TOOL SETS FOR NUT, STUD, AND BOLT DRIVING. BLACKHAWK MFG. CO., West Allis, Wis.

Filed December 9, 1944. Serial No. 477,349. PUBLISHED JULY 3, 1945. Class 23.

- 416,407. SENSITIZED PHOTOGRAPHIC FILM. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Filed December 13, 1944. Serial No. 477,497. PUBLISHED JULY 3, 1945. Class 26.
- 416,408. PROPORTIONING PUMPS, PARTS THEREOF, AND BASES THEREFOR. PROPORTIONEERS, INC., Providence, R. I. Filed January 8, 1945. Serial No. 478,407. PUBLISHED JULY 3, 1945. Class 23.
- 416,409. SENSITIZED PHOTOGRAPHIC PAPERS AND CLOTHS TO MAKE ENGINEERING REPRODUCTIONS. KEUFFEL & ESSER COMPANY, Hoboken, N. J. Filed January 17, 1945. Serial No. 478,712. PUBLISHED JULY 3, 1945. Class 26.
- 416,410. CUTLERY—NAMELY, KITCHEN AND TABLE KNIVES OF NON-PRECIOUS METALS. LANDERS, FRARY & CLARK, New Britain, Conn. Filed January 26, 1945. Serial No. 479,041. PUBLISHED JULY 3, 1945. Class 23.
- 416,411. WOMEN'S READY-TO-WEAR SUITS, COATS, AND JACKETS. JACK L. GOLDBERG, Los Angeles, Calif. Filed January 29, 1945. Serial No. 479,119. PUBLISHED JUNE 12, 1945. Class 39.
- 416,412. SQUEEGEE OR SPONGE RUBBER TYPES OF MOPS. W. E. KAUTENBERG COMPANY, doing business as Cell-U-Mop Co., Freeport, Ill. Filed January 29, 1945. Serial No. 479,131. PUBLISHED JUNE 26, 1945. Class 29.
- 416,413. ELECTRODE HOLDERS FOR WELDING AND CUTTING METALS. AIR REDUCTION SALES COMPANY, New York, N. Y. Filed February 2, 1945. Serial No. 479,322. PUBLISHED JULY 3, 1945. Class 21.
- 416,414. ELECTRICAL RELAYS ENCASED WITH ENVELOPES CONTAINING A NORMAL OR CONTROLLED ATMOSPHERE. WESTON ELECTRICAL INSTRUMENT CORPORATION, Newark, N. J. Filed February 1, 1945. Serial No. 479,319. PUBLISHED JULY 3, 1945. Class 21.
- 416,415. ELECTRICALLY DRIVEN FANS OF THE CIRCULATOR TYPE—NAMELY, DESK, WALL, CEILING, AND PEDESTAL FANS. TEXFAN COMPANY, Houston, Tex. Filed February 7, 1945. Serial No. 479,540. PUBLISHED JULY 3, 1945. Class 21.
- 416,416. ELECTRIC HAIR DRIERS, PERMANENT HAIR WAVING MACHINES AND ACCESSORIES—NAMELY, PERMANENT WAVING HAIR CURLERS, CLAMPS, SMOOTHING PINS AND PADS. EUGENE, LTD., Brooklyn, N. Y. Filed February 8, 1945. Serial No. 479,562. PUBLISHED JULY 3, 1945. Class 44.
- 416,417. LAMPS CONTAINING LIQUID WHICH WHEN BURNED CREATES A DEODORIZING EFFECT. RUBICON, doing business as The Antique Shoppe, New York, N. Y. Filed February 8, 1945. Serial No. 479,601. PUBLISHED JUNE 26, 1945. Class 50.
- 416,418. CAKE DECORATOR SETS. B. T. BABBITT, INC., Albany and New York, N. Y. Filed February 9, 1945. Serial No. 479,611. PUBLISHED JULY 3, 1945. Class 23.
- 416,419. PLIERS, NIPPERS, AND HAND VISES. HAMMEL, RIGLANDER & CO. INC., New York, N. Y. Filed February 16, 1945. Serial No. 479,873. PUBLISHED JULY 3, 1945. Class 23.
- 416,420. METAL TANKS. BROWN STEEL TANK COMPANY, Minneapolis, Minn. Filed February 22, 1945. Serial No. 480,102. PUBLISHED JULY 3, 1945. Class 2.

- 416,421. METAL TANKS. BROWN STEEL TANK COMPANY, Minneapolis, Minn. Filed February 22, 1945. Serial No. 480,103. PUBLISHED JULY 3, 1945. Class 2.
- 416,422. ABRADING, GRINDING, AND LAPPING MACHINES FOR ABRADING, GRINDING, AND LAPPING CYLINDRICAL SURFACES, CURVED SURFACES, PLANE SURFACES, AND THE LIKE, AND ATTACHMENTS THEREFOR NOT INCLUDING ABRADING ELEMENTS. NORTON COMPANY, Worcester, Mass. Filed February 27, 1945. Serial No. 480,296. PUBLISHED JULY 3, 1945. Class 23.
- 416,423. LIQUID PREPARATION TO BE INCORPORATED WITH OR APPLIED TO CEMENT AND CONCRETE FOR THE PURPOSE OF CONTROLLING AND ACCELERATING ITS SETTING, INCREASING ITS HARDNESS, TENSILE STRENGTH AND DURABILITY, RENDERING THE RESULTING PRODUCT IMPERVIOUS TO WATER AND PREVENTING ITS FREEZING DURING WINTER CONSTRUCTION. L. SONNEBORN SONS, INC., New York, N. Y. Filed March 3, 1945. Serial No. 480,476. PUBLISHED JULY 3, 1945. Class 12.
- 416,424. WATER SOFTENERS AND FILTERS OF THE CHEMICAL CONTAINER TYPE SET IN A PLUMBING LINE. BRUNER CORPORATION, Milwaukee, Wis. Filed March 5, 1945. Serial No. 480,501. PUBLISHED JULY 3, 1945. Class 13.
- 416,425. BASE PREPARATION FOR CAKE ICING. H. GORDON MACMUNN, doing business as Icet Company, Newark, N. J. Filed March 6, 1945. Serial No. 480,545. PUBLISHED JULY 3, 1945. Class 46.
- 416,426. PHOTOGRAPHIC CAMERAS. THE FOLMER GRAFLEX CORPORATION, Rochester, N. Y., now by change of name Grafex, Inc. Filed March 17, 1945. Serial No. 481,016. PUBLISHED JULY 3, 1945. Class 26.
- 416,427. BERRY PRESERVES, JELLIES, AND MARMALADES. DIAMOND T PRESERVING CO., Los Angeles, Calif. Filed March 22, 1945. Serial No. 481,179. PUBLISHED JULY 3, 1945. Class 46.
- 416,428. UPHOLSTERED LIVING ROOM FURNITURE. KROEHLER MFG. CO., Naperville, Ill. Filed March 22, 1945. Serial No. 481,187. PUBLISHED JULY 3, 1945. Class 32.
- 416,429. PHOTOGRAPHIC EQUIPMENT AND/OR PHOTOGRAPHIC ACCESSORIES AND/OR PHOTOGRAPHIC SUPPLIES ALL PERTAINING TO PHOTOGRAPHIC CAMERAS GENERALLY, ON WHICH APPLICANT CLAIMS CONTINUOUS USE IN INTERSTATE COMMERCE SINCE THE DATES SET FOLLOWING EACH ITEMIZED ARTICLE RESPECTIVELY: PLATE HOLDERS, 1896; LENS BOARDS, 1896; CAMERA-AND-EQUIPMENT CARRYING CASES, 1897; SHUTTERS, 1897; VIEW FINDERS, 1912; FILM HOLDERS, 1919; FILM PACK ADAPTERS, 1939; INTERCHANGEABLE CAMERA BACKS, 1939; LENS SHADES, 1941; AND TILTING TRIPOD HEADS, 1941. THE FOLMER GRAFLEX CORPORATION, Rochester, N. Y., now by change of name Grafex, Inc. Filed March 23, 1945. Serial No. 481,219. PUBLISHED JUNE 5, 1945. Class 26.
- 416,430. FRESH VEGETABLES. HOLMES B. TABB, doing business as H. E. Tabb Co., Oceano, Calif. Filed March 27, 1945. Serial No. 481,387. PUBLISHED JULY 3, 1945. Class 46.

- 416,431. WATERPROOF ADHESIVE CEMENTS. CORK IMPORT CORPORATION, New York, N. Y. Filed March 30, 1945. Serial No. 481,522. PUBLISHED JULY 3, 1945. Class 5.
- 416,432. PHOTOGRAPHIC CAMERAS. THE FOLMER GRAFLEX CORPORATION, Rochester, N. Y., now by change of name Grafex, Inc. Filed March 31, 1945. Serial No. 481,577. PUBLISHED JUNE 5, 1945. Class 26.
- 416,433. VIOLIN, VIOLA, CELLO, GUITAR, BASS, AND HARP STRINGS. SCHERL & ROTH, INC., Cleveland, Ohio. Filed April 3, 1945. Serial No. 481,678. PUBLISHED JULY 3, 1945. Class 36.
- 416,434. MASTIC COMPOUND FOR CAULKING, POINTING, AND LIKE PURPOSES. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio. Filed April 5, 1945. Serial No. 481,763. PUBLISHED JULY 3, 1945. Class 12.
- 416,435. SANITARY PADS AND NAPKINS. HUGH F. COOK, doing business as Accreylon Company, New York, N. Y. Filed April 7, 1945. Serial No. 481,836. PUBLISHED JULY 3, 1945. Class 44.

- 416,436. SENSITIZED PHOTOGRAPHIC FILM. THE DI-NOC COMPANY, Cleveland, Ohio. Filed April 9, 1945. Serial No. 481,888. PUBLISHED JULY 3, 1945. Class 26.
- 416,437. VANITY CASES, COMPACTS, AND LIPSTICK HOLDERS, MADE OF BASE METALS AND PLASTICS AND SOLD IN TRADE EMPTY. LES PARFUMS DE DANA, INC., New York, N. Y. Filed April 14, 1945. Serial No. 482,162. PUBLISHED JULY 3, 1945. Class 2.
- 416,438. TRANSFORMERS, BALLASTS, REACTORS, CHOKES, MAGNETIC COILS, AND VOLTAGE REGULATORS. TRANSFORMER ENGINEERING CORPORATION, Cleveland, Ohio. Filed April 18, 1945. Serial No. 482,303. PUBLISHED JULY 3, 1945. Class 21.
- 416,439. ELECTRONIC INDUCTANCES. RADIO TELEVISION PRODUCTS CORPORATION, Grass Lake, Mich. Filed April 19, 1945. Serial No. 482,347. PUBLISHED JULY 3, 1945. Class 21.
- 416,440. CANNED MUSHROOMS. CONCORD FOODS, INC., Concordville, Pa. Filed April 27, 1945. Serial No. 482,671. PUBLISHED JULY 3, 1945. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

- 416,441. (CLASS 39. CLOTHING.) FLORENCE C. BARNARD, St. Paul, Minn. Filed Apr. 28, 1941. Serial No. 443,036.

KUMFORTSHORTS

FOR LADIES' AND MISSES' CLOSE-FITTING UNDERGARMENTS DESIGNED FOR WEAR OVER PANTIES AND BLOOMERS FOR ADDED WARMTH. Claims use since Jan. 21, 1941.

- 416,442. (CLASS 12. CONSTRUCTION MATERIALS.) UNITED GILSONITE LABORATORIES, Scranton, Pa. Filed Mar. 27, 1943. Serial No. 459,451.



FOR PATCHING PLASTER FOR PATCHING CRACKS AND BREAKS IN PLASTER. Claims use since Sept. 1, 1932.

- 416,443. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ARTHUR WEIS, doing business as Artag Engineering Works, Chicago, Ill. Filed June 7, 1943. Serial No. 461,213.



FOR BRACKET CLAMPS TO HOLD TWO OR MORE CANS IN FIXED RELATION TO FACILITATE SERVING FROM CANS IN A CABINET OR THE LIKE. Claims use since May 19, 1942.

- 416,444. (CLASS 17. TOBACCO PRODUCTS.) JOSE MARIA FERNANDEZ CASTILLO, Habana, Cuba. Filed Dec. 29, 1943. Serial No. 466,147.



FOR CIGARS. Claims use since Sept. 26, 1932.

416,445. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BERNARD McBRADY, doing business as J. E. McBrady, Chicago, Ill. Filed Jan. 10, 1944. Serial No. 466,452.

McBRADY'S HAIR SLICKER

FOR PREPARATION FOR DRESSING AND COLORING THE HAIR.

Claims use since Jan. 13, 1927, on the words "Hair Slicker" and since January 1904 on the word "McBrady's."

416,446. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) THE EMMS COMPANY, New York, N. Y. Filed Jan. 19, 1944. Serial No. 466,693.

"America's Best"

FOR TOBACCO POUCHES AND PIPES.
Claims use since June 1942.

416,447. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOLAR AIR-CRAFT COMPANY, San Diego, Calif. Filed Apr. 12, 1944. Serial No. 469,286.

SOLAR

FOR WELDING FLUXES.
Claims use since July 21, 1943.

416,448. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE T. V. L. Co., also doing business as The Tone-Up Co., Pasadena, Calif. Filed May 26, 1944. Serial No. 470,689.

TON-UP!

FOR VITAMIN AND MINERAL FOOD SUPPLEMENT FOR ANIMALS.
Claims use since May 19, 1944.

416,449. (CLASS 17. TOBACCO PRODUCTS.) PANDORA Tobacco Co., Inc., Philadelphia, Pa. Filed June 21, 1944. Serial No. 471,485.

ARDOVA

FOR CIGARS.
Claims use since March 13, 1944.

416,450. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GALLEN LABORATORIES, Pittsburgh, Pa. Filed June 30, 1944. Serial No. 471,832.

BRA-CHAFE

FOR BODY DUSTING POWDER.
Claims use since June 15, 1944.

416,451. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) VAN DELL CO., Providence, R. I. Filed July 12, 1944. Serial No. 472,166.

Van Dell

FOR LADIES' JEWELRY—NAMESLY, BROOCHES, BRACELETS NOT INCLUDING WATCHES, EARRINGS, CAMEOS, AND PENDANTS.
Claims use since Jan. 1, 1939.

416,452. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MORRIS E. ELLIOTT, doing business as Elliott Drugs, Connorsville, Ind. Filed July 13, 1944. Serial No. 472,190.

"MIX"

FOR COUGH MEDICINE.
Claims use since July 1, 1934.

416,453. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANDERSON-STOLZ PHARMACEUTICALS, INC., Kansas City, Mo. Filed July 21, 1944. Serial No. 472,443.

AERO-KLENZ

FOR PREPARATION FOR USE AS A DEODORANT PARTICULARLY TO DEODORIZE AIR IN ROOMS.
Claims use since July 10, 1944.

416,454. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KING CHEMICAL COMPANY, Inc., Topeka, Kans. Filed July 26, 1944. Serial No. 472,643.



FOR LIQUID CHEMICAL COMPOUND USED AS A FLAME-REPELLANT AND WOOD PRESERVATIVE.
Claims use since May 1, 1944.

416,455. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BONWIT-TELLER, Inc., New York, N. Y. Filed Aug. 8, 1944. Serial No. 473,054.

TAWNY

FOR PERFUMES.
Claims use since June 14, 1944.

416,456. (CLASS 37. PAPER AND STATIONERY.) PATERSON PARCHMENT PAPER COMPANY, Bristol, Pa., now by change of name The Paterson Parchment Paper Company, a corporation of Pennsylvania. Filed Aug. 19, 1944. Serial No. 473,458.

"Hi-Wet Strength"

FOR VEGETABLE PARCHMENT AND KRAFT PAPER FOR WRAPPING AND PACKING PURPOSES.
Claims use since Jan. 24, 1944.

416,457. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) WOODBRIDGE SANITARY POTTERY CORPORATION, Woodbridge, N. J., assignor to Nancy China, Inc., Chicago, Ill., a corporation of Delaware. Filed September 21, 1944. Serial No. 474,467.

Nancy China

FOR CERAMIC STATUARY AND FIGURINES.
Claims use since May 25, 1945.

416,458. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) STANI MARS, Jamaica, N. Y. Filed Oct. 27, 1944. Serial No. 475,766.

Mars of the St. Regis

FOR KITS CONTAINING HAIR CURLING LOTIONS, PAPER AND WOOD CURLERS AND COVERS.
Claims use since Aug. 10, 1943.

416,459. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ELECTRIC STEEL FOUNDRY, Portland, Ore. Filed Dec. 7, 1944. Serial No. 477,291.

BARDON

FOR HOOKS—NAMESLY, SO-CALLED "BUTT" AND "CHOKER" HOOKS, ADAPTED DETACHABLY TO ENGAGE THE ENLARGED OR FERRULED ENDS OF CABLES OR OTHER LINES.
Claims use since March 1926.

416,460. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVIS & LAWRENCE COMPANY, Dobbs Ferry, N. Y. Filed Dec. 11, 1944. Serial No. 477,408.



FOR WITCH HAZEL AND MENTHOL PLASTERS USED IN THE TREATMENT OF RHEUMATIC AND NEURALGIC PAINS, MUSCULAR CRAMPS, STRAINS AND SPRAINS, LUMBAGO AND SCIATICA.
Claims use since 1905.

416,461. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) WALTER LAMPL, New York, N. Y. Filed Dec. 20, 1944. Serial No. 477,769.



FOR JEWELRY—NAMESLY, FINGER RINGS, WRIST AND ANKLE BRACELETS, EARRINGS, LAPEL PINS, NECKLACES, LAVELLIERES, LOCKETS, CHARMS, WATCH CHAINS, NOT INCLUDING WATCHES, DRESS CLIPS, AND DECORATIVE COMBS, HAIR ORNAMENTS, AND BARRETTES, ALL ORNAMENTED WITH PRECIOUS AND SEMI-PRECIOUS METAL.
Claims use since June 21, 1921.

416,462. (CLASS 37. PAPER AND STATIONERY.) THE MOORE PEN COMPANY, doing business as Ward's, Boston, Mass. Filed January 19, 1945. Serial No. 478,787.

BOSTONIAN

FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since 1932.

416,463. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TOM HUSTON, doing business as Quick Stick Laboratories, Miami, Fla. Filed Jan. 29, 1945. Serial No. 479,128.

Quick Stick

FOR PREPARATION FOR THE RELIEF OF ACID INDIGESTION AND OTHER SIMPLE STOMACH DISORDERS.

Claims use since June 15, 1944.

416,464. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) JEROME RICHHEIMER, New York, N. Y. Filed Feb. 3, 1945. Serial No. 479,402.

GEMS OF THE MODE

FOR DIAMONDS, PEARLS, PRECIOUS AND SEMI-PRECIOUS STONES AND COSTUME JEWELRY—NAMES, RINGS, NECKLACES, BRACELETS, NOT INCLUDING WATCHES, BROOCHES, CLIPS, PINS, AND EARRINGS.

Claims use since 1929.

416,465. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PICKER X-RAY CORPORATION, New York, N. Y. Filed Mar. 27, 1945. Serial No. 481,379.

CLEAR MIX

FOR DEVELOPER FOR X-RAY FILMS.

Claims use since November 1942.

TRADE-MARK REGISTRATIONS RENEWED

27,192. "COLUMBIA" AND DRAWING. BICYCLES AND THEIR PARTS. Registered Nov. 5, 1895. POPP MANUFACTURING COMPANY, Hartford, Conn. Re-renewed Nov. 5, 1945, to The Westfield Manufacturing Company, Westfield, Mass., a corporation of Massachusetts, assignee by mesne assignments. Class 19.

27,326. "GL" AND DRAWING. FLAVORING EXTRACTS, PERFUMES, ESSENTIAL OILS, OLIVE OILS, VANILLAS, AND OTHER PERFUMERS' RAW MATERIALS. Registered Nov. 26, 1895. GEORGE LUNDERS, Re-renewed Nov. 26, 1945, to George Lunders & Co., New York, N. Y., a corporation of New York, assignee. Classes 6 and 46.

44,395. THE LADIES' HOME JOURNAL. MONTHLY MAGAZINE DEVOTED EXCLUSIVELY TO WOMEN'S INTERESTS. Registered July 4, 1905. THE CURTIS PUBLISHING COMPANY, Camden, N. J., and Philadelphia, Pa. Re-renewed July 4, 1945, to The Curtis Publishing Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee. Class 38.

44,432. REPRESENTATION OF BUST OF BENJAMIN FRANKLIN. ILLUSTRATED WEEKLY MAGAZINE OF GENERAL INTEREST. Registered July 4, 1905. THE CURTIS PUBLISHING COMPANY, Camden, N. J., and Philadelphia, Pa. Re-renewed July 4, 1945, to The Curtis Publishing Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee. Class 38.

416,466. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ACME WIRE & IRON WORKS, San Antonio, Tex. Filed Apr. 10, 1945. Serial No. 481,934.

INGRAM

FOR EXCAVATING AND MATERIAL HANDLING EQUIPMENT—NAMES, DRAGLINES, CRANES, POWER SHOVELS.

Claims use since May 12, 1944.

416,467. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM H. SINGLEY, Highland Park, Mich. Filed May 29, 1945. Serial No. 483,936.

SINGLEY'S

FOR GERMICIDAL AND FUNGICIDAL SOLUTION AND SCALP AND HAIR AID.

Claims use since 1938.

416,468. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JERRY ROSSMAN CORPORATION, New York, N. Y. Filed July 13, 1945. Serial No. 485,795.

ROSSMAN fabric

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, WOOL, WORSTED, PROTEIN FIBRES, AND MIXTURES THEREOF.

Claims use since Jan. 2, 1945.

44,433. THE SATURDAY EVENING POST. ILLUSTRATED WEEKLY MAGAZINE OF GENERAL INTEREST. Registered July 4, 1905. THE CURTIS PUBLISHING COMPANY, Camden, N. J., and Philadelphia, Pa. Re-renewed July 4, 1945, to The Curtis Publishing Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee. Class 38.

45,489. SINKER. NAILS PROVIDED WITH A NON-METALLIC COATING. Registered Aug. 22, 1905. J. C. PEARSON Co., Boston, Mass. Re-renewed Aug. 22, 1945, to The American Steel and Wire Company of New Jersey, Cleveland, Ohio, a corporation of New Jersey, assignee. Class 13.

45,537. "LION" AND DRAWING. YARNS, WOOLEN THREADS, SHETLAND FLOSS, GERMAN KNITTED WORSTED, AND SPANISH YARNS. Registered Aug. 22, 1905. CALHOUN, ROBBINS & Co. Re-renewed Aug. 22, 1945, to Lion Brand Yarn Company, New York, N. Y., a firm, successor. Class 43.

45,664. ELASTICGLOSS. THINNERS AND COLORS. Registered Aug. 29, 1905. CHARLES A. WILLEY, New York, N. Y. Re-renewed Aug. 29, 1945, to C. A. Willey Company, Long Island City, N. Y., a corporation of New York, assignee. Class 16.

45,676. L. G. LEAF-TOBACCO. Registered Aug. 29, 1905. W. T. GRANT & Co. Re-renewed Aug. 29, 1945, to The Tobacco Rehandling Co. Limited Inc., Louisville, Ky., a corporation of Kentucky, assignee by mesne assignments. Class 17.

45,703. G. M. LEAF-TOBACCO. Registered Aug. 29, 1905. W. T. GRANT & Co. Re-renewed Aug. 29, 1945, to The Tobacco Rehandling Co. Limited Inc., Louisville, Ky., a corporation of Kentucky, assignee by mesne assignments. Class 17.

45,794. SUGCUS ALTERANS. MEDICINAL PREPARATION FOR THE CURE OF DISEASES OF THE BLOOD AND SKIN. Registered Aug. 29, 1905. THE ELI LILLY & COMPANY. Re-renewed Aug. 29, 1945, to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana, assignee. Class 6.

45,831. PRESERVO. COMPOUND FOR WATERPROOFING AND WEATHERPROOFING COTTON DUCK. Registered Aug. 29, 1905. WILLIAM BENJAMIN ROBESON. Re-renewed Aug. 29, 1945, to Robeson Preservo Company, Port Huron, Mich., a corporation of Michigan, assignee. Class 6.

45,864. "DOAN'S BACK-ACHE KIDNEY PILLS" AND DRAWING. A SPECIFIC FOR THE CURE OF KIDNEY AND ANALOGOUS COMPLAINTS. Registered Aug. 29, 1905. FOSTER MILBURN Co. Re-renewed Aug. 29, 1945, to Foster-McClellan Company, Buffalo, N. Y., a corporation of New York, assignee. Class 6.

46,028. GOOD HOUSEKEEPING. PERIODICALS. Registered Sept. 5, 1905. GOOD HOUSEKEEPING Co. Re-renewed Sept. 5, 1945, to Hearst Magazines Inc., New York, N. Y., a corporation of Delaware, by merger. Class 38.

46,619. "REX" AND DRAWING. COFFEE. Registered Sept. 26, 1905. HULMAN & Co. Re-renewed Sept. 26, 1945, to Hulman & Company, Terre Haute, Ind., a corporation of Indiana, assignee. Class 46.

47,177. "HAMMER HANDLE" AND DRAWING. ADJUSTABLE SCREW-WRENCHES. Registered Oct. 31, 1905. COBS WRENCH Co., Worcester, Mass. Re-renewed Oct. 31, 1945, to The Billings & Spencer Company, Hartford, Conn., a corporation of Connecticut, assignee by mesne assignments. Class 28.

47,178. "91" AND REPRESENTATION OF A STAR. ADJUSTABLE SCREW-WRENCHES. Registered Oct. 31, 1905. COBS WRENCH Co., Worcester, Mass. Re-renewed Oct. 31, 1945, to The Billings & Spencer Company, Hartford, Conn., a corporation of Connecticut, assignee by mesne assignments. Class 23.

47,486. "PEYCHAUD'S AMERICAN" ETC. AND DRAWING. BITTER CORDIAL. Registered Nov. 7, 1905. LOUIS E. JUNG, New Orleans, La. Re-renewed Nov. 7, 1945, to L. E. Jung & Wulff Co. Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 49.

47,605. "JAS. E. PEPPER & CO." ETC. AND DRAWING. WHISKY. Registered Nov. 14, 1905. JAS. E. PEPPER & Co., Lexington, Ky. Re-renewed Nov. 14, 1945, to Jas. E. Pepper & Company, Louisville, Ky. and New York, N. Y., a corporation of Kentucky, successor. Class 49.

47,849. SEARCHLIGHT. COATS, PANTS, OVERALLS, AND BLOUSES. Registered Nov. 28, 1905. LARNED, CARTER AND Co., Detroit, Mich. Re-renewed Nov. 28, 1945, to The Crown Overall Mfg. Company, Cincinnati, Ohio, a corporation of Ohio, assignee. Class 39.

47,939. ANTIKAMNIA. REMEDY FOR PAIN AND FEVER, HEADACHE, NEURALGIA, DYSMENORRHEA, RHEUMATISM, AND ANALOGOUS DISEASES. Registered Nov. 28, 1905. THE ANTIKAMNIA CHEMICAL COMPANY, St. Louis, Mo. Re-renewed Nov. 28, 1945, to Lafayette Drug Co., Inc., Jersey City, N. J., a corporation of New Jersey, assignee by mesne assignments. Class 6.

47,968. "CHURN" AND DRAWING. COOKING-SODA. Registered Nov. 28, 1905. HULMAN & Co. Re-renewed Nov. 28, 1945, to Hulman & Company, Terre Haute, Ind., a corporation of Indiana, assignee. Class 6.

47,974. "DOR" AND "A" IN A MONOGRAM. CLOTH FABRICS FOR SUITINGS FOR MEN AND BOYS. Registered Nov. 28, 1905. THOS. OAKES & Co. Re-renewed Nov. 28, 1945, to Thomas Oakes & Co., Inc., Bloomfield, N. J., a corporation of New Jersey, assignee. Class 42.

48,013. "MISTLETOE" AND DRAWING. GIN. Registered Dec. 5, 1905. NATIONAL DISTILLING Co., Milwaukee, Wis. Re-renewed Dec. 5, 1945, to Philip Blum and Company, Inc., Chicago, Ill., a corporation of Illinois, assignee by mesne assignments. Class 49.

48,042. REPRESENTATION OF AN OCTAGON. KNITTED UNDERWEAR. Registered Dec. 5, 1905. GLASTONBURY KNITTING COMPANY, Addison, Conn. Re-renewed Dec. 5, 1945, to Wright's Underwear Company, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 39.

197,023. CORDO-CRAFT. GARTERS, BELTS FOR PERSONAL WEAR, SUSPENDERS, GARMENT SUPPORTERS, SHOE STRAPS, AND SLEEVE SUPPORTERS. Registered Apr. 7, 1925. CORDO-HYDE COMPANY. Re-renewed Apr. 7, 1945, to Cordo-Hyde Company, Brockton, Mass., a corporation of Massachusetts, assignee. Class 39.

198,667. PARKER DUOFOLD. MECHANICAL PENCILS AND FOUNTAIN PENS. Registered May 26, 1925. THE PARKER PEN COMPANY, Janesville, Wis., a corporation of Wisconsin. Renewed May 26, 1945. Class 37.

200,429. "TUBERCULENE" AND DRAWING. MEDICINE TO BE USED IN THE TREATMENT OF FUNCTIONAL DISORDERS OF THE LUNGS AND AILMENTS ARISING FROM COUGHS AND COLDS. Registered June 30, 1925. ANNIE ELIZABETH MURMANN, Danville, Ill. Renewed June 30, 1945. Class 6.

200,915. "MICOL" AND DESIGN. EMULSION OF A SOLVENT EMPLOYED IN TANNING. Registered July 14, 1925. MANUFACTURING IMPROVEMENT CORPORATION, Boston, Mass., a corporation of Massachusetts. Renewed July 14, 1945. Class 6.

201,494. STRONGHEART. BEDSPREADS AND HANDKERCHIEFS. Registered July 28, 1925. THE SPERRY & HUTCHINSON COMPANY, New York, N. Y., a corporation of New Jersey. Renewed July 28, 1945. Classes 39 and 42.

201,526. DUNDEE MILLS. COTTON GOODS IN PIECE FORM. Registered July 28, 1925. THE GEORGIA-KINCAD MILLS. Renewed July 28, 1945, to Dundee Mills, Incorporated, Griffin, Ga., a corporation of Georgia, by change of name. Class 42.

202,451. RUF N TUF. BUTCHER KNIVES, PABING KNIVES, POCKETKNIVES, HUNTING KNIVES, RAZORS, AND SHEARS. Registered Aug. 25, 1925. UNION CUTLERY Co., Inc., Olean, N. Y., a corporation of New York. Renewed Aug. 25, 1945. Class 23.

203,063. GREAT STUFF. SOAP. Registered Sept. 8, 1925. GREAT STUFF PRODUCTS COMPANY. Renewed Sept. 8, 1945, to Chris W. Lee, doing business as Great Stuff Products Company, Minneapolis, Minn., successor. Class 4.

203,227. "STERODENT" AND DESIGN. TOOTH PASTE. Registered Sept. 15, 1925. STERILE PRODUCTS Co. Re-renewed Sept. 15, 1945, to Sterile Products Co. Inc., San Diego, Calif., a corporation of California, assignee. Class 6.

203,254. GOLDEN WEST AND DRAWING. PREPARED MUSTARD, PICKLES, VINEGAR, OLIVES, AND CABBAGE AND PICKLE RELISHES. Registered Sept. 15, 1925. ALBERT SIEPMAN, doing business as The Southern Manufacturing Company, St. Louis, Mo. Renewed Sept. 15, 1945. Class 46.

203,741. **CELLECT.** FABRICS COMPOSED PARTLY OF CELLULOSE ACETATE FIBER AND PARTLY OF COTTON. Registered Sept. 22, 1925. BRITISH CELLULOSE LIMITED, London, England, a company incorporated in Great Britain. Renewed Sept. 22, 1945. Class 42.

203,951. **"MERICOS BRAND" ETC. AND DRAWING.** DATES, ONIONS, GRAPEFRUIT, GRAPES, LETTUCE, TOMATOES, AND ASPARAGUS; SAID FRUITS AND VEGETABLES BEING IN THE FRESH STATE. Registered Sept. 29, 1925. M. H. WHITTIER COMPANY. Renewed Sept. 29, 1945, to M. H. Whittier Co., Ltd., Los Angeles, Calif., a corporation of California, by change of name. Class 46.

204,065. **GOLDEN GOOSE.** CANNED VEGETABLES—NAMES, CANNED CORN. Registered Oct. 6, 1925. IOWA CANNING COMPANY, Vinton, Iowa, a corporation of Iowa. Renewed Oct. 6, 1945. Class 46.

204,155. **SUPREMAISE.** SALAD DRESSING. Registered Oct. 6, 1925. OTIS CLAPP & SON, INC., Boston, Mass., a corporation of Massachusetts. Renewed Oct. 6, 1945. Class 46.

204,227. **"EST. 1942" AND DRAWING.** SENSITIZED PHOTOGRAPHIC MATERIALS, PARTICULARLY FILM. Registered Oct. 13, 1925. ANSCO PHOTO PRODUCTS, INC., Binghamton, N. Y. Renewed Oct. 13, 1945, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 26.

204,425. **LOG CABIN.** COFFEE. Registered Oct. 20, 1925. THE WOOLSON SPICE COMPANY, Toledo, Ohio, a corporation of Ohio. Renewed Oct. 20, 1945. Class 46.

204,462. **WAR HORSE.** SMOKING TOBACCO, CIGARS, CIGARETTES, AND SNUFF. Registered Oct. 20, 1925. GALLAHER, LIMITED, Belfast, Ireland, a corporation of the United Kingdom. Renewed Oct. 20, 1945. Class 17.

204,634. **DANIEL BOONE.** GYPSUM AND LIME GYPSUM AND CEMENT PLASTER. Registered Oct. 20, 1925. SOUTHERN GYPSUM COMPANY, INCORPORATED, North Holston, Va. Renewed Oct. 20, 1945, to The Mathieson Alkali Works, New York, N. Y., a corporation of Virginia, assignee. Class 12.

204,690. **"PRO-PHY-LAC-TIC" ETC. AND DESIGN.** TOOTH-BRUSHES. Registered Oct. 20, 1925. PRO-PHY-LAC-TIC BRUSH COMPANY. Renewed Oct. 20, 1945, to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware, assignee. Class 29.

204,985. **POWER-LUBE.** LUBRICATING OILS AND LUBRICATING GREASES. Registered Oct. 27, 1925. THE DENVER POWERLINE COMPANY. Renewed Oct. 27, 1945, to The Powerline Company, Denver, Colo., a corporation of Colorado, by change of name. Class 15.

205,001. **FOOT-FREN.** LIQUID FOOT MEDICINE. Registered Oct. 27, 1925. HOMER E. JESSUP, Atlanta, Ga. Renewed Oct. 27, 1945, to Mark R. McGarry, St. Petersburg, Fla., successor. Class 6.

205,193. **"EBG" ETC. AND DESIGN.** LIQUID CHLORINE. Registered Nov. 3, 1925. ELECTRO BLEACHING GAS COMPANY. Renewed Nov. 3, 1945, to Niagara Alkali Company, New York, N. Y., a corporation of New York, assignee. Class 6.

205,194. **EBG.** LIQUID CHLORINE. Registered Nov. 3, 1925. ELECTRO BLEACHING GAS COMPANY. Renewed Nov. 3, 1945, to Niagara Alkali Company, New York, N. Y., a corporation of New York, assignee. Class 6.

205,233. **"G" AND DESIGN.** MINING MACHINERY—NAMES, COAL CUTTERS AND LOADING MACHINES AND PARTS THEREOF. Registered Nov. 3, 1925. GOODMAN MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Nov. 3, 1945. Class 23.

205,436. **VITRIC.** SALVE FOR THE TREATMENT OF SKIN DISEASE, SYPHILIS, RHEUMATISM, SORE THROAT, CANCER, BOILS, INFLUENZA, SWELLING PAINS, CHICKEN POX, MUMPS, AND DYSENTERY. Registered Nov. 10, 1925. MARY SLATER, Cleveland, Ohio. Renewed Nov. 10, 1945. Class 6.

205,507. **METAPHEN.** GERMICIDE OR ANTISEPTIC. Registered Nov. 10, 1925. ABBOTT LABORATORIES, Chicago, Ill. Renewed Nov. 10, 1945, to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois. Class 6.

205,606. **IRVO.** PASTRY SPICE. Registered Nov. 10, 1925. KNICKERBOCKER MILLS CO., New York, N. Y., a corporation of New York. Renewed Nov. 10, 1945. Class 46.

205,613. **"NIAGARA ALKALI COMPANY" AND DRAWING.** CAUSTIC POTASH, CAUSTIC SODA, BLEACHING POWDER, MONOCHLOROBENZOL, PARADICHLOROBENZOL, ORTHODICHLOROBENZOL, AND CHLORINE PRODUCTS USED FOR BLEACHING, SANITATION PURPOSES, DISINFECTING, STERILIZING, AND AS INSECTICIDES AND DEODORANTS. Registered Nov. 10, 1925. NIAGARA ALKALI COMPANY, Niagara Falls, N. Y. Renewed Nov. 10, 1945, to Niagara Alkali Company, New York, N. Y., a corporation of New York. Class 6.

205,723. **"ANSCO" AND DRAWING.** SENSITIZED PHOTOGRAPHIC FILM. Registered Nov. 17, 1925. ANSCO PHOTO PRODUCTS, INC., Binghamton, N. Y. Renewed Nov. 17, 1945, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 26.

205,730. **ROMOLO.** CHIFFON IN THE PIECE. Registered Nov. 17, 1925. GARFINKEL & RITTER. Renewed Nov. 17, 1945, to The Barbizon Corporation, New York, N. Y., a corporation of New York, assignee. Class 42.

205,761. **APPEAL.** FRESH CITROUS FRUITS—NAMES, LEMONS, ORANGES, GRAPEFRUIT. Registered Nov. 17, 1925. CENTRAL LEMON ASSOCIATION, Villa Park, Calif. Renewed Nov. 17, 1945, to Central Lemon Association, Orange, Calif., a corporation of California. Class 46.

205,772. **DESERT GOLD.** FRESH GRAPEFRUIT, FRESH TANGERINES. Registered Nov. 17, 1925. HARRY W. FORBES, doing business as Forbes Farms, Los Angeles and Thermal, Calif. Renewed Nov. 17, 1945, to Estate of Harry W. Forbes, Thermal, Calif., successor. Class 46.

205,855. **"COQUETTE" AND DESIGN.** CELLULOID AND WIRE HAIR PINS. Registered Nov. 17, 1925. MARSHALL FIELD & COMPANY. Renewed Nov. 17, 1945, to McCoy, Jones & Company, Inc., Chicago, Ill., a corporation of Illinois, assignee. Class 40.

205,935. **LEATHERETTE.** WHITE AND COLORED SULPHITE PAPERS TO BE USED FOR WRAPPING, WAX, CRÉPE, BAG, DOCUMENT, ENVELOPE, TAG, COATING AND PRINTING PAPER FOR TYPEWRITER COPIESHEETS, PAPER FOR DRINKING CUPS, FRUIT WRAPS, TWISTING PAPER USED IN THE MANUFACTURE OF PAPER TWINES, IMITATION-REED FURNITURE, RUGS AND CARPETS, AND CONVERTING PAPER TO BE USED IN THE MANUFACTURE OF WAX WRAPPERS. Registered Nov. 17, 1925. PORT HURON SULPHITE & PAPER CO., Port Huron, Mich., a corporation of Michigan. Renewed Nov. 17, 1945. Class 37.

205,951. **LUSTRE.** FRESH CITROUS FRUITS—NAMES, LEMONS, ORANGES, GRAPEFRUIT. Registered Nov. 17, 1925. CENTRAL LEMON ASSOCIATION, Villa Park, Calif. Renewed Nov. 17, 1945, to Central Lemon Association, Orange, Calif., a corporation of California. Class 46.

205,952. **GOLD WEIGHT.** FRESH CITROUS FRUITS—NAMES, LEMONS, ORANGES, GRAPEFRUIT. Registered Nov. 17, 1925. CENTRAL LEMON ASSOCIATION, Villa Park, Calif. Renewed Nov. 17, 1945, to Central Lemon Association, Orange, Calif., a corporation of California. Class 46.

206,007. **"INDIAN BRAND" AND DRAWING.** TOBACCO EXTRACT USED FOR FLAVORING TOBACCO. Registered Nov. 24, 1925. G. BRUNING TOBACCO EXTRACT COMPANY, Lynchburg, Va., a corporation of Virginia. Renewed Nov. 24, 1945. Class 6.

206,019. **SATINETTE.** WHITE AND COLORED SULPHITE PAPERS TO BE USED FOR WRAPPING, WAX, CRÉPE, BAG, DOCUMENT, ENVELOPE, TAG, COATING, AND PRINTING PAPER, PAPER FOR DRINKING CUPS, FRUIT WRAPS, TWISTING PAPER USED IN THE MANUFACTURE OF PAPER TWINES, IMITATION-REED FURNITURE, RUGS AND CARPETS, AND CONVERTING PAPER TO BE USED IN THE MANUFACTURE OF WAX WRAPPERS. Registered Nov. 24, 1925. PORT HURON SULPHITE & PAPER CO., Port Huron, Mich., a corporation of Michigan. Renewed Nov. 24, 1945. Class 37.

206,089. **"ORIENT" AND DRAWING.** CREAM MEAL. Registered Nov. 24, 1925. MOUNTAIN CITY MILL CO. INC., Chattanooga, Tenn., a corporation of Tennessee. Renewed Nov. 24, 1945. Class 46.

206,136. **"WINTER-TEX" AND DRAWING.** MEN'S AND CHILDREN'S OVERCOATS. Registered Nov. 24, 1925. COHEN, GOLDMAN & CO., INC., New York, N. Y., a corporation of New York. Renewed Nov. 24, 1945. Class 39.

206,167. **PROVEN.** CANNED FRUITS, CANNED VEGETABLES. Registered Nov. 24, 1925. G. W. HUME COMPANY, San Francisco, Calif., a corporation of California. Renewed Nov. 24, 1945. Class 46.

206,184. **KWIKSOLV.** SOAP IN POWDERED FORM. Registered Nov. 24, 1925. THE PALMOLIVE COMPANY, Chicago, Ill. Renewed Nov. 24, 1945, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, by change of name. Class 4.

206,187. **"HEXTOP" AND DRAWING.** GREASE CUPS. Registered Nov. 24, 1925. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Nov. 24, 1945. Class 23.

206,202. **BONDEX.** PAINT FOR CEMENT IN DRY POWDER FORM. Registered Nov. 24, 1925. THE REARDON COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Nov. 24, 1945. Class 16.

206,276. **"JOHNSON FURNITURE CO." AND DRAWING.** WOODEN HOUSEHOLD FURNITURE—NAMES, BEDS, DRESSERS, CHIFFONIERS, CABINETS, CHESTS, CHAIRS, TABLES, BOOKCASES, BUFFETS, SMOKING STANDS, BENCHES (TO SIT ON), MIRROR FRAMES, COSTUMERS, DESKS, COMMODOES, TALLBOYS, TABOURETS, STANDS, FOOTSTOOLS, SECRETARIES, BUREAUS, WARDROBES, SIDEBORDS, PEDESTALS, DAVENPORTS, SOFAS, SETTEES, LAMP STANDS, BOOK ENDS, BOOK TROUGHS, AND TEA WAGONS. Registered Nov. 24, 1925. JOHNSON FURNITURE COMPANY, Grand Rapids, Mich., a corporation of Michigan. Renewed Nov. 24, 1945. Class 32.

206,388. **SUNDAY DINNER.** GRAPE JUICE AND GINGER ALE. Registered Dec. 1, 1925. SCHLOSS & KAHN GROCERY CO., Montgomery, Ala., a corporation of Alabama. Renewed Dec. 1, 1945. Class 45.

206,392. **"GIANT" AND DESIGN.** OIL CANS. Registered Dec. 1, 1925. J. M. TENNISON, doing business as Tennison Bros., Texarkana, Ark., and Texarkana, Tex. Renewed Dec. 1, 1945, to Tennison Brothers Inc., Texarkana, Ark., Texarkana, Tex., and Memphis, Tenn., a corporation of Delaware, successor. Class 2.

206,400. **"DRINK TRIPLE XXX ROOT BEER" AND DRAWING.** NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME—NAMES, ROOT BEER. Registered Dec. 1, 1925. SOUTHERN BEVERAGE COMPANY. Renewed Dec. 1, 1945, to Galveston-Houston Breweries, Inc., Galveston, Tex., a corporation of Texas, assignee by mesne assignments. Class 45.

206,402. **JAX.** MALT TONIC. Registered Dec. 1, 1925. JACKSON BREWING COMPANY, New Orleans, La., a corporation of Louisiana. Renewed Dec. 1, 1945. Class 48.

206,408. **"RAPTITE" AND DRAWING.** PAPER BAGS. Registered Dec. 1, 1925. OSBORN PAPER COMPANY, Marion, Ind., a corporation of Indiana. Renewed Dec. 1, 1945. Class 2.

206,411. **"FLAME BRAND" AND DRAWING.** HIGH-TEMPERATURE CEMENT. Registered Dec. 1, 1925. KING REFRACTORIES COMPANY, INCORPORATED. Renewed Dec. 1, 1945, to Sanford C. Smith Refractories, Inc., Buffalo, N. Y., a corporation of New York, assignee by mesne assignments. Class 12.

206,415. **MR. PEANUT.** CANDY, SALTED PEANUTS, PEANUT MEAL, PEANUT BUTTER, AND CANDIED PEANUTS. Registered Dec. 1, 1925. THE PLANTERS NUT & CHOCOLATE COMPANY, Suffolk, Va., and Wilkes-Barre, Pa., a corporation of Pennsylvania. Renewed Dec. 1, 1945. Class 46.

206,445. **"ADSCO" AND DESIGN.** CASINGS FOR UNDERGROUND STEAM MAINS. Registered Dec. 1, 1925. AMERICAN DISTRICT STEAM COMPANY, North Tonawanda, N. Y., a corporation of New York. Renewed Dec. 1, 1945. Class 12.

206,451. **MONEY SAVER.** SELF-RISING WHEAT FLOUR. Registered Dec. 1, 1925. BIRDSEY FLOUR MILLS, Macon, Ga., a corporation of Georgia. Renewed Dec. 1, 1945. Class 46.

206,452. **FOUR BELLS.** WHEAT FLOUR, CORN MEAL, CORN CHOP, MIXED FEED, GRITS, AND POULTRY FEEDS. Registered Dec. 1, 1925. STALEY MILLING COMPANY, North Kansas City, Mo., a corporation of Missouri. Renewed Dec. 1, 1945. Class 46.

206,467. **HUDSONVALE.** PRESERVED FRUITS, JAMS, MARSHMALLOW TOPPING, MARMALADE, CRUSHED FRUITS, NUTS IN SIRUP FOR SUNDAES, AND FLAVORING PREPARATIONS FOR USE IN MAKING SUNDAES. Registered Dec. 1, 1925. HUDSON VALLEY PURE FOOD COMPANY, INC., Highland, N. Y., a corporation of Massachusetts. Renewed Dec. 1, 1945. Class 46.

206,483. **TRIMFOOT.** ARCH SUPPORTS, HEEL LEVELERS, HEEL RESTS, HEEL LINERS, BUNION SHIELDS, CORN PADS, CALLUS PADS, AND BUNION PADS. Registered Dec. 1, 1925. WIZARD LIGHT-FOOT APPLIANCE COMPANY, St. Louis, Mo. Renewed Dec. 1, 1945, to Trimfoot Company, Farmington, Mo., a corporation of Missouri, by change of name. Class 44.

REISSUES

SEPTEMBER 11, 1945

22,673

FASTENING MEANS

George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio

Original No. 2,341,829, dated February 15, 1944, Serial No. 421,500, December 3, 1941. Application for reissue July 7, 1944, Serial No. 543,890

10 Claims. (Cl. 85-32)



9. A two-part fastening device comprising a carrier strip of sheet material having an intermediate region with a bolt opening through it and

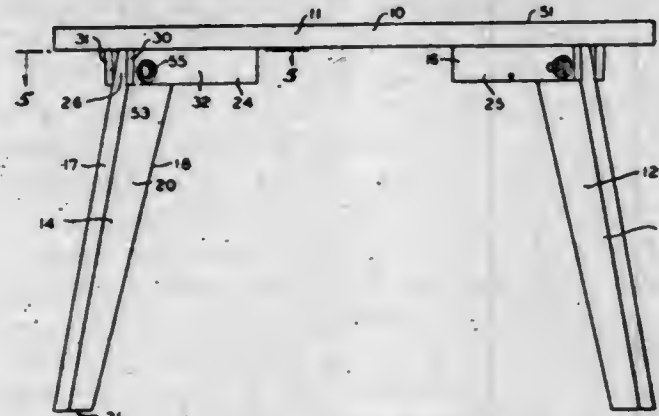
downward depressions at the ends of said region, said depressions making integral downward hollow bosses apertured at their bases, fastening devices having heads occupying the bosses and shanks extending through the apertures for attachment to a support, thereby holding the intermediate region spaced a short distance from the support, and a clip formed of resilient sheet material and doubled on itself to provide two arms embracing said raised intermediate region, the lower arm having a bolt opening and means about the opening entering the opening of the carrier, the upper arm having a bolt opening and a pair of opposed tongues partially severed from the upper arm respectively on opposite sides thereof and bent upwardly at an acute angle to the arm and separated at their ends and warped in opposite directions to provide a helical thread.

PATENTS

GRANTED SEPTEMBER 11, 1945

2,384,426

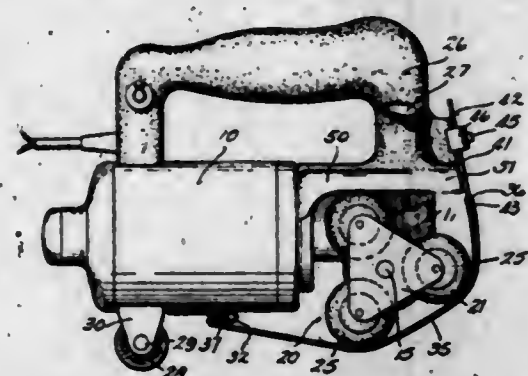
PLATFORM AND LEG CONSTRUCTION
Nathan S. Ancell, New York, N. Y.
Application May 18, 1942, Serial No. 443,401
2 Claims. (Cl. 311-110)



1. Furniture construction comprising: a platform having an undersurface, a support element, a portion adjacent one end of said support element being bifurcated to provide a slotted opening between a pair of arms, axially aligned transverse orifices in said arms, a leg member having top, front and rear surfaces and adapted to be received in said slotted opening in said support element, said supporting being fixed to the undersurface of the platform and the slotted opening is so disposed that the leg when received therein will abut the said undersurface of the platform, said leg member having an orifice adjacent one end thereof, said orifice being of same size as the aligned orifices in said arms and transversely disposed with respect to said front and rear surfaces, leg member orifice being so positioned that its axis is normally angularly disaligned in a downward direction with respect to the axes of said aligned orifices in said arms when the said rear surface of said leg member abuts the bottom wall of said slotted opening of said support and when the said top surface of said leg member abuts the undersurface of said platform, and a rigid bolt member forced through said aligned and disaligned orifices to cause a tightening and wedging fit of the leg member in said support element.

2,384,427

MASSAGE APPARATUS
Mathew Andis, Racine, Wis., assignor to Andis Clipper Company, Racine, Wis., a corporation of Wisconsin
Application January 19, 1942, Serial No. 427,303
6 Claims. (Cl. 128-57)



1. A massage instrument comprising the combination with a rotatable applicator, of frame means upon which said applicator is mounted for rotation, an apron comprising a strip of fabric

folded upon itself to provide a plurality of plies, means connecting the ends of said strip to said frame means, and a connector having a portion receivable between the plies of said apron and having another portion detachably connected with said frame means.

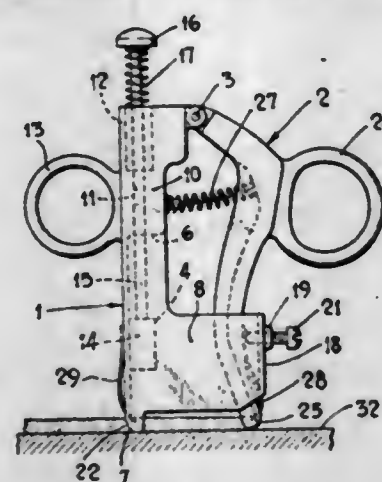
2,384,428

PRODUCTION OF ZIRCONIA
Mojzesz Ozjasz Art, London, England, assignor to F. W. Berk and Company Limited, London, England
No Drawing. Application June 10, 1942, Serial No. 446,525. In Great Britain September 12, 1941
5 Claims. (Cl. 23-140)

1. A process for the production of zirconia which comprises hydrolyzing a solution of zirconium sulphate containing no excess acid and free from alkali metal salts, in the presence of a substantial amount of a compound selected from the group consisting of calcium chloride and calcium nitrate but not sufficient to react with all the sulphate ions present and in the absence of a substantial amount of magnesium sulphate to precipitate a basic sulphate of zirconium, and calcining the product thus obtained to produce zirconia.

2,384,429

TOOL FOR STUFFING PIMENTO AND THE LIKE
Mildred S. Ball, Visalia, Calif., assignor to Pacific Olive Company, Visalia, Calif., a copartnership consisting of E. Van Dellen, R. N. Ball, and A. W. Stricker
Application August 17, 1943, Serial No. 499,025
5 Claims. (Cl. 146-203)



1. In a device of the character disclosed, a pair of jaws hinged together, each jaw provided with a lengthwise extending semi-cylindrical groove, a plunger carried by one of said jaws, and adapted to be moved co-axially within the semi-cylindrical grooves when the jaws are closed together.

2,384,430

AIRCRAFT GUN INSTALLATION
William H. Beardslee, El Segundo, Calif., assignor to North American Aviation, Inc., Inglewood, Calif., a corporation of Delaware
Application July 1, 1941, Serial No. 400,587
12 Claims. (Cl. 89-37.5)

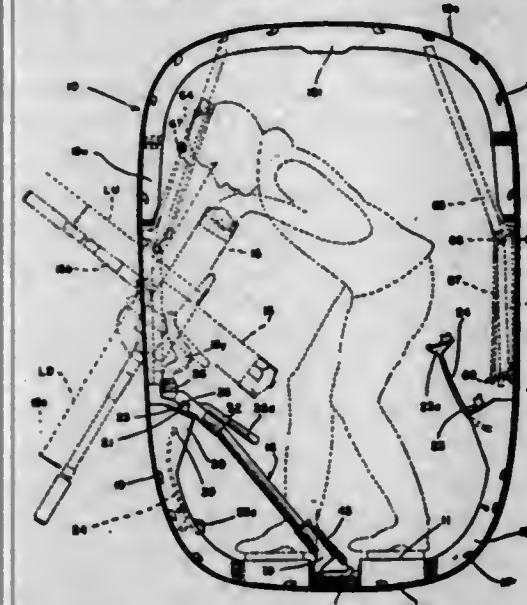
1. In a gun installation for aircraft, a fuselage having a floor and side walls, openings in the

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floor and the walls thereof, a gun mount having at least two terminals pivotally supported adjacent one of its terminals upon said fuselage floor, attachment means adjacent each of said fuselage openings, and latching means carried



by a remaining free terminal of said gun mount adapted for releasable attachment to either of said attachment means whereby a machine gun carried by said mount may be fired through the adjacent said opening.

2,384,431

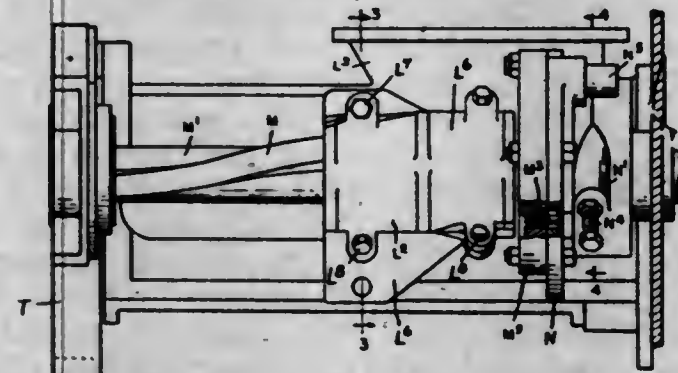
SHOE CONSTRUCTION
Olaf G. Beestrum, St. Louis County, Mo., assignor to Samuels Shoe Company, St. Louis, Mo., a corporation of Missouri
Application May 19, 1944, Serial No. 536,257
7 Claims. (Cl. 36-19.5)



1. In a shoe construction, an upper having an outer part and a lining part with said parts being in unsecured relation at their lower marginal portions, a sock lining having its marginal portion stitched to the lower marginal portion only of the lining part of the upper, an insole positioned beneath the sock lining and of a size to lie within the seam formed by the stitching of the sock lining to the lining, the lower marginal portion of the outer part of the upper extending over the seam and the edge of the insole to encase the same and being secured to the bottom surface of the insole, and an outsole secured to the bottom of said insole.

2,384,432

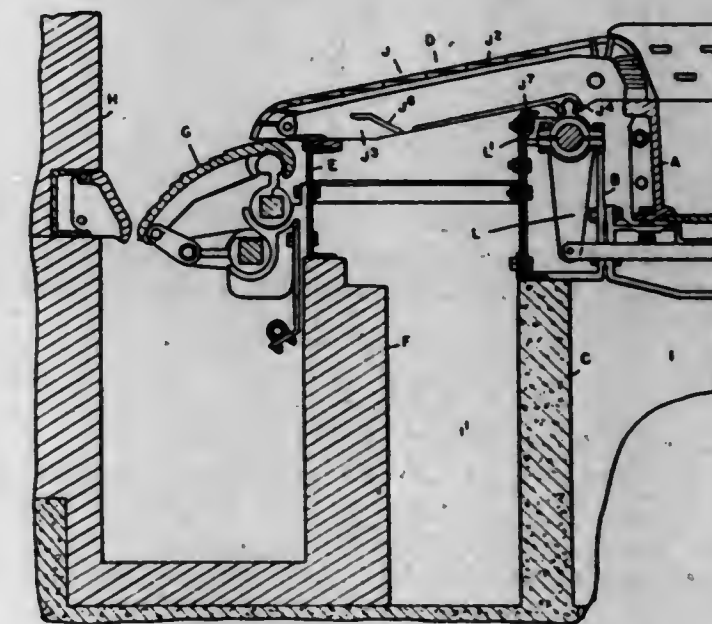
STOKER
Royce L. Beers, Birmingham, Mich., assignor to Detroit Stoker Company, Monroe, Mich., a corporation of Michigan
Application October 25, 1943, Serial No. 507,583
4 Claims. (Cl. 110-47)



1. In a stoker the combination with a retort and a reciprocating ram for feeding fuel therein, 578 O. G.-13

2,384,433
GRATE

Royce L. Beers, Birmingham, Mich., assignor to Detroit Stoker Company, Monroe, Mich., a corporation of Michigan
Application November 13, 1943, Serial No. 510,178
7 Claims. (Cl. 110-38)



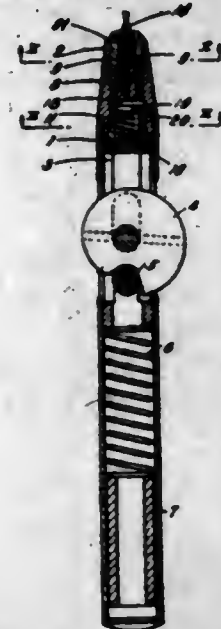
1. The combination with a grate support provided with separate chambers adapted to contain air under different pressures, of a grate on said support extending over said chambers and comprising a series of parallel arranged grate bars of similar angle cross section, each having a fuel supporting top flange and a depending flange at one side thereof, said bars together forming a three-sided air channel beneath each top flange, and means on alternate bars for completing a fourth side of the channel extending a portion of the length of the bar through which air passes from the high pressure chamber to the low pressure chamber, the bars intermediate said alternate bars being provided with openings through the top flanges thereof forming tuyeres for discharge of heated air from the low pressure chamber and channel into the fuel.

2,384,434

RIVETING TOOL
Egerton Mitford Bettington, Welwyn Garden City, England, assignor to Aviation Developments Limited, London, England, a British company
Application November 10, 1943, Serial No. 509,791
In Great Britain April 28, 1939
1 Claim. (Cl. 218-19)

In a tool for gripping and pulling a mandrel for upsetting tubular rivets, a tubular casing formed with an axial slot in its wall, an internally tapered sleeve slidable within said casing and formed with an axial slot in register with the first axial slot, a jaw carrier slidable within the sleeve, at least two externally tapered jaws housed in the carrier and in one position of the sleeve urged into gripping contact with a mandrel and adapted in another position of the sleeve to release the mandrel, the carrier being formed with an axial slot in registration with an opening between two of said jaws, means for preventing rotation of the jaws relatively to the sleeve and a pin extending transversely through the carrier

and entering an axial slot in the casing and a radial recess in the sleeve, whereby all the slots

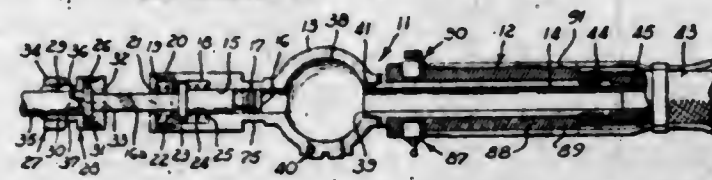


are maintained in registration and a mandrel can be introduced into or removed from the tool laterally through the registering slots and opening.

2,384,435

PORTABLE CUTTING TOOL

Albert G. Bodine, Jr., Burbank, Calif., assignor to The Calpat Corporation, Los Angeles, Calif., a corporation of California
Application December 18, 1942, Serial No. 469,741
36 Claims. (Cl. 164—34)

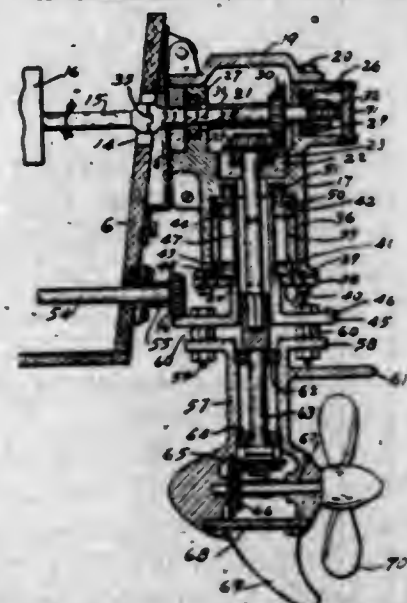


1. In a portable cutting tool, the combination of: a primary cylinder; a primary piston reciprocable therein; means for reciprocating said piston in said cylinder; a portable tool body remote from said cylinder, piston, and means and having a secondary cylinder therein; a secondary piston reciprocable in said secondary cylinder; flexible conduit means connecting said cylinders; a liquid column in said conduit means connecting said pistons; and a cutting tool associated with said secondary piston and adapted for reciprocation therewith in response to sound waves transmitted through said liquid column from said primary piston under conditions of resonance.

2,384,436

MOTORBOAT PROPULSION MECHANISM

Martin C. Bossen, Denver, Colo.
Application November 8, 1943, Serial No. 509,519
1 Claim. (Cl. 115—35)



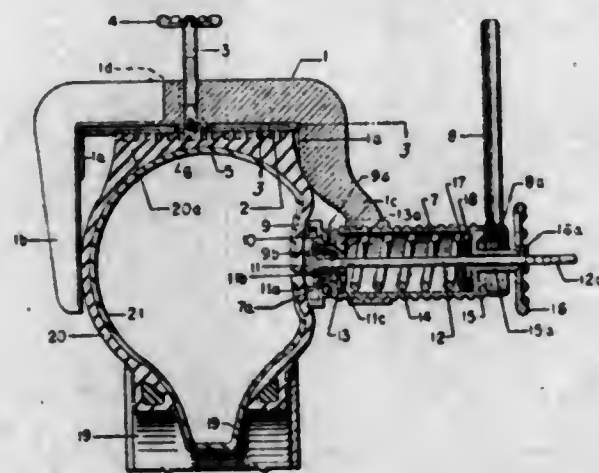
In a propulsion mechanism for a boat having an inboard motor and a propeller, a motion trans-

mitting mechanism for rotating the propeller by power derived from the motor, comprising a transmission housing hingedly connected at its upper end to the boat, two angularly related shafts positioned within the housing for rotation about intersecting axes, one of the shafts being substantially horizontal and provided at its outer end with means for effecting a separable operative connection with the motor, the other shaft being substantially vertical, means comprising bevel gears for transmitting power from the horizontal to the vertical shaft, a circular plate having a tubular cylindrical hub extending upwardly into the housing, an anti-friction bearing in the space between the hub and the housing, said bearing comprising an inner cylindrical bearing race surrounding the hub, means for securing the race in position on the hub and holding it from movement thereon, and an outer bearing race having its lower end provided with an outwardly extending perforated flange, tap screws passing through the flange and into the lower end of the housing, a propeller assembly comprising a hollow member having its upper end provided with a perforated flange, fastening devices passing through the last named perforations into the plate, and means operable from the inside of the boat and operably connected with the plate for rotating the latter and the propeller assembly relative to the housing.

2,384,437

PRESSURE GAUGE FOR PNEUMATIC TIRES

Alexander Boynton, San Antonio, Tex.; Sida S. Martin executrix of said Alexander Boynton, deceased
Application April 20, 1943, Serial No. 483,785
10 Claims. (Cl. 73—81)

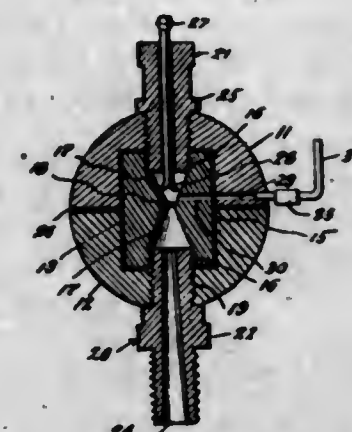


5. In a pressure gauge for pneumatic tires: a clamp frame having a pair of arms adapted to receive a pneumatic tire between them; a shell adjustably engaged through one of said arms; an adjusting plate slidable between said arms and adapted to engage the tread of said tire; a rod secured to said plate and rotatable relative thereto, said rod having threaded engagement through said frame and being adapted to position said shell relative to the side wall of a tire; a cup carried by said shell, said cup being adapted to embed within the outer wall of a tire and convert a portion thereof into an isolated diaphragm; a contact shoe carried by said shell; a spring in said shell operatively connected with said contact shoe and being adapted to urge said shoe to deflect said diaphragm independently of the remainder of the tire; thrust bearings between said shell and said cup, said bearings being to provide for free rotation of said shell relative to said cup; and means for indicating the pressure required to deflect said diaphragm.

2,384,438

IGNITER DEVICE

Perl Lewis Bucy, Oklahoma City, Okla.
Application September 20, 1943, Serial No. 503,109
5 Claims. (Cl. 123—169)

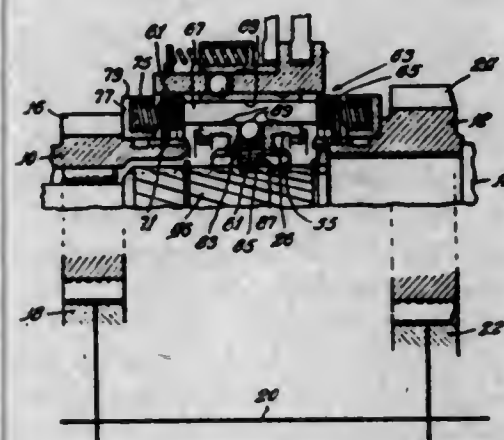


1. An ignition device comprising a body having an "hour-glass" shaped ignition chamber, an electrode extending into the upper end of such chamber and having spaced relation with the wall of the latter, a mounting stem connected with the lower end of said chamber and having a bore extending longitudinally therethrough and opening into the chamber, and a conduit means for introducing a combustion supporting gas into the ignition chamber.

2,384,439

TRANSMISSION

Harold E. Carnagua and Kenneth K. Stough, Muncie, Ind., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application June 26, 1943, Serial No. 492,377
8 Claims. (Cl. 192—53)

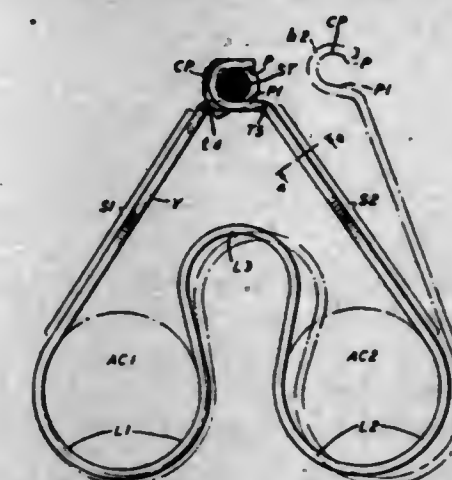


1. In a coupling, in combination with a pair of members, one rotatable with reference to the other, a coupling element adapted for positive coupling connection with one of said members and having a driving connection with the other member permitting it to shift axially to establish said coupling connection, means for locking said coupling element in said coupling connection and including a movable locking element having an unlocking and a locking position, means constantly biasing said locking element toward its locking position, synchronizing means comprising coacting friction devices having driving connections with the respective members, adapted under axial pressure from said coupling element when the latter is being shifted toward the coupling position, to synchronize said members, and operator controlled means for moving said locking element to its unlocking position wherein said coupling element is released for uncoupling movement.

2,384,440

HANGER DEVICE

James A. Carr, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 8, 1944, Serial No. 539,289
1 Claim. (Cl. 248—61)

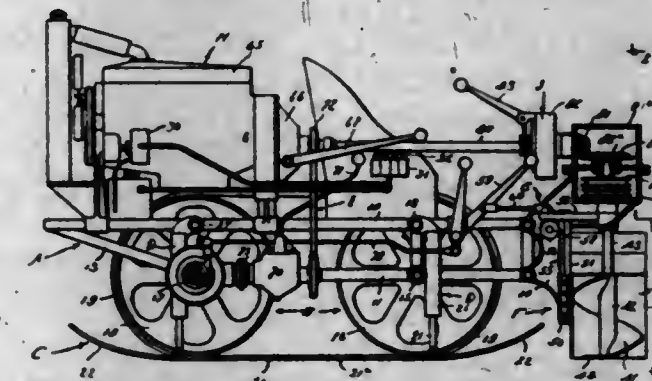


A hanger device for suspending a pair of cables in horizontal and parallel spaced relation to each other from a supporting strand, said device consisting of a resilient metallic strip having three curved portions, each forming substantially two-thirds of a circle, two straight portions offset from the plane of the curved portions and a hook portion at each end of the strip, the diameter of curvature of one of said curved portions determining the spaced relation between the cables and the other of said curved portions tightly closing over substantially two-thirds of the circumference of the cables when the hooks are engaged with the supporting strand.

2,384,441

VEHICLE

Samuel C. Carter, Los Angeles, Calif.
Application February 7, 1944, Serial No. 521,371
18 Claims. (Cl. 180—3)



1. A vehicle of the character described including, a frame, means for supporting and propelling the frame and operable on a firm support to hold the frame in a stable position, and a snow packer carried by the frame and confined to the forward end of the vehicle forward of said means and including a snow handling element to be advanced into snow at the front of the vehicle and operable to move substantially the entire body of snow that is engaged downwardly and to pack it firm so the vehicle can pass over it.

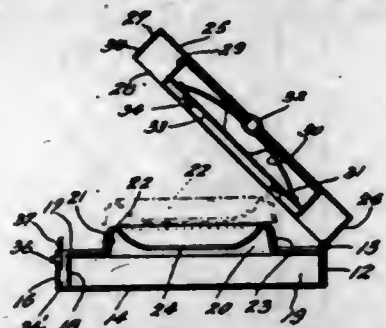
2,384,442

POCKET ASH RECEPTACLE

Herbert A. Christian, Vallejo, Calif., assignor of one-half to Lloyd Christie, Vallejo, Calif.
Application April 7, 1944, Serial No. 529,999
7 Claims. (Cl. 206—37)

3. A pocket ash receptacle comprising a body formed to provide a material receiving chamber and having a top wall, the top wall having a central opening defined by an upstanding inwardly

inclined flange, a cap having a central depressed portion and an encircling outwardly flaring flange, said cap flange being of an over-all diameter to snugly frictionally receive the first flange whereby the depressed central portion of



the cap extends downwardly into the area defined by the first flange, the bottom of said depressed portion having a central opening therethrough, and a cover hingedly attached to the body portion and adapted to close down over the cap and flanges.

2,384,443

PLASTIC COMPOSITION AND METHOD OF PREPARING SAME

John C. Cowan and Howard M. Teeter, Peoria, Ill., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office
No Drawing. Application November 6, 1942, Serial No. 464,787

13 Claims. (Cl. 106—249)

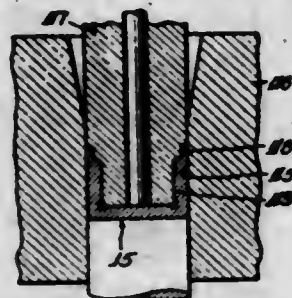
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of manufacturing a plastic composition comprising intimately mixing a dihydric alcohol polyester of a polymeric fat acid with rubber compounding agents, heating the mixture until it become millable and then plasticizing the resulting composition by milling.

2,384,444

METHOD OF FORMING COUNTERBORED RECEPTACLES

Donald H. Cravener, Jr., Chicago, Roy C. Ingersoll, Winnetka, and Frans B. Wendel, Chicago, Ill., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application June 19, 1942, Serial No. 447,624
4 Claims. (Cl. 29—148.4)



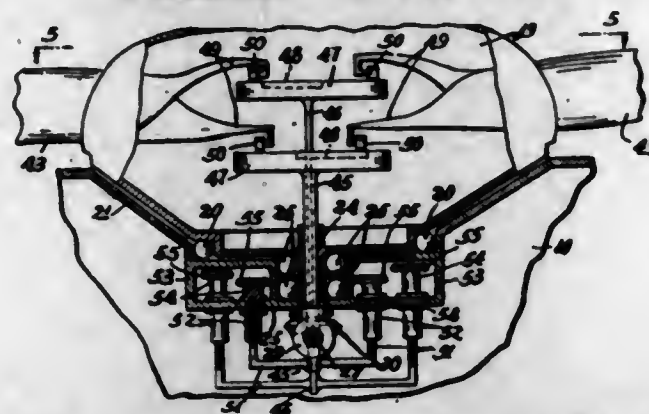
1. The method of forming a trunnion bearing for a universal joint, said bearing comprising a cylinder closed at one end and counterbored at the inside bottom region to provide a run-out for a finishing tool, said method comprising forming into the shape of a cup an imperforate disc-shaped blank by means of a round nosed punch operating in a cylindrical die such that the bottom of the blank is not work-hardened at the bottom corner region thereof, work hardening a circular region constituting a part of said bottom corner region and inside the blank, said circular region being of lesser diameter than the inside diameter of the open end of the blank, and then reducing the diameter and length of the blank against a cylindrical punch, the reduced inside diameter being smaller than the greatest diam-

eter of the work-hardened region, whereby to form the counterbore in the blank, the work-hardening of the circular region being accomplished by coining the bottom of the blank.

2,384,445

HELICOPTER

Stefan Apostolescu, New York, N. Y.
Application January 25, 1943, Serial No. 473,461
2 Claims. (Cl. 244—17)



1. In a helicopter, a body, a hollow drum rotatively supported on said body to turn on a vertical axis, blades projecting radially from said drum and mounted through the sides of said drum to turn about their longitudinal axes and pivot in a vertical plane, a pair of substantially superimposed arms mounted on the inner end of each of said blades, a pair of concentric rods extending into said drum and being vertically slidable but not rotative, a pair of vertically spaced horizontal disc-like cams mounted on said rods and engaging said arms for turning said blades to vary their pitch for producing a forward thrust when desired, and means for raising and lowering said rods relative to each other to turn said blades on their longitudinal axes or for raising and lowering said rods in unison to pivot said blades about transverse axes.

2,384,446

NEUTRALIZING CRUDE NITROGUANIDINE

Kenneth D. Ashley, Noroton, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 22, 1944, Serial No. 536,815

2 Claims. (Cl. 260—564)

1. A method of neutralizing residual sulfuric acid in crystalline nitroguanidine resulting from its method of manufacture which includes contacting the nitroguanidine crystals with a compound chosen from the group consisting of calcium carbonate, barium carbonate, strontium carbonate, cadmium carbonate, and cadmium hydroxide.

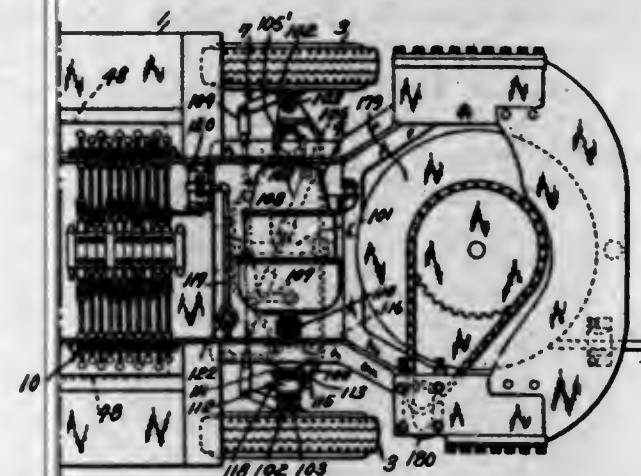
2,384,447

CONTROL MECHANISM FOR MINING APPARATUS

Clyde P. Baldwin and Harry H. Vanderzee, Claremont, N. H., assignors to Sullivan Machinery Company, a corporation of Massachusetts
Application May 21, 1941, Serial No. 394,410
31 Claims. (Cl. 180—66)

15. In a mining apparatus, in combination, fluid operated propelling means, fluid operated steering means, a plurality of sources of operating fluid respectively of relatively large and relatively small capacity, means for controlling the supply of operating fluid from one of said sources to said propelling means, and means for controlling the supply of operating fluid from the other of said sources to both said propelling means and said steering means including separate valve devices for said steering and propelling means re-

spectively, the valve device for said steering means movable on effecting fluid supply to the latter to

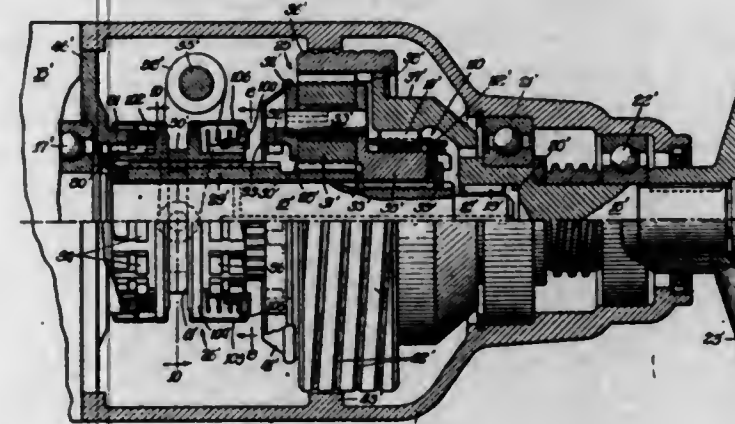


cut off the fluid supply to the valve device for controlling said propelling means.

2,384,448

TRANSMISSION

Oscar H. Banker, Chicago, Ill., assignor to New Products Corporation, Chicago, Ill., a corporation of Delaware
Application August 15, 1938, Serial No. 224,933
2 Claims. (Cl. 74—290)



1. In a change speed transmission, a drive shaft, a driven shaft, a planetary gear system operatively connected between said shafts, and an over-running clutch and brake device of the jaw type for governing the operation of said planetary gear system comprising a first set of jaws, a second set of jaws adapted to be engageable with said first set, at least one set of jaws being associated with the planetary gear system, and said sets being mounted for relative rotational and axial shifting movement, and means associated with one set of jaws operable while there is relative rotation between the sets of jaws in one direction to prevent contact of the jaws and operating upon relative rotation between the jaws in the opposite direction to permit engagement of the jaws.

2,384,449

SEPARATING FLUORINE COMPOUNDS

Anthony F. Benning, Woodstown, N. J., and Joseph D. Park, Wilmington, Del., assignors to Kinetic Chemicals, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application September 3, 1943, Serial No. 501,151
2 Claims. (Cl. 260—648)

1. The process of separating members of an azeotropic mixture comprising C_2F_6 and $C_2H_5ClF_4$ which comprises extracting the mixture in the liquid phase with a mineral oil having a naphthenic base, a sp. g. $^{\circ}A. P. I./60^{\circ} F.$ from 22–28.5, a viscosity index ranging from 0–50, and a pour point not higher than $70^{\circ} F.$

2,384,450

ALLOY FOR PERMANENT MAGNETS

Clarence George Bieber, Huntington, W. Va., assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application June 4, 1942, Serial No. 445,809

5 Claims. (Cl. 75—124)

1. An alloy comprising about 24% to 27% nickel, 5% to 10% cobalt, 6% to 8% aluminum, 2% titanium, and the balance iron.

5. A permanent magnet made of hot worked alloy comprising about 15% to 30% nickel, 1% to 15% cobalt, 4% to 9.5% aluminum, 1% to 3% titanium, and the balance iron and minor constituents, of which carbon does not exceed about 0.25%.

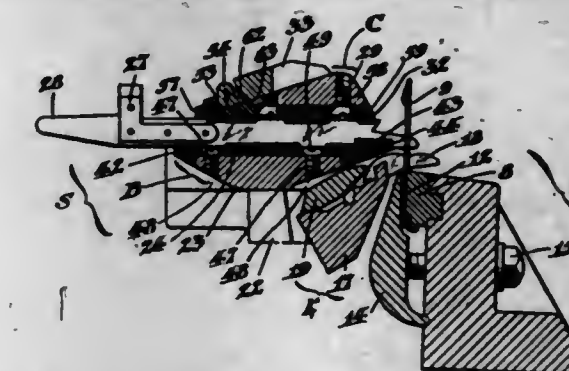
2,384,451

SINKER HEAD FOR KNITTING MACHINES

Alvin L. Brumbach, Reading, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania

Application October 7, 1941, Serial No. 414,012

21 Claims. (Cl. 66—110)

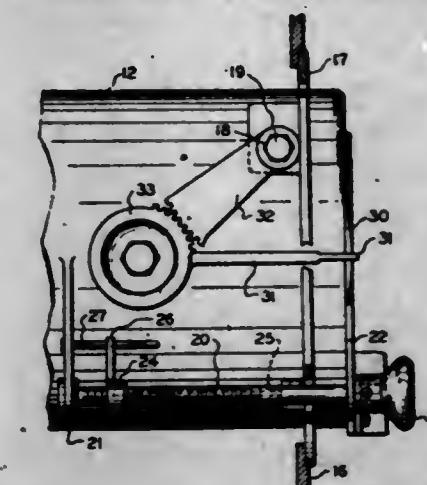


1. A sinker-head adapted to support the sinkers and dividers of a full-fashioned knitting machine comprising a backing member and an insert firmly secured thereto but readily removable therefrom which has slots therein extending transversely of the head, said insert secured to said backing member by a soldered joint, and means for guiding said sinkers and dividers including said slots.

2,384,452

TRIM ANGLE INDICATOR

Leslie F. Carter, Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application October 24, 1942, Serial No. 463,289
4 Claims. (Cl. 33—204)



2. An artificial horizon instrument with an outside casing pivotally mountable on the instrument panelboard of a dirigible craft and having a trim angle scale situated on the front of the casing, a pointer arm for said scale including a gear sector pivotally mounted on said casing for movement of the pointer arm about an axis parallel to the pivotal axis of the casing, means for turning said

casing about its axis to vary its angular displacement relative to said panelboard, and a second gear sector fixed to the panelboard concentric with the pivotal axis of the casing and meshing with said first gear sector to position said pointer arm about its axis and thereby to reflect the angular movement of said casing upon said trim angle scale.

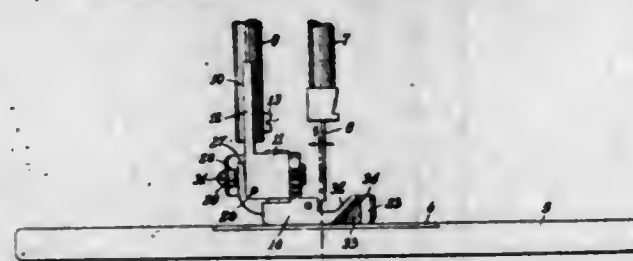
2,384,453 INCLINOMETER

John L. Chaney and George D. Hunt, Springfield, Ohio; said Hunt assignor to The Ohio Thermometer Company, Springfield, Ohio, a corporation of Ohio
Application February 6, 1943, Serial No. 475,026
8 Claims. (Cl. 33-206)



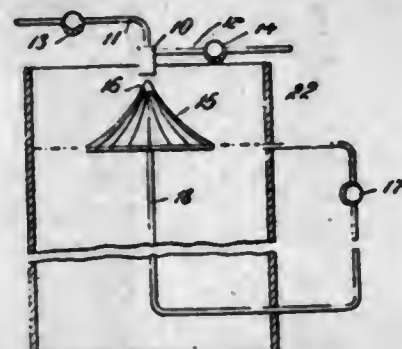
1. A measuring instrument including an arcuate hermetically sealed tube of translucent material formed of a single piece of material such as to be free of joints, longitudinal parallel spaced ribs formed integrally with said tube on the inner face thereof, a gravity operated ball enclosed in the tube and rolling upon the ribs in slightly spaced relation with the interior face of the tube contiguous to the ribs, and a body of fluid confined within the tube by-passing the ball between the periphery of the latter and the interior of the tube as the ball rolls to and fro to dampen the movement of the ball, and graduations associated of the ball.

2,384,454
SEWING MACHINE PRESSER FOOT
Joseph Cosentino, Richmond Hill, N. Y., assignor to Man-Sew Pinking Attachment Corp., New York, N. Y., a corporation of New York
Application September 30, 1940, Serial No. 359,056
14 Claims. (Cl. 112-235)



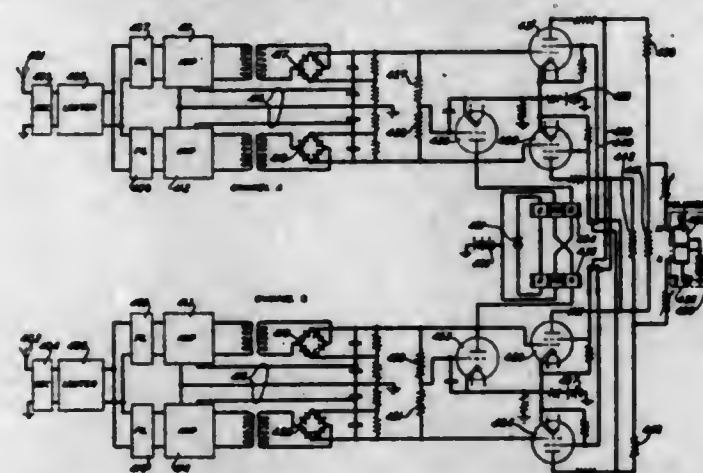
1. In combination with stitching mechanism having a pair of vertically reciprocating needles, spaced apart presser foot members each having an opening to receive one of said needles, said members at their forward ends being provided with means for engaging connected upstanding edge portions of two fabric sections fed to the stitching mechanism to turn the same in relatively opposite directions and form hems therein, a vertically movable spreader blade interposed between said presser foot members in immediate adjacency with said hem turning means to extend longitudinally between the hem folds of the fabric sections and maintain the same in spaced apart non-contacting relation to a point in close proximity to the penetration of said folds by the respective stitch forming needles, and means for yieldably resisting vertical movement of said blade relative to the presser foot members.

2,384,455
APPARATUS AND PROCESS FOR MAKING CATALYTIC PARTICLES
Henry G. Daley, Woodbury Heights, and Jesse C. Howard, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application July 13, 1943, Serial No. 494,572
5 Claims. (Cl. 252-317)



4. In a process for forming hydrogel globules by flowing a gelable hydrosol upon the apex of a conical divider; the improvement which comprises interposing a water-immiscible liquid which wets the surface of the divider between said hydrosol and said divider.

2,384,456
RADIO RECEIVING SYSTEM
James R. Davey, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 23, 1944, Serial No. 536,925
23 Claims. (Cl. 250-8)

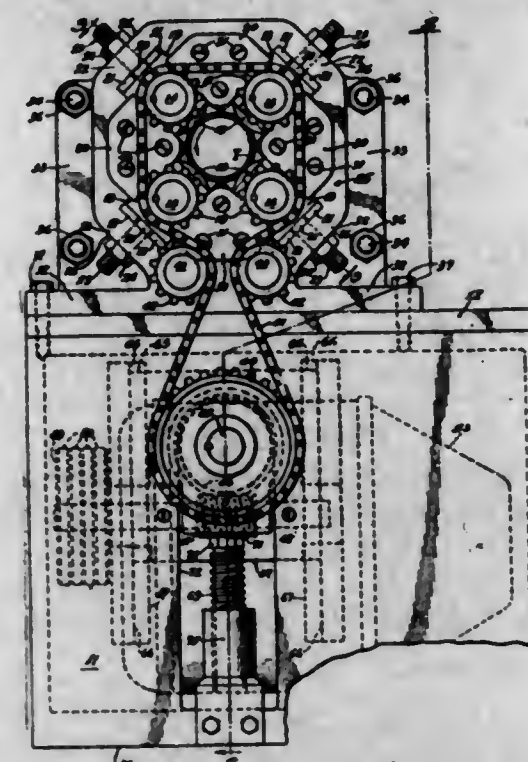


11. A diversity radio receiving system, having a plurality of signal receiving channels, each of said channels having detecting means for deriving a voltage representative of the instantaneous value of excessive noise currents present in that channel, cut-off means for cutting off said channels individually, and differential operating means for comparing said voltages for selectively operating the cut-off means in accordance with the instantaneous noise conditions in the signal receiving channels.

2,384,457
TUBE STRAIGHTENING MACHINE
Clarence L. Dewey, Elkhart, Ind.
Application February 6, 1943, Serial No. 474,923
5 Claims. (Cl. 153-54)

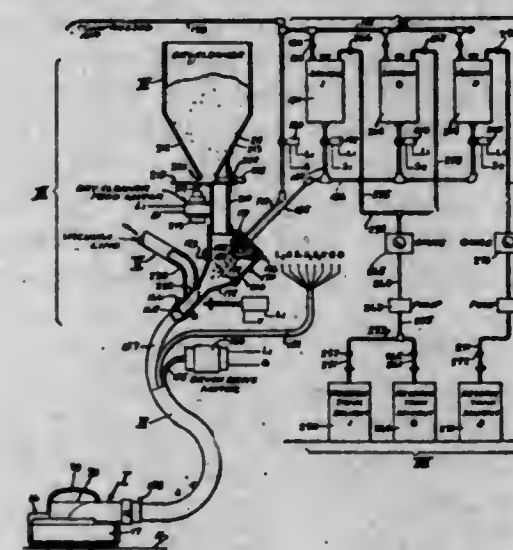
1. The method of straightening tubing which consists in applying reducing pressures with blunt edged ribs against different faces of the tube wall and directed inwardly radially toward the axis of the tubing, said pressures being applied at any instant in slightly converging lines of separated points, said points moving longitudinally of the tube wall and being the constituents of rotating and spirally moving continuous lines of reducing pressure contact, progressively and in equal de-

gree approaching the axis of the tubing while undergoing relative rotation and relative linear advancement, and by progressive reduction, reworking the metal fibers of the tubing, and after such reduction subjecting the tube wall to straightening pressures with ribs flat in transverse cross-section directed inwardly radially toward different



faces of the tube wall and being applied at any given instant in parallel lines of separated contacts equally spaced throughout from the axis of the tubing, and being the constituents of rotating and spirally moving planes of straightening pressure contact and serving to subject the tube wall to a smoothing and straightening operation.

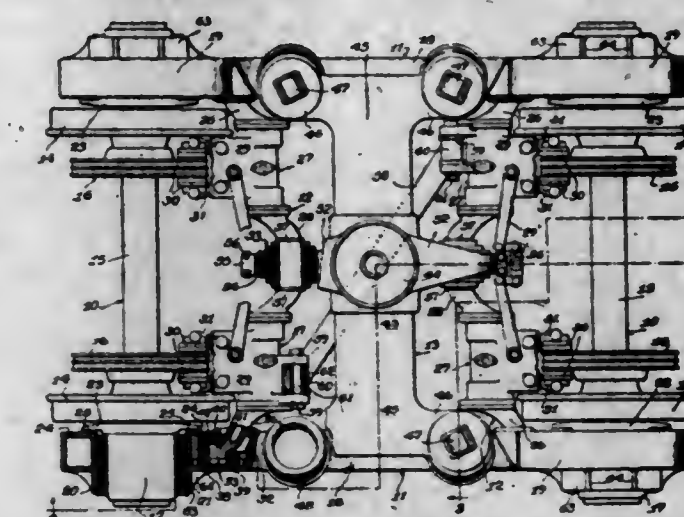
2,384,458
FUR CLEANING APPARATUS
Frank X. Dubay, Minneapolis, Minn.
Application March 6, 1943, Serial No. 478,219
8 Claims. (Cl. 69-20)



1. An apparatus for cleaning fur comprising an open bottomed housing, a flexible marginal wall, a plurality of rotary bristle brushes journaled in said housing for rotation about vertical axes, said brushes being spaced from each other and positioned with the bristles about level with the flexible marginal wall, gear means in said housing for simultaneously rotating the brushes, flexible shaft means for rotating the gears, a remotely situated motor connected to the flexible shaft for rotating the shaft, the housing being shaped to receive an operator's hand, remote detergent introduction apparatus and a flexible conduit connecting said apparatus and the housing, electromagnetically operated means for regulating said apparatus, switch means within

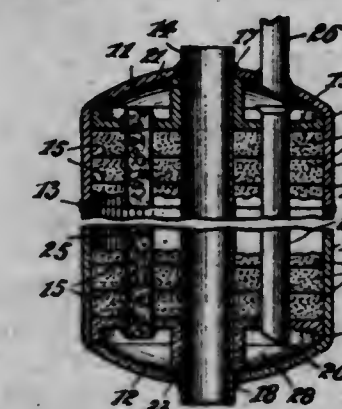
reach of an operator's fingers when his hand is in place on the housing for controlling said electromagnetic means, and circuit connection between the switch means and remote electromagnetic means.

2,384,459
TRUCK AND BRAKE ORGANIZATION
Carolus L. Eksbergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 8, 1941, Serial No. 405,903
10 Claims. (Cl. 105-182)



1. In a truck and brake organization, the combination of a pair of spaced wheel and axle assemblies each including bearing extensions outside the wheels thereof, side frame members having bearings at their ends embracing the axle extensions, respectively, of said axles at the opposite ends thereof and interconnecting said axles longitudinally, spaced transverse members interconnecting said side frame members and each serving also as a brake support for supporting non-rotary brake elements and including as a structural part thereof a housing for a brake cylinder device for actuating said elements, a bolster yieldingly supported from said side frame members between said transverse members and flexibly connected to intermediate portions of said transverse members, the connections between the side frame members and the wheel and axle assemblies and the transverse members being flexible to permit the limited relative tilting of the wheel and axle assemblies due to track irregularities without imposing undue strain on the parts.

2,384,460
BOILER-ABSORBER
Nils Erland af Kleen, Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J., a corporation of Delaware
Application October 21, 1941, Serial No. 415,852
3 Claims. (Cl. 62-118)

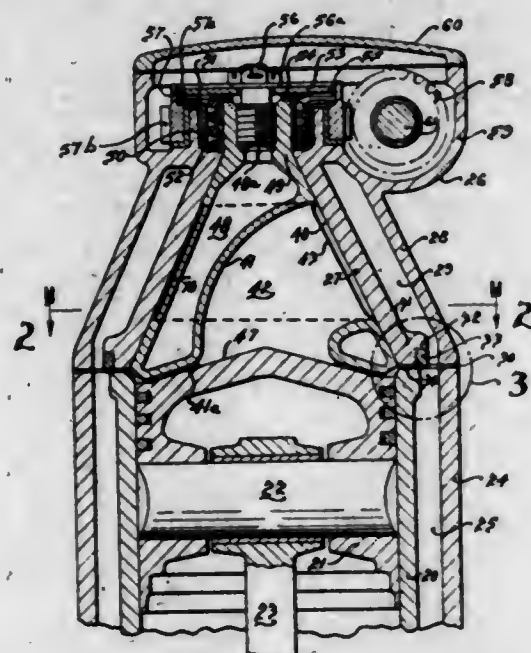


2. In a boiler-absorber for use in connection with refrigerating apparatus of the intermittent absorption type operating with solid absorbent material having the characteristic of increasing

in volume upon combining with the refrigerant; the combination of a substantially cylindrical casing terminating at its opposite longitudinal extremities in curved end walls, a central tube extending axially through said casing, a pair of axially spaced and oppositely disposed annular plate members embracing said tube and having inner and outer peripheral flanges with the flanges of one member terminating in abutting engagement with one of said curved end walls and the flanges of the other member terminating in abutting engagement with the other one of said curved end walls and with one of the flanges of each of said plate members being longer than the other to conform to the curvature of the respective end wall, the space between the inner faces of said plate members forming an annular absorbent chamber, and a charge of such absorbent material in said chamber, said plate members taking up the axial pressure stresses developed in said charge of absorbent material and the abutting engagement between the inner and outer flanges of each of said plate members and the respective end walls of said casing limiting the volume of said charge independent of the extent of swelling of the absorbent material.

2,384,461 ENGINE

Waldo G. Gernandt, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application January 7, 1944, Serial No. 517,381
19 Claims. (Cl. 123—80)



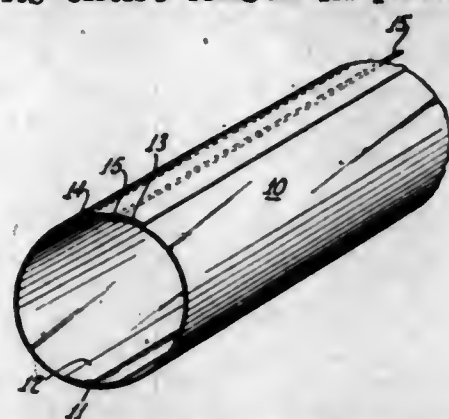
1. In an internal combustion engine, a cylinder, a cylinder head, a rotatable valve in said head, said valve and head having different coefficients of thermal expansion, said valve and head having adjacent wall portions in operative engagement, and means for varying the rate of expansion of said portion of the head so as to conform more closely to the rate of expansion of said portion of the valve.

2,384,462 REINFORCED ARTIFICIAL CASING FOR FOOD PRODUCTS

Leo A. Goodman, Brooklyn, N. Y., assignor of one-half to Marcleph & Co. Inc., Brooklyn, N. Y., a corporation of New York
Application February 12, 1942, Serial No. 430,538
4 Claims. (Cl. 99—176)

1. A sausage casing, comprising a tube formed of an elastomer that is stretchable under heat, and a plurality of flexible, relatively unstretchable, reinforcing elements extending longitudinally of the

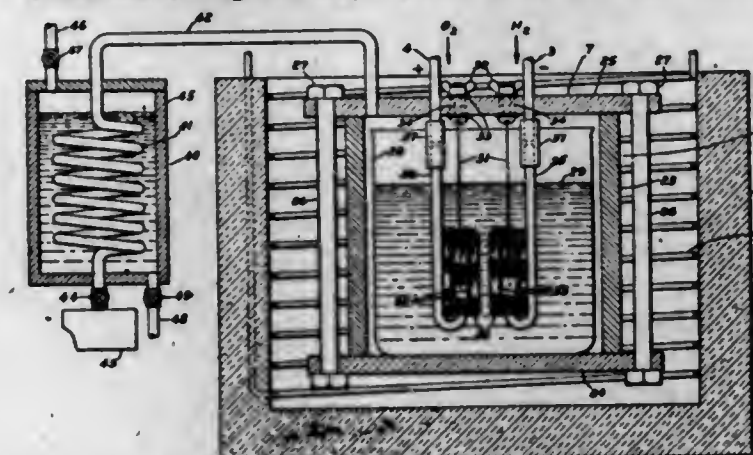
tube and adhesively attached thereto interiorly throughout its entire length in parallel relation



at substantially equally spaced points to prevent undue stretching of the tube lengthwise upon heating the tube.

2,384,463 FUEL CELL

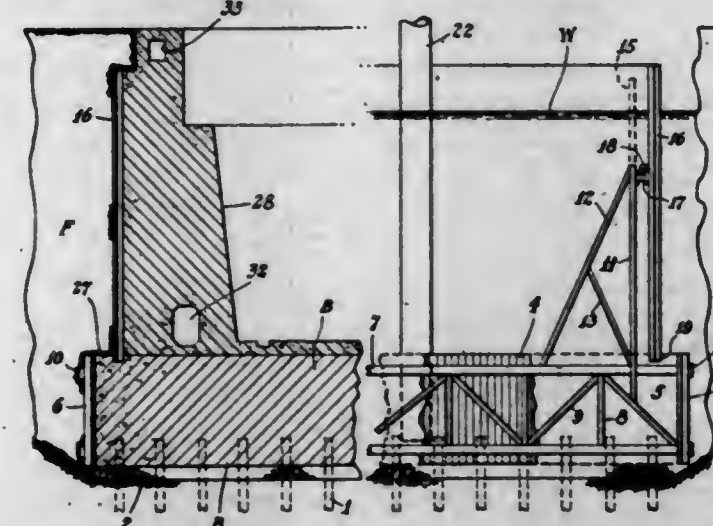
Ross Gunn and Wayne C. Hall, Washington, D. C.
Application December 6, 1938, Serial No. 244,204
30 Claims. (Cl. 136—86)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a fuel cell, an electrode, said electrode comprising a foraminous reticulated electrically conductive body portion to which is secured at least one electrically conductive member for improving its rigidity and reducing its electrical resistance, an electrolyte disposed exteriorly of said electrode to form therewith an electrode-electrolyte interface, an ionizable fuel gas electrochemically consumable at least in part disposed interiorly of said electrode and forming with the electrolyte an interface at foramina of the electrode, the said gas electrolyte interface being preserved and maintained in equilibrium by surface tension and the gas being electrochemically consumed at least in part at the electrode electrolyte interface.

2,384,464 GRAVING OR BASIN DRY DOCK

Frederic R. Harris, New York, N. Y.
Application March 6, 1943, Serial No. 478,274
19 Claims. (Cl. 61—64)

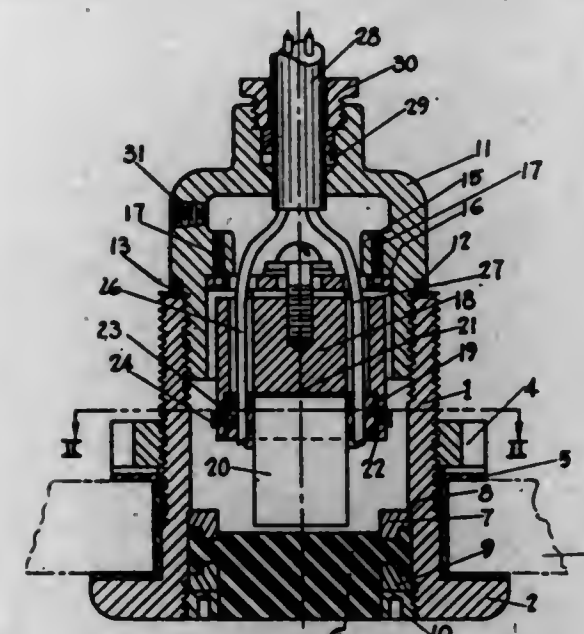


1. The method of constructing a basin dry dock in a water-bearing soil which consists in

excavating a site, spanning the bottom thereof with transverse, metal reinforcing members having substantially imperforate recessed surfaces, pouring tremie concrete under water over said members to embed said members under water, thereby forming a continuous bottom slab consisting substantially wholly of concrete hardened under water and forming transverse blocks united to said members and to one another when the concrete sets, and rearing the walls for the dock along the sides of said site.

2,384,465 SUBMARINE SIGNALING APPARATUS

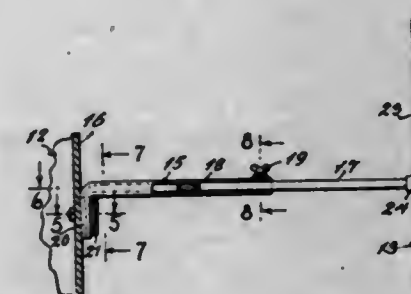
Bertram M. Harrison, Newton Highlands, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application January 19, 1938, Serial No. 185,751
Renewed June 22, 1939
14 Claims. (Cl. 177—386)



14. A closure for use with an acoustical apparatus comprising in combination a cap member having attached thereto a mass element having securely fixed at one end and thereby supporting an electromechanical energy interchanging means and said electromechanical energy interchanging means having a free end acoustically coupled to a vibration propagating medium.

2,384,466 BUILDING FOUNDATION DIGGER

Morris M. Hickey, Appleton, Wis.
Application April 14, 1943, Serial No. 482,965
2 Claims. (Cl. 33—185)



1. In a ditch digging machine of the type having a vertical digging boom, a socket on the side of the boom, a guide arm detachably fitted in the socket and extending laterally therefrom in a horizontal plane, and an adjustable depth rod carried by the arm and extending at right angles thereto in a vertical plane for engaging a ground guide line.

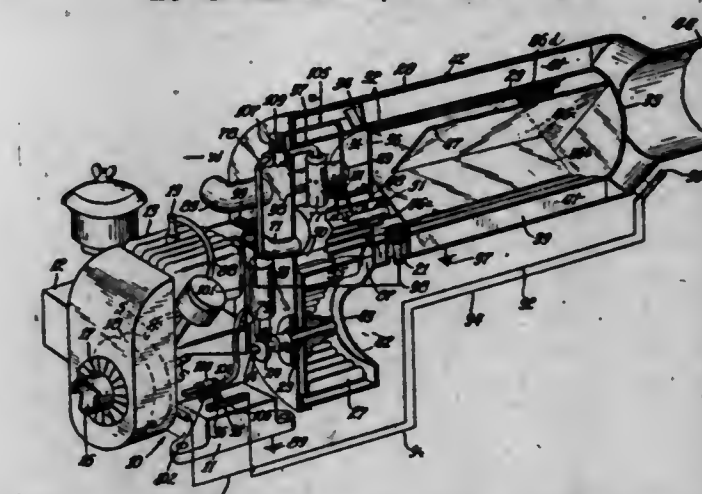
2,384,467 PICKLING INHIBITORS

William H. Hill, Mount Lebanon, Pa., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 11, 1940, Serial No. 369,562
4 Claims. (Cl. 252—148)

1. An inhibitor composition for pickling ferrous metals comprising a non-oxidizing acid pickling solution and a condensation product of formaldehyde with the reaction product of hydrogen sulfide and a guanidine.

2,384,468 CONTROL SYSTEM

Harry B. Holthouse, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application January 19, 1942, Serial No. 427,354
19 Claims. (Cl. 158—28)



1. In a control system for a heating unit including an internal combustion burner operatively connected with an internal combustion engine for concurrent operation therewith and wherein said engine is provided with an exhaust; a fuel vaporizing device including means defining a fuel and air mixing chamber from which a mixture of fuel and air may be transmitted to said burner, conduit means for conducting exhaust gases from said engine exhaust through said mixing chamber to provide for the heating of said chamber and said device by the exhaust gases from said engine, an ignition circuit for said burner including switch means for operating the same, a fuel system for said burner including valve means for controlling the admission of fuel to said vaporizing device, thermal responsive means responsive in operation substantially to the temperature condition of said vaporizing device, means interconnecting said thermal responsive means and said valve means to retain said valve means in a non-fuel feed position until said device is heated to a fuel vaporizing temperature by the engine exhaust gases traversing said conduit means, and means responsive to the operation of said engine and acting on said switch means to provide for the operation of said ignition circuit after said engine is started, with said ignition circuit being in operation prior to the admission of any fuel to said vaporizing device through said valve means.

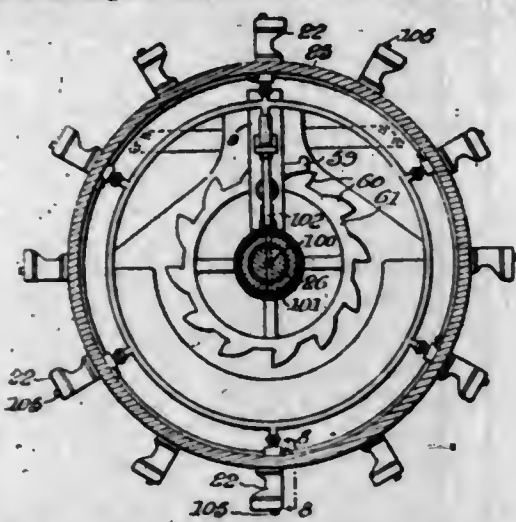
2,384,469 TAMPING APPARATUS

John Kalix, Dayton, Ohio
Application July 30, 1943, Serial No. 496,690
6 Claims. (Cl. 94—48)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A mobile tamping device adapted to be coupled to a tractor having a water supply reservoir,

said device comprising a coupling yoke, a non-rotatable shaft supported by said yoke, tubular ground rollers encircling said shaft, pressure controlled water distributing sheep's feet mounted on said ground rollers, conduits connecting said sheep's feet to said reservoir, ratchet wheels rotatably mounted on said shaft within said ground rollers, links connecting said ratchet wheels to said ground rollers to effect simultane-

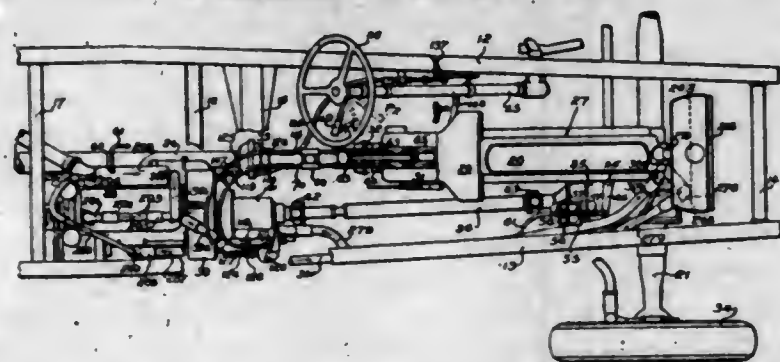


ous rotation therewith, a hammer roller mounted within each of said ground rollers, hammers provided with lower cam surfaces and laterally extending ratchet contact members mounted for reciprocatory movement upon said shaft within said ground rollers and adapted to respectively engage said hammer rollers and said ratchets to effect the elevation and release of said hammers to produce reciprocatory movement thereof with the rotation of said ground rollers.

2,384,470

DUAL ENGINE VEHICLE

Beverly W. Keese and Arthur J. Hazen, Oshkosh, Wis., assignors to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application September 10, 1940, Serial No. 356,214
7 Claims. (Cl. 180-54)



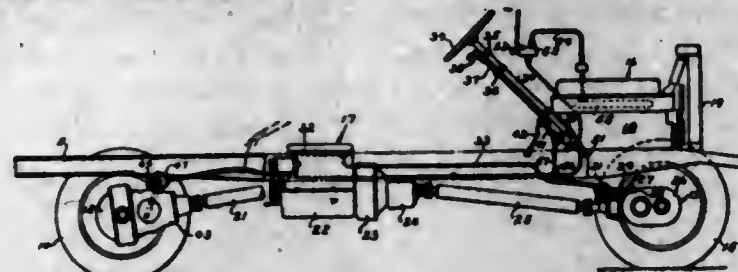
1. In a vehicle, a main engine having a variable speed transmission, a slidable shifter rail in said transmission, an auxiliary engine having a variable speed transmission, operating linkage extending from said auxiliary engine transmission to a point adjacent said shifter rail and terminating in a reciprocable member, a link pivoted to said shifter rail, and a releasable motion transmitting connection between said link and member.

2,384,471
VEHICLE

Beverly W. Keese and Chester A. Blair, Oshkosh, Wis., assignors to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application February 26, 1942, Serial No. 432,520
7 Claims. (Cl. 180-54)

1. In a vehicle, a multi-speed axle having at least two drive gear ratios, a single speed axle having a drive gear ratio corresponding to one of said multi-speed axle gear ratios, individual engines connected to drive said axles, a control

member governing drive of said single speed axle by its associated engine, locking means for said control member, and means for selecting the speed

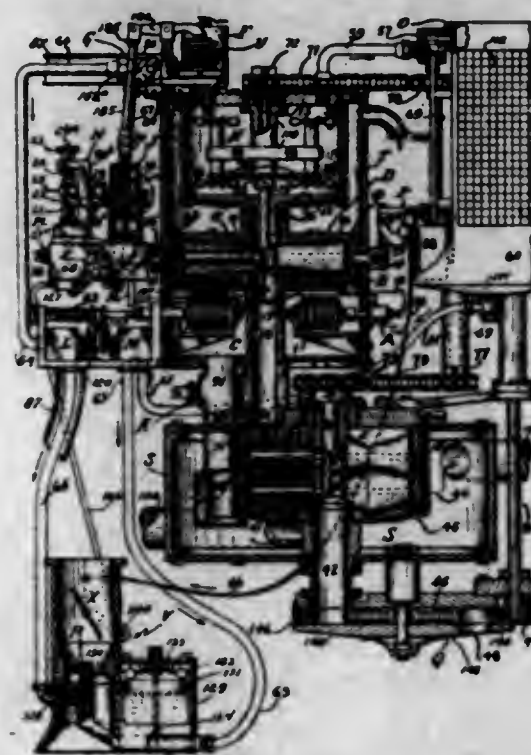


ratio of said multi-speed axle operative to release said locking means when said one multi-speed axle gear ratio is selected.

2,384,472

SYSTEM FOR VAPORIZING CRUDE OIL FOR USE AS A FUEL FOR INTERNAL-COMBUSTION ENGINES AND CONVERTERS FUNCTIONABLE THEREIN

Lovell Landers, Jr., Ossining, N. Y.
Application November 27, 1942, Serial No. 467,115
12 Claims. (Cl. 48-102)

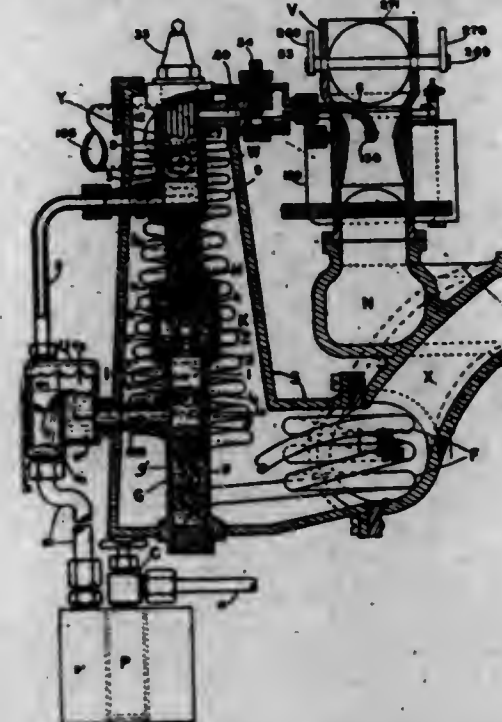


1. A vaporizer for liquid hydrocarbon fuel such as crude petroleum, comprising in combination an upper vaporizing chamber; a lower vaporizing chamber; a throat member affording communicating passageway between the lower interior portion of the upper chamber and the upper interior portion of the lower chamber; means for delivering liquid-fuel to be vaporized into said upper chamber; a set of spreading rolls within the upper chamber; a set of crushing rolls within the lower chamber; each of said chambers having a floor portion providing an annular surface over and along which there function rolls of the set therein; actuating means for rolling said rolls along the annular surfaces to which they correspond; casing means associated with and surrounding said vaporizing chambers and providing an upper outer chamber for gases contacting the exterior of said upper vaporizing chamber, a lower outer chamber for gases contacting the exterior of said lower vaporizing chamber and a tubular conduit providing a gas flow passageway between said outer chambers; means for passing hot gases into one of said outer chambers; means for passing cooled gases from one of said outer chambers; means for passing solid residues from a lower portion of the lower vaporizing chamber while minimizing the outward passage of vapors from the interior of the vaporizer incident to such transfer; and means for passing resulting vaporized fuel from the upper vaporizing chamber to the exterior of the vaporizer.

2,384,473

SYSTEM FOR VAPORIZING CRUDE OIL FOR USE AS A FUEL FOR INTERNAL-COMBUSTION ENGINES AND CONVERTERS FUNCTIONABLE THEREIN

Lovell Landers, Jr., Ossining, N. Y.
Application October 12, 1943, Serial No. 505,928
10 Claims. (Cl. 48-107)

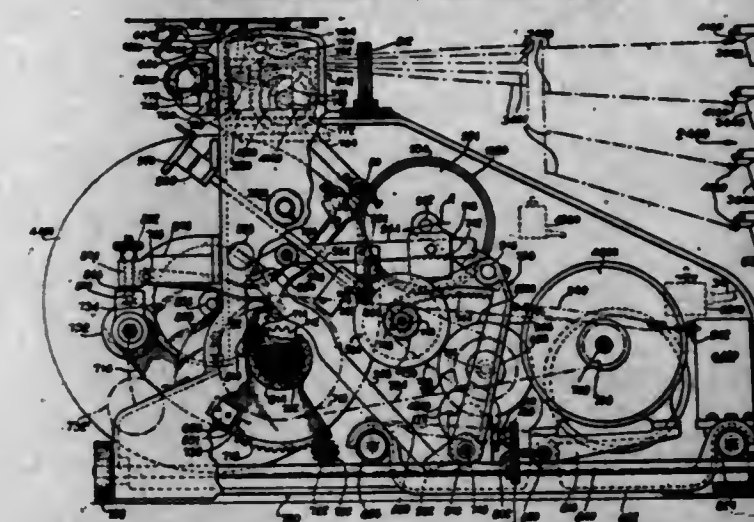


8. In a system employing the indirect application of heat derived from hot exhaust gases, typified by hot exhaust gases from an internal hydrocarbon combustion engine, for the conversion of liquid hydrocarbon fuel into vaporous and gaseous form and as to which the converted gaseous fuel thus produced is suitable as a fuel supply to an air-vapor mixing means for realizing a combustible mixture suitable for delivery into the intake side of the engine wherein the combustible mixture thus supplied is ignited within the power producing chamber thereof for operating the engine, which system comprises in operative combination a liquid hydrocarbon fuel supply means, a chamber providing structure in the form of a casing for receiving hot gases and an outlet for partially cooled gases leaving the chamber after having heat-interchanging contact with the pipe coils hereinafter referred to and which are located so as to be exposed to the gases flowing through the chamber, a chambered liquid-vapor separating structure, baffle means in said separating structure for dividing the chamber therein into functionally separated vapor receiving section and liquid-solids receiving section, a hollow member providing therein a vapor-gas conditioning chamber, initial vaporizing pipe coils connected for receiving incoming fuel from the fuel supply means and for delivering heated fuel and vaporized hydro-carbons thereof into said chambered separating structure whereby the delivered heated fuel and vapors come under the functioning influence of the baffle means and are separated whereby vapors pass into the aforementioned vapor receiving section while liquid-solids thereof pass into the aforementioned liquid-solids receiving section, subsequent heat interchanging vaporizing pipe coils connected for passing vapors from the aforementioned vapor receiving section into the aforementioned gas-conditioning chamber, a gas-air mixing means, means for passing gases from the conditioning chamber into the gas-air mixing means, a filter for separating solid residues suspended in un-vaporized portions of partially treated liquid fuel, means for conducting liquid bearing suspended solids from the aforementioned liquid-solids receiving section and for delivering the thus con-

ducted liquid into the influent portion of the filter, and means for passing filtered liquid from the filtrate delivery portion of said filter and for returning the filtered liquid into the liquid hydrocarbon fuel en route to the first mentioned pipe coils.

2,384,474
BEAMER

Fritz Lambach, Tenafly, N. J.
Application September 12, 1942, Serial No. 458,087
In Great Britain July 24, 1942
23 Claims. (Cl. 28-39)



1. A beamer comprising: a drive for rotating a beam, a pair of spaced supporting members for carrying the beam, each of said supporting members being swingably mounted on the beamer, adjusting means associated with said supporting members for swinging same from a lower beam receiving position, wherein the beam is disengaged from said drive, into an upper operative position, wherein the beam is coupled with said drive, and coupling means associated with the supporting members for securing same to a stationary member of the beamer when the supporting members are swung into said upper operative position.

2,384,475

STAPLE AND METHOD OF MAKING SAME
Joseph C. Lang, Pittsburgh, Pa., assignor to Bocil Corporation, Pittsburgh, Pa., a corporation of Delaware
Application August 14, 1943, Serial No. 498,627
14 Claims. (Cl. 59-77)



1. The method of making staples from a strip of sheet metal which comprises slitting the metal to define leg portions and a head portion, slitting the metal which constitutes the head portion of the staple, and then stretching the metal lying between the leg portions to slit to expand the head portion thereof.

2,384,476

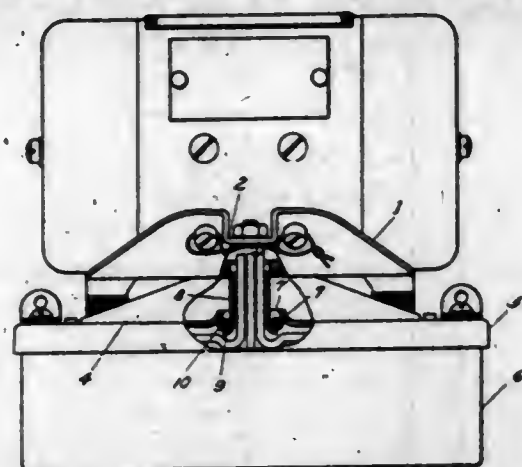
ANTIVIBRATION OR SHOCK ABSORBER MOUNT

Dwight L. Lane, Dayton, Ohio
Application June 7, 1944, Serial No. 539,169
6 Claims. (Cl. 248-22)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An anti-vibration mounting of the character described comprising a base provided with an opening surrounded by a flange, a cradle adapted to receive and support a machine and provided with a centrally disposed downwardly

directed tubular member adapted to be extended through said base opening and provided with a flange complementary to said base opening flange,



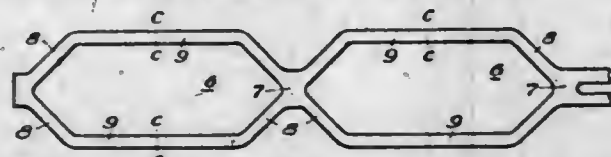
compression anti-vibration members interposed between said cradle and said base and an anti-vibration member interposed between said flanges.

2,384,477

STAPLE AND ITS MANUFACTURE

Joseph C. Lang, Pittsburgh, Pa., assignor to Bocji Corporation, Pittsburgh, Pa., a corporation of Delaware

Application September 16, 1944, Serial No. 554,349
17 Claims. (Cl. 59-77)



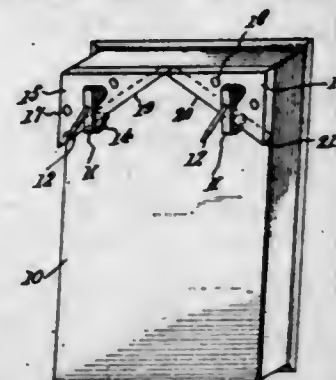
16. The method of forming staples from strip metal which comprises slitting the strip at intervals according to a regular pattern, expanding the metal transversely of the length of the slits to provide a single row of connected blanks, and severing the metal at regular intervals to form individual like fastener blanks in which a slit and expanded portion of the strip constitute at least a part of each blank.

2,384,478

PICTURE HANGER

Fernand S. Lapeyre, New Orleans, La.

Application December 17, 1943, Serial No. 514,689
9 Claims. (Cl. 248-29)



1. A picture hanger comprising a plurality of wall supports, and means on the picture having non-parallel edges to engage said supports.

2,384,479

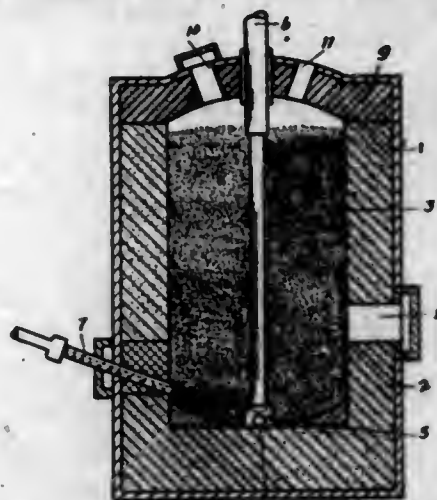
PROCESS FOR THE PRODUCTION OF ANHYDROUS MAGNESIUM CHLORIDE

Robert Lepsoe, Gerald Stanley Ortnier, and John Henry Salter, Trall, British Columbia, Canada, assignors, by mesne assignments, to The Mathieson Alkali Works, Inc., a corporation of Virginia

Application November 24, 1939, Serial No. 305,978
7 Claims. (Cl. 23-91)

1. The method of producing anhydrous magnesium chloride which comprises reacting mag-

nesium oxide, in the form of strong, porous, coherent pieces formed by heating magnesium concentrates to incipient fusion of the impurities

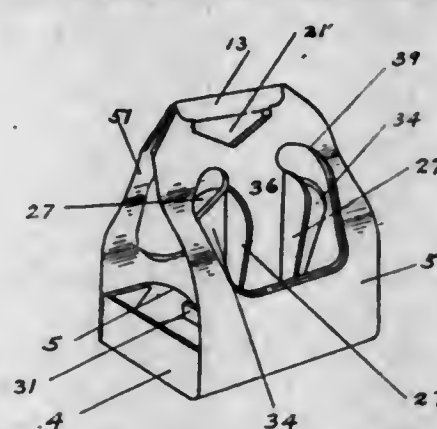


2,384,480

BOTTLE CARRIER

Elmer H. Lupton, Ilchester, Md., assignor to The Bartgis Bros. Company, a corporation of Maryland

Application July 12, 1941, Serial No. 402,062
1 Claim. (Cl. 224-45)



A container of cardboard or the like for carrying plural rows of bottles formed from a single quasi-rectangular sheet of material scored longitudinally along lines spaced from side edges of the sheet to provide an intermediate portion and side portions folded inwardly flat upon the intermediate portion and together therewith forming an elongated quasi-rectangular blank having inner and outer plies, said blank having its intermediate portion scored transversely along lines spaced from each other and having its end portions folded upwardly along the transverse lines of scoring to form a body having a flat bottom and side walls converging upwardly, upper end portions of said side walls being disposed in face to face engagement with each other and formed with registering openings forming a finger passage and a handle bar across the top of the finger passage, a flap at the upper end of one side wall wrapped about the handle bar to reinforce the handle bar and hold upper portions of the walls together, said side walls being cut to form side openings for receiving rows of bottles and a partition extending downwardly from the contacting upper portions of the walls, outer plies of the partition having side portions bent outwardly to form spacers for extending between bottles of the rows of bottles, the inwardly folded side portions of the sheet being cut transversely of the bottom to form flaps having portions extending upwardly along lower ends of the side walls, said flaps having their outer side edges and their ends integrally connected with the bottom and the side walls respectively and being folded upwardly and outwardly to form

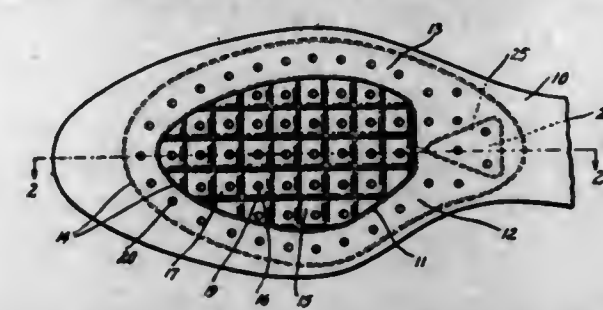
short end walls extending across ends of the bottom and braced at their ends by extensions integral with inner plies of the side walls, and portions of the inner ply of the bottom inwardly of the flaps being free from the side walls and bent upwardly to form spacers for engaging between bottoms of bottles resting upon the bottom of the carrier.

2,384,481

INSOLE-INSERT COMBINATION

Meyer Margolin, Elgin, Ill.

Application January 12, 1942, Serial No. 426,400
4 Claims. (Cl. 36-3)



1. In combination an insole and an insert, said insole having an opening in the forepart thereof, said insert comprising a fibrous material secured to an insert cover by cross mesh stitching so as to produce a quilt effect on the bottom of the fibrous portion to provide air channels for the circulation of air, said insert cover being secured to said insole, and perforations through said fibrous insert, said fibrous insert being thicker than said insole.

2,384,482

TERPENE ISOMERIZATION IN LIQUID PHASE

Robert W. Martin, Savannah, Ga., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 19, 1943,
Serial No. 476,487

20 Claims. (Cl. 260-675.5)

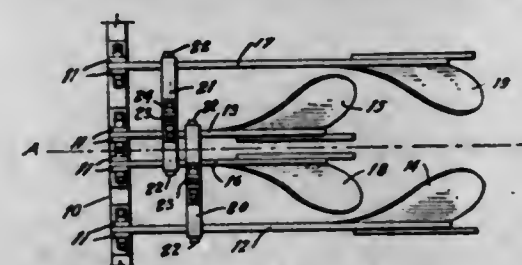
1. The process of isomerizing a bicyclic terpene containing material which comprises heating the material above its boiling in liquid phase in the presence of effective amounts of water as the sole catalyst.

2,384,483

PLOW ATTACHMENT FOR TRACTORS

Fred P. Noffsinger, Greeley, Colo.

Original application March 16, 1944, Serial No. 526,740. Divided and this application September 23, 1944, Serial No. 555,529
3 Claims. (Cl. 97-29)



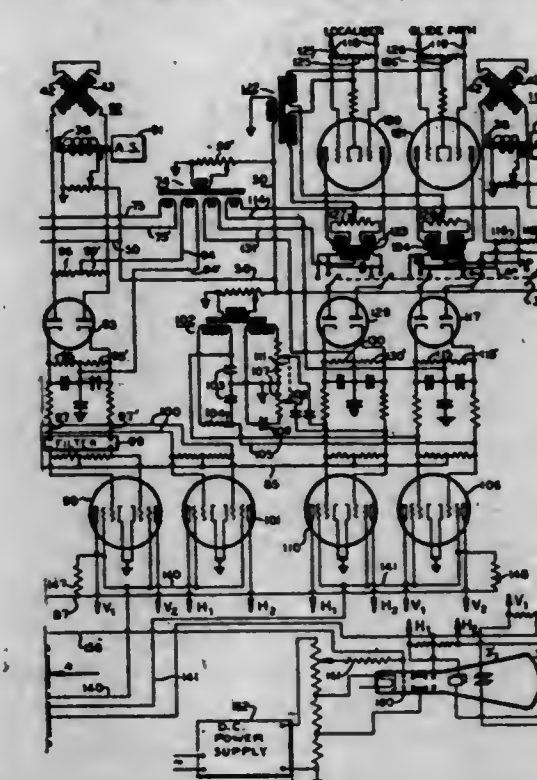
1. A two-way gang plow arrangement comprising: a rearward left-hand plow, a rearward right-hand plow, a forward right-hand plow, placed ahead of said rearward left-hand plow; a forward left-hand plow placed ahead of said rearward right-hand plow; a plow beam extending forwardly from each plow; means for pivotally mounting the forward extremity of each of said beams; a first lifting member connected to the beams of the two right hand plows; and a

second lifting member connected to the beams of the two left hand plows so that the rearward extremities of the beams of the right hand plows may be lifted independently of the rearward extremities of the beams of the left hand plows.

2,384,484

AIRCRAFT FLIGHT INDICATOR AND SYSTEM

Elwood Norden, Pelham, Frederick Q. Gemmill, Hempstead, and Eric J. Isbister, Brooklyn, N. Y., assignors to Sperry Gyroscope Company, Brooklyn, N. Y., a corporation of New York
Application February 8, 1941, Serial No. 378,030
11 Claims. (Cl. 177-311)



1. In an aircraft flight indicator, in combination, an aircraft instrument, pick-off means connected with said instrument for producing reversible phase alternating signal voltage responsive to the indication of said instrument, rectifier means connected for receiving said signal voltage, a source of center-leg alternating voltage with connections for supplying said voltage in common phase relation to said rectifier means, said center-leg voltage being connected to be additive with said signal voltage in part of said rectifier means and subtractive in the remainder of said rectifier means, a cathode ray tube having deflection circuits and connections for applying a version of the direct current output of said rectifier means to said deflection circuits to produce a pattern on the face of said cathode ray tube interpreting the indication of said instrument, said center-leg voltage serving to limit the direct current output of said rectifier means thereby preventing the cathode ray pattern from going off the face of the tube.

2,384,485

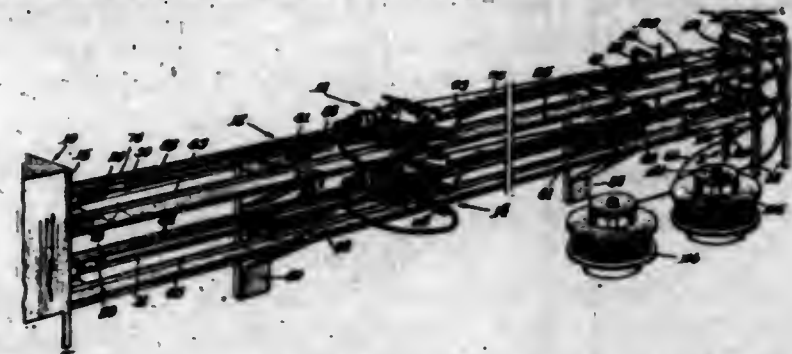
STRIP FORMING APPARATUS

Calhoun Norton, Chicago, Ill., assignor to Arens Controls, Inc., Chicago, Ill., a corporation of Illinois

Application April 23, 1942, Serial No. 440,265
22 Claims. (Cl. 153-67)

1. A metal strip forming apparatus comprising means for forming a metal strip into a series of concentric convolutions, said means including a member bodily shiftable axially of said convolutions during the forming operation, said member being shifted by the strip as it is formed, a rigid track structure for supporting said member during its shiftable movements, and cutter

means shiftable with said member and automatically operable as said member reaches a predetermined shifted position to sever the strip to thereby disable the effectiveness of said forming means.



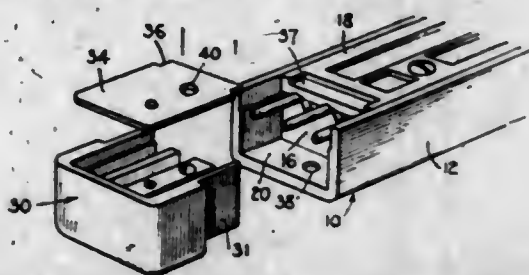
determined shifted position to sever the strip to thereby disable the effectiveness of said forming means.

2,384,486
STRIP FORMING APPARATUS
Calhoun Norton, Chicago, Ill., assignor to Arens Controls, Inc., Chicago, Ill., a corporation of Illinois
Application May 9, 1942, Serial No. 442,347
23 Claims. (Cl. 153-67)



1. A metal strip forming apparatus comprising means for forming a metal strip into an extended series of concentric convolutions, said means including a member bodily shiftable axially of said convolutions by the strip as it is coiled during the forming operation, and cutter means shiftable with said member and automatically operable as said member reaches a predetermined shifted position for disabling the effectiveness of said forming means by severing the strip.

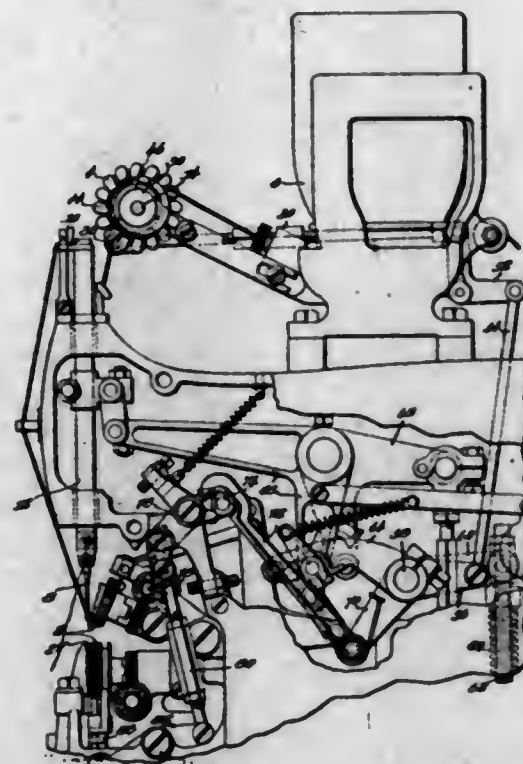
2,384,487
END CLOSURE MEANS FOR ELECTRIC WIRING UNITS
Joseph F. O'Brien, Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application November 26, 1942, Serial No. 467,031
2 Claims. (Cl. 173-334.1)



1. End closure means for an electrical conductor unit having a three-sided end socket formation and electrical conductors having their ends extending into and exposed within said three-sided end socket formation; said end closure means comprising a plug cap having a three-sided body with a closed end; and further comprising a plug portion extending from said body and dimensioned and contoured to be snugly received within said three-sided end socket formation; longitudinally extending mutually spaced septa of insulating material disposed within said body and its said extending plug portion serving to

form longitudinally extending pockets arranged to receive therein the said extending ends of said electrical conductors, and a closure plate for mutually closing said body and said end socket formation at their respective open sides.

2,384,488
SHOE SEWING MACHINE AND THREAD CONTROLLING DEVICE
Thomas F. Orr, St. Louis, Mo., and Leonard S. Curtin, Belmont, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 20, 1943, Serial No. 499,364
5 Claims. (Cl. 112-59)

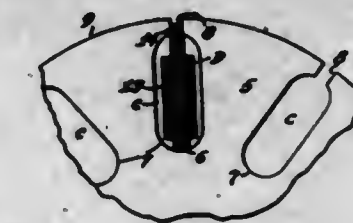


1. A shoe sewing machine having, in combination, stitch-forming devices including an eye-pointed needle, mechanism for actuating the stitch-forming devices, driving and stopping mechanism for disconnecting the needle from the actuating mechanism in a position with the needle disengaged from the work, a thread cutter actuated by the driving and stopping mechanism to sever the thread at the end of a seam close to the eye of the needle after being disconnected from the actuating mechanism, a rotary tension wheel having thread-engaging means about its periphery, and ratchet means for the tension wheel actuated by the driving and stopping mechanism when starting the machine in operation to provide slack thread at the needle sufficient in length for the proper formation of the first stitch of a seam, said ratchet means being arranged to be reset before the thread cutter is actuated at the end of a seam.

2,384,489
METHOD OF MAKING ELECTRIC MOTOR ROTORS
Harry Edward Pancher, Owosso, Mich., assignor to A. G. Redmond Co., Owosso, Mich., a corporation of Michigan
Original application January 5, 1942, Serial No. 425,668. Divided and this application August 18, 1942, Serial No. 455,225
8 Claims. (Cl. 29-155.53)

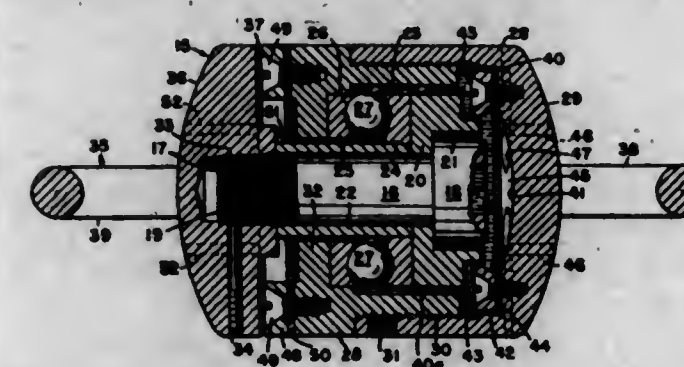
1. The method of making an electric motor rotor of the open slot type which comprises providing a shaft, forming in plates an opening for said shaft of slightly less diameter than that of the shaft and a series of radially extending slots having open ends of reduced width posi-

tioned at the outer peripheral face of said plates, forcing a group of said plates on said shaft to provide a laminated core rotatable with said shaft by frictional engagement therewith; arranging said plates so that their slots are in inter-communicating relation to form passageways extending transversely through said core in a plane parallel to the longitudinal axis of the shaft, placing an inductor bar in each of said passageways and making said bars of a size and configuration so that the bottoms of the



bars rest upon the bottoms of the slots forming the passageways and the bars are loose in said passageways with the exception of the upper ends of the bars which fit snugly within the reduced width portion of the plate slot outer open ends, machining the outer peripheral faces of said plates to provide a core which is a true circle, and continuing said machining operation until the top edges of the bars and the peripheral faces of the plates are in alignment to provide a rotor which is smooth and unbroken throughout the entire extent of its outer surface.

2,384,490
SWIVEL
John Plum, Washington, D. C., and Harry B. Maris, Riverdale, Md.
Application September 5, 1944, Serial No. 552,790
8 Claims. (Cl. 287-91)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

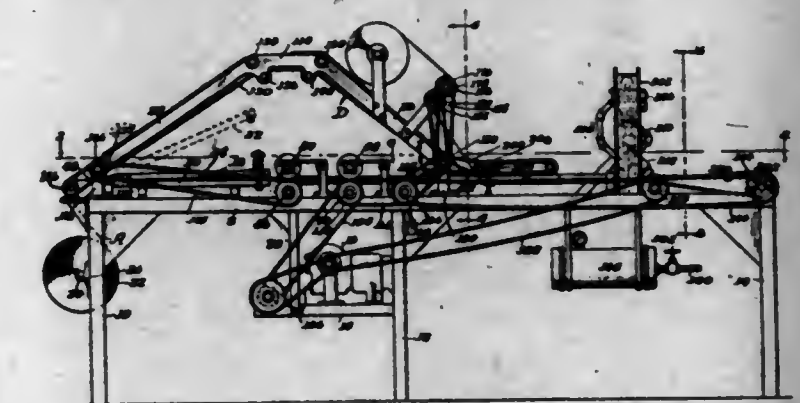


1. In a swivel, a shell constituting a housing, said shell being filled with lubricant and provided with a flexible wall exposed to the pressure of the medium surrounding the shell for applying and maintaining pressure in the shell substantially equal to the pressure externally of the shell.

2,384,491
METHOD OF TREATING VULCANIZED OILS
Karl Werner Posnansky, Stamford, Conn., assignor to The Stamford Rubber Supply Company, Stamford, Conn., a corporation of Connecticut
No Drawing. Application June 25, 1941, Serial No. 399,735
9 Claims. (Cl. 260-402.5)

5. In the manufacture of vulcanized oil products from fatty oils, the steps which comprise first mixing said fatty oil with sulphur and heating until the desired degree of vulcanization is obtained, and then treating the vulcanized fatty oil substantially at room temperature with ammonia, until the hardness of the vulcanized oil is substantially increased.

2,384,492
METHOD AND APPARATUS FOR PACKAGING
Eugene J. Rebecchini, Chicago, Ill., assignor, by mesne assignments, to Schutter Candy Company, Chicago, Ill., a corporation of Delaware
Application September 6, 1943, Serial No. 501,421
12 Claims. (Cl. 93-3)

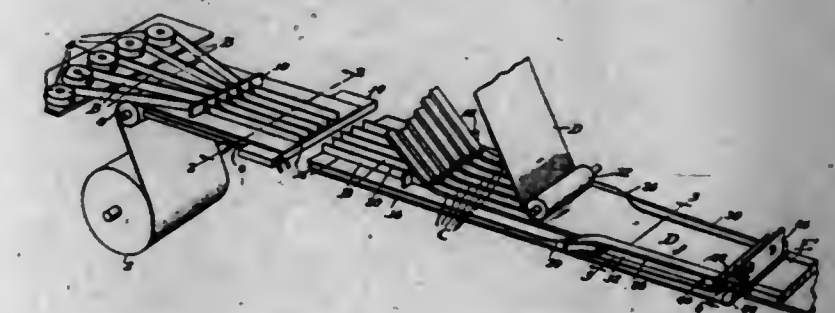


1. In an apparatus for packaging articles, the combination of, means for plaiting a continuous strip of packaging material into a plurality of grooves spaced laterally and extending lengthwise, means for inserting articles in continuous strips into said grooves, and means for severing packaged articles from the end of said continuous strip.

2,384,493
BRONZING LACQUER
Clifford Jay Rolle, Yonkers, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application October 10, 1940, Serial No. 360,608
3 Claims. (Cl. 117-46)

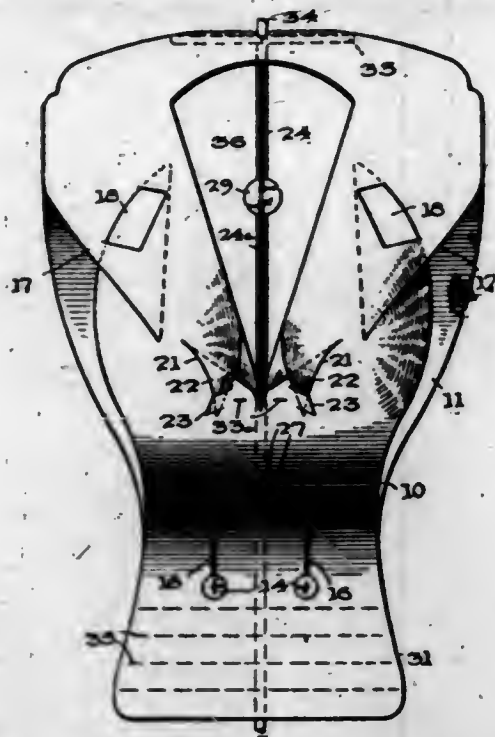
1. A lacquer comprising aluminum bronze powder in a vehicle consisting of a solution of nitrocellulose and camphor in volatile organic solvents, the camphor being present in at least as great quantity as the nitrocellulose, and not exceeding 1 1/2 times the quantity, the nitrocellulose and camphor together equalling at least four times the weight of the bronze, the lacquer being characterized by the fact that it produces films on metal which can be carbonized by heating in hydrogen to 900° C., to produce black surfaces which will withstand high temperatures and dissipate heat rapidly.

2,384,494
METHOD OF PACKAGING
George M. Schutter, Chicago, Ill., assignor, by mesne assignments, to Schutter Candy Company, Chicago, Ill., a corporation of Delaware
Application September 6, 1943, Serial No. 501,423
8 Claims. (Cl. 93-3)



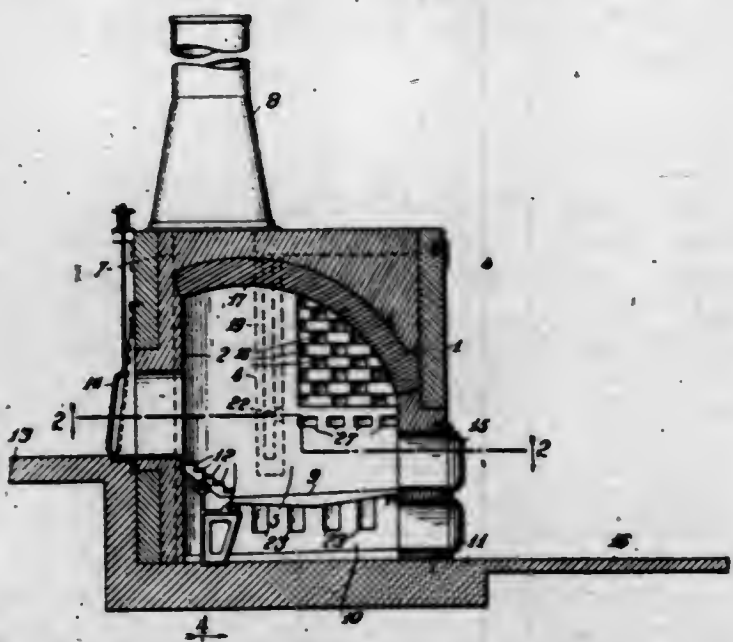
1. A method of packaging which comprises forming partitions spaced laterally and extending lengthwise on the end of a continuous strip of flexible sheet material, inserting an article into the spaces between said partitions and then completing the formation of the package.

2,384,495
GARMENT DISPLAY FORM
 Nellye Shafarman, Cleveland, Ohio
 Application June 8, 1944, Serial No. 539,302
 14 Claims. (Cl. 223-68)



1. A waist display form consisting of a back member, a front bust member movable toward and away from the back member, said members being secured together at their top and bottom edges, said back member being pliant and flexible between its points of attachment to the bust member, and said attached top edges of said members being movable forwardly and rearwardly of the form by flexing said back member, and means for forcing said top and bottom edges toward each other to flex the back member forwardly at one of its said edges whereby the intermediate portion of the bust member is moved forwardly with respect to the intermediate portion of said back member.

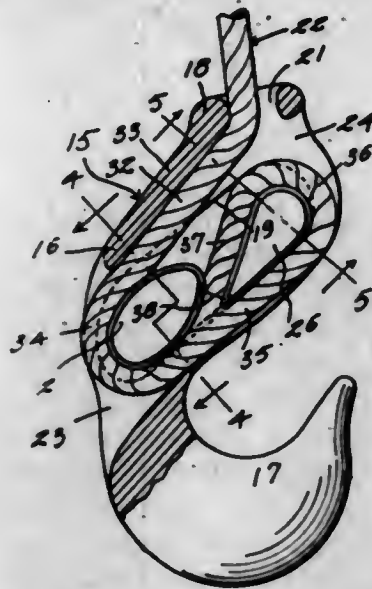
2,384,496
GARBAGE INCINERATOR
 Hugh W. Sharpe, Chicago, Ill.
 Application December 29, 1941, Serial No. 424,687
 9 Claims. (Cl. 110-8)



1. A structure of the type specified comprising a combustion chamber equipped with a grate and with an arched top wall having its axis extending transversely of the side walls of said chamber and having one end thereof terminating at a point spaced a shorter distance from said grate than its other end, gate controlled openings at opposite ends of said chamber, a downdraft flue disposed beyond a side wall of said chamber and communicating therewith through an opening in

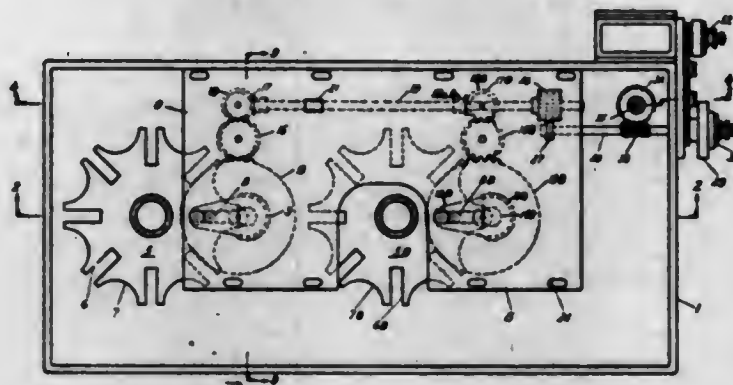
said side wall disposed closely proximate to the lower end of said arched wall, a chimney flue, and a hollow curtain wall between said flues and providing a flue therebetween connected at its upper end portion with atmosphere and at its lower end portion with said downdraft flue.

2,384,497
SLING FITTING
 Robert W. Siler, Oak Ridge, Tenn.
 Application September 28, 1944, Serial No. 556,213
 5 Claims. (Cl. 294-74)



1. A fitting as set forth comprising a hook formed with a shank and a bill, said shank having an elongated opening transversely there-through and inclined to the length thereof, said shank also being formed with a slot communicating with said opening and opening through the rear side of said shank, said shank also having an opening through the upper end thereof and communicating with said slot, and a pair of oppositely disposed line clamping wedge members engageable in said slot.

2,384,498
GLASS FORMING MACHINE
 Theodore H. Sloan, Charleroi, Pa., assignor to
 G. M. S. Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
 Application September 3, 1938, Serial No. 228,337
 9 Claims. (Cl. 49-9)

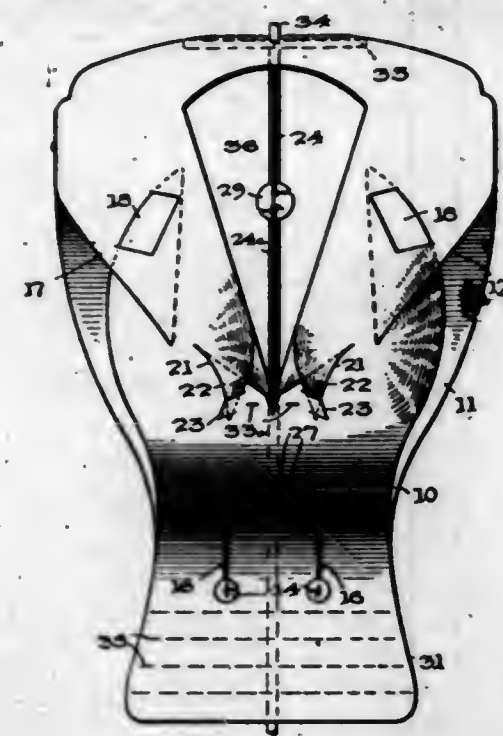


1. In a ware forming mechanism, the combination of a glass fabricating machine comprising a rotary table structure having thereon an annular series of molds, a mechanical drive for rotating the table structure in a step-by-step motion made up of dwell and index periods to bring the molds in turn into feeding and fabricating stations, a drive shaft arranged to operate the mechanical drive, a second drive shaft arranged to operate a glass feeding mechanism for supplying charges of molten glass to the molds as the latter are presented thereto, a motor, a clutch on each of said shafts, means connecting the motor to the clutches to continuously rotate the latter, said clutches being arranged to independently con-

2,384,495

GARMENT DISPLAY FORM

Nellye Shafarman, Cleveland, Ohio
Application June 8, 1944, Serial No. 539,302
14 Claims. (Cl. 223-68)

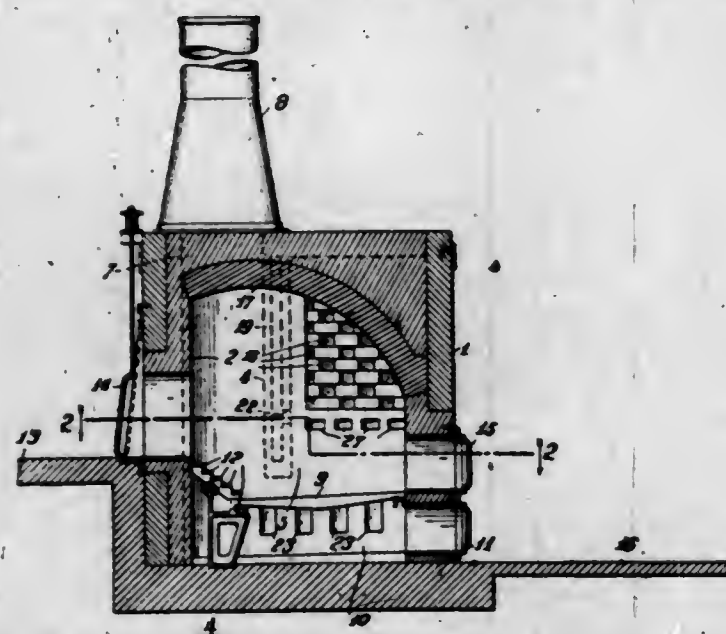


1. A waist display form consisting of a back member, a front bust member movable toward and away from the back member, said members being secured together at their top and bottom edges, said back member being pliant and flexible between its points of attachment to the bust member, and said attached top edges of said members being movable forwardly and rearwardly of the form by flexing said back member, and means for forcing said top and bottom edges toward each other to flex the back member forwardly at one of its said edges whereby the intermediate portion of the bust member is moved forwardly with respect to the intermediate portion of said back member.

2,384,496

GARBAGE INCINERATOR

Hugh W. Sharpe, Chicago, Ill.
Application December 29, 1941, Serial No. 424,687
9 Claims. (Cl. 110-8)



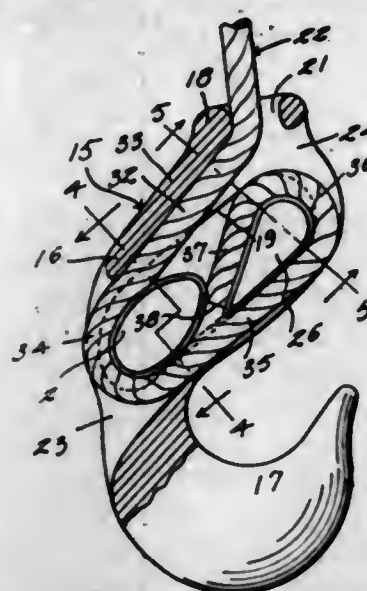
1. A structure of the type specified comprising a combustion chamber equipped with a grate and with an arched top wall having its axis extending transversely of the side walls of said chamber and having one end thereof terminating at a point spaced a shorter distance from said grate than its other end, gate controlled openings at opposite ends of said chamber, a downdraft flue disposed beyond a side wall of said chamber and communicating therewith through an opening in

said side wall disposed closely proximate to the lower end of said arched wall, a chimney flue, and a hollow curtain wall between said flues and providing a flue therebetween connected at its upper end portion with atmosphere and at its lower end portion with said downdraft flue.

2,384,497

SLING FITTING

Robert W. Siler, Oak Ridge, Tenn.
Application September 28, 1944, Serial No. 556,213
5 Claims. (Cl. 294-74)

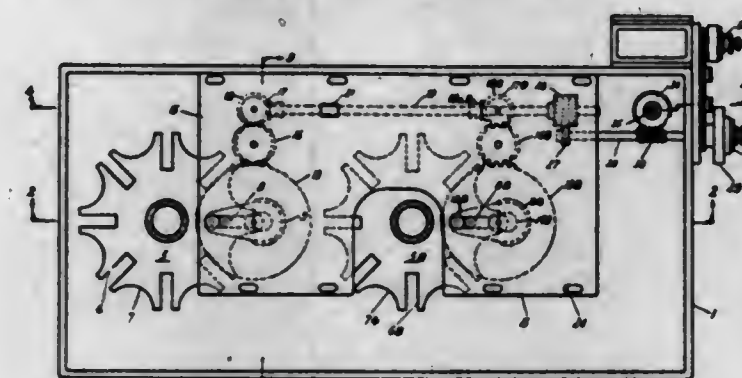


1. A fitting as set forth comprising a hook formed with a shank and a bill, said shank having an elongated opening transversely there-through and inclined to the length thereof, said shank also being formed with a slot communicating with said opening and opening through the rear side of said shank, said shank also having an opening through the upper end thereof and communicating with said slot, and a pair of oppositely disposed line clamping wedge members engageable in said slot.

2,384,498

GLASS FORMING MACHINE

Theodore H. Sloan, Charleroi, Pa., assignor to G. M. S. Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 3, 1938, Serial No. 228,337
9 Claims. (Cl. 49-9)



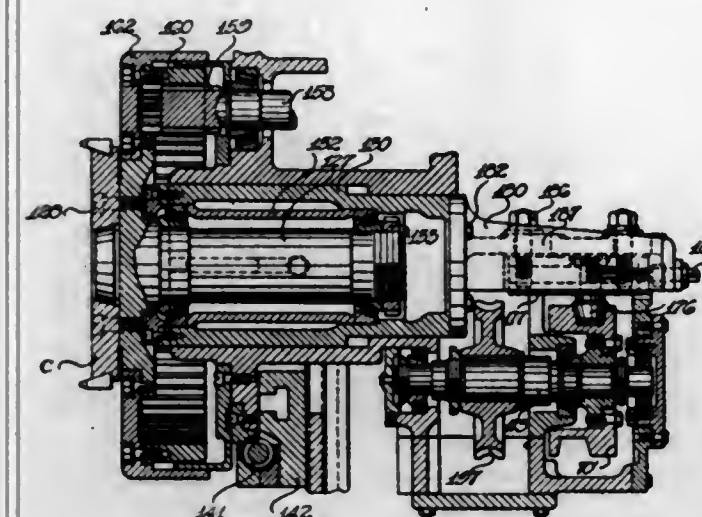
1. In a ware forming mechanism, the combination of a glass fabricating machine comprising a rotary table structure having thereon an annular series of molds, a mechanical drive for rotating the table structure in a step-by-step motion made up of dwell and index periods to bring the molds in turn into feeding and fabricating stations, a drive shaft arranged to operate the mechanical drive, a second drive shaft arranged to operate a glass feeding mechanism for supplying charges of molten glass to the molds as the latter are presented thereto, a motor, a clutch on each of said shafts, means connecting the motor to the clutches to continuously rotate the latter, said clutches being arranged to independently con-

nect the shafts for rotation by said motor, and means to inversely change the dwell and index periods of the table structure motion independently of the speed of the drive shafts to suit the particular character of ware being formed.

2,384,499

METHOD OF CUTTING GEARS

Arthur L. Stewart, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application July 15, 1939, Serial No. 284,697
9 Claims. (Cl. 90-9.4)

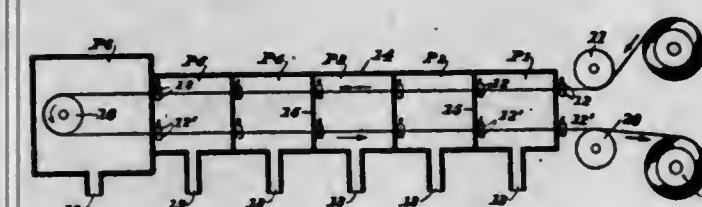


1. The method of cutting a gear which comprises cutting each of its tooth spaces by rotating a cutter, that has a plurality of cutting blades, in engagement with the gear blank while simultaneously producing a relative depthwise movement between the cutter and blank during a plurality of revolutions of the cutter, and interrupting the feed movement during each revolution of the cutter except the last when certain blades of the cutter are passing across the face of the gear blank.

2,384,500

APPARATUS AND METHOD OF COATING

Charles C. Stoll, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application July 8, 1942, Serial No. 450,164
4 Claims. (Cl. 117-119)



1. The method of coating in vacuum comprising continuously traveling material from the atmosphere into and through a plurality of successive stages of reduced pressure in advance of a coating stage, the first stage being open to the atmosphere and the subsequent stages including the coating stage communicating consecutively, openly and directly with each other, maintaining the reduced pressure in each stage including the coating stage below the pressure of the immediately previous stage, maintaining the reduced pressure in said coating stage effective to assure removal of substantially all extraneous gases from the coating stage and the traveling material, and coating the material while it is traveling through said coating stage.

578 O. G.-14

2,384,501

PLATINUM METAL CATALYSTS AND THE MANUFACTURE THEREOF

Johann S. Strelcher, Newark, N. J., assignor to The American Platinum Works, Newark, N. J., a corporation of New Jersey
No Drawing. Application February 2, 1942, Serial No. 429,294
9 Claims. (Cl. 252-259)

1. The method of preparing platinum metal catalysts, comprising alloying platinum metal with at least one base metal capable of forming a chemical combination with said platinum metal, and removing the base metal from said alloy by means of a chemical treatment embodying at least in its final stage the employment of acid, whereby there is produced finely divided platinum metal of high catalytic activity.

2,384,502

METHOD OF PREVENTING CORROSION BY PHOSPHORUS

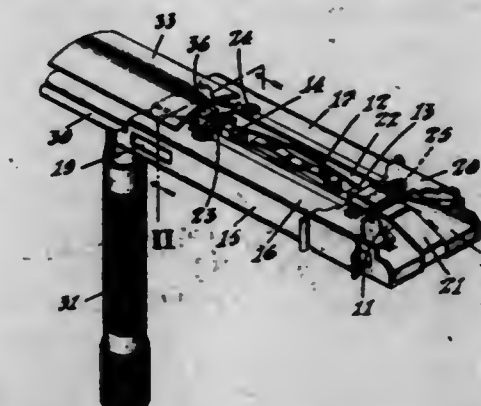
Johann S. Strelcher, Newark, N. J., assignor to The American Platinum Works, Newark, N. J., a corporation of New Jersey
No Drawing. Application November 21, 1942, Serial No. 466,503
3 Claims. (Cl. 23-1)

1. The method of incinerating organic substances containing phosphorus, comprising incinerating said organic substance in an incinerating vessel constructed of an alloy of platinum and gold containing from 0.2% to about 6% gold.

2,384,503

MAGAZINE FOR SAFETY RAZORS

Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application December 3, 1942, Serial No. 467,710
9 Claims. (Cl. 206-16)



1. A magazine for safety razor blades including in its structure an elongated casing for a blade stack having a top wall defining blade-exit passages at opposite ends of the casing, gates normally closing said passages, and spring means located within said casing constructed and arranged to be operated selectively for moving either gate to blade-releasing position independently of blade movement within said casing.

2,384,504

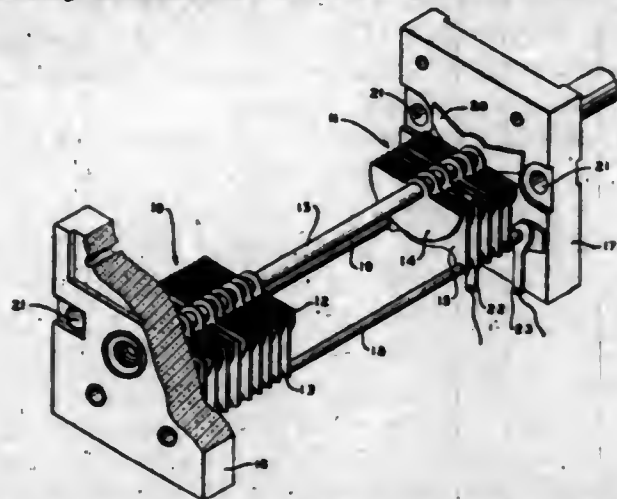
RESONANT CIRCUIT

Edwin P. Thias, Hollywood, Calif.
Application June 27, 1944, Serial No. 542,422
4 Claims. (Cl. 250-40)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The combination in a parallel-resonant circuit comprising an inductor having capacitive means for varying the effective inductive reactance thereof, and a variable capacitor me-

chanically ganged to said capacitive means and electrically shunted across said inductor whereby



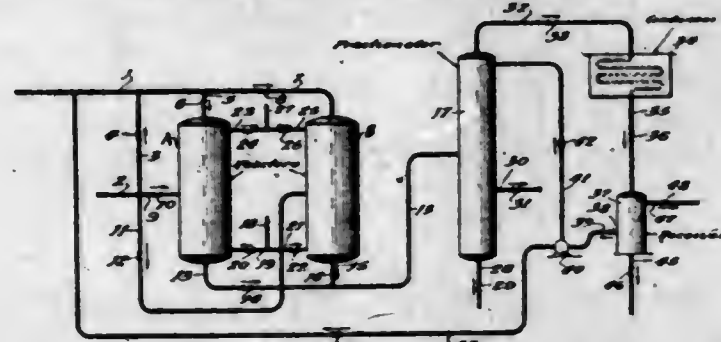
changes in the value of said capacitor are accompanied by changes in the value of said inductor.

2,384,505

TREATMENT OF HYDROCARBONS

Charles L. Thomas and Vladimir Haensel, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application August 14, 1942, Serial No. 454,834
14 Claims. (Cl. 260—671)

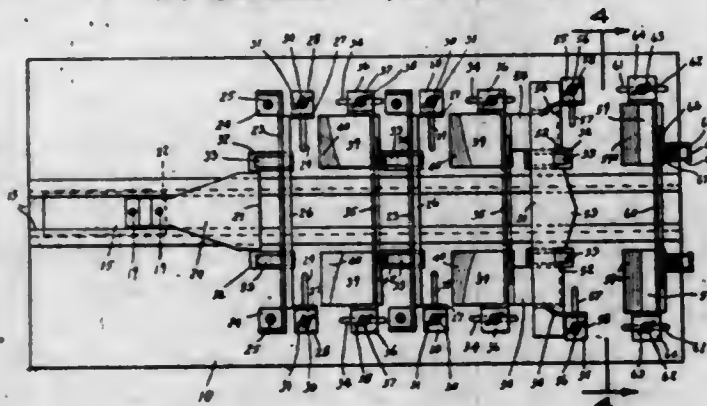


1. A process for producing substantial yields of alkylated aromatic hydrocarbons which comprises subjecting aromatic hydrocarbons and alcohols to contact with a composite catalyst comprising precipitated silica and alumina for a time of contact of not more than 15 minutes.

2,384,506

ENVELOPE STUFFING MACHINE

Russell H. Thompson, Indianapolis, Ind.
Application October 21, 1943, Serial No. 507,101
17 Claims. (Cl. 93—6)

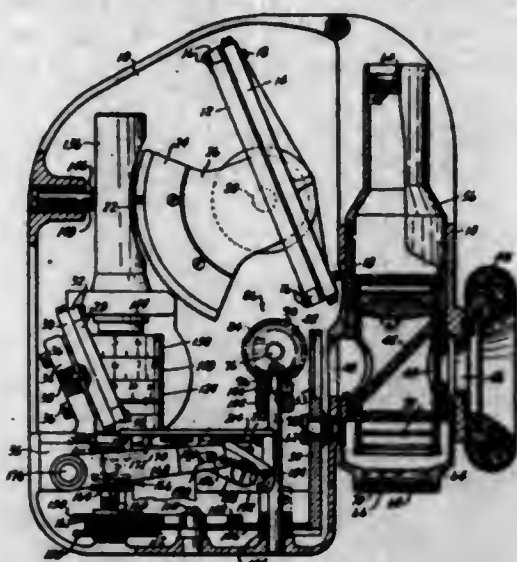


1. Mechanism for stuffing envelopes and/or nesting inserts comprising in combination a plurality of substantially open mouthed reservoirs sequentially arranged and having their mouths substantially coplanar, and a single ram movable adjacent the mouths and from reservoir to reservoir in succession for the purpose described, each reservoir including at its rearward side a unit supporting ledge means immediately above the ram path of movement, the reservoir mouth permitting positioning of the ledge means supported unit in the path of the ram, the reservoir having a unit discharge lateral outlet opposite the said ledge means.

2,384,507

OBSERVATION INSTRUMENT

Thomas L. Thurlow, Venice, Calif.
Application April 11, 1944, Serial No. 530,565
25 Claims. (Cl. 88—2.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



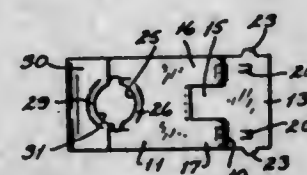
1. An observation instrument for determining the position of an object with respect to a predetermined reference point when relative motion of an oscillatory nature exists between the object and the reference point, said instrument comprising an eyepiece for viewing an object, reference means providing a reference point viewable in said eyepiece, optical means including a manipulable index member for enabling the image of the object and the image of the reference point to be simultaneously viewed in a superimposed relationship through said eyepiece, means for indicating the position of said index member, and means for limiting the speed of movement of said index member to a speed less than the speed of relative motion between the object sighted and the reference point so as to enable an accurate reading therefrom to be rapidly obtained.

2,384,508

FASTENING DEVICE

George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Original application December 22, 1938, Serial No. 247,158, now Patent No. 2,346,712, dated April 18, 1944. Divided and this application February 3, 1943, Serial No. 474,554. In Canada October 27, 1939

4 Claims. (Cl. 85—32)

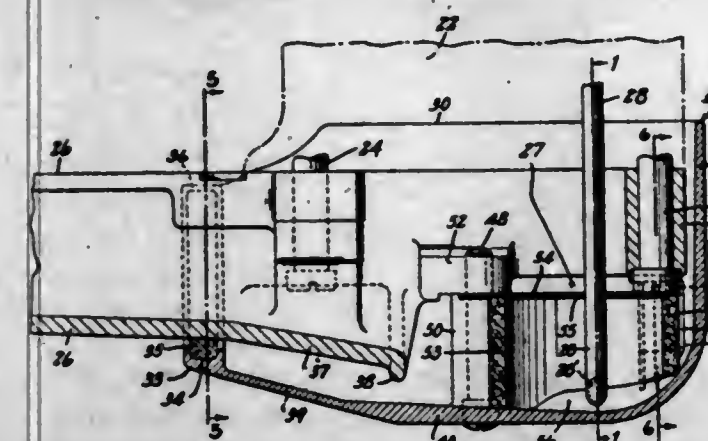


1. A fastener comprising a strip of sheet material offset intermediately to provide two arms, one of the arms carrying means to engage a member to be held in place and the other arm having tabs at its lateral edges, a lug projecting from that face of the last-mentioned arm which is adjacent the plane of the other arm, the arm carrying the lug having also a tongue extending across the plane of the other arm but spaced from it, whereby the second-mentioned arm may overlap four margins of a rectangular opening through which the first-mentioned arm may be passed.

2,384,509

SEWING MACHINE

Norman F. Townsend, Port Chester, and Francis P. Tamburro, Ozone Park, N. Y., assignors to Wilcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York
Application May 28, 1942, Serial No. 444,852
13 Claims. (Cl. 112—256)

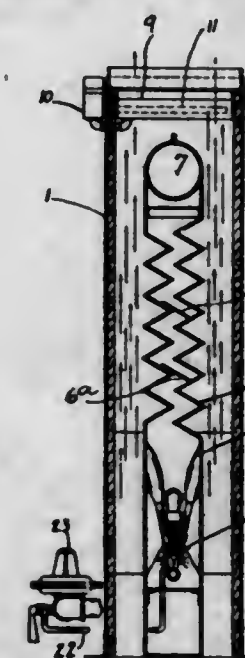


4. In a sewing machine the combination of a frame having an opening; a sump member having a pivot section for engaging the frame and a spaced seal section with a generally upwardly facing channel; a gasket in said channel; and means disposed intermediate said sections adapted to concurrently move said sump member about the pivot section and to clamp the gasket between the frame and the channel in the seal section of the sump.

2,384,510

HEATING APPARATUS

Charles Volkman, Dayton, Ohio, assignor to Joseph M. Downing, Dayton, Ohio
Application August 19, 1940, Serial No. 353,231
11 Claims. (Cl. 126—116)



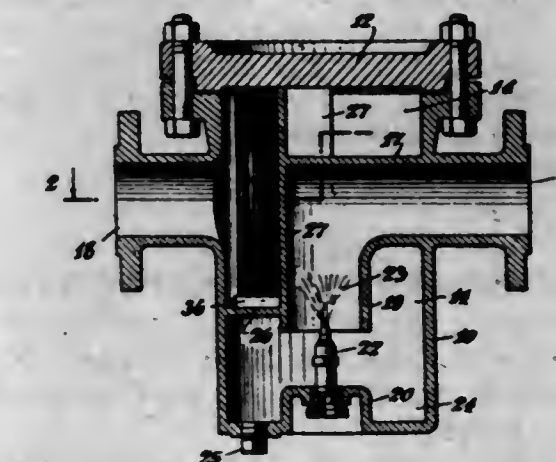
1. In a heater, a thermally insulated housing having air inlet and outlet openings, a combustion chamber therein, vertically disposed horizontally corrugated parallel walls within the housing disposed in spaced relation with each other and with the housing walls forming a vertically zigzagged flue space therebetween leading from the combustion chamber to the exterior of the housing, air passages from the inlet to the outlet openings intermediate the housing walls and the walls of the combustion chamber and zig-zag flue through which air currents circulate in intimate contact with the zig-zag surfaces of the flue, transverse staggered baffles within the flue defining therein a zig-zag course for products of combustion transversely of the zig-zag course defined by the zig-zag flue walls, an elongated burner within the combustion chamber including a manifold connected with a fuel gas supply, a plurality of tapered jets projecting therefrom in

alternating outwardly inclined relation, a plurality of divergently inclined mixer tubes open at their opposite ends disposed in spaced, axially aligned relation with the jets, directing the discharge from said jets against the inner faces of the combustion chamber walls, the discharge ends of said tubes being overhung by the flue wall corrugations, a support in elevated substantially parallel relation with the gas manifold to which the mixer tubes are attached for relative axial adjustment of the tubes and tapered jets.

2,384,511

DESUPERHEATER

Adolph J. Wegmann, Flushing, N. Y., assignor to Dri-Steam Products, Inc., a corporation of Delaware
Application April 9, 1942, Serial No. 438,295
5 Claims. (Cl. 183—22)



1. Apparatus for treating superheated steam comprising means defining a chamber having inlet and outlet connections, said inlet connection having a terminal portion formed within and extending downwardly into the lower portion of said chamber, a nozzle disposed to atomize and spray water upwardly into the open end portion of said inlet connection counter to the flow of superheated steam downwardly therethrough, a horizontal partition extending inwardly of said chamber from its side wall at the outlet side thereof and beneath said outlet connection to said terminal portion of said inlet connection, and terminating short of the opposite side wall of said chamber, said partition, the side walls of said chamber and said terminal portion of said inlet connection further defining therebetween an enlarged space beneath and immediately adjacent the open end of said terminal portion in communication with a second enlarged space above said partition, whereby steam passing downwardly through said terminal portion in counter-current relation to a water spray injected upwardly into said terminal portion is caused to take a sharp reversal in direction of flow upwardly to said second enlarged space in flowing toward said outlet connection, and a body of wire mesh supported on said partition and defining a plurality of narrow passageways through which steam passing upwardly from the open end of said inlet connection to the space above said partition must travel in flowing to said outlet connection.

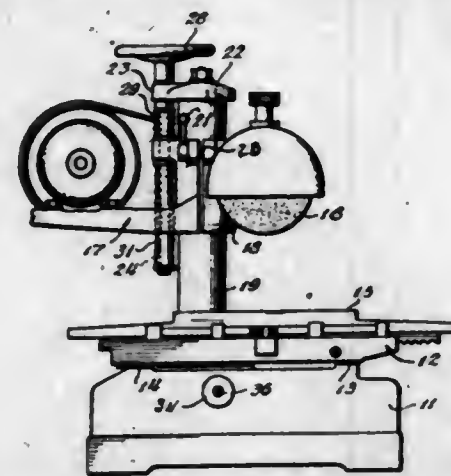
2,384,512

MACHINE PROTECTIVE APPARATUS

Christy A. Wilken and Eric A. Reibig, Milwaukee, Wis., assignors, by mesne assignments, to The Delta Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 5, 1944, Serial No. 517,150
2 Claims. (Cl. 51—268)

1. In combination with a shiftable member and a rotatable feed screw threadedly connected

thereto and projecting from opposite sides thereof, longitudinally flexible tubular casing means surrounding the exposed threads of said screw, said casing being expansible and contractible so as to be automatically maintained axially co-

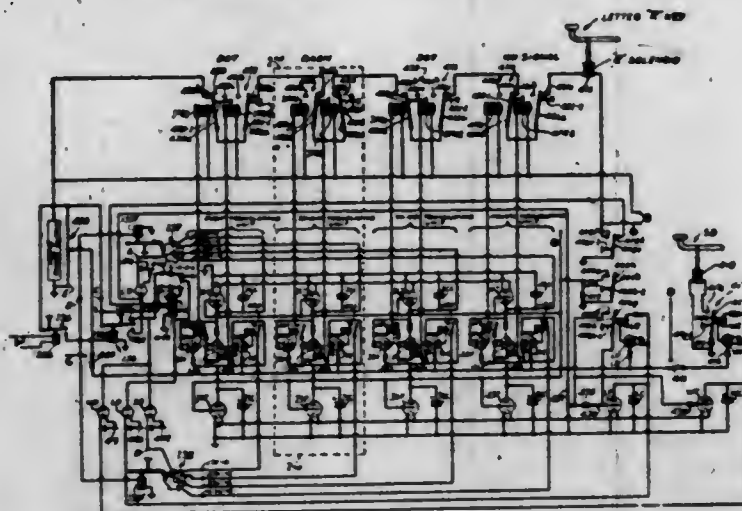


extensive with said screw during all conditions of operation, and said casing means maintaining substantially uniform inner diameter during said conditions so as to avoid engagement with said feed screw threads.

2,384,513

CODE-CONTROLLED APPARATUS

Arthur C. Winter, Teaneck, N. J., assignor of one-tenth to Henry J. Lucke, East Orange, N. J., and one-twentieth to Philip A. Mallinckrodt, Salt Lake City, Utah
Application December 28, 1943, Serial No. 515,952
23 Claims. (Cl. 178-26)



7. In code-controlled apparatus, means for receiving transmitted code-signals, means establishing a voltage corresponding to a received code-signal; means establishing a second voltage corresponding to a code-space; means for comparing the two voltages; and means including permutation means responsive to the said comparing means.

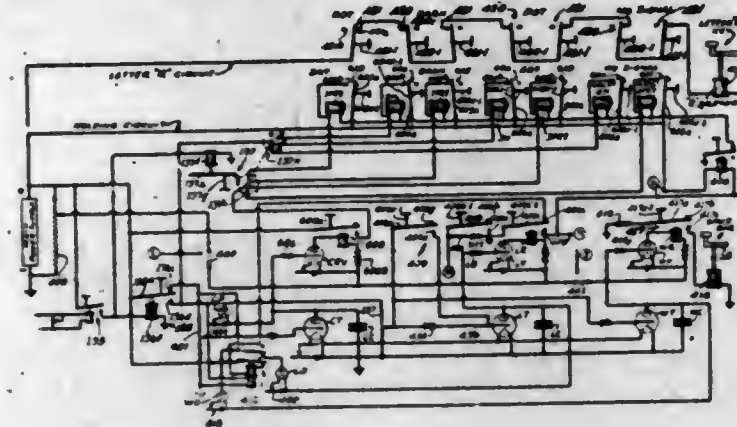
2,384,514

CODE-CONTROLLED APPARATUS

Arthur C. Winter, Teaneck, N. J., assignor of one-tenth to Henry J. Lucke, East Orange, N. J., and one-twentieth to Philip A. Mallinckrodt, Salt Lake City, Utah
Application December 28, 1943, Serial No. 515,956
9 Claims. (Cl. 178-26)

6. In code-controlled apparatus, means for electrically measuring each short code-space which occurs first in any group of successive code-signals received by the apparatus; means for electrically holding the respective measurements made by said measuring means; means for establishing respective electrical regulator values which are substantially equivalent to the respective electrical measurements held by said

holding means, for use during the respectively next subsequent groups of successive code-signals; means for electrically measuring respective code-signals as they are received by the

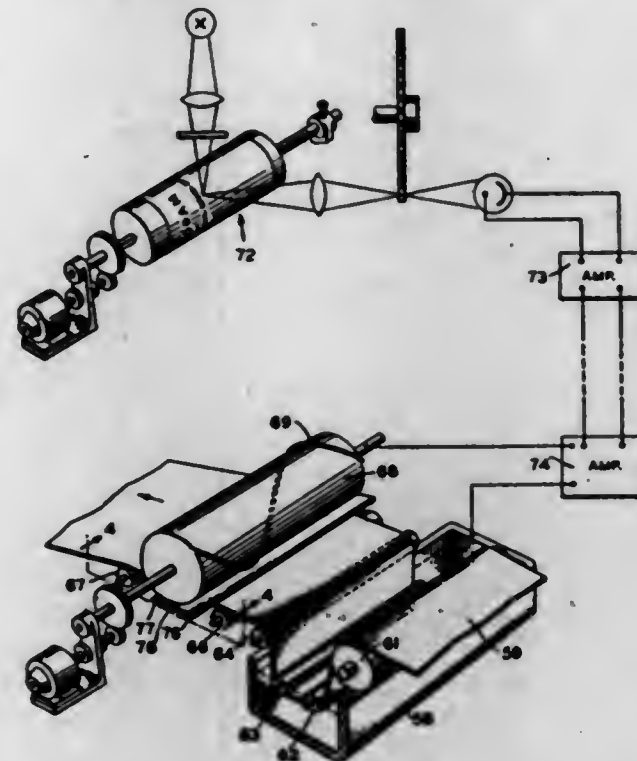


apparatus; means for electrically comparing the respective code-signal measurements with the respective regulator values with which they are concerned; and means responsive to said comparing means.

2,384,515

SIGNAL RECORDING APPARATUS

Raleigh J. Wise, Dunellen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application January 13, 1943, Serial No. 472,210
9 Claims. (Cl. 234-1)



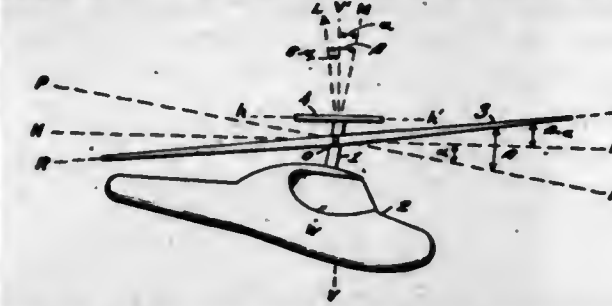
1. In a recorder, a record receiving member comprising a reticulated web containing in the interstices thereof a substantially uniformly dispersed visible liquid, means to remove said liquid from said interstices over selected areas of said member, and electrically responsive means to cause selective operation of said liquid removing means.

2,384,516
AIRCRAFT

Arthur Middleton Young, Paoli, Pa., assignor to Bell Aircraft Corporation, Buffalo, N. Y., a corporation of New York
Application November 10, 1941, Serial No. 418,619
26 Claims. (Cl. 244-17)

1. In an aircraft, a frame, a bearing mounted on said frame, a rotating airscrew comprising a hub and a plurality of blades, means mounting said hub upon said bearing for rotation, means mounting said blades on said hub, means for vary-

ing the blade effective incidences during rotation, a rotating inertia means mounted on said fuselage for universal inclination of its plane of rotation with respect to said fuselage, the axis of rotation of the inertia means being directed generally in the direction of the axis of rotation of said hub,

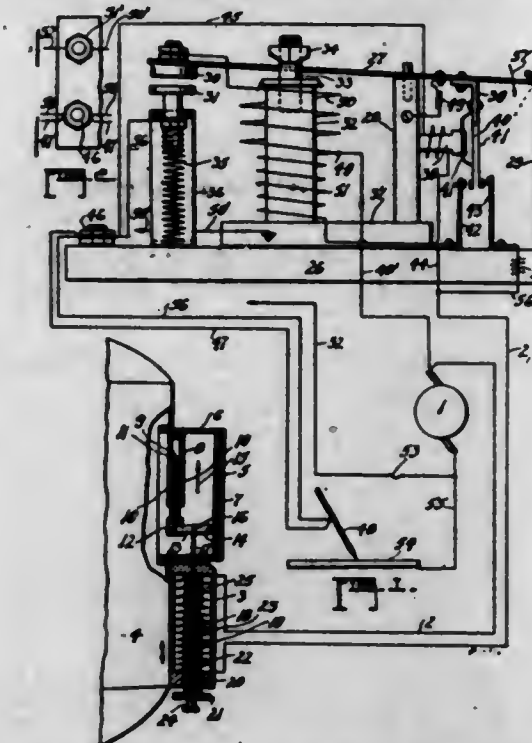


and means interconnecting said rotating inertia means and said blade incidence varying means, said interconnecting means being operably responsive to the inclination of the plane of rotation of said inertia means with respect to said fuselage to vary the effective incidence of said blades cyclically during rotation.

2,384,517

AUTOMATIC WELDING VISOR SHUTTER

Walter B. Zimmerman, William A. Martin, and Joseph Chisik, Winnipeg, Manitoba, Canada
Application April 13, 1942, Serial No. 438,700
5 Claims. (Cl. 2-8)



1. In the art of electric arc welding, an automatic electrically operated visor shutter and associated mechanism for operating said shutter, comprising an electrically energized element adjacent said shutter and connected to a source of electromotive force capable of moving said shutter into and out of eye shielding position, a relay connected to a source of electromotive force, a welding electrode connected to said relay, a grounded welding table, current flowing through said element to cause the closing of said shutter upon application of said electrode to said table, and means in said relay for delaying the completion of a circuit of arc welding voltage until said shutter has been moved into eye shielding position.

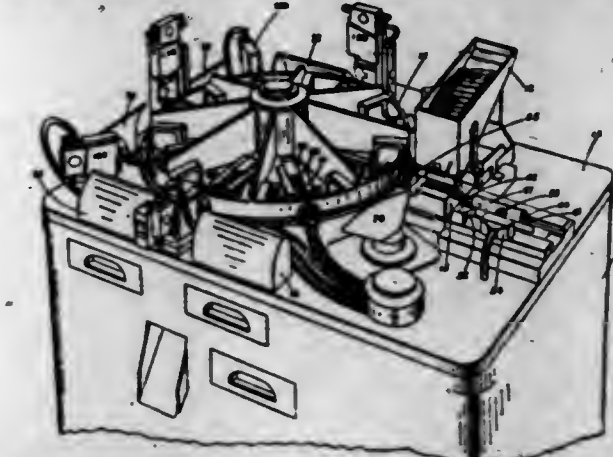
2,384,518

GAUGING DEVICE

Willis Fay Aller, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application August 28, 1942, Serial No. 456,513
8 Claims. (Cl. 209-75)

2. Gauging apparatus of the character described comprising a support, a carrier rotatably

mounted on said support for movement about a vertical axis and having a series of article receiving chambers, means for intermittently rotating said carrier to advance articles placed therein from a supply station through a series of gauging stations, a gauge unit on said support at each of the gauging stations, means controlled by said gauge units for causing ejection of arti-

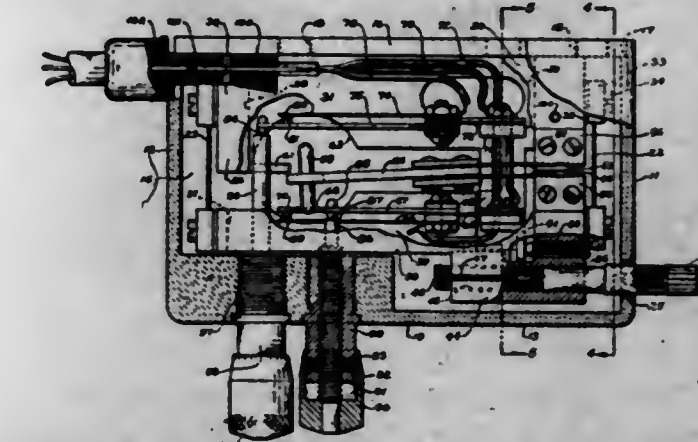


cles from the carrier that fail to meet the gauging test, means for ejecting the articles remaining in the carrier after all the gauging tests, a rotatable weighing apparatus coaxial with said carrier and below the carrier for receiving and weighing articles ejected from the carrier by said last named means, and means for rotating said weighing apparatus in timed relation with said carrier.

2,384,519

GAUGING DEVICE

Willis Fay Aller, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application April 26, 1943, Serial No. 484,529
12 Claims. (Cl. 32-172)



1. Gauging apparatus comprising a support, a stationary member fixed to said support, a movable member arranged adjacent said stationary member, said members each comprising a pair of spaced end blocks and a pair of parallel spaced metal strips interconnecting said blocks, a pair of parallel spring strips secured to said members and supporting the movable member for reciprocatory movement on the stationary member, means on said movable member adapted for operation by a workpiece, a pair of parallel spring reeds one connected to an end block of the stationary member and the other connected to an end block of the movable member, and means secured to both of said spring reeds and operated thereby and arranged within the space defined by the metal strips of said members.

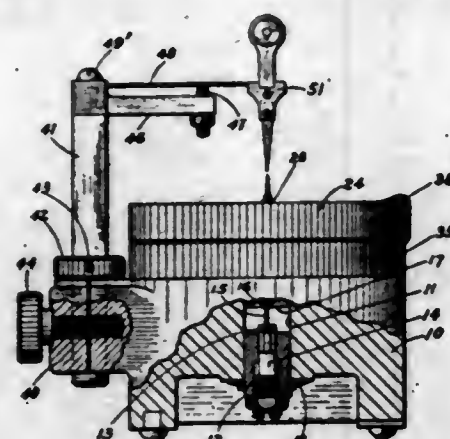
2,384,520

SPRING GAUGING DEVICE

Willis Fay Aller, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application April 17, 1944, Serial No. 531,354
5 Claims. (Cl. 73-161)

2. In a spring testing gauge having a support and a torsion spindle rotatably mounted in

said support and adapted for attachment to an end of a specimen spring, a spring anchorage adjustably mounted on said support, a control spring connected at one end to said anchorage and at its other end to said spindle, a post carried by said support, a spring blade carried at

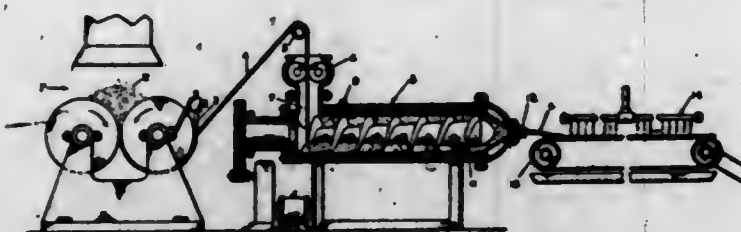


one end thereof by said post and projecting over the specimen spring position, an abutment carried by said post and engaging one side of said spring blade, and a pair of arms carried by said spring blade adjacent the specimen spring position and operable to seize an end of the specimen spring.

2,384,521

METHOD FOR EXTRUDING THERMO-PLASTIC COMPOSITIONS

Bjorn Andersen, Maplewood, N. J., and Raymond F. Straddin, New York, N. Y., assignors, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware
Application April 16, 1940, Serial No. 329,858
7 Claims. (Cl. 18—55)



1. Method of forming smooth, glass-like, tough and blister-free non-warping articles of thermo-plastic materials, which comprises homogenizing and converting an organic derivative of cellulose composition in the absence of volatile solvents at an elevated temperature, feeding the heated converted composition to a space heated to a temperature of about 0° F. to about 100° F. below the Olsen-Bakelite flow test temperature for said organic derivative of cellulose composition and forcing the heated composition through a passage heated to a temperature of about 50° F. to about 100° F. above said flow test temperature.

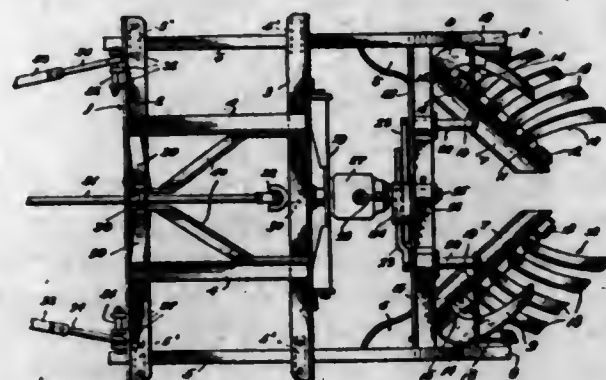
2,384,522

AGRICULTURAL IMPLEMENT

Raymond E. Averitt, Albany, Ga.
Application December 6, 1943, Serial No. 513,133
4 Claims. (Cl. 55—110)

4. An agricultural machine of the character described comprising a frame, plows carried by said frame and spaced from each other transversely thereof, said plows having shares and blades extending therefrom inwardly of the frame at a rearward incline in rearward converging relation to each other with their rear ends, spaced from each other, rocker shafts extending longitudinally of said blades and rotat-

ably mounted back of the blades, fingers extending outwardly and upwardly from said rocker shafts and together therewith constituting movable conveyors for receiving vegetation from the plows and depositing same in a windrow upon the ground between rear ends of the blades after shaking dirt from the vegetation, arms extending from said rocker shafts, bell cranks having shafts extending longitudinally of the frame and oppo-

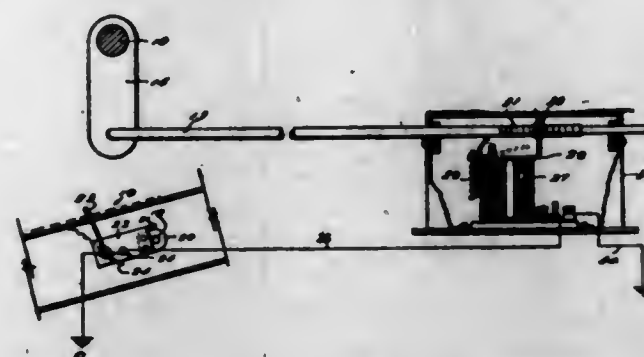


sitely extending front and rear arms, the rear arms being connected with the arms of the rocker shafts for rocking the shafts and vibrating the movable conveyors, and mechanism for actuating the bell cranks including a rotatable driven shaft carrying a cam disposed between the bell cranks and engaging the front arms of the bell cranks for actuating the bell cranks as the driven shaft rotates.

2,384,523

SHEET DELIVERY CONTROL ARRANGEMENT IN PRINTING PRESSES

Malcolm R. Bellamy, Kingsport, Tenn., assignor of fifty per cent to Albert L. Bellamy, Kingsport, Tenn.
Application October 17, 1944, Serial No. 559,008
1 Claim. (Cl. 271—57)

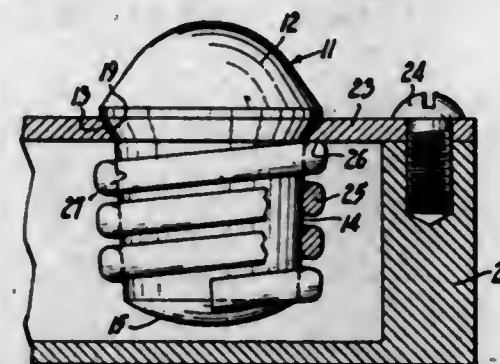


In a printing press of the type specified provided with a printing cylinder, a trip-out shaft, a main control switch, controlling the operation of the printing press, a reciprocating control bar operating said switch when arrested and guarding means associated with said control bar for stopping said printing press, a delivery belt on the printing press and a sheet delivery control arrangement both arranged on the sheet delivery end of the printing press, the latter comprising a stop fixed to the reciprocating control bar, a movable stop cooperating therewith, arranged within the travelling path of the fixed stop, means for removing the movable stop from its operative position in said path including an electromagnet, an armature and an operative circuit for the electromagnet, a delivery control switch, arranged near said delivery belt and a movable feeler projecting into the path along which the sheets are delivered and depressed by each sheet delivered from the printing press for operating said switch, said switch closing the circuit of the electromagnet upon depression of the feeler.

2,384,524

REFLECTING DEVICE FOR SIGNS AND THE LIKE

Frank A. Best, Windsor, Ontario, Canada
Application June 10, 1943, Serial No. 490,241
3 Claims. (Cl. 88—82)

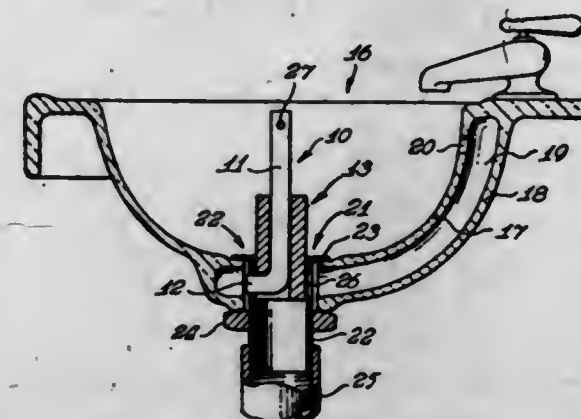


3. A reflecting device for an apertured panel, comprising a reflecting button having a head exposed on one side of the panel and a shank extending through the panel aperture, said shank being provided on its external surface with a reflecting coating, and means for securing the button to the panel, comprising an expanded coil spring surrounding and gripping the button shank, said spring being formed of flattened wire to present to the coated shank an extended surface of each turn, and thereby distribute the gripping force so as to minimize the possibility of damage to the said reflecting coating.

2,384,525

POP-UP SPUD WRENCH

Charles S. Beverly, Brooklyn, N. Y.
Application November 4, 1944, Serial No. 561,909
3 Claims. (Cl. 81—13)



1. A tool of the class described and for the purpose set forth, comprising a shank having the lower extremity thereof bent at right angles thereto to form a tongue, a barrel having an axial opening of substantially the same lateral dimensions as said shank, said shank being slidably registrable in said barrel opening, said barrel having a radial cut-out through the lower end thereof communicating with said axial opening, said radial cut-out being of substantially the same cross-sectional dimensions as said tongue, said tongue projecting through and registering in said cut-out when said barrel rests upon said tongue with said shank passing through said barrel opening.

2,384,526

FIRE EXTINGUISHER

William F. Blake, Chicago, Ill.
Application April 21, 1944, Serial No. 532,148
8 Claims. (Cl. 169—2)

1. A fire extinguishing unit comprising a drum having inwardly extending flanges at both top and bottom providing an aperture in each of the

drum ends, and having an outwardly extending annular portion spaced from the top of the drum

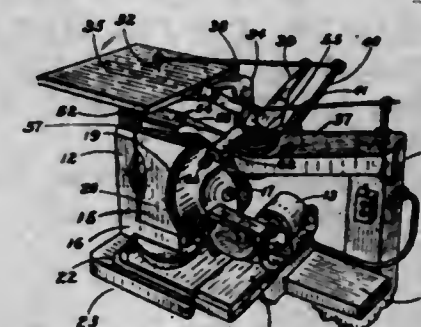


said annular portion having a flange extending downwardly therefrom forming an open ended body.

2,384,527

MACHINE TOOL

Walter F. Blesl, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application June 8, 1944, Serial No. 539,354
6 Claims. (Cl. 51—165)



1. A machine tool comprising a cutting member, a cutter holder for said member, a work holder, a base on which said holders are supported, bearing means between said base and one of said holders and mounting such holder for free movement in two directions with respect to the other holder, while preventing rotational movements of said one holder, a drawing support carried by said base in a predetermined position with respect to the second holder, a pantograph carried by said base and having a movable stylus operable over said drawing support and having a diminishing portion, means connected to said diminishing portion of the pantograph and to the movable holder for automatically moving said movable holder in accordance with the movements of the stylus, and a work viewing means operated by the diminishing portion of the pantograph.

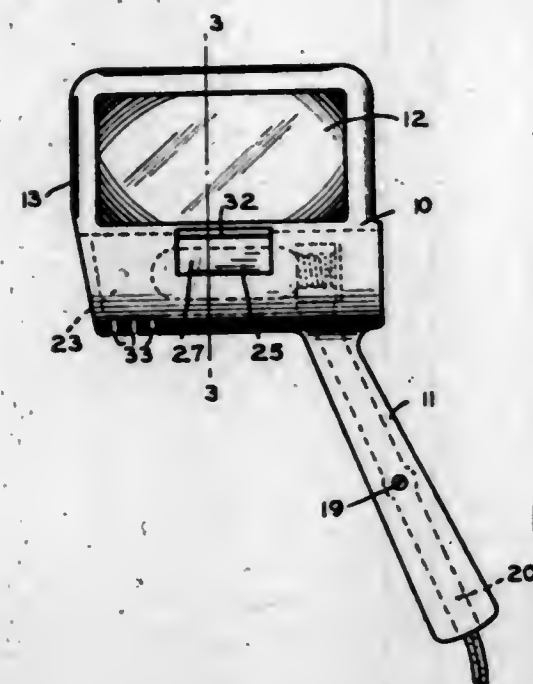
2,384,528

OPTICAL INSTRUMENT

John F. Brandt, Irondequoit, and Raymond F. E. Stegeman, Rochester, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application April 7, 1943, Serial No. 482,106
6 Claims. (Cl. 88—39)

1. An illuminated hand held magnifier comprising a magnifying lens of oblong shape; a holder for said lens; a handle extending obliquely from the holder; a light source carried by said holder and extending along one of the longer

edges of the lens; and means for selectively illuminating an object placed on one side or the other of said lens, said means comprising a movable reflector formed with an inner reflecting

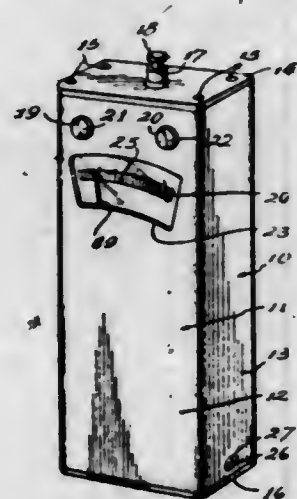


surface for selectively directing light to said object and preventing light from passing in the opposite direction to shield the eyes of the user from light when looking through said lens at the object.

2,384,529

MAGNETIC INSTRUMENT

Victor W. Breitenstein, Chicago, Ill., assignor to Illinois Testing Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application July 27, 1940, Serial No. 347,839
4 Claims. (Cl. 33—147)

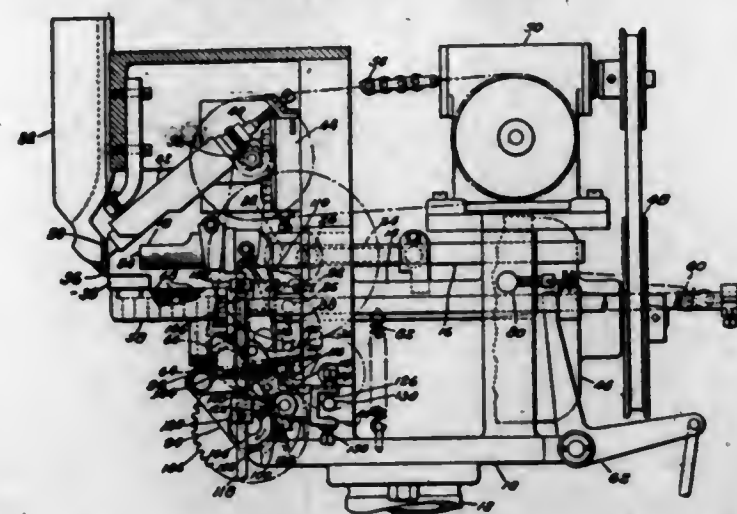


1. In a magnetic instrument the combination of a support with a permanent magnet having a pair of legs located adjacent each other and a thin pivotally mounted magnetic vane having its pivot located outwardly of one of said legs in such manner that the vane is adapted to extend tangentially to the curved lines of magnetic force which extend from one leg to the other leg, said instrument being calibrated in terms of thickness and being arranged and constructed to measure the thickness of a member interposed between an auxiliary plate of magnetizable material and the ends of said permanent magnet, and said vane having indicating means whereby the change in the direction of the lines of force may be indicated, one of said legs having an extension whereby it is longer than the other, and said longer leg having adjustable means extending toward said vane whereby the direction of the vane may be controlled for effecting a zero correction of the indicator.

2,384,530

ROUNDING MACHINE

Charles G. Brostrom, Salem, and Walter E. Naugler, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 3, 1942, Serial No. 437,482
17 Claims. (Cl. 12—85)

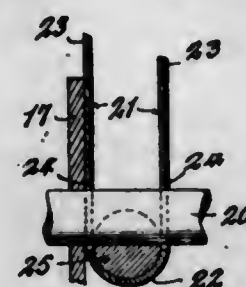


1. In a rounding machine, a rounding-cutter movable into and out of cutting engagement with the work for the production of a normal rounded contour, means for feeding the work to receive the action of the cutter, and means controlled by the operator and operating under the power of the machine for moving the work and cutter relatively to each other for a predetermined number of cutting movements to cause a departure from the rounded contour normally produced.

2,384,531

DOUBLE HAMMER FOR HAMMER MILLS

James G. Bryant, Jr., Port Huron, Mich.
Application June 26, 1944, Serial No. 542,034
2 Claims. (Cl. 241—195)



2. A hammer unit for hammer mills comprising a metal strip bent into U shape, forming a bight and providing a pair of hammer arms, said arms having transversely aligned apertures adjacent the bight and spaced therefrom, a saddle block fitted in the bight and having a semi-circular recess aligned with said apertures to receive a cross pin commonly therethrough, the bearing portion of said recess being of such dimensions as to space the cross pin from contact with the aligned apertures.

2,384,532

METHOD OF PROCESSING SPICE

William A. Bush and Edward A. Lasher, Los Angeles, Calif., assignors to California Flaxseed Products Company, Los Angeles, Calif., a corporation of California
No Drawing. Application November 12, 1941, Serial No. 418,852
12 Claims. (Cl. 99—140)

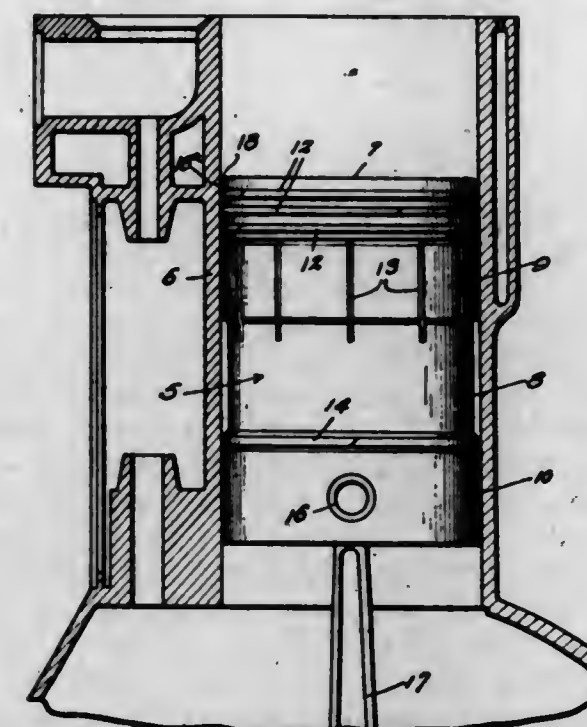
1. The process for powdering spices comprising coarsely crushing the spice, removing a major portion of the flavoring oil, finely grinding the low-oil-containing solid material, and restoring the flavoring oil to the finely ground solid material.

5. The process for improving high-oil-containing spices comprising coarsely crushing the spice, removing a major portion of the flavoring oil, extracting the flavoring oil with a solvent which will selectively separate out the unsaturated glycerides, finely grinding the low-oil-containing solid material, and then dispersing the purified flavoring oil substantially free from unsaturated glycerides in the finely ground solid material.

2,384,533

PISTON STRUCTURE

Fred F. Chamlee, Gatesville, Tex.
Application April 20, 1943, Serial No. 483,773
5 Claims. (Cl. 309—11)



1. An internal combustion engine piston comprising a head, a depending structure, a skirt just below the head, a skirt at the lower portion of the structure, and a reduced portion between the skirts, longitudinal slots being provided in said reduced portion extending into said head skirt.

2,384,534

EXPLOSIVE DUMP SHELL

Oscar E. Chenoweth, Borger, Tex., and Paul F. Lewis, Tulsa, Okla., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 23, 1941, Serial No. 403,670
2 Claims. (Cl. 102—22)



1. A dump shell for placing an explosive charge in a vertical bore hole by means of a lowering cable under tension, comprising a shell or casing for containing the explosive charge, closure

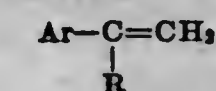
means for the discharge end of the shell constructed to open outwardly, means for suspending said closure from a point within the container comprising a substantially flexible means secured to the closure means, a ball or bracket secured to the charging end of the shell, mechanism interposed between the lowering cable and said flexible means comprising an internally notched hook having a closed track and a drop link engaging said flexible means and operating in the closed track for supporting the closure at a multiplicity of points, and means supported by the ball or bracket to control the movement of the link from an upper suspension point to a lower suspension point within the track to release the explosive material from the container upon release of tension on the lowering cable.

2,384,535

BUTADIENE COPOLYMERS AND METHOD OF PREPARING SAME

David Craig, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application October 16, 1940, Serial No. 361,433
5 Claims. (Cl. 260—74)

1. The process which comprises polymerizing in aqueous emulsion a mixture of monomers including a conjugated butadiene hydrocarbon, a compound of the formula

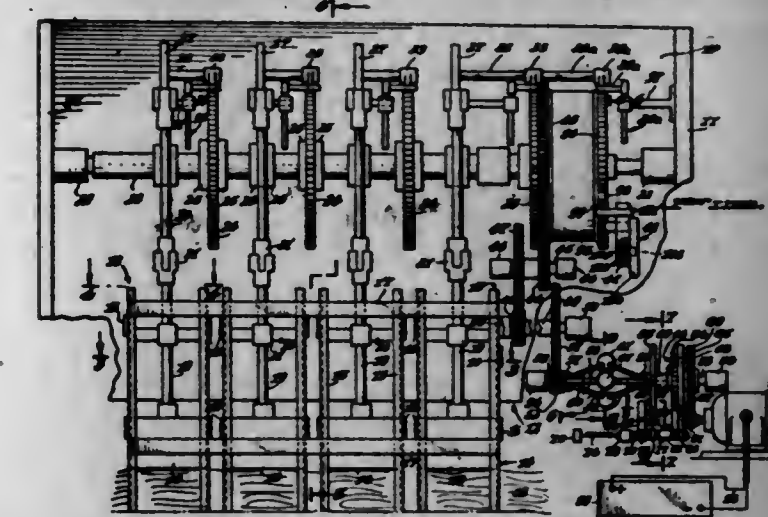


wherein Ar is a chlorinated aryl radical and R is a member of the class consisting of hydrogen and alkyl, and acrylonitrile, said mixture containing at least 50% by weight of the conjugated butadiene hydrocarbon.

2,384,536

FLOAT OPERATED MECHANISM

James H. Crumble, Brooklyn, N. Y.
Application June 9, 1944, Serial No. 539,421
4 Claims. (Cl. 253—10)



2. A machine comprising a horizontal shaft, a plurality of substantially vertical cages having floats slidably mounted therein, ratchets on said shaft, piston rods extending upward from said floats, cranks pivotally mounted on said shaft adjacent said ratchets, links connecting said cranks with said piston rods, pawl means normally urged into engagement with said ratchets mounted on said cranks for causing rotation of said ratchets and shaft upon upward movement of said floats, means for disengaging said pawl means from said ratchets and having additional means for retaining said pawl means in disengaged position, and gears or the like connected

with said shaft for taking off power from said shaft, a gear rigid with one of a pair of ratchets of said plurality of ratchets, a power spring having one end secured to said first shaft and the other end secured to the other of said ratchets of said pair of ratchets, said last-named ratchet having an additional pawl normally urged into engagement therewith, means for disengaging said last-named pawl from said last-named ratchet and additional means for maintaining said last-named pawl in disengaged position.

2,384,537

PLASTICIZED POLYVINYL ACETAL RESIN

John M. De Bell, Longmeadow, and Elmer R. Derby, Springfield, Mass., assignors, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Original application November 2, 1937, Serial No. 172,441. Divided and this application January 8, 1942, Serial No. 426,004

1 Claim. (Cl. 260—36)

A polyvinyl acetal resin made with butyraldehyde and plasticized with substantially 80 parts of butyl hexyl phthalate for each 100 parts of resin.

2,384,538

PLASTICIZED POLYVINYL ACETAL RESIN

John M. De Bell, Longmeadow, and Elmer R. Derby, Springfield, Mass., assignors, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Original application November 2, 1937, Serial No. 172,441. Divided and this application January 8, 1942, Serial No. 426,052

1 Claim. (Cl. 260—36)

A polyvinyl acetal resin made with formaldehyde and plasticized with substantially 60 parts of diethylene glycol propionate butyrate for each 100 parts of resin.

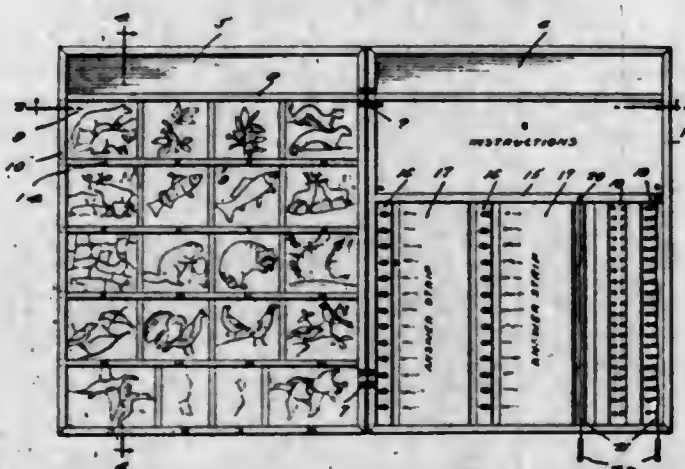
2,384,539

QUIZ BOARD

Garrett G. Eppley, Chappaqua, N. Y.

Application September 18, 1943, Serial No. 502,990

1 Claim. (Cl. 35—22)



Apparatus of the class described comprising a board structure, a plurality of pictures of different objects mounted on the board for designation by name by the players, a panel bearing the names of the objects arranged in column formation for selection by the players at random, and a vertical row of selector slides opposite the names in the columns, respectively, mounted for retraction into hidden position and for projection into visible position to indicate selected names, the board bearing symbols opposite the pictures for distinctively identifying each from the other, and said slides opposite the names of the objects bearing

symbols corresponding to those distinguishing the pictures whereby projected slides may be checked with the symbols identifying the pictures to verify the objects for which the names are selected.

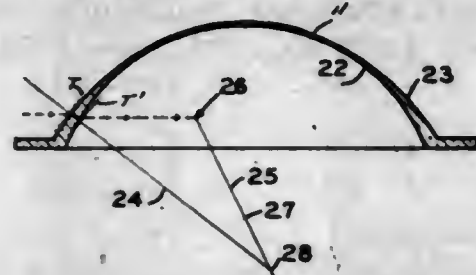
2,384,540

OBSERVATION DEVICE

Edward F. Flint, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application August 26, 1942, Serial No. 456,237

3 Claims. (Cl. 88—1)



1. The combination of a housing, a curved transparent observation window forming at least a part of the housing, said window having an outer convex face forming at least a part of a surface of revolution and an inner concave face forming at least a part of a surface of revolution, said surfaces of revolution having coincident axes, a light receiving member positioned within the housing to receive light rays passing through the window, said member being positioned between the window and said axes of revolution, the thickness of said window varying in an observation plane which includes the axes of revolution and intersects the window, the thinnest portion of the window being located at the point in the observation plane where the window is intersected by a line passing through the centers of curvature of both surfaces, the thickness of the window being such at all points in the observation plane that a plane tangent to the outer face at a point where an incident light ray strikes the outer face is substantially parallel to a plane tangent to the inner face at a point where the light ray emerges from the inner face so that light rays passing through the window to said member undergo substantially no deviation.

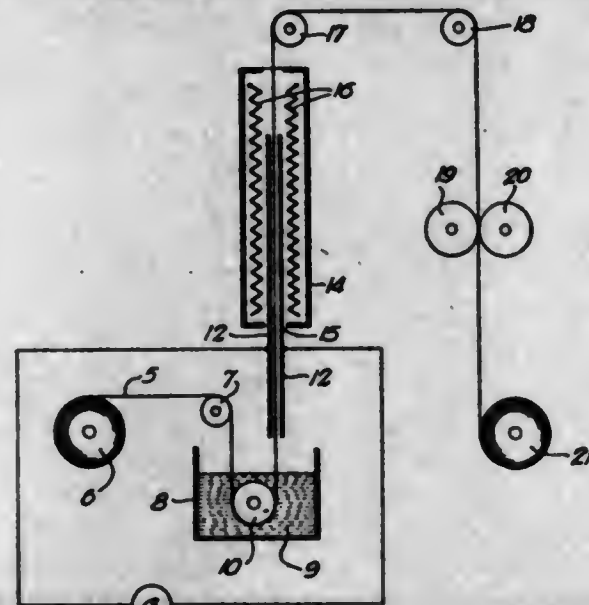
2,384,541

CONDENSER MATERIAL AND METHOD OF MAKING SAME

Hal F. Fruth, Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application May 5, 1942, Serial No. 441,870

5 Claims. (Cl. 117—17)



1. A dielectric body having high dielectric constant comprising a base having a coating of tita-

nium dioxide particles, said particles having a higher dielectric constant along one axis than along another axis and said particles being oriented so that the major electrical axes of said particles are substantially perpendicular to the base so as to increase the effective dielectric constant of said body, and a binder of a solidifiable film forming type to bond said particles in oriented position.

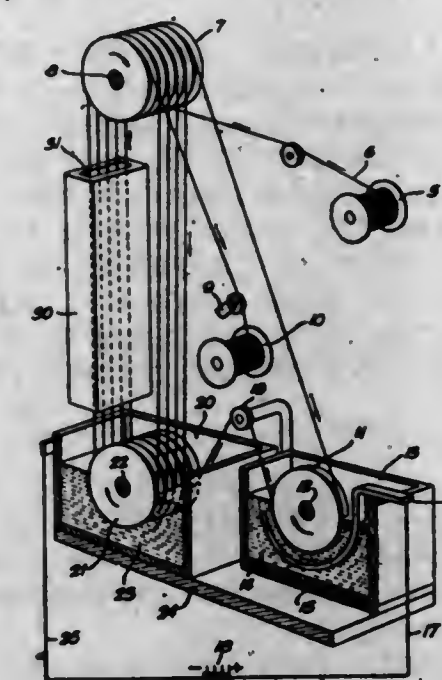
2,384,542

INORGANIC INSULATION FOR ELECTRICAL CONDUCTORS

Hal F. Fruth, Elmhurst, Walter O. Haas, Jr., Wilmette, and Ernest G. Walters, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application July 8, 1942, Serial No. 450,148

20 Claims. (Cl. 117—169)



1. An article of manufacture comprising a conductor coated with an insulating coating consisting of the end products obtained by heating an aqueous solution of silicate of soda having a high silica to soda ratio, sufficiently to drive off all free water from the coating without fusing the residual coating matter, said heating comprising substantially the equivalent of that obtaining when a coated conductor of No. 40 gage is passed at forty feet per minute through an oven 55 inches long, heated to from 750° F. to 800° F.

2,384,543

SYNTHETIC RUBBERLIKE MATERIALS

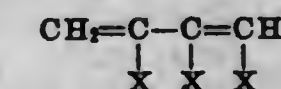
Charles F. Fryling, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application May 10, 1940,

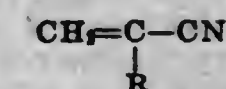
Serial No. 334,381

11 Claims. (Cl. 260—84.5)

1. The process which comprises polymerizing a mixture containing as the sole polymerizable constituents a diene hydrocarbon of the formula

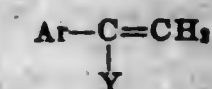


wherein X represents a member of the class consisting of hydrogen and methyl, an acrylic nitrile of the formula



wherein R represents a member of the class con-

sisting of hydrogen and alkyl and an aryl olefin of the formula



wherein Ar represents an aromatic hydrocarbon radical and Y represents a member of the class consisting of hydrogen and alkyl, said mixture containing more than 40% by weight of the diene hydrocarbon, from about 15 to 50% by weight of the acrylic nitrile and from about 1 to 10% by weight of the aryl olefin.

2,384,544

METHOD OF PREPARING SYNTHETIC RUBBER

Charles F. Fryling, Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York

No Drawing. Application June 27, 1941,

Serial No. 400,093

13 Claims. (Cl. 260—23)

1. The method which comprises polymerizing in the form of an aqueous emulsion a mixture containing at least two butadiene-1,3 hydrocarbons and from about 2 to 10% by weight based on the butadiene hydrocarbons of an alpha-methylene nitrile.

2,384,545

BUTADIENE COPOLYMERS

Charles F. Fryling, Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York

No Drawing. Application September 13, 1941,

Serial No. 410,762

14 Claims. (Cl. 260—84.5)

1. A synthetic rubber latex prepared by the polymerization in aqueous emulsion of a mixture of monomeric butadiene-1,3, monomeric piperylene in an amount by weight less than the butadiene-1,3, and a monomeric copolymerizable compound selected from the class consisting of styrene, isobutylene, acrylonitrile, methyl methacrylate, methyl acrylate, methyl vinyl ether and methyl vinyl ketone, the said copolymerizable compound being present in an amount between 15 and 50% by weight based on the total weight of the mixture and the combined amount of monomeric butadiene-1,3 and monomeric piperylene being at least 50% by weight based on the total weight of the mixture.

2,384,546

PREPARATION OF SYNTHETIC RUBBER

Charles F. Fryling, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application September 27, 1941,

Serial No. 412,680

12 Claims. (Cl. 260—84.5)

1. The process which comprises polymerizing in the form of an aqueous emulsion a mixture containing at least 50% by weight of two different butadiene-1,3 hydrocarbons, one of which is 2,3-dimethyl butadiene-1,3 present in at least 10% by weight, and at least 15% by weight of a nitrile of an alpha-methylene monocarboxylic acid.

2,384,547

BUTADIENE COPOLYMERS

Charles F. Fryling, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application September 1, 1942, Serial No. 456,924

6 Claims. (Cl. 138—55)

5. A self-sealing fuel hose for aircraft and the like, said hose comprising in the inside portions adapted to come in contact with the fuel and to swell from 25 to 100% by volume therein, a rubbery material prepared by the polymerization of a mixture of butadiene-1,3, acrylonitrile, and styrene, said mixture consisting of from 65 to 80% by weight of butadiene-1,3 and from 20 to 35% by weight of substantially equal proportions of acrylonitrile and styrene.

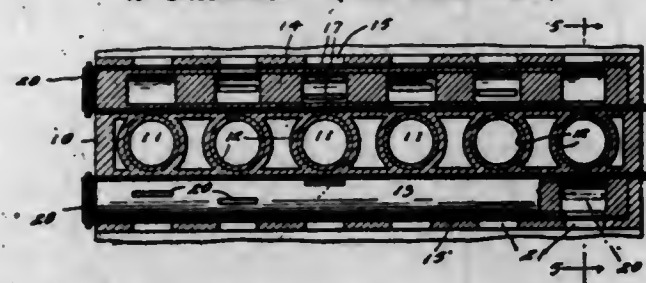
2,384,548

ROTARY VALVE

Theodor Gerdes, Gilman, Ill.

Application April 28, 1943, Serial No. 484,910

2 Claims. (Cl. 123—80)



2. A cylinder block for an internal combustion engine, said cylinder block having an upper surface across which a head is disposable and cylinders opening at said surface, valves journaled in the block, one on each side of the cylinders and below the upper extremities of the cylinders and surface of the block, the block having passages extending upwardly from the valves to the upper surface of the block, one of the valves having means of communication with the cylinders through one of said passages to serve as an intake valve, and the other valve having means of communication through the other of said passages with the cylinders to serve as an exhaust valve, the block also having passages leading to the valves from the sides of the block, the cylinder block being hollow around said cylinders and valves to accommodate cooling water, means on the cylinder block to operate a distributor, and means operable from the crank shaft of the engine to drive said means and valves in timed relation, consisting of gear wheels thereon, a gear wheel on the crank shaft, and a sprocket chain traversing said gear wheel.

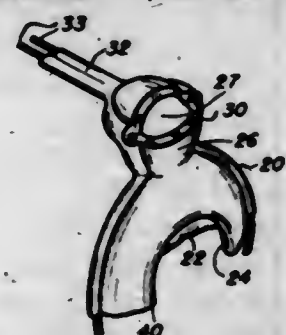
2,384,549

PROTECTIVE CASE FOR WATCHES

Charles Godin, Portland, Oreg.

Application June 19, 1944, Serial No. 540,995

2 Claims. (Cl. 58—105)



1. A protective case for watches comprising a watch casing enclosing member formed of flexible material adapted to accommodate itself to such a casing and having means to permit the

viewing of the watch face, an extension housing on said enclosing member adapted to receive the watch stem and its appurtenances, said housing extension being slitted on one side to permit the exposure of the watch stem upon force being applied to the housing to distort it sideways from its normal position, said housing extension slit being normally closed over the watch stem.

2,384,550

NEUTRAL ESTERS OF POLYBASIC ALIPHATIC ACIDS WITH HYDROXY COMPOUNDS OF THE ANDROSTANE AND PREGNANE SERIES AND A PROCESS OF MAKING THE SAME

Hans Herloff Inhoffen, Berlin-Wilmersdorf, Germany, assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application February 14, 1940, Serial No. 318,844. In Germany February 16, 1939

17 Claims. (Cl. 260—397.4)

1. Process for the manufacture of neutral esters of steroid compounds containing hydroxy groups capable of being esterified, and polybasic acids, comprising reacting a hydroxy steroid compound of the C₁₉ and C₂₁ series with a member of the group consisting of polybasic carboxylic acid polyhalogenides and polybasic carboxylic acid halogenides partially esterified with said steroid compound, until a neutral ester is obtained.

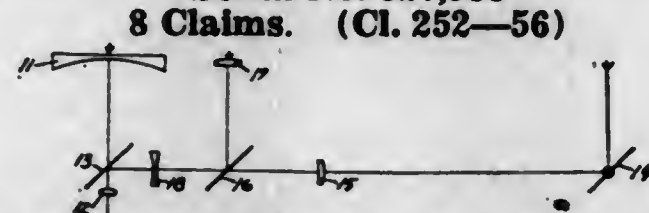
2,384,551

LUBRICANT

Leon P. Jehle, Buffalo, N. Y., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application March 24, 1944, Serial No. 527,953

8 Claims. (Cl. 252—56)



1. A lubricant consisting essentially of a mineral oil containing a detergent composed of about 0.20% to 5.0% by weight of a metal salt of an acid of the group consisting of 2-ethyl butyric acid and 2-ethyl hexoic acid.

2,384,552

VIEW AND RANGE FINDER

Edward K. Kaprelian, Alexandria, Va.

Application August 3, 1944, Serial No. 547,854

4 Claims. (Cl. 88—2.4)

1. A combination range finder and view finder having a single positive ocular, a negative field lens in front of said ocular and cooperating therewith to provide an image of the field of view at a magnification less than unity, a rangefinder having beam accepting and beam combining elements, semi-transparent reflecting means placed between the ocular and the viewfinder field lens for directing the rangefinder beams into the ocular, a negative lens placed between the rangefinder system and the semi-transparent reflecting means, said negative lens having less power than said negative field lens whereby the range finder image is enlarged with respect to the viewfinder image, said semi-transparent reflecting mirror being closer to said rangefinder negative lens than to said negative field lens whereby the range-finder images are formed at a different distance in space than is the viewfinder image.

2,384,553

ALCOHOL ANTIFREEZE LIQUIDS

Alfred D. Kiffer, Buffalo, N. Y., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application September 29, 1943, Serial No. 504,262

11 Claims. (Cl. 252—75)

1. An anti-freeze cooling fluid comprising a water-soluble alcohol freezing-point depressant, and an inhibitor composed of a mixture of soluble inorganic borate and inorganic phosphate salts.

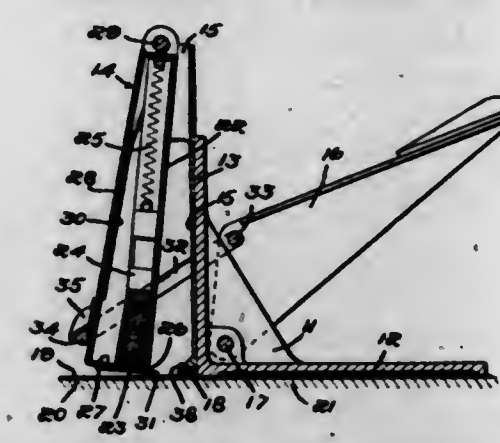
2,384,554

CLOTH PINNING DEVICE

Isidor Kruger, Brookline, Mass.

Application March 24, 1945, Serial No. 584,517

6 Claims. (Cl. 1—49)



1. In a fabric pinning machine having a back member and a pin holder and cover therefor pivoted to the back member, the cover having a plunger engageable with the outermost pin of a stack within the holder and adapted to expel said pin from the stack toward the back member when the cover and holder are pressed toward said member, fabric-gripping means comprising outwardly directed prongs on the end of said back member and on the end of said cover for impinging a pair of superposed fabric layers to which said ends are applied, and means for pressing the cover and pin holder toward said back member, thereby to pinch a fold of said fabric layers between said ends and force the points of a pin therethrough.

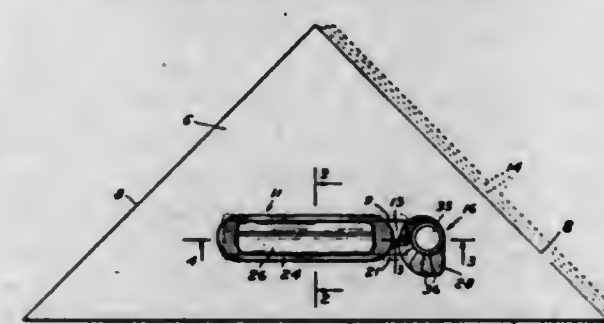
2,384,555

PARALLEL RULER

Carl W. Kuhne, Mill Valley, Calif.

Application November 22, 1943, Serial No. 511,365

11 Claims. (Cl. 33—110)



1. In a parallel ruler of the character described, a base, a side at an angle to said base, said base having an oblong slot therein, a pair of guides formed in said slot, a slide having grooves in its sides slidable on said guides, said slot being longer than said slide, said grooves being wider than said guides to permit play of said slide through said groove for engaging the surface on which the base rests when the slide is pressed to said surface, and an adjustable abutment at an end of the slot.

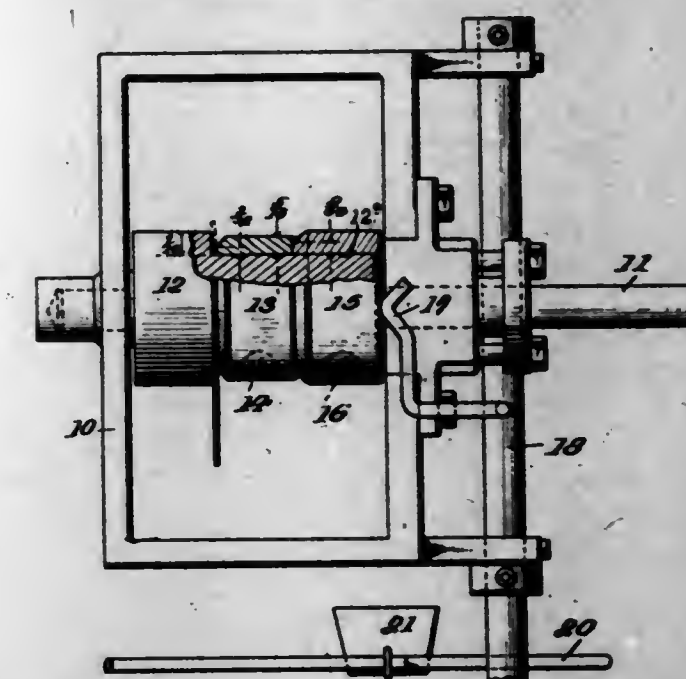
2,384,556

APPARATUS FOR TINNING THE EDGES OF CAN BODY BLANKS

Ed Laxo, Riverside, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application June 19, 1944, Serial No. 541,088

8 Claims. (Cl. 91—12.2)



8. An apparatus for coating the edge portions of a body blank comprising a tank for the coating material, a shaft mounted on said tank, a coating roller fixed to said shaft and having a hub extending laterally therefrom, a coating sleeve roller mounted on said hub for rotation therewith and for axial movement relative to the first-named roller, a second coating sleeve roller mounted on said hub and rotating therewith and movable axially of the hub into engagement with the first-named sleeve roller, and yielding means bearing on said second coating sleeve roller for urging said sleeve rollers in a direction toward the fixed roller, whereby a body blank may be selectively engaged between the fixed roller and the sleeve roller adjacent thereto or between said sleeve rollers, said blank resting on the hub with the end faces of the rollers contacting with the blank for coating the edge portions thereof, the end face of each roller opposing an end face of an adjacent roller being of a diameter distinct from the diameter of each of the roller end face opposing face of each of the other rollers and each of the sleeve rollers being tapered at the position of its roller opposing end face.

2,384,557

POSTHOLE DIGGER ATTACHMENT FOR TRACTORS

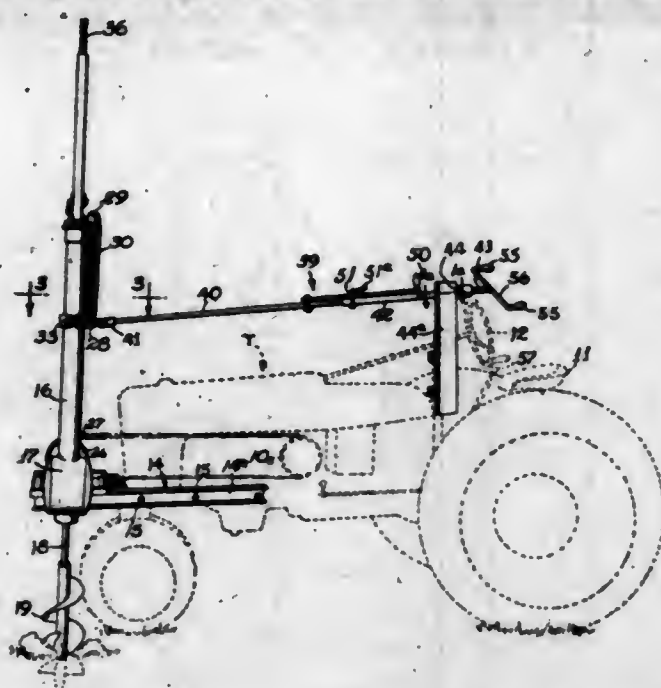
Roger June Piper, Princeton, Ill.

Application June 26, 1944, Serial No. 542,097

3 Claims. (Cl. 255—19)

1. In a posthole digging attachment for tractors, the combination of an earth auger depending from the lower end of an upright shaft and adapted to be driven from a power take-off on the tractor, a support journaling said auger shaft for both rotational and endwise movement, means for detachably mounting said support on the tractor for tilting motion about a point displaced from the driver's station, a second support adapted to be mounted adjacent the driver's station, an elongated operating shaft extending between said supports and including a pair of members slidably adjustable axially of each other to alter the length of such shaft, one of said shaft members being journaled on said second support and restrained against endwise movement with respect to it, a manual operating handle on said

operating shaft adjacent the driver's station adapted for use in rotating said shaft to transmit torque through the latter, and means including a rotary member journaled on the first-mentioned support and attached to the adjacent end of said operating shaft for utilizing torque ap-



plied to said operating shaft to impart an end-wise thrust to said auger shaft, adjustment in the length of said operating shaft serving to adjust the angle of tilt of said first-mentioned support and the auger carried thereby about said pivot point.

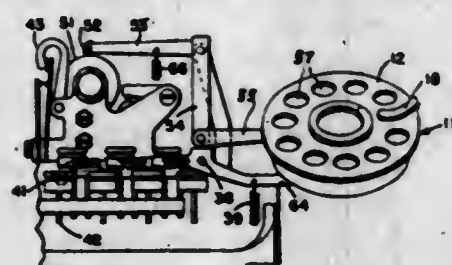
2,384,558

SELECTING IMPULSE TRANSMITTER

Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Original application February 1, 1941, Serial No. 376,962. Divided and this application January 26, 1943, Serial No. 473,583

3 Claims. (Cl. 177-380)



1. In a telegraph transmission system, a keyboard apparatus comprising a plurality of individually actuable keys, an impulse transmitting means including a rotatable shaft and a set of signal composing contact members controlled thereby, means responsive to the manipulation of any one of the keys to condition said set of contacts for transmission of code signals and to simultaneously release said rotatable shaft for a single cycle of control of said contacts, means for causing a predetermined number of consecutive cycles of predetermined code signals comprising a dial manipulable from a normal position to different predetermined extents, a stop mechanism for said dial and movable therewith during the final portion of the movement of the dial to its final setting, means operable by the stop mechanism when so moved for simultaneously depressing one of said keys and for releasing said rotatable shaft for an indefinite number of cycles of control of the contacts, means controlled by the rotatable shaft for each of its control cycles for returning the dial step by step to its original position, and means controlled by the dial when it reaches its original position for disabling said means operable by the stop mechanism.

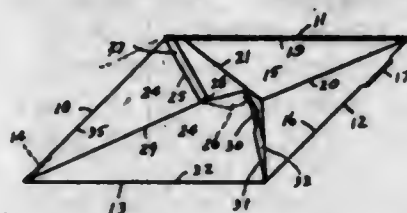
2,384,559

COLLAPSIBLE BOX STRUCTURE

Francis V. Powell, Marion, Ind., assignor to Lindley Box & Paper Company, Marion, Ind., a corporation

Application May 19, 1944, Serial No. 536,309

4 Claims. (Cl. 229-41)



1. A rectangular collapsible box including four sequentially connected walls, a bottom flap of box area hinged to one wall, a triangular bottom flap hinged to an immediately adjacent wall and lapping and reinforcing the bottom flap when the box is erected, the triangular flap having its hypotenuse edge directed away from the bottom flap, each flap including a biased fold or crease therein directed from one corner of the flap where connected to the wall, to the opposite side of such blank, the bias crease of the bottom being substantially parallel to the hypotenuse edge and the biased creases being directed towards each other when extended from the wall-flap connection corners.

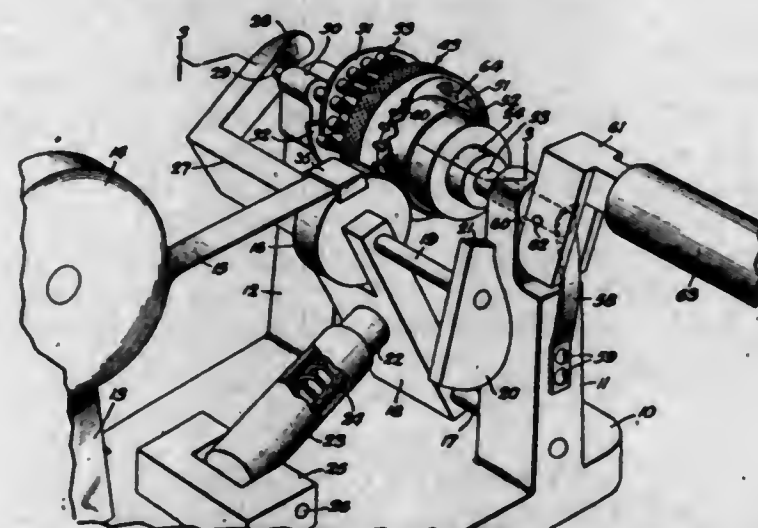
2,384,560

ARTICLE ASSEMBLING APPARATUS

Emil E. Mellstrup, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application March 31, 1944, Serial No. 528,859

13 Claims. (Cl. 154-41)



6. An apparatus for assembling a relatively flexible sheet on a member, a flexible camming element, a plurality of plungers for actuation by said camming element to fold the flexible sheet into engagement with a surface of the member, cam means for flexing said camming element to operative position, and rotary means for carrying said plungers in engagement with said camming element.

2,384,561

NONBACKLASH DEVICE FOR FISHING REELS

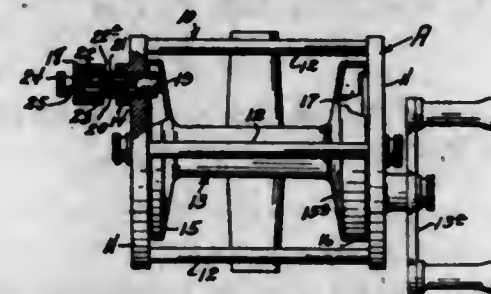
Robert B. Muffett, Merchantville, N. J.

Application April 14, 1944, Serial No. 531,041

2 Claims. (Cl. 242-84.5)

1. An anti-backlash device for a fishing reel having a frame and a flanged spool rotatable in the frame, comprising a tubular housing carried by the frame, a friction element slidable in the housing and contacting with one flange of the spool, a coil spring within the housing bearing against the friction element, a cap adjustably

mounted on the housing, a bolt adjustably carried by the cap and extending into the housing.



a nut adjustable on the bolt and contacting with the spring, and means for locking the cap and nut in adjusted position.

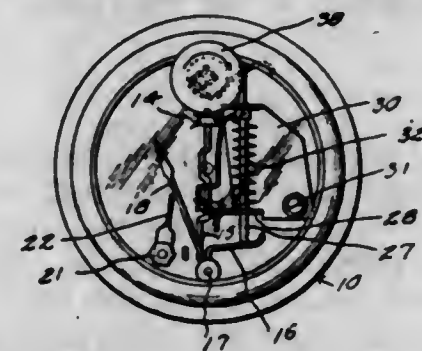
2,384,562

SAFETY CUTOFF SWITCH

Arthur C. Murphy, Tulsa, Okla.

Application July 3, 1944, Serial No. 543,295

7 Claims. (Cl. 200-56)



1. In combination a pressure gauge including a housing adapted to be interposed in one side of an electric circuit, a swingable pointer in said housing and constituting a movable contact, operating means for said pointer, a stationary contact in said housing also interposed in said circuit and positioned in the path of the movement of said pointer in one direction, manually operable means for holding said pointer in circuit breaking position, and means carried by said latter means engageable with said operating means whereby to release said pointer for normal movement by said operating means.

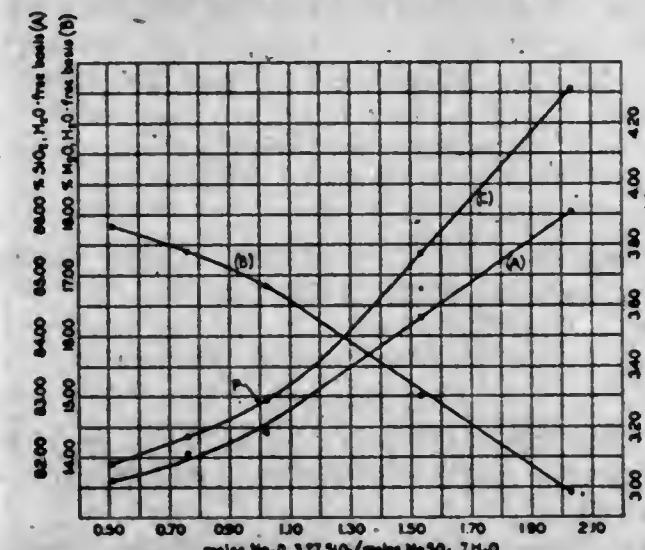
2,384,563

MAGNESIUM SILICATES AND PROCESS FOR MAKING SAME

Reuben Roseman and Harry Eisenberg, Baltimore, Md., assignors, by mesne assignments, to Charles H. Burton, Baltimore, Md.

Application March 21, 1940, Serial No. 325,122

2 Claims. (Cl. 23-110)



1. A method of preparing a magnesium silicate of definite chemical composition with a molecular ratio, $MgO:SiO_2$, within the range of substantially 1:3.1-1:4.3, comprising: reacting a solution of magnesium sulfate with a solution of sodium silicate having the formula $Na_2O \cdot 3.3SiO_2$, the ratio moles $Na_2O \cdot 3.3SiO_2$ /moles $MgSO_4 \cdot 7H_2O$ being

within the range of substantially 0.5-2.0, and in the absence of treatment for further chemical reaction on the product of that reaction; thoroughly washing the precipitated magnesium silicate to free it essentially of contaminating constituents; drying the washed precipitate at a temperature not in excess of substantially 65° C.; and pulverizing the dried silicate.

2,384,564

MAGNESIUM SILICATE SUSPENSIONS AND PROCESS FOR MAKING SAME

Reuben Roseman and Harry Eisenberg, Baltimore, Md., assignors, by mesne assignments, to Charles H. Burton, Baltimore, Md.

No Drawing. Application February 26, 1941,

Serial No. 380,633

4 Claims. (Cl. 252-317)

1. A process for preparing a thixotropic gel of magnesium silicate which comprises the steps of: producing a precipitate of magnesium silicate by interacting a soluble magnesium salt with an alkali metal silicate, washing the precipitate substantially free of salts, suspending the washed precipitate in water, and adding to the fluid suspension at least one of the gel-producing electrolytes of the group consisting of acids and salts in an amount to produce a thixotropic gel, and maintaining the so set up gel as a thixotropic gel capable of subsequent alternate liquefaction on shaking and setting up spontaneously into a rigid gel upon standing undisturbed.

2,384,565

ALLOY STEEL AND ARTICLES

Henry S. Schaufus, Baltimore, Md., assignor to Rustless Iron and Steel Corporation, a corporation of Delaware

No Drawing. Application December 13, 1940,

Serial No. 370,072

8 Claims. (Cl. 75-128)

1. In compositions of matter of the class described, an alloy steel of good corrosion resisting properties, good machining characteristics and good resistance to impact, said alloy steel comprising 14.5% to 18.0% chromium, .20% to .50% sulphur, .5% to 2.0% nickel, .06% to .30% nitrogen, with a maximum carbon content of .20%, and the remainder substantially all iron.

2,384,566

METHOD OF WORKING ALLOY STEEL AND PRODUCTS THEREOF

Henry S. Schaufus, Baltimore, Md., assignor to Rustless Iron and Steel Corporation, a corporation of Delaware

No Drawing. Application December 13, 1940,

Serial No. 370,073

5 Claims. (Cl. 148-12)

1. In an art of the class described, the method of producing bars, rods, wire, plate, sheet, and the like, of good machinability and high impact strength of alloy steel containing 14.5% to 18% chromium, .20% to .50% sulphur and the remainder substantially all iron, which consists in including in the composition of the steel the ingredient nickel in the amount of .5% to 2.0%; working the products at a starting temperature of less than 2000° F., and finishing the working operation at a temperature below 1200° F.; and re-heating the products to 1000° F. to 1450° F. and then quenching in air.

2,384,567

ALLOY STEEL METHOD AND PRODUCTS
Henry S. Schaufus, Baltimore, Md., assignor to Rustless Iron and Steel Corporation, a corporation of Delaware

No Drawing. Application December 13, 1940,
Serial No. 370,074

7 Claims. (Cl. 148—31)

1. In the production of hot-worked alloy steel semi-converted products, of good machining characteristics, comprising 14.5% to 18.0% chromium, .20% to .50% sulphur, .5% to 2.0% nickel, with a maximum of .20% carbon and the remainder substantially all iron, the art which includes assuring improved impact strength in such products in spite of irregularities in the hot-working operations, by including in the composition of the alloy steel the ingredient nitrogen in the amount of .06% to .30%, and air-cooling the steel from a temperature of 1000° F. to 1450° F.

2. In the production of hot-worked alloy steel semi-converted products, of good machining characteristics, comprising 14.5% to 18.0% chromium, .20% to .50% sulphur, with a maximum of .20% carbon and the remainder substantially all iron, the art which includes assuring high impact strength in such products in spite of irregularities in the hot-working operations, by including in the composition of the alloy steel the ingredients nickel, in the amount of .5% to 2.0% and nitrogen in the amount of .06% to .30%.

2,384,568

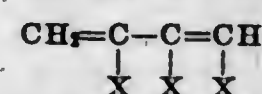
POLYMERIZATION PRODUCTS

Waldo L. Semon, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

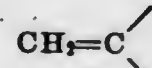
No Drawing. Application March 5, 1940,
Serial No. 322,381

10 Claims. (Cl. 260—78)

1. A process which comprises copolymerizing a mixture including a substantial proportion of a conjugated diene of the general formula



wherein each X represents a member of the class consisting of hydrogen and methyl, and a substantial proportion of an ester containing at least two polymerizable



groups separated by the ester linkage.

2,384,569

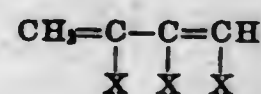
COPOLYMERS OF DIENES AND OLEFINIC DICARBOXYLIC ACID ESTERS

Waldo L. Semon, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application March 5, 1940,
Serial No. 322,382

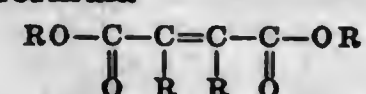
12 Claims. (Cl. 260—78)

1. A process which comprises copolymerizing in aqueous emulsion a mixture including a conjugated diene of the general formula



wherein each X represents a member of the class

consisting of hydrogen and methyl and a compound of the formula



wherein each R represents a member of the class consisting of hydrogen and alkyl.

2,384,570

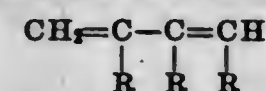
RUBBERLIKE MULTIPOLYMERS CONTAINING A CONJUGATED DIENE HYDROCARBON

Waldo L. Semon, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application March 5, 1940,
Serial No. 322,383

14 Claims. (Cl. 260—84.5)

1. The process which comprises polymerizing a mixture of polymerizable materials comprising a conjugated diolefin of the formula



wherein each R represents a member of the class consisting of hydrogen and methyl, and at least two but not more than three polymerizable acrylic compounds selected from the class consisting of esters and nitriles of acrylic acid and methacrylic acid, said mixture containing not less than 50% by weight of the conjugated diolefin and a substantial proportion of each of the acrylic compounds.

2,384,571

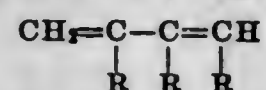
RUBBERLIKE MULTIPOLYMERS PREPARED FROM MIXTURES INCLUDING A CONJUGATED DIENE HYDROCARBON

Waldo L. Semon, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

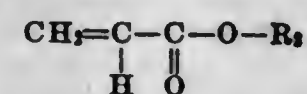
No Drawing. Application January 10, 1942,
Serial No. 426,340

18 Claims. (Cl. 260—84.5)

1. The process which comprises subjecting to polymerizing conditions a monomer mixture containing as much as about 50% by weight of a conjugated diene hydrocarbon of the formula



wherein each R represents a member of the class consisting of hydrogen and methyl, as much as about 5% by weight of acrylonitrile, and as much as about 5% by weight of an acrylic ester of the formula



wherein R₂ is a hydrocarbon radical containing no more than 12 carbon atoms.

2,384,572

COPOLYMERS OF BUTADIENE-1,3 HYDROCARBONS AND OTHER ORGANIC COMPOUNDS

Waldo L. Semon, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application January 24, 1942,
Serial No. 428,083

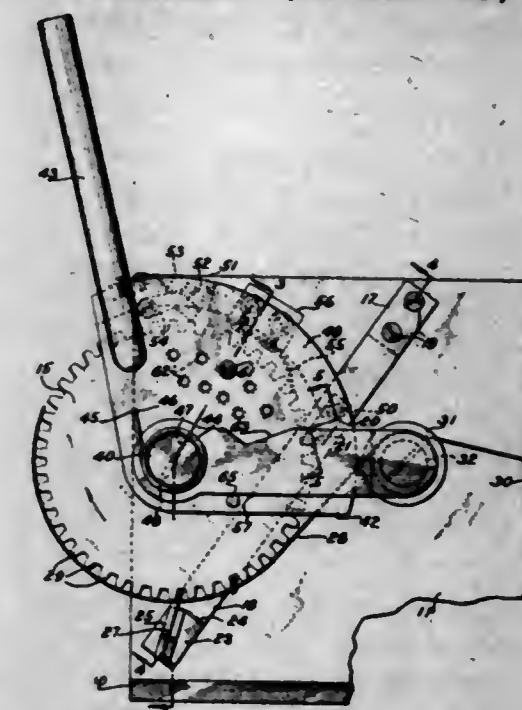
14 Claims. (Cl. 260—66)

1. The process which comprises polymerizing a mixture including from 5 to 95% by weight of

2,384,575

TAPE DISPENSER

John S. Stull, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 4, 1943, Serial No. 512,941
10 Claims. (Cl. 164—49)

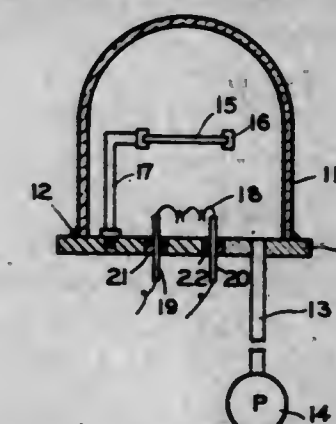


10. In a tape dispensing apparatus, means for holding a supply of adhesive tape, a toothed wheel having tape-engaging surfaces on the outer ends of the teeth to which the tape is adapted to adhere by its own adhesiveness, a pawl cooperating with the wheel to actuate it, an actuator segment for supporting said pawl, a pin settable in a plurality of positions to limit the movement of said actuator, tape-severing means for cutting tape adjacent the teeth on the wheel while leaving the tape adhered to the teeth, means on said actuator for holding the severing means out of tape-cutting position during the passage of one or more teeth past the severing means, and a cam, on the severing means for cooperating with the teeth of the wheel to disengage the severing means from the tape during movement of the wheel by any means other than the actuator segment.

2,384,576

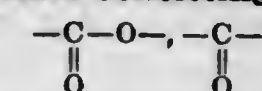
APPARATUS FOR FORMING CORROSION RESISTING FILMS

Joe E. Swope, Jr., Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application May 31, 1943, Serial No. 489,223
4 Claims. (Cl. 91—12.2)

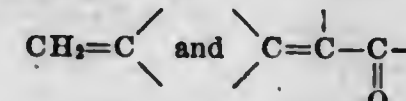


1. In an apparatus of the type described, an evacuable container; means for evacuating said container; and a heating filament for heating a metal to the evaporation temperature thereof while said metal is supported thereby, said filament comprising a strand of tungsten wire coated with a metal having an evaporation temperature higher than the evaporating temperature of said first-named metal for inhibiting the formation of an alloy of said first-named metal and tungsten.

a butadiene-1,3 hydrocarbon and from 5 to 95% by weight of a neutral organic compound composed of carbon, hydrogen, and oxygen, and containing an oxygen-containing structure selected from the class consisting of



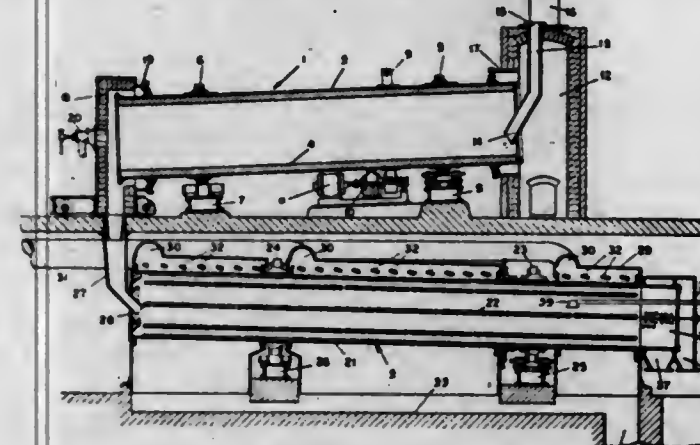
and —O—, the said oxygen-containing structure being connected by each of its valences to a radical containing an olefinic carbon to carbon double bond present in a group selected from the class consisting of



2,384,573

METHOD OF RECLAIMING MOLDING AND CORE SAND

Benjamin A. Smith, Rocky River, Ohio, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio, a corporation of Ohio
Application August 29, 1942, Serial No. 456,671
3 Claims. (Cl. 22—217)



1. The method of conditioning foundry sand and the like which comprises gradually heating the same to a red heat, and then simultaneously agitating and slowly cooling the same in a chamber, from which the major portion of the heat is abstracted by conduction, and then applying water to the sand in an amount such that the residue in the sand after cooling to room temperature provides substantially the required moisture content for its desired use.

2,384,574

BUTADIENE-1,3 COPOLYMERS

William D. Stewart and Benjamin M. G. Zwicker, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application May 26, 1942,
Serial No. 444,597

14 Claims. (Cl. 260—84.5)

1. The method which comprises subjecting to emulsion polymerization a mixture comprising three different monomers copolymerizable in aqueous emulsion, one of said monomers, present in at least 50 weight percent of said mixture, consisting of a butadiene-1,3, another of said monomers, present in a small amount but not over 10 mol. percent of said mixture, consisting of an amide of a monocarboxylic acid having a methylene group attached by an olefinic double bond to the alpha carbon atom, and the third of said monomers, making up the remainder of said mixture, consisting of an unsaturated compound selected from the class consisting of styrene, acrylonitrile, methacrylonitrile, methylacrylate, methyl methacrylate, vinylidene chloride, methyl isopropenyl ketone and methyl vinyl ether.

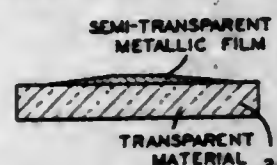
578 O. G.—15

2,384,577 ESTERS

John C. Thomas, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 3, 1944,
Serial No. 524,922
1 Claim. (Cl. 260—455)
Methylene bis(dimethyldithiocarbamate).

2,384,578 OPTICAL ELEMENT

Arthur F. Turner, Brighton, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application March 10, 1943, Serial No. 478,673
2 Claims. (Cl. 95—81)



1. An optical device for compensating the variations in intensity of the image produced by a lens and adapted to be positioned in optical alignment therewith, said device comprising a body of transparent material having opposite polished faces, a semi-transparent film of metallic material in optical contact with one face of the body, said film being resistant to abrasion and corrosion and having a substantially neutral effect on transmitted light rays, said film having a substantially frusto-conical shape with its thickest portion positioned centrally of the body and adapted to be positioned substantially in alignment with the axis of the lens.

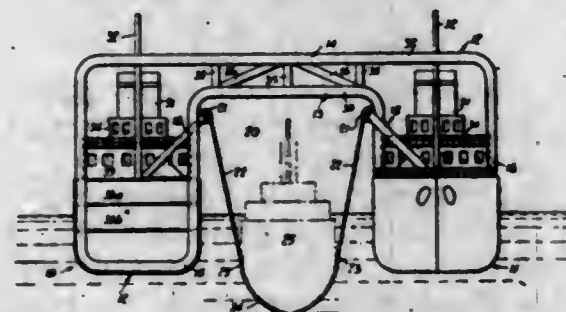
2,384,579 IRON PIGMENTS

Vincent C. Vesce, Ridgewood, N. J., assignor to Harmon Color Works, Inc., Haledon, N. J., a corporation of New York
No Drawing. Application August 20, 1941,
Serial No. 407,681
7 Claims. (Cl. 260—22)

1. A method of preparing a substantially non-livering iron oxide pigment preparation which is transparent in the form of a thin layer, comprising mixing a wet colloidal subdivided precipitate of ferric hydroxide with an aqueous emulsion of an alkyd resin dissolved in a water-immiscible volatile organic solvent to form a colloidal dispersion, and subjecting the resulting dispersion to azeotropic distillation to remove substantially all the water, and to transfer gradually the pigment and the alkyd resin from the aqueous to the non-aqueous phase.

2,384,580 SALVAGING DEVICE

Joseph Wertheimer, Far Rockaway, N. Y.
Application June 5, 1944, Serial No. 538,787
3 Claims. (Cl. 114—51)

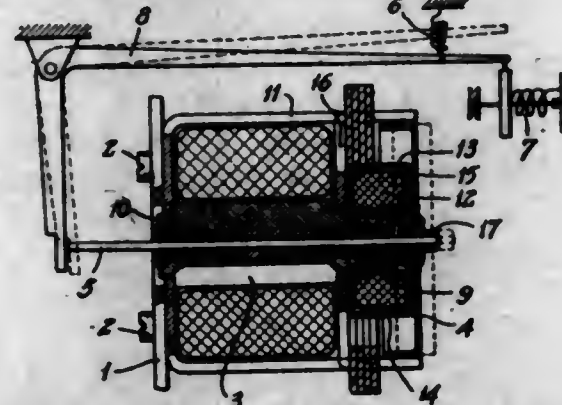


1. Salvaging apparatus comprising a pair of vessels, means maintaining said vessels in fixed

spaced relation, said means comprising a plurality of girders, each of said girders including U-shaped portions, one within the other, and other U-shaped portions enveloping the sides and bottom of said vessels, respectively, said other portions being connected to said first-named portions, and means connected to said vessels for supporting water craft between said vessels.

2,384,581 SYNCHRONOUS MOTOR TIME METER

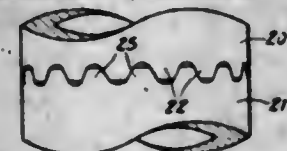
Alfred Wiedemeier, Zug, Switzerland, assignor to Landis & Gyr, A.-G., Zug, Switzerland, a corporation of Switzerland
Application November 12, 1941, Serial No. 418,727
In Switzerland December 30, 1940
7 Claims. (Cl. 172—120)



2. A time measuring means for an electric circuit including in combination a motion controlling device, a synchronous motor having a field coil and a rotor axially movable in one direction under the influence of the magnetic field produced by the coil, an auxiliary coil mounted on the motor and energized when the field coil is energized to produce an auxiliary magnetic field also influencing the rotor to axially move it in the same direction, a holding device movable by the axial shifting of the rotor to engage and hold the motion controlling device from movement, and means acting on said holding device for retracting it and causing it to axially shift the rotor in the opposite direction when the magnetic fields are interrupted.

2,384,582 FACE CLUTCH

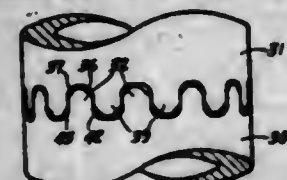
Ernest Wildhaber, Brighton, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application May 22, 1942, Serial No. 444,031
38 Claims. (Cl. 192—108)



1. A face clutch member having teeth whose opposite sides are curved longitudinally from end to end, the centers of lengthwise curvature of the opposite sides of each tooth lying, respectively, at opposite sides of the tooth.

2,384,583 FACE CLUTCH

Ernest Wildhaber, Brighton, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application November 17, 1942, Serial No. 465,862
25 Claims. (Cl. 192—67)

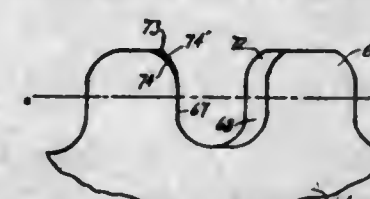


1. A toothed face clutch member whose teeth have longitudinally curved side surfaces and are

chamfered along their top edges, side surfaces of teeth and chamfered portions of teeth being co-axial surfaces of revolution whose axes are inclined to the clutch axis.

2,384,584 FACE CLUTCH

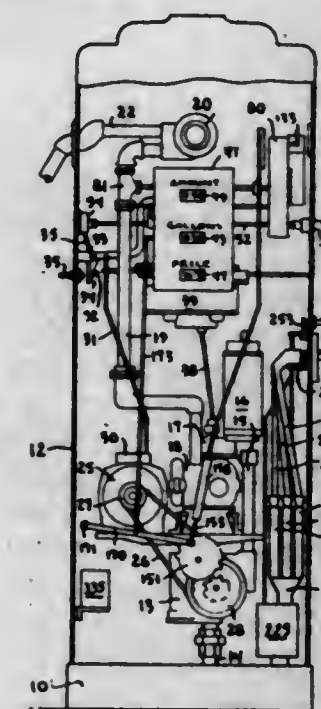
Ernest Wildhaber, Brighton, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Original application December 21, 1942, Serial No. 469,610. Divided and this application September 3, 1943, Serial No. 501,158
15 Claims. (Cl. 192—67)



1. A toothed face clutch member having longitudinally curved teeth which are chamfered along their top edges, the chamfered portions of the teeth being longitudinally curved helicoidal surfaces.

2,384,585 COIN-CONTROLLED LIQUID DISPENSING APPARATUS

John M. Alexander, Lincoln, Nebr.
Application September 2, 1941, Serial No. 409,213
18 Claims. (Cl. 194—13)

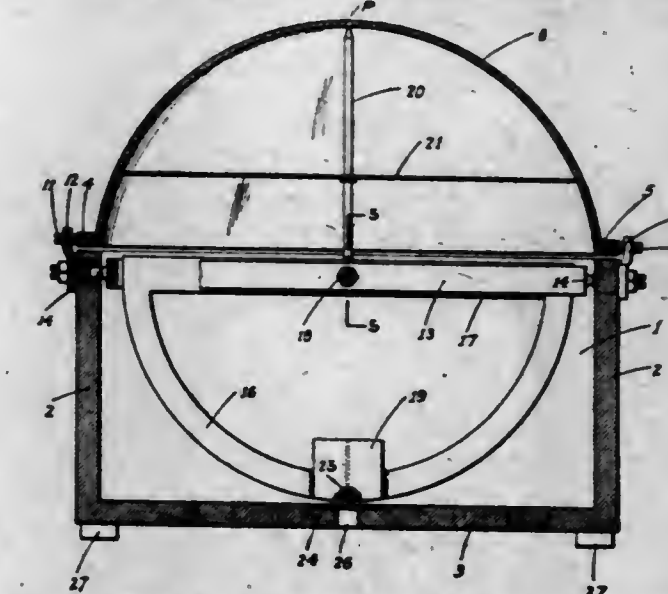


13. In combination, a liquid flow line, a pump for supplying liquid to said flow line, a meter for measuring the liquid passing through said flow line, indicia carrying registering means for indicating the passage of liquid through said flow line, a valve in said flow line, preselector means controlled by said registering means for maintaining said valve open until a predetermined amount of liquid is indicated, said preselector means including indicating means adapted to be set to a predetermined selected amount without affecting said registering means and subtracting means for returning the indicating means to a predetermined position, operative connections between said registering means and said subtracting means for driving the latter by the former, said indicating means carrying indicia corresponding to the indicia carried by said registering means, an electric motor means operatively connected to said indicating means for setting the same, means for receiving any one of a plurality of predetermined denominations of coins, means operative to energize said motor means in accordance

with the value of the inserted coin so as to cause said motor to set said indicating means so that the indicia thereon indicate an amount corresponding to the value of said coin, said operative connections between said registering means and subtracting means being effective to so drive said subtracting means that when said indicating means has reached said predetermined position, the indicia of the registering means indicate the predetermined amount.

2,384,586 LEVEL

Fred J. Allgeo, San Francisco, Calif.
Application July 20, 1943, Serial No. 495,461
6 Claims. (Cl. 33—215)



1. A mechanical gravity actuated level comprising an initially open topped box, a hemispherical dome mounted on the box at the top and opening to the interior thereof, said dome being transparent and having a scale thereon, a cross beam extending from side to side of the box, bearings supporting said beam at opposite ends for rotation about its longitudinal axis, a pendulum including an upstanding pointer and a depending weight, and bearing means pivotally mounting said pendulum intermediate its ends on said beam for swinging movement in a plane lengthwise of the latter, the axis of the beam and the axis of the pendulum being at a right angle to each other in a horizontal plane and intersecting at the center point of the dome; there being a scaled ring concentrically surrounding and supported by the pointer intermediate its ends, said ring being of substantial diameter and the periphery of the ring being closely adjacent the inner surface of said dome.

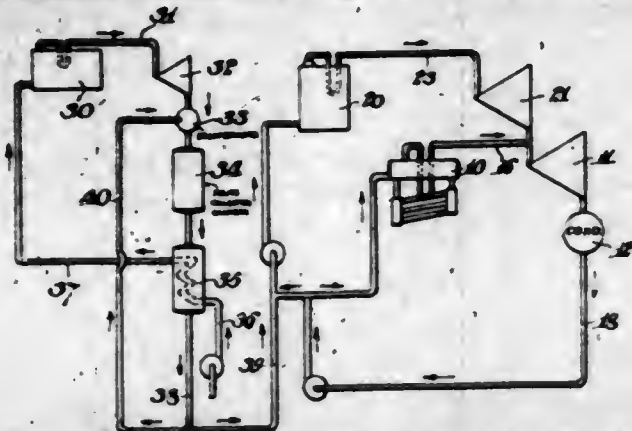
2,384,587 SYSTEM FOR GENERATING STEAM

John Phillips Badenhausen, Philadelphia, Pa.
Application February 16, 1944, Serial No. 522,557
9 Claims. (Cl. 60—95)

1. Apparatus for supplying make-up to a closed motive fluid circuit power plant having a high capacity main steam generator therein including a second steam generator for generating steam at a higher pressure than said main steam generator, expanding means including a prime mover connected to said second steam generator, means for reducing the pressure and temperature of the steam from said prime mover, and a chamber for receiving steam from said reducing means and for collecting solid materials carried by said steam, and fluid delivery connections from said chamber to said main steam generator.

8. Apparatus for supplying condensate of high purity including a steam generator for collecting and retaining solid materials in solid and

liquid form, means for reducing the pressure and temperature of the steam from said steam generator, means for collecting solid materials thrown

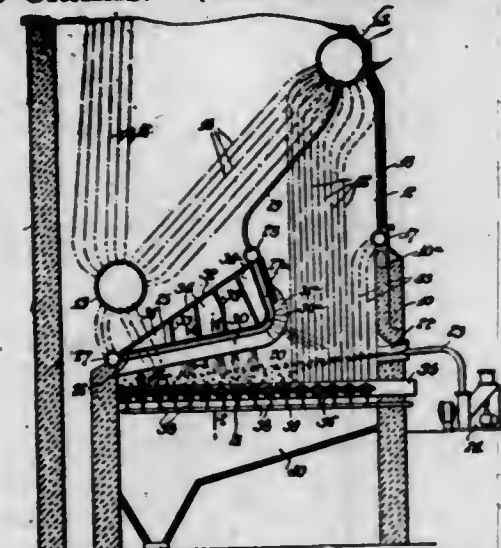


down by said reduction, and means including a heat exchanger for condensing the fluid from said collecting means.

2,384,588

STEAM GENERATOR

John Phillips Badenhansen, Philadelphia, Pa.
Application March 16, 1944, Serial No. 526,707
8 Claims. (Cl. 122-374)

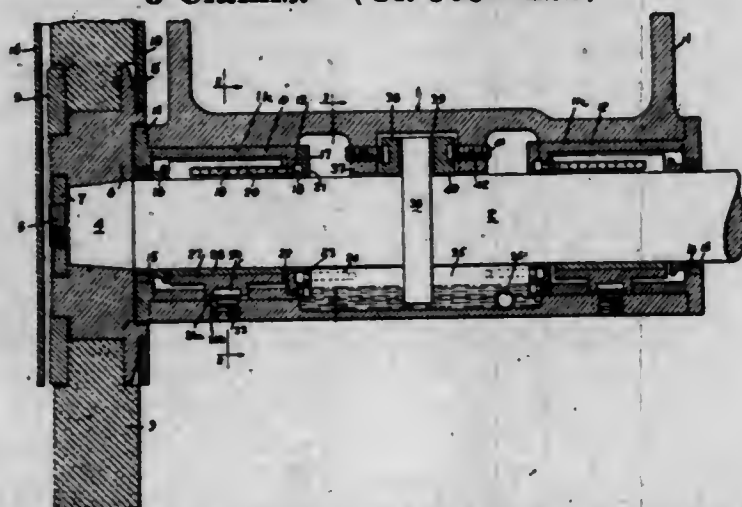


1. In a steam generator, a combustion chamber having side walls and a closed bottom wall providing a hearth, headers extending along said side walls, and spaced horizontal tubes connecting said headers, said bottom wall including hearth blocks supported on said tubes, and means for oscillating said hearth blocks for permitting the discharge of ash therebetween.

2,384,589

BEARING FOR ROTARY SPINDLES

William G. Baldenhofer, Springfield, Ohio, assignor to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio
Application August 16, 1941, Serial No. 407,184
3 Claims. (Cl. 308-122)



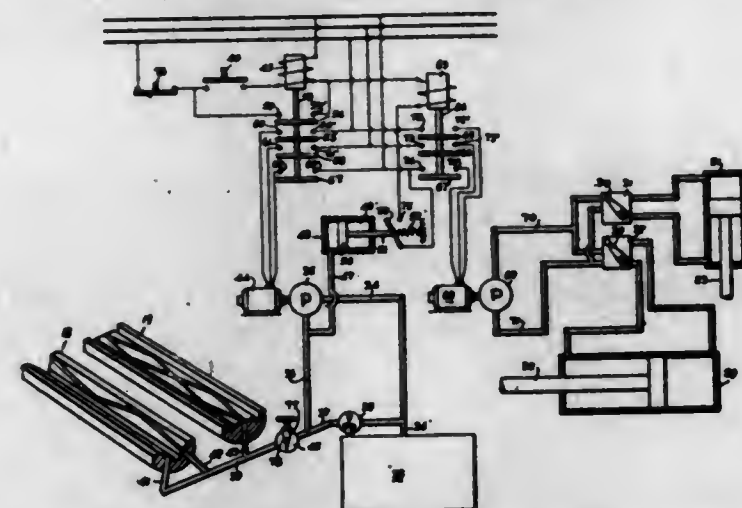
1. A bearing structure for a rotary shaft comprising a pair of radial bearings disposed adjacent the opposite ends of the shaft, and a thrust bearing intermediate said radial bearings, each of said bearings comprising a plurality of pivot-

ally mounted bearing shoes, the shoes of the radial bearing being symmetrically disposed with respect to a center line drawn through the center of the shaft and one of the shoes being positioned directly below the shaft, said one shoe being adjustably mounted, a collar on the shaft, a plurality of thrust bearing shoes in contact with opposite sides of the collar and positioned symmetrically with respect to a vertical line drawn through the center of the shaft but all disposed considerably above the lower portion of the collar all of said thrust bearing shoes being adjustably mounted, and means for lubricating the radial and thrust bearing shoes.

2,384,590

LUBRICATING SYSTEM FOR MACHINE TOOLS

William G. Baldenhofer, Springfield, Ohio, assignor to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio
Application January 22, 1942, Serial No. 427,776
13 Claims. (Cl. 184-6)

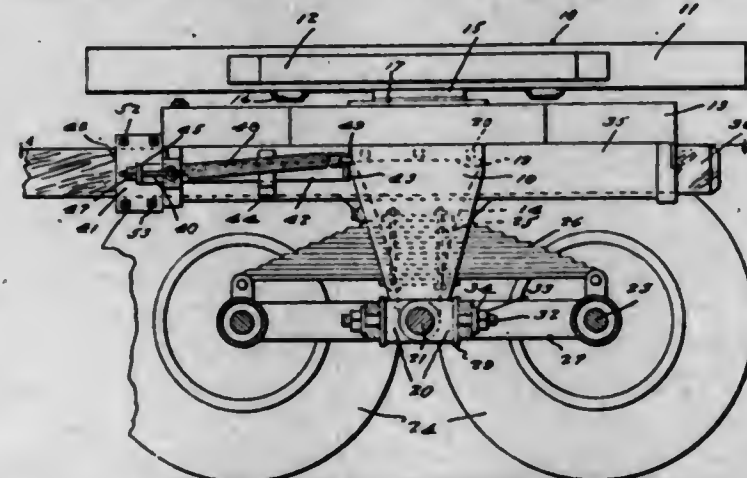


1. A lubricating system comprising: means for delivering lubricant at desired points in open circuit; flow controlling and pressure establishing means in the delivery line of said lubricant delivery means said flow controlling and pressure establishing means being connected intermediate said delivery means and said desired points; switch means adapted to be actuated by pressure established by said pressure establishing means in said delivery means and connected thereto; and fluid handling means actuated by said switch adapted to control the movement of operative elements; whereby lubricant pressure and flow are established at desired points before said operative elements are placed in motion.

2,384,591

TRAILER

Richard Barries, Susanville, Calif.
Application October 6, 1944, Serial No. 557,425
5 Claims. (Cl. 280-33.9)



1. In a device of the character described, in combination, a wheeled frame, means forming a

channel carried by said frame, a tow pole slidably mounted in said channel, plates disposed on opposite sides of said pole, lugs on the inner sides of said plates adapted to engage in said pole, bolts securing said plates tightly against said pole, tongues extending from said plates along the sides of said channel, brackets securing said members to said channel, tension springs secured between said plates and said frame.

2,384,592

SINGLE-POWDER PHOTOGRAPHIC DEVELOPERS

Frederic R. Bean, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 22, 1943, Serial No. 484,061
10 Claims. (Cl. 95-88)

1. A single-powder photographic developer composition, substantially as described, containing an organic developing agent; a soluble, stable and photographically compatible basic ingredient selected from the group consisting of alkali borates, carbonates, sesquicarbonates, and phosphates; and phthalic anhydride.

2,384,593

ANTIFOGGANT

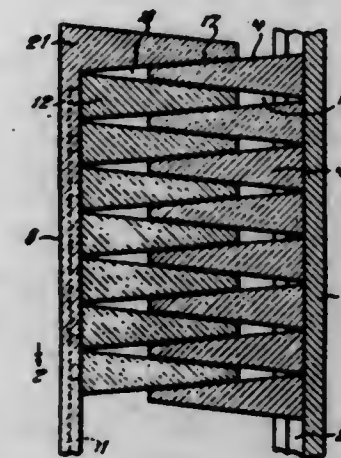
Frederic R. Bean, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 6, 1943, Serial No. 497,687
4 Claims. (Cl. 95-88)

1. A photographic developer containing a silver halide developing agent and a fog inhibiting amount of an alkali-metal salt of 6-nitrobenzimidazole.

2,384,594

PROTECTIVE ARMOR

Harry C. Bierman, New Rochelle, N. Y.
Application October 18, 1941, Serial No. 415,515
13 Claims. (Cl. 109-81)



1. Armor plate comprising wedge-shaped members extending outwardly and complementary wedge-shaped members extending inwardly, the latter members being alternately arranged relative to the first said members, the faces of said several members being in frictional contact, said members being mounted for relative movement, the apexes of said members terminating short of the bases of the respective opposed wedges, whereby an impact on one of said members causes transmission of the force over a relatively large area of the faces of adjacent members.

2,384,595

LUBRICATING OIL

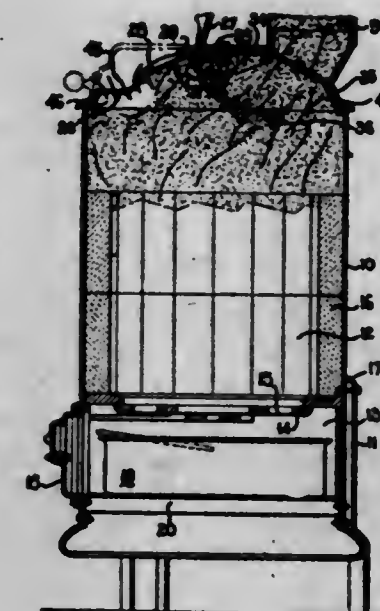
Charles M. Blair, Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Original application May 31, 1943, Serial No. 489,237. Divided and this application February 21, 1944, Serial No. 523,349
7 Claims. (Cl. 252-56)

1. A lubricating oil, consisting of a mineral lubricating oil and a relatively small amount of an ester; the amount of said ester being within the approximate range of 0.25% to 5%, by weight, based on the weight of the aforementioned mineral lubricating oil, and said ester being an alpha-beta unsaturated carboxylic acid-unsaturated aliphatic alcohol polyester addition-condensation polymer; said acid containing less than 10 carbon atoms and being free from vinyl radicals and said alcohol containing at least 8 and less than 32 carbon atoms, and having at least 3 intervening carbon atoms between the carbon atoms to which the hydroxyl group is attached and the nearest ethylenic carbon atom.

2,384,596

MAGAZINE STOVE

William A. Burke, Harry J. Frese, and William Otto Frese, Portsmouth, Ohio, assignors to The Ohio Stove Company, Portsmouth, Ohio, a corporation of Ohio
Application August 18, 1943, Serial No. 499,090
6 Claims. (Cl. 126-73)



1. In a heating appliance, a combustion chamber, a top for said combustion chamber having a substantially horizontally disposed opening therein, a door to cover said opening, flue means communicating through a second opening in said top with said combustion chamber and through which gases are discharged therefrom, and baffle means pivotally mounted between said openings and adjacent one edge of said door opening, counterweight means connected to said baffle means for normally positioning said baffle means in a substantially horizontal position to close a part of said door opening whereby to reduce the area of said door opening and prevent discharge of gases through said reduced area when said door is opened, said counterweight means acting to direct combustion gases to said second opening when said baffle means is pivoted downwardly.

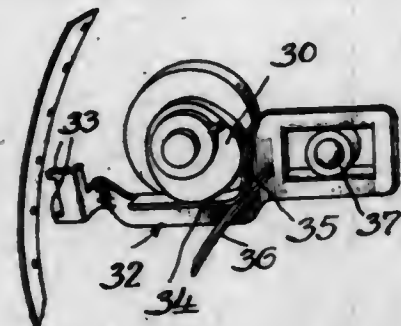
2,384,597

MOTION-PICTURE APPARATUS

Forrest O. Calvin, Kansas City, Mo., William G. Wilson, Merriam, Kans., and Thomas R. Smith, Newton, Iowa, assignors to Movie-Mite Corporation, Kansas City, Mo., a corporation of Missouri

Original application January 9, 1940, Serial No. 313,088, now Patent No. 2,319,111, dated May 11, 1943. Divided and this application October 13, 1942, Serial No. 461,837

3 Claims. (Cl. 88—18.4)



1. In a motion picture projector, mechanism for moving the film in its proper intermittent motion through the projector and comprising a member having a claw at one end adapted to engage and move the film and a cam follower consisting of a flat bottom surface and a convex rear surface, said follower forming part of said member and being located adjacent the opposite end of said claw the bottom follower surface controlling the up and down movement of the claw, and the convex rear follower surface controlling the in and out motion of the claw to give a predetermined cyclic motion in which the teeth of the claw go straight into the sprocket holes of the film and hesitate there before downward motion is imparted, a continuously rotating drive shaft, a single cam mounted on the shaft and adapted to control the path of the member, and spring means for continuously urging the bottom and rear follower surfaces into contact with the cam.

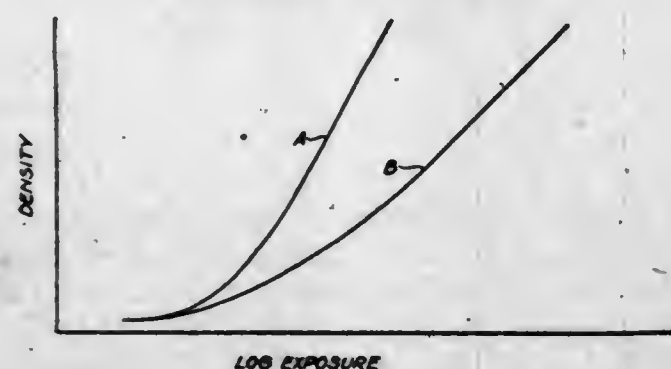
2,384,598

PHOTOGRAPHIC MATERIAL

Burt H. Carroll, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application March 14, 1941, Serial No. 383,379

12 Claims. (Cl. 95—7)



1. A process for preparing a photographic printing material for the production of images of different contrast under the same conditions of development comprising dividing a batch of one photographic silver halide emulsion into two portions of unequal volume, one portion constituting from about $\frac{1}{4}$ to about $\frac{1}{2}$ of the total volume of the batch, sensitizing the smaller portion with a sensitizing dye which does not wander from the silver halide grains so that the two portions of emulsion are sensitized to different spectral regions, and then mixing the two portions of emulsion together.

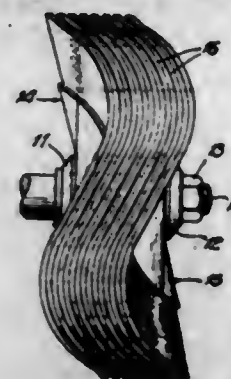
2,384,599

BUFFING AND POLISHING WHEEL

Bernard C. Case, Detroit, Mich., assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J., a corporation of New Jersey

Application August 13, 1942, Serial No. 454,653

4 Claims. (Cl. 51—193)



1. A plurality of sections preformed for registered assembly in forming waved rotary buffing and polishing wheels, each section being in the form of a flat centrally-perforated peripherally-continuous flexible disk of generally circular outline with convexly-contoured radial protrusions uniformly spaced around the circumference, and having means for registering it circumferentially with respect to adjacent sections.

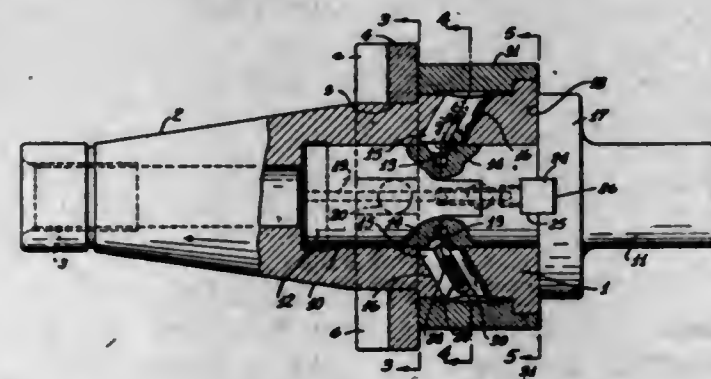
2,384,600

TOOLHOLDER

Charles A. Cherry, Detroit, Mich., assignor, by mesne assignments, to Beaver Tool & Engineering Corp., Big Beaver, Mich., a corporation of Michigan

Application September 9, 1943, Serial No. 501,635

1 Claim. (Cl. 279—81)



A tool holder comprising a member having an axially extending bore therein and a substantially radially extending bore extending inwardly and inclined rearwardly with respect to the holder, a locking plunger in said last named bore and having a conical point, said conical point being disposed at an angle with respect to the body portion of the plunger such that the axis of the conical point resides in a true radial position with respect to the holder, an adapter body received in said axial bore and having a radially disposed recess engaged by said conical point, yielding means urging said plunger outwardly, and manually operable cam means for moving said plunger inwardly into locking engagement with said recess.

2,384,601

METHOD FOR MAKING MOTION PICTURES

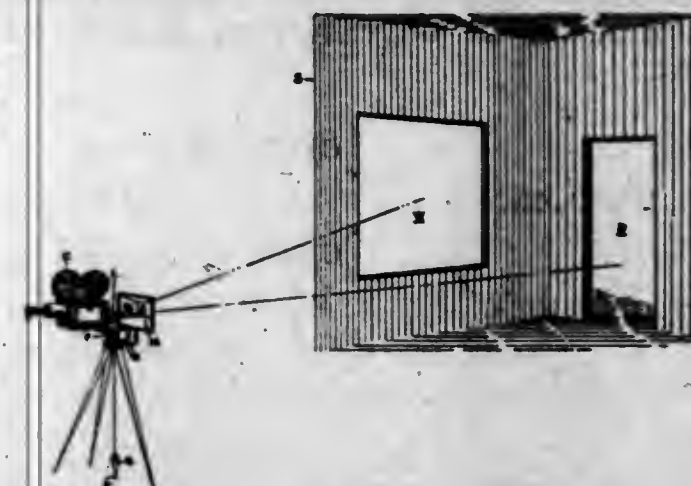
Daniel Bryan Clark, Los Angeles, Calif., assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif., a corporation of New York

Application January 9, 1942, Serial No. 426,205

7 Claims. (Cl. 88—16)

1. A method for making motion pictures consisting in making a negative of a still scene to be shot treating said negative so that the densi-

ties produced therein will not be complementary to corresponding light intensities of the scene



and subsequently photographing action in the same scene through said negative in photographic registration with the scene.

2,384,602

MOP

Paul B. Coats, Chicago, Ill.

Application August 17, 1942, Serial No. 455,081

1 Claim. (Cl. 15—229)



In a mop, an elongated streamline head having an overall smooth convex top face defined by parallel longitudinally extending lateral sides and a flat lowermost face, one of said lateral sides being wider than the other, an upwardly directed socket in said head at a point of juncture of said top face and said wide lateral side; said lowermost face being formed with two parallel channels having substantially parallel walls, strands of mop yarn taped together substantially midway between their ends, the taped portions being positioned in said channels, yarn securing means extending longitudinally of said channels and beneath said taped portions, fastening means extending through said first mentioned means and said taped portions and into said head, the ends of said strands extending downwardly from said first means and forming closely associated strand portions in parallel rows extending from end to end of said head, and a handle in said socket.

2,384,603

COMBER NIPPER SYSTEM

Frank L. Crockett, Tenants Harbor, Maine, assignor to Whittin Machine Works, Whittinsville, Mass., a corporation of Massachusetts

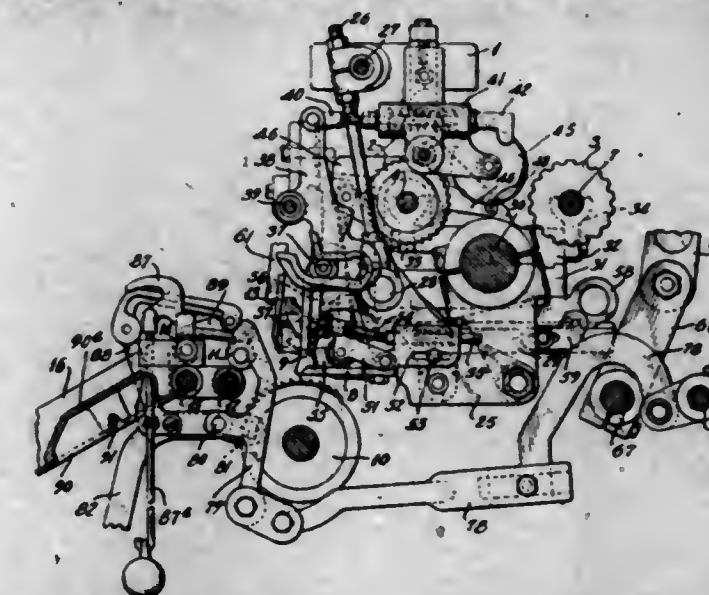
Original application October 2, 1940, Serial No. 359,385, now Patent No. 2,353,812, dated July 18, 1944. Divided and this application August 13, 1942, Serial No. 454,748

9 Claims. (Cl. 19—121)

5. In a comber, a swinging nipper frame including a nipper knife provided with cam tracks at the sides of the frame to move the knife in both opening and closing directions and means

for independently adjusting the action of said cam tracks on said knife.

8. In a cotton comber a nipper system including nipper jaws with pressure faces mutually



conformed with parallel opposing faces to bend the lap at a plurality of points but only to obtuse angles at each point, all of said faces being transverse to the nipper jaw movement.

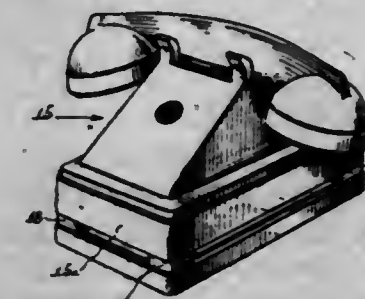
2,384,604

TELEPHONE COUPLING APPARATUS

Charles W. Dann, Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application February 4, 1944, Serial No. 521,118

7 Claims. (Cl. 179—2)



1. In apparatus for association with a telephone box, including a pick-up coil for effecting a magnetic coupling with the telephone induction coil contained in said box, said pick-up coil having a magnetic core with pole portions extending radially of the coil; the combination of a housing for said pick-up coil shaped to cooperate with a wall of said box and be thereby localized in relation thereto; and means in said housing for holding said pick-up coil adjacent to the said wall of said box and in position wherein the coil is axially parallel to said wall and said pole portions are directed theretoward.

2,384,605

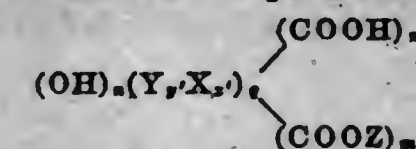
DERIVATIVES OF 5-AMINO-1,3-DIOXANES AND METHOD OF MAKING SAME

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Original application December 10, 1943, Serial No. 513,779. Divided and this application July 26, 1944, Serial No. 546,744

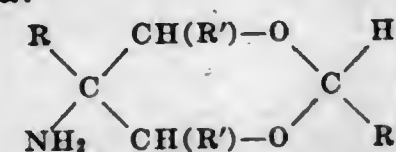
12 Claims. (Cl. 260—338)

1. A new composition of matter, comprising a sub-resinous esterification product of the formula

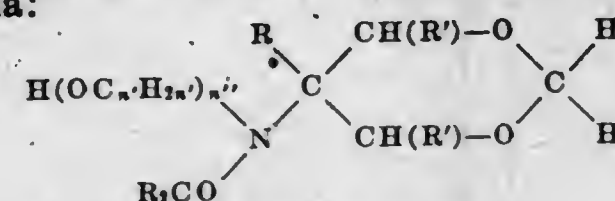


in which y' represents a small whole number not greater than 3, and x' represents a small whole number not greater than 5, and n , m and m'

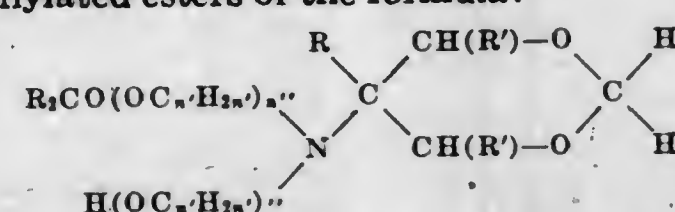
indicate small numerals from 0 to 40; q indicates a small whole number not over 20; Z is a hydrogen ion equivalent; Y is the radical of an acylated and oxyalkylated derivative of 5-amino-1,3-dioxanes; said amino-dioxanes having the structural formula:



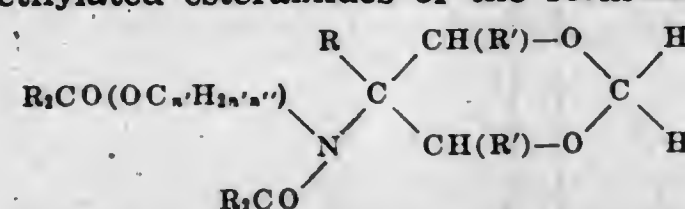
wherein R is a member of the class consisting of hydrogen, alkyl, and alpha-hydroxyalkyl, R' is a member of the class consisting of hydrogen, alkyl, and aryl; said acylated and oxyalkylated amino-dioxane derivatives being selected from the class consisting of oxyalkylated amides of the formula:



oxyethylated esters of the formula:



oxyethylated esteramides of the formula:



in which R and R' have their prior significance and $R_2\text{CO}$ is the acyl radical of a detergent-forming monocarboxy acid having at least 8 and not more than 32 carbon atoms and n'' represents the numerals 2 to 10 and n' represents the numerals 3 to 20; X is a polybasic carboxy acid radical.

2,384,606

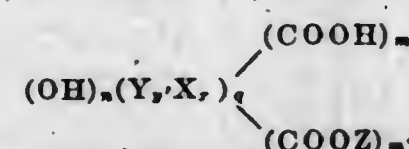
DERIVATIVES OF 5-AMINO-1,3-DIOXANES AND METHOD OF MAKING SAME

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

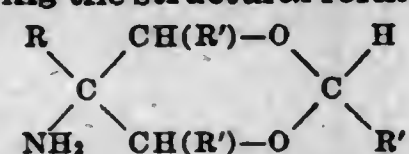
No Drawing. Original application December 10, 1943, Serial No. 513,780. Divided and this application July 26, 1944, Serial No. 546,745

12 Claims. (Cl. 260-338)

1. A new composition of matter, comprising a sub-resinous esterification product of the formula:

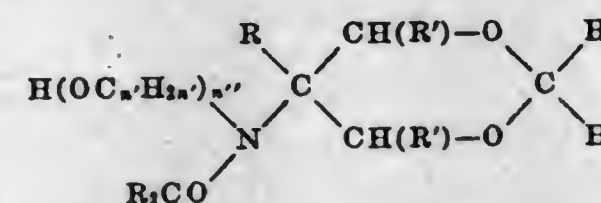


in which y' represents a whole number not greater than 3; and x' represents a whole number not greater than 5, and n , m , and m' indicate numerals from 0 to 40; q indicates a whole number not over 20; Z is a hydrogen ion equivalent; Y is the radical of an acylated and oxyalkylated derivative of 5-amino-1,3-dioxanes; said amino-dioxanes having the structural formula:

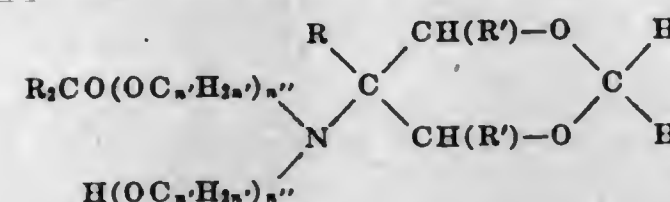


wherein R is a member of the class consisting of hydrogen, alkyl, and alpha-hydroxyalkyl, R'

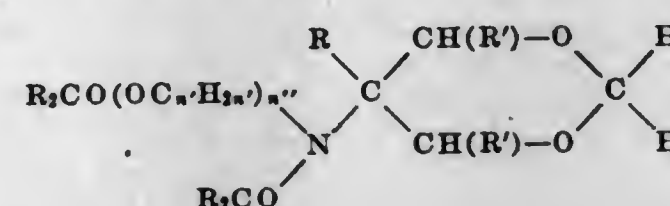
is a member of the class consisting of hydrogen alkyl, and aryl; said acylated and oxyalkylated amino-dioxane derivatives being selected from the class consisting of oxyalkylated amides of the formula:



oxyethylated esters of the formula:



and oxyethylated esteramides of the formula:



in which R and R' have their prior significance and $R_2\text{CO}$ is the acyl radical of a detergent-forming monocarboxy acid having at least 8 and not more than 32 carbon atoms and n'' represents the numerals 2 to 10 and n' represents the numerals 3 to 20; X is the radical of a polycarboxy acid fractional ester; said fractional ester being selected from the class consisting of

(a) Fractional esters derived by reaction between a polycarboxy acid and a hydroxylated detergent-forming monocarboxy acid;

(b) Fractional esters derived by reaction between a polycarboxy acid and a monohydric alcohol ester of a hydroxylated detergent-forming monocarboxy acid;

(c) Fractional esters derived by reaction between a polycarboxy acid and a hydroxylated polyhydric alcohol ester of a detergent-forming acid.

2,384,607

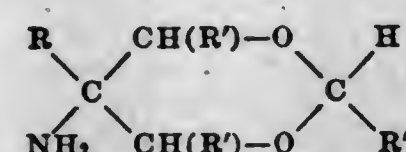
DERIVATIVES OF 5-AMINO-1,3-DIOXANES AND METHOD OF MAKING SAME

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Original application December 10, 1943, Serial No. 513,781. Divided and this application July 26, 1944, Serial No. 546,746

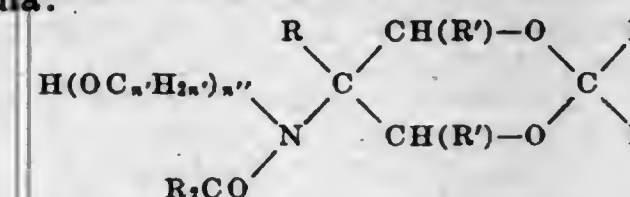
9 Claims. (Cl. 260-338)

1. A new composition of matter, comprising an acylated and oxyalkylated derivative of 5-amino-1,3-dioxanes; said amino-dioxanes having the structural formula:

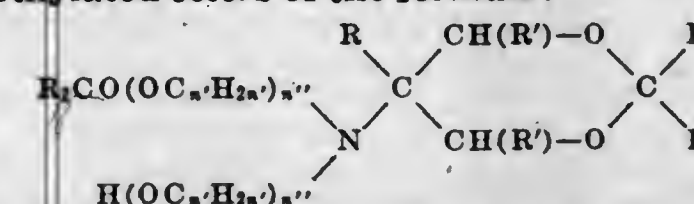


wherein R is a member of the class consisting of hydrogen, alkyl, and alpha-hydroxyalkyl, R' is a member of the class consisting of hydrogen, alkyl, and aryl; said acylated and oxyalkylated amino-dioxane derivatives being selected from the

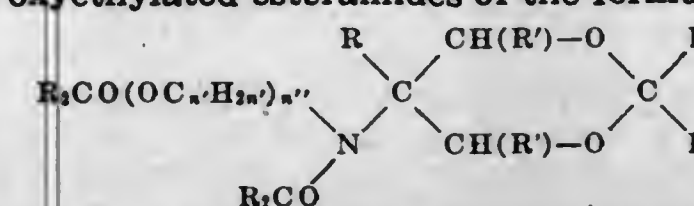
class consisting of oxyalkylated amides of the formula:



oxyethylated esters of the formula:



and oxyethylated esteramides of the formula:



in which R and R' have their prior significance, and $R_2\text{CO}$ is the acyl radical of a detergent-forming monocarboxy acid having at least 8 and not more than 32 carbon atoms and n'' represents the numerals 2 to 10 and n' represents the numerals 3 to 20.

2,384,608

ACYLATED AMINOALCOHOL ESTERS OF CARBONIC ACID

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Original application March 9, 1943, Serial No. 478,594. Divided and this application September 2, 1943, Serial No. 501,028

7 Claims. (Cl. 260-494)

1. The acylated derivative of a hydroxylated aminoalcohol ester of carbonic acid; in said ester all carbonic acid hydrogen atoms being replaced by radicals which, in turn, are the residues of aminoalcohols exclusive of a hydroxyl group, and said aminoalcohol esters having not over 6 nitrogen atoms and are such in which all amino radicals are tertiary and in which there is present at least one alkanol radical attached to an amino nitrogen radical; and the acyl radical which replaces an oxygen-linked hydrogen atom of said aforementioned hydroxylated carbonic acid ester, being that of a detergent-forming monocarboxy acid having at least 8 and not more than 32 carbon atoms.

2,384,609

FUEL CARBURATION SYSTEM

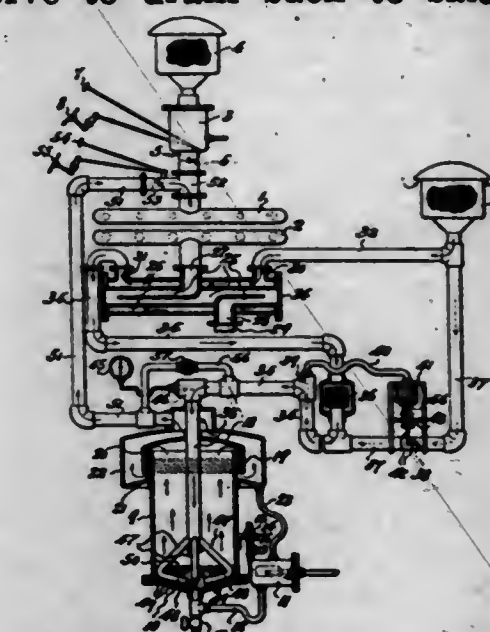
Reinier P. De Vries, Melrose, Mass.

Application February 19, 1943, Serial No. 476,391

1 Claim. (Cl. 261-14)

A liquid fuel vaporizer apparatus comprising a vaporizing chamber having a closed bottom and an open top and adapted to contain a volume of a selected volatilizable liquid fuel, means to deliver hot air for passage into and upwardly through the liquid fuel contained in said vaporizing chamber, a diametrically enlarged hood extending over the open top of said vaporizing chamber with dependent sides thereof overlapping the sides of the latter in concentrically spaced relation thereto whereby to provide a downwardly open gaseous mixture discharge passage leading out of said vaporizing chamber, oblique vanes intersecting said discharge passage operative to impart swirling movement to the gaseous mixture outgoing therefrom, a closed diametrical-

ly enlarged annular collection and drying chamber surrounding said hood and the upper end of said vaporizing chamber in concentrically spaced relation thereto adapted to receive the discharged gaseous mixture, a fuel mixture delivery conduit leading away from said collection and drying chamber, means to deliver liquid fuel to said vaporizing chamber including a float controlled valve chamber disposed exteriorly of the vaporizing chamber, a conduit in communication with and between the bottom interior of said drying and collection chamber and the interior of said float controlled valve chamber, whereby to balance the pressure within the latter chamber with that within the vaporizer chamber and to additionally serve to drain back to said float con-



trolled valve chamber any liquid fuel condensation accumulating in said drying and collection chamber, means to control the temperature of hot air delivered through the liquid fuel within the vaporizing chamber and the time of contact of said air with said liquid fuel to that best adapted for vaporizing a selected given grade of liquid fuel, said means comprising means to automatically regulate the temperature of said hot air, and means to mount said float controlled valve chamber subject to substantial vertical adjustment whereby to selectively vary the level or head of liquid fuel within the vaporizing chamber and thus the time of contact therewith of the hot air discharged into said liquid fuel for passage therethrough.

2,384,610

RECOVERY OF INDIUM

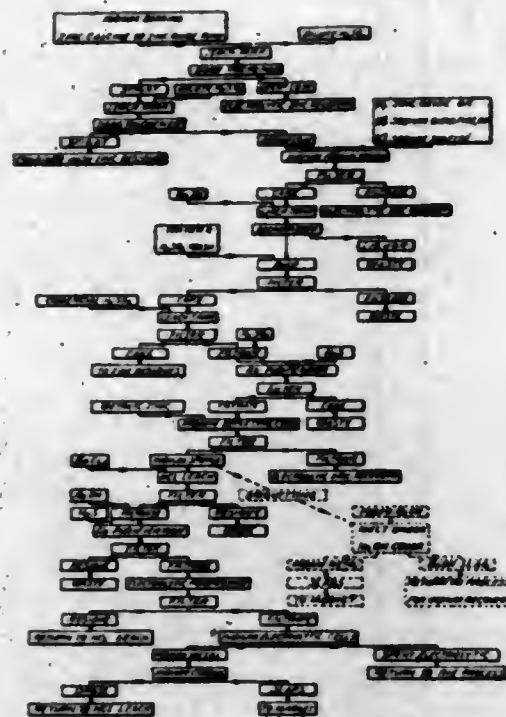
Homer M. Doran, Meryl A. Jackson, and Alfred L. Alf, Great Falls, Mont., assignors to Anaconda Copper Mining Company, New York, N. Y., a corporation of Montana

Application May 8, 1940, Serial No. 333,920

7 Claims. (Cl. 75-121)

1. In the method of recovering indium from indium-bearing material containing zinc in acid-soluble form and further containing impurities including iron, aluminum and arsenic, wherein the material is leached with a very dilute acid solution in such manner that the bulk of the zinc is dissolved and the indium remains in the undissolved residue and the indium-bearing residue is separated from the leach solution and dissolved in relatively strong acid to obtain an acid solution containing indium, the improvement which comprises treating the resulting indium-bearing solution to form an insoluble precipitate containing indium free from the bulk of the iron and arsenic originally present, treating the indium-bearing precipitate thus obtained with a solution of a strong alkali to dissolve aluminum and a further amount of arsenic therefrom, further treating the

precipitate with dilute sulphuric acid in such manner as to dissolve zinc therefrom without acidifying and dissolving indium from the precipitate, separating the thus-treated indium-bearing precipitate from the solution, dissolving the separated precipitate in a relatively strong acid solu-



tion, treating the acid solution with a sulphide to precipitate substantially all remaining arsenic therefrom, separating the resulting sulphide precipitate from the solution, treating the arsenic-free solution with metallic zinc, whereby metallic sponge indium is precipitated, and recovering metallic indium from the precipitated sponge.

2,384,611 RIGID FOAM

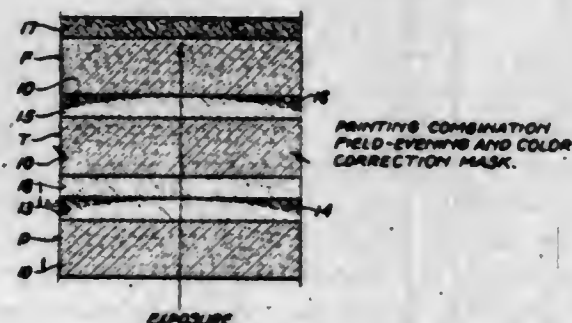
Orin R. Douthett, Brooklyn, N. Y., assignor to Barber Asphalt Corporation, Barber, N. J., a corporation of New Jersey
No Drawing. Application July 15, 1942,
Serial No. 451,089

13 Claims. (Cl. 260-28)

10. A light weight rigid material comprising a dried foam containing a multiplicity of voids defined by walls including polyvinyl alcohol, asphalt and a hardening agent.

2,384,612 COMBINATION FIELD-EVENING AND COLOR-CORRECTION PHOTOGRAPHIC MASK

Ralph M. Evans and Norma D. Miller, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 6, 1942, Serial No. 453,876
8 Claims. (Cl. 95-2)



1. The method of forming a color-corrected print by exposure through a color transparency and a lens system giving a field of illumination

decreasing in intensity from the center outward, which comprises exposing a light-sensitive silver halide emulsion layer to a light source through a lens system giving a field, developing in the exposed emulsion layer a positive image of said field, said image having density increasing from the center outwards, exposing a light-sensitive silver halide emulsion layer through said positive image and said color transparency, developing in said last-mentioned exposed layer a negative image, exposing a suitable sensitive photographic element through said negative image said color transparency and said first-mentioned lens system to said light source, and developing a color print from said exposed photographic element.

2,384,613 CHLOROANILINE ANTIFOGGANTS

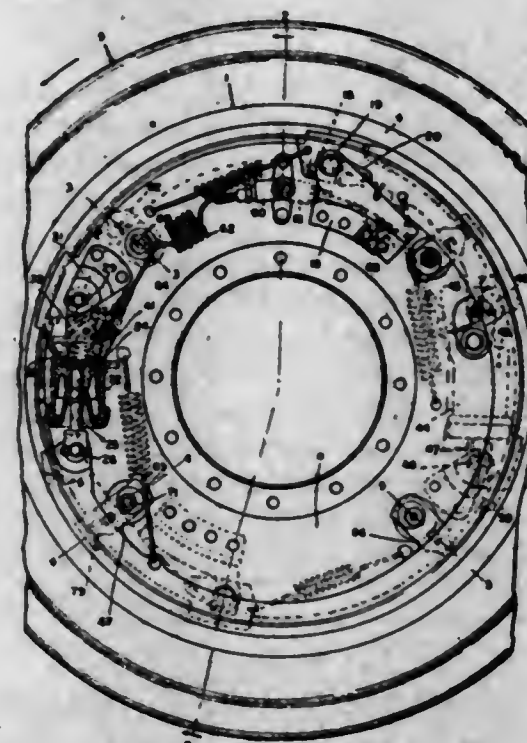
George E. Fallesen, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application January 13, 1944,
Serial No. 518,122

11 Claims. (Cl. 95-6)

1. A gelatino-silver halide emulsion containing a fog-inhibiting amount of a chloroaniline containing only one amino group and free of hydroxyl groups.

2,384,614 BRAKE

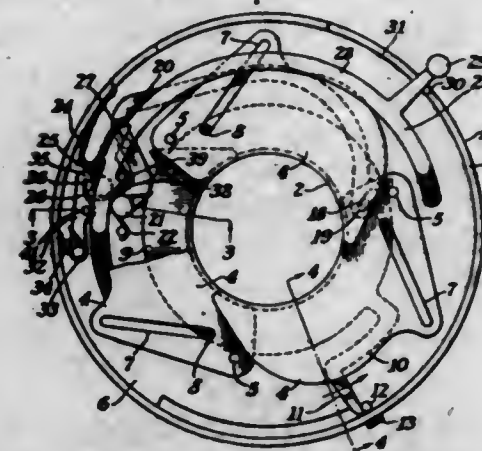
Joseph A. Forbes, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application July 26, 1943, Serial No. 496,191
7 Claims. (Cl. 188-79)



1. A brake comprising a brake drum, a pair of internal brake bands engageable with different axial zones of said drum throughout the major portions of their circumferential extents, a carrier plate, a wheel cylinder mounted on said plate for each band and operatively connected to an end thereof, an anchor mounted on said plate for each band located at an end thereof, said wheel cylinders being diametrically opposite each other and said anchors being diametrically opposite each other so that said bands when forced against said drum exert substantially balanced pressures upon said drum at diametrically opposite sides thereof, a brake fluid fitting mounted on said plate above said wheel cylinders, and tubes between said fitting and the upper ends of said wheel cylinders.

2,384,615 CAMERA SHUTTER

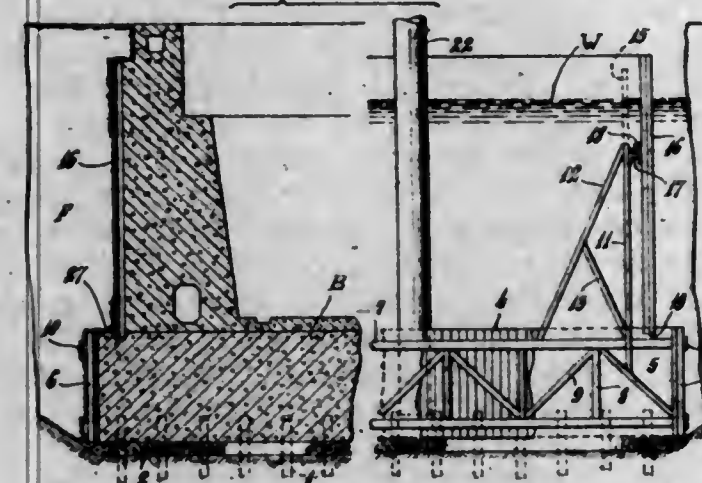
Carl C. Fuerst, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 4, 1943, Serial No. 501,239
13 Claims. (Cl. 95-63)



1. In a shutter for cameras of the type including a casing, shutter blades in the casing, mechanism for moving the blades including a setting lever and a power spring, the setting lever moving in one direction to set the spring and in an opposite direction when the spring is released, and movably mounted diaphragm leaves carried by the shutter casing, the combination with said diaphragm leaves, of a latch carried by the shutter and lying in the path of movement of the shutter setting lever, a driver for the diaphragm leaves operably connected to the diaphragm leaves for moving them, a latch element on the driver, a lug carried by the setting lever for moving the driver and with it the latch element into engagement with the latch carried by the shutter to hold the driver in an inoperative position, and means operable when the shutter setting member moves in an opposite direction when the spring is released for releasing the latch carried by the shutter.

2,384,616 BASIN OR GRAVING DRY DOCK

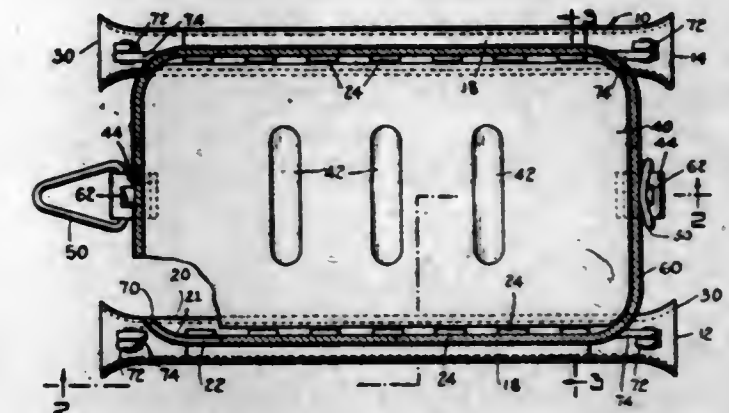
Frederic R. Harris, New York, N. Y.
Original application March 6, 1943, Serial No. 478,274. Divided and this application October 14, 1943, Serial No. 506,135
14 Claims. (Cl. 61-64)



1. A mold form for the bottom of a basin dry dock, having substantially parallel, vertical sides comprising reinforcing members, and vertical transversely extending plates joining said sides adjacent the ends thereof, said plates having horizontal shoulders presented outward of the respective ends.

2,384,617 SUPPORT FOR HEAT-TREATING CONTAINERS

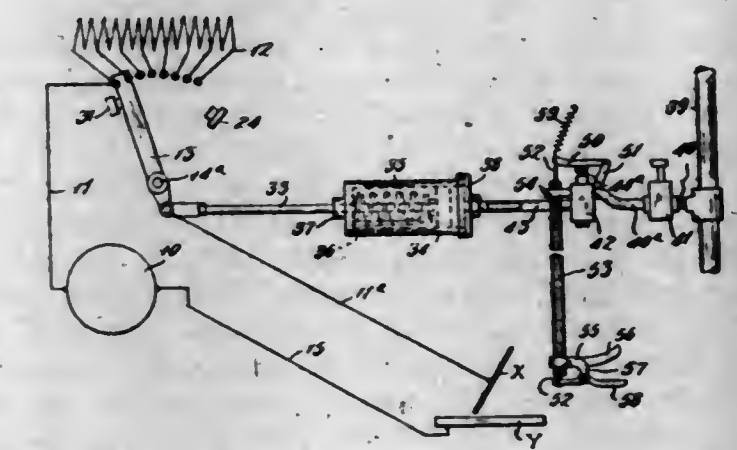
Henry H. Harris, Champaign, Ill.
Application February 27, 1943, Serial No. 477,475
2 Claims. (Cl. 263-47)



1. In combination, for use in a heat treating furnace having rails therewithin, an inverted open-mouthed work container, a closure therefor fitting into the container, cooperating means on the closure and on the container to maintain the closure within the container, and a plurality of container- and closure-supporting rail-overlying means, said rail-overlying means being longitudinally channeled to receive the container therewithin and support same thereon, said rail-overlying means also having a platform portion thereon to support the closure.

2,384,618 ARC WELDING APPARATUS

Edward S. Hebel, Williamsville, N. Y., assignor, by mesne assignments, of one-half to Unit Rays, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 23, 1942, Serial No. 451,983
4 Claims. (Cl. 201-48)



1. In combination with a source of current for an arc welding apparatus, a movable element for controlling said current, means for operating and controlling the position of said element, said means including a housing, a diaphragm extending across said housing, a rod connected at one end to said diaphragm, a chamber being formed between the said diaphragm and a wall of said housing, a vacuum pump, a pipe connecting the said pump with the said chamber, a flexible tube adapted to extend from said chamber to the place of work, and valve mechanism connected to the end of the tube opposite the portion connected to said chamber for varying the amount of vacuum created in said chamber by the said pump.

2,384,619

SOLID SOLUTION OF VINYL AROMATIC POLYMER AND HYDROGENATED VINYL AROMATIC POLYMER

Harold P. Heller, Palmyra, N. J., assignor to Radio Corporation of America, a corporation of Delaware

No Drawing. Application July 22, 1943,

Serial No. 495,769

10 Claims. (Cl. 260-42)

1. A composition of matter comprising a solid solution of a resinous polymer of a vinyl aromatic compound and a hydrogenated resinous polymer of a vinyl aromatic compound.

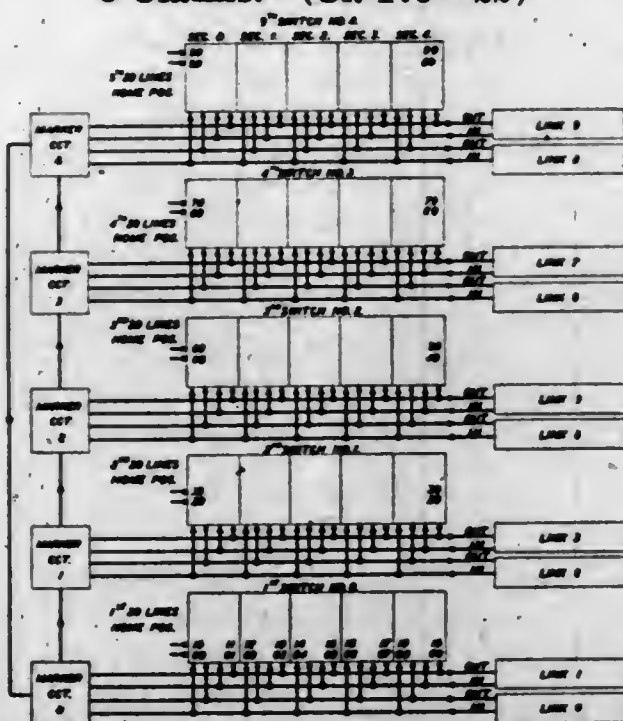
2,384,620

TELEPHONE SYSTEM

Ralph E. Hersey, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 9, 1944, Serial No. 562,599

5 Claims. (Cl. 179-22)



1. In a telephone system, a plurality of cross bar switches, links individual to each switch, each link having an outgoing and an incoming branch, groups of subscribers' lines multiplied to all the switches, a marker circuit for each switch, each marker circuit arranged to serve an individual group of lines when calling and being responsive to a call from any one of said lines for actuating the associated switch to connect the calling line with the outgoing branch of an idle link individual to said switch and thereafter releasing for service with other lines when calling, means responsive to dial pulses received from said calling line for actuating said switch to connect any called line in any group to the incoming branch of said link, means thereafter responsive in said link for ringing the called line and for disconnecting the ringing when the called subscriber answers.

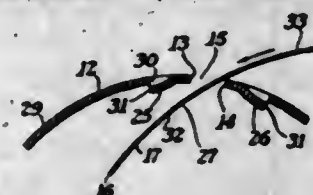
2,384,621

FILM REEL

Joseph Isaac, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application March 10, 1944, Serial No. 525,867

6 Claims. (Cl. 242-74)



6. A film reel adapted to receive a strip of perforated film comprising, in combination, a tu-

bular hub, flanges secured to the ends of said hub, said hub being formed with a transversely extending slot through which an end of said film may be inserted, film engaging lugs extending inwardly from said hub and spaced from the edge of said slot adjacent said lugs, said lugs being adapted to engage in perforations formed in said end to secure the latter to said hub, the other edge of said slot forming a fulcrum about which said film will pivot when wound on said hub to automatically move said end toward said lugs so that the latter may engage in said perforations, and said first edge forming a separate fulcrum about which said film may pivot when unwound from said hub to automatically disengage said perforations from said lugs to release said end from said hub.

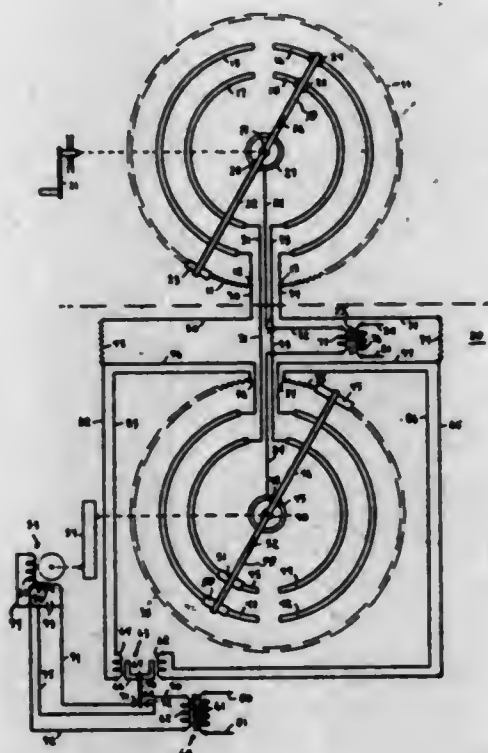
2,384,622

CONTROL SYSTEM

Siegfried G. Isserstedt, Toronto, Ontario, Canada, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application March 26, 1943, Serial No. 480,667

13 Claims. (Cl. 172-239)



9. A normally balanced electrical network, comprising in combination, control means for producing in said network an unbalance effect variable within predetermined limits, means responsive to said unbalance effect for rebalancing said network, and means effective upon operation of said control means so as to produce a first unbalance effect greater than a predetermined value for shunting a part of said network so as to produce therein a second unbalance effect opposite to and greater than said first effect.

10. A normally balanced electrical network, comprising in combination, variable control impedance means for unbalancing said network, variable follow-up impedance means for rebalancing said network, means responsive to unbalance of said network for operating said follow-up impedance, variable compensating impedance means normally disconnected from said network, means effective in response to a predetermined degree of unbalance of said network for connecting said compensating impedance means in parallel with a portion of said network, and means for varying said compensating impedance means in accordance with the amount of unbalance in excess of said predetermined degree.

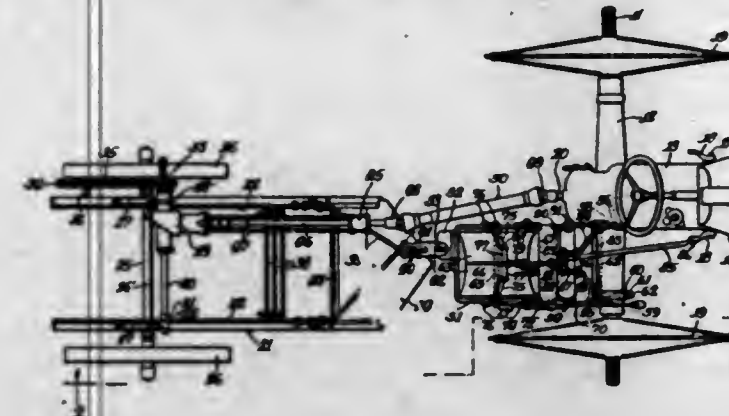
2,384,623

POWER LIFT AND POWER-DRIVEN IMPLEMENT

Leon V. Kingsbury, South Bend, Ind., assignor to The Oliver Corporation, a corporation of Delaware

Application March 8, 1943, Serial No. 478,446

12 Claims. (Cl. 55-51)



1. The combination with a tractor and a wheel supported agricultural implement connected therewith, a forecarriage frame for supporting the forward end of said implement and forming the draft connection between said implement and tractor, means for pivotally connecting said implement to said frame for vertical and lateral movement with respect to said tractor, an adjustable gauge wheel carried by said forecarriage frame for gauging the forward end of said implement with respect to the ground, and a power lift mechanism mounted on said tractor and operatively connected to said forecarriage for raising and lowering the forward end of said implement.

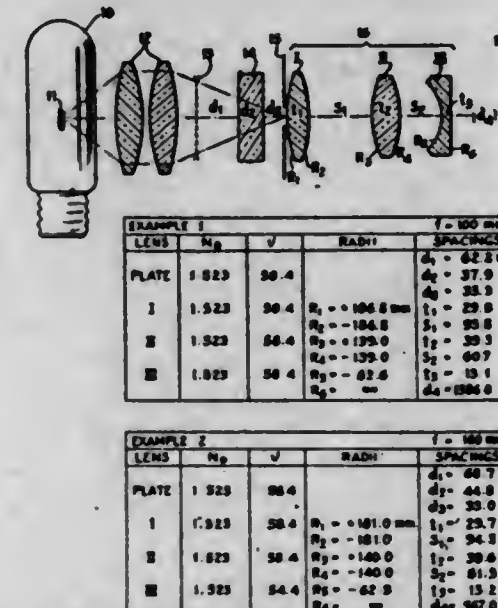
2,384,624

PROJECTION SYSTEM

Rudolf Kingslake and Max Reiss, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application May 23, 1942, Serial No. 444,172

4 Claims. (Cl. 88-24)



1. A wide angle lens consisting of three air spaced components each with an axial thickness less than its diameter at least two of which are simple elements, the center component being bi-convex positive, the component on the short conjugate side being positive and separated from the center component by more than $.5F$ where F is the focal length of the lens and the one on long conjugate side being negative and separated from the center component by a distance between $.1F$ and F , and less than the separation of the positive components, the effective pupil of the lens being between the center component and the short conjugate focus.

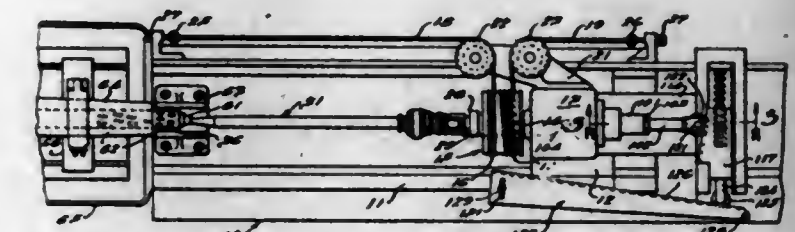
2,384,625

MEANS FOR GENERATING HELICES OF VARYING DEPTH

John E. Kline, Grosse Point Farms, Mich., assignor to Micromatic Hone Corporation, Detroit, Mich., a corporation of Michigan

Application October 2, 1942, Serial No. 460,480

10 Claims. (Cl. 51-59)



6. The combination of a honing tool having a plurality of annularly disposed helically positioned radially movable abrasive stones, means for reciprocating said tool, means for oscillatively rotating said tool in timed relation with its reciprocation, and means for progressively moving said abrasive stones toward and from the axis of the tool in timed relation to its directions of movement in reciprocation; said last means embodying an axially shiftable adjusting element carried by said tool which is continuously shifted by said moving means during the tool's movement in reciprocation.

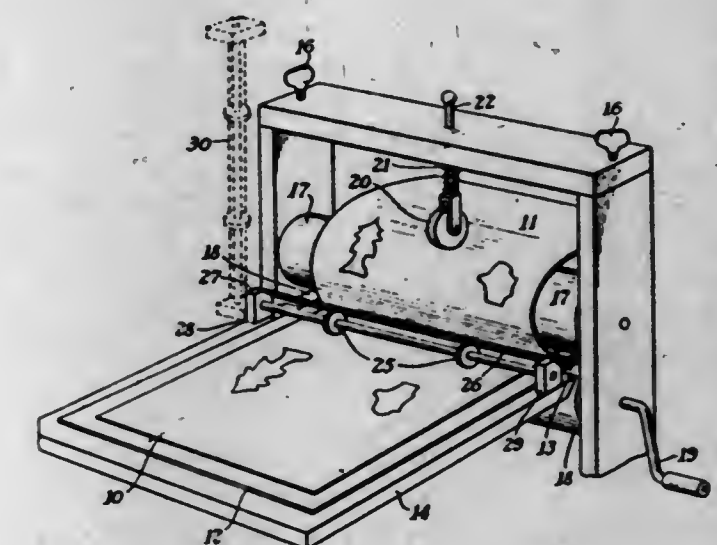
2,384,626

MATRIX GUIDE

George J. Koch and Roger P. Leavitt, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application July 8, 1944, Serial No. 544,078

4 Claims. (Cl. 101-130)

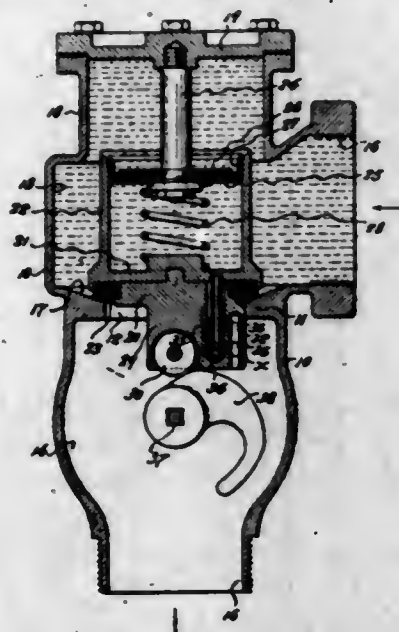


1. A duplex printing device for use in a process in which printing medium is transferred to both sides of a sheet simultaneously from two flexible matrices fastened together at the lead edge, comprising a pair of pressure rollers resiliently urged toward each other, means for driving the rollers in opposite directions for sandwiching the sheet between the matrices, a table to support the lower matrix as the lead edge is fed between the rollers, means for holding the upper matrix out of contact with the lower one except as they reach the pressure rollers and two guides above the table and at fixed separation between which said sheet is loosely fed to the matrix sandwich for insuring against contact between the sheet and either matrix prior to reaching the pressure rollers.

2,384,627

SELF-CLOSING AND SLOW-CLOSING VALVE
Howard C. Krone, River Edge, and William Meyer,
East Orange, N. J., assignors to Wheaton Brass
Works, Newark, N. J., a corporation of New
Jersey

Application May 12, 1943, Serial No. 486,648.
3 Claims. (Cl. 251-132)



1. A valve of the kind described comprising a casing formed to provide intake and outlet chambers between which is a valve seat defining a valve port, a valve body cooperative with said valve seat and axially aligned with said valve port for movement toward and from the same within the casing intake chamber, an outwardly open dash-pot cylinder carried on the intake chamber facing side of said valve body so as to be movable therewith, a stationary plunger supported by the valve casing in aligned opposition to said dash-pot cylinder and entered in the outwardly open end portion thereof, a compression spring mounted between said plunger and the closed end of said dash-pot cylinder operative to move the latter and said valve body to valve port closing position, a thrust stud axially dependent from the outlet chamber facing side of said valve body, cam means cooperative with said thrust stud and operable from the exterior of said valve casing for manually moving the valve body to valve port opening position, guide ribs radial to said thrust stud and slidably engaging the valve port periphery, and a single valveless liquid ingress and egress means extending from said dash-pot cylinder interior through one of said guide ribs for communication with the valve casing outlet chamber.

2,384,628

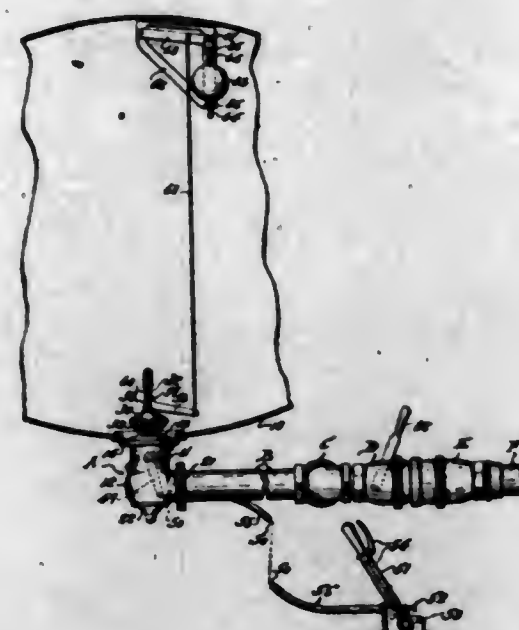
TANK TRUCK BOTTOM LOADING AND DISCHARGE MEANS

Howard C. Krone, Ridgewood, and William Meyer,
East Orange, N. J., assignors to Wheaton Brass
Works, Newark, N. J., a corporation of New
Jersey

Application June 6, 1944, Serial No. 538,950
12 Claims. (Cl. 137-68)

1. Bottom loading and discharge means for tank trucks comprising emergency valve means communicating with the bottom interior of the truck tank, a conduit system communicating with the exterior portion of said emergency valve means, a manually operable intake and discharge valve at the terminal end of said conduit system adapted to receive coupled connection therewith of a separable liquid conveying means, means for manually opening said emergency valve means, said emergency valve means having self-contained, detent means for holding the same open

when moved to fully open condition, and liquid level actuated means within the truck tank for automatically releasing said detent means to



close said emergency valve when liquid loaded into the tank therethrough reaches a predetermined level.

2,384,629

PROCESS OF MAKING A BLEACHING AGENT
Karl E. E. Laue, Syracuse, N. Y., assignor to The
Solvay Process Company, New York, N. Y., a
corporation of New York

No Drawing. Application May 17, 1939,
Serial No. 274,104

4 Claims. (Cl. 23-86)

1. The process for the production of a soluble, stable, solid chlorine bleach which comprises reacting chlorine and lithium hydroxide in the presence of sufficient water to dissolve the lithium chloride and substantially chemically equivalent amount of lithium hypochlorite formed by the reaction of said chlorine and lithium hydroxide, crystallizing at a temperature below 55° C. said lithium hypochlorite as solid from solution in said water of a concentration of at least 20% lithium hypochlorite while maintaining in the solution sufficient water to retain lithium chloride in solution and separating from the crystallized lithium hypochlorite mother liquor containing dissolved lithium chloride in amount such that the mixture of solid crystals and residual mother liquor left therewith contains a substantially higher ratio of lithium hypochlorite to lithium chloride than the 1 to 1 mol ratio of these salts which is formed by the reaction of said chlorine and lithium hydroxide.

2,384,630

ISOMERIZATION OF UNSATURATED NITRILES

John E. Mahan, Bartlesville, Okla., assignor to
Phillips Petroleum Company, a corporation of
Delaware

No Drawing. Application May 13, 1944,
Serial No. 535,546

7 Claims. (Cl. 260-464)

1. A process for the isomerization of a 2-alkenyl cyanide to a 1-alkenyl cyanide which comprises contacting the 2-alkenyl cyanide in the vapor phase with a solid catalyst comprising a substance selected from the group consisting of alkali and alkaline-earth metal cyanides at a temperature within the range of approximately 400° to approximately 1000° F.

2,384,631

RADIO ANTENNA FOR AUTOMOBILES AND THE LIKE

Arthur T. Mace, East Cleveland, Ohio, assignor to
The Radiart Corporation, Cleveland, Ohio, a
corporation of Ohio

Application January 24, 1944, Serial No. 519,432
8 Claims. (Cl. 250-33)



1. In an antenna of the character described, a tubular housing having, a gear box mounted on said housing, an antenna rod comprising a plurality of telescoped sections of varying diameter normally disposed in said housing, power driven rolls in said gear box, said rolls adapted by their rotation to engage said sections successively, beginning with the section of smallest diameter and ending with the section of largest diameter, and thereby extend the antenna rod, and means for driving said rolls, said means comprising gears rigidly attached to said rolls at one side of said rolls, a pinion for driving one of said gears and the other of said gears being driven in the opposite direction by said pinion through the intermediary of a third gear.

2,384,632

MANUFACTURE OF PAPER OF GOOD WET STRENGTH

Kenneth J. MacKenzie and Robert S. Bryce,
Rochester, N. Y., assignors to Eastman Kodak
Company, Rochester, N. Y., a corporation of
New Jersey

Application December 10, 1940, Serial No. 369,430
4 Claims. (Cl. 95-8)



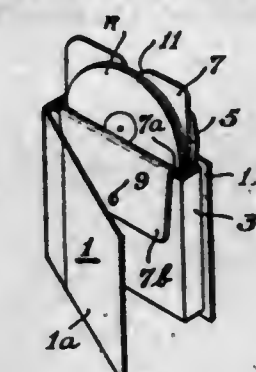
1. A photo tissue essentially consisting of an absorbent paper sheet, characterized by high wet strength and high water absorbency, having substantially uniformly distributed therein 1-10% of a stable, resinous, water-soluble polymeric reaction product of polyhydric alcohol and boric acid, and not more than 5% of a water-dispersible paper-sizing material, which paper sheet has a photo-sensitive gelatin layer thereon.

2,384,633

ARTICLE STORING ALBUM

Walter T. Markowski, Camden, N. J., assignor to
Radio Corporation of America, a corporation of
Delaware

Application October 30, 1942, Serial No. 463,869
10 Claims. (Cl. 206-62)



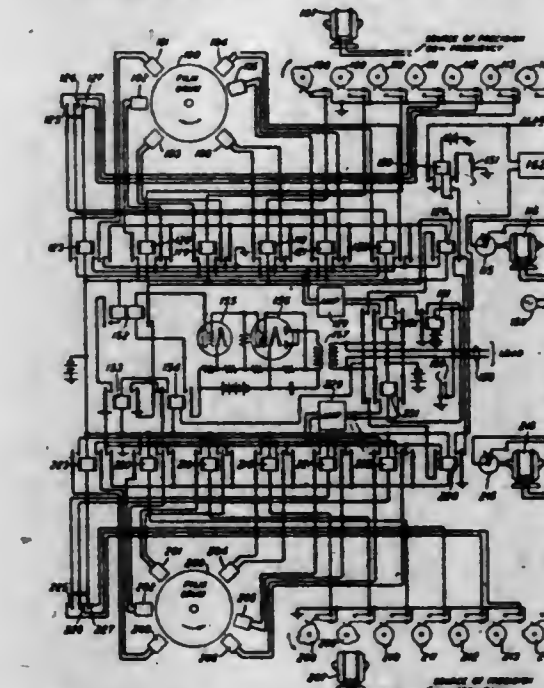
1. An article storing album comprising an outer member, an inner member constituting a hollow receptacle, said inner member and at least a part of said outer member being movable relative to each other to provide access to said receptacle, and a folder telescopically received in said receptacle, said folder being itself adapted to receive one or more of said articles between its folds and being insertable into said receptacle to substantially conceal the articles therein, said folder including a hinged portion in one of its folds adapted to be hinged over an edge of said receptacle when said folder is partly withdrawn from said receptacle whereby to at least partially expose said articles, and said outer member part being movable into position to retain said hinged folder portion in "hinged-over" relation to said receptacle whereby to temporarily retain said folder in said partly withdrawn relation to said receptacle.

2,384,634

TIME-OF-DAY ANNOUNCING SYSTEM

Robert F. Massonneau, Scarsdale, N. Y., assignor to
Bell Telephone Laboratories, Incorporated,
New York, N. Y., a corporation of New York

Application August 21, 1943, Serial No. 499,578
7 Claims. (Cl. 179-6)

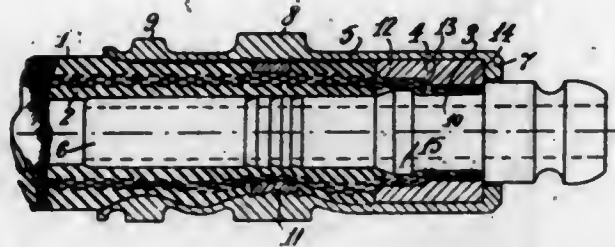


1. In a time-of-day announcing system, two identical announcing machines driven at the same speed, each machine having records of the elements of a time-of-day announcement, a plurality of reproducers cooperating respectively with said records, means for successively rendering said reproducers effective, and means under the control of said last-mentioned means for detecting faults in the operation of said machines individually or with respect to each other, and means under the control of said detecting means for sounding an alarm.

2,384,635

FLEXIBLE HOSE COUPLING

Walter Arthur Melsom, Wembley Hill, England, assignor to Bowden (Engineers) Limited, London, England, a British company
Application December 16, 1943, Serial No. 514,529
In Great Britain April 3, 1942
6 Claims. (Cl. 235-84)

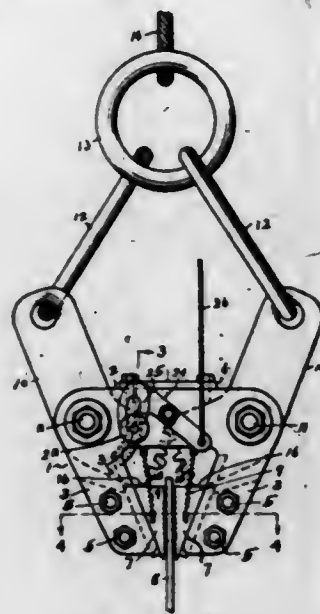


1. A hose coupling component suitable for use with medium or high pressure hose, comprising a flexible hose having tubular layers of rubber or like resilient material reinforced by at least one flexible layer of reinforcing material embedded between the layers of resilient material, a circumferentially continuous metallic sleeve and a rigid insert, wherein a ring separate from the sleeve is contracted on to an end portion of the reinforcement, which has been previously bared within and without, so as to clamp it firmly on to the insert and sliding the sleeve into a position where it surrounds the ring and also an unbared portion of the hose for contraction on to such unbared portion so as to seal it fluid tightly on to the insert, the sleeve and ring being proportioned to prevent any substantial escape between them of the rubber displaced by such last mentioned contraction suitable space being left within the sleeve to accommodate at least the bulk of such displaced material.

2,384,636

PLATE TONG

Lee Nelson, Texas City, Tex.
Application September 8, 1944, Serial No. 553,233
2 Claims. (Cl. 294-86)

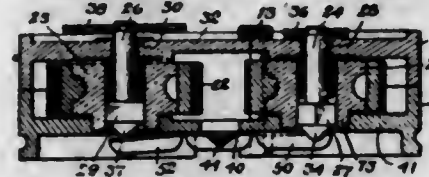


1. A lifting tong comprising a frame having end bars spaced apart and formed with bearing faces which converge toward their free ends, wedge shaped gripping jaws mounted to slide on said faces to grip a load between them, arms pivoted on the frame whose inner ends are geared together and also formed with cams which bear against the wide ends of the gripping jaws, lifting means which connect the other ends of said arms and releasable interlocking means carried by said frame and one of the jaws whereby said jaws may be locked in gripping engagement.

2,384,637

FILM MAGAZINE

Freeman H. Owens, New York, N. Y.
Original application May 19, 1944, Serial No. 536,344. Divided and this application May 19, 1944, Serial No. 536,345
17 Claims. (Cl. 242-71)

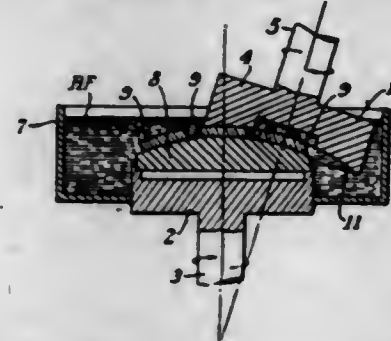


1. A film magazine comprising a casing, a film supply spool in said casing having an axially movable spindle provided at an exposed end with a drive wheel, a film take-up spool in said casing also having an axially movable spindle provided at an exposed end with a drive wheel, the said spindles being movable to move said drive wheels axially outwardly to operative positions and axially inwardly to inoperative positions.

2,384,638

METHOD OF FORMING LENS SURFACES

Harvey Larry Penberthy, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 4, 1943, Serial No. 504,897
2 Claims. (Cl. 41-42)



1. The method of forming a lens surface of desired curvature from a rough glass blank that comprises coating the surface with a resist, applying to the surface of the blank a chemical which attacks glass but does not penetrate the resist, rotating the blank in contact with a rotating non-abrasive surface having a position and shape conforming to the desired lens surface, whereby the non-abrasive surface wears away the resist from protuberances in the glass surface, thus permitting access of the chemical to the glass, and also removes the products of the action of the chemical upon the glass, and continuing the application of chemical and rotating of the said surfaces in contact until the resist is entirely removed and the glass surface has attained the desired curvature.

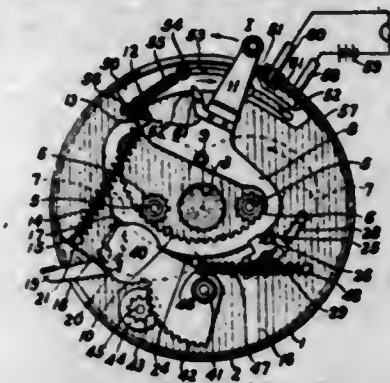
2,384,639

HIGH-SPEED SHUTTER

William A. Riddell, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 23, 1942, Serial No. 459,403
8 Claims. (Cl. 95-60)

1. In a shutter for cameras the combination with an apertured casing, of pivotally mounted shutter blades mounted in the casing and adapted to cover and uncover the exposure aperture, pinions on the shutter blades, a master member including a pivotally mounted gear segment meshing with said shutter blade pinions and having a setting handle thereon, a shock absorber in the path of the master member and positioned to be struck thereby after said master member

has moved the shutter blades to make an exposure whereby said master member and said shutter blades may be gradually brought to rest, said shock absorber comprising a friction shoe

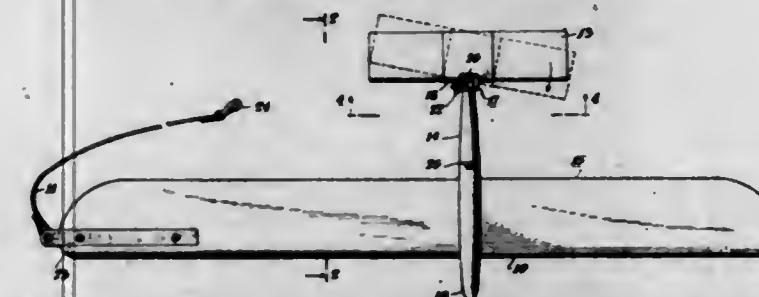


riding in an arcuate guideway adjacent the path of the master member to be engaged by said member after a predetermined travel of the master member in an exposure making direction.

2,384,640

AERODYNAMIC BRAKING DEVICE

Samuel Davis Robins, New York, N. Y.
Application May 8, 1943, Serial No. 486,123
7 Claims. (Cl. 244-138)

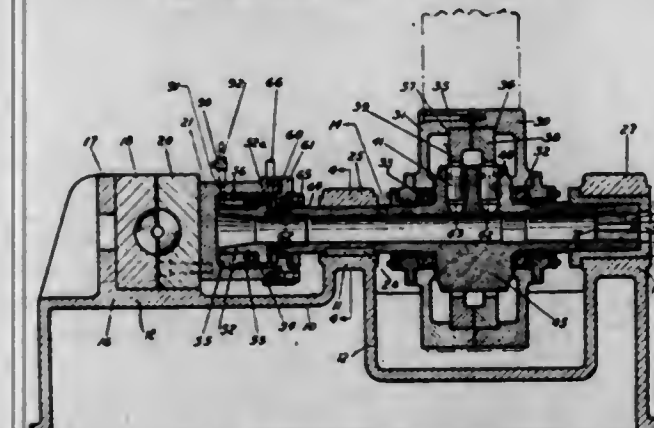


1. An aerodynamic structure for lowering a load through the air said structure comprising an elongated airfoil device and flexible means adapted to connect said airfoil device to the load to be lowered, said airfoil device having generally spanwise alignment with said flexible connecting means when lowering a load, said load and said airfoil device rotating as a unit on an axis intermediate said load and said airfoil device in load lowering operation, and said airfoil device being constructed and arranged and including means for normally maintaining it at a selected substantially constant angle-of-attack when lowering the load.

2,384,641

MECHANICAL MOVEMENT AND SWAGING MACHINE

Fredrich J. Rode, Toledo, Ohio, assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application August 1, 1942, Serial No. 453,262
10 Claims. (Cl. 78-42)



10. In a swaging machine the combination of a reciprocating hammer head adapted to be driven in a work impact direction in a highly repetitious manner, a rotary means acting upon a plurality of pistons exerting hydraulic pressure and effecting fluid displacement to thereby drive the head

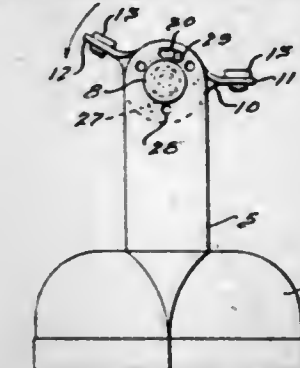
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in a work performing direction, means forming a fluid transmitting chamber interconnecting the pistons and head, pneumatically actuated means for shifting the head in a reverse direction and a hydraulic system connected to the head for receiving fluid forced out of the head by the pistons and for returning the displaced fluid to said chamber.

2,384,642

ELECTRIC IRON HANDGRIP

Thomas F. Saffady, Detroit, Mich.
Application December 6, 1943, Serial No. 513,046
3 Claims. (Cl. 38-90)

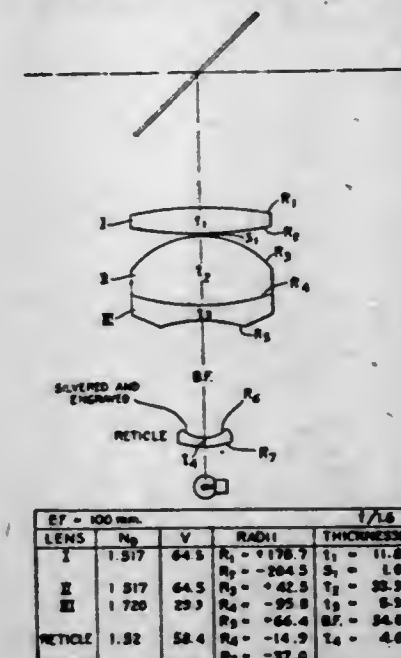


1. In an electric iron, a base, uprights fixed to the base, and a hand grip bridging the uprights and rotatably mounted on and between them, to rotate on an axis parallel to the base, means positively preventing removal of said hand grip from said uprights, and quickly manipulable means for releasably latching the hand grip against rotation with respect to the uprights, said manipulable means being quickly movable to inoperative position wherein it permits rotation of the hand grip with respect to the uprights, or into operative position wherein it prevents rotation of the hand grip with respect to the uprights.

2,384,643

OBJECTIVE FOR REFLEX SIGHT

Willy Schade, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 1, 1944, Serial No. 524,590
2 Claims. (Cl. 88-57)



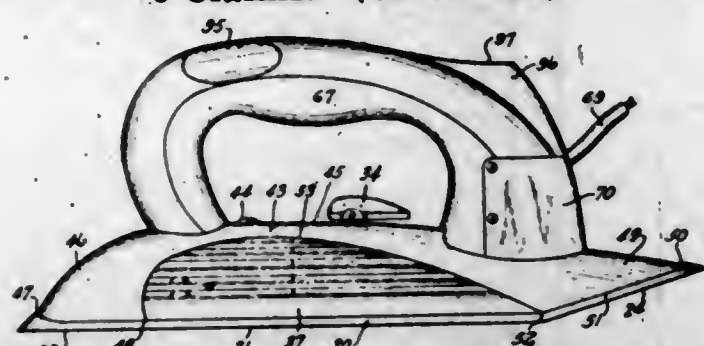
1. An objective having a relative aperture between $f/2.4$ and $f/1.2$ consisting of two coaxial components of which the rear component consists of a biconcave element cemented to the rear of a biconvex element of lower index and the front component consists of a single biconvex element, the two components being spaced apart by less than $0.4 F$ where F is the focal length of the objective, and in which the refractive indices of the two elements of the rear component differ by more than 0.06, the dispersive index

of each of the two biconvex elements is greater than 1.6 times that of the biconvex element, the front surface of the front component has a radius of curvature shorter than that of the rear surface of the same component and greater than $\frac{1}{2}$ thereof and the focal length of the front component is between 0.3 and 1.0 times that of the rear component.

2,384,644

PRESSING IRON

Edward P. Schreyer, Milwaukee, Wis.
Application May 8, 1941, Serial No. 392,501
6 Claims. (Cl. 38-89)



1. In an iron having a handle, a sole plate, a heating element supported on said sole plate, a hollow convex shell forming a cover for the sole plate and heating element supported on the sole plate and having a central upper portion spaced above the heating element and sole plate, said shell having an integral nose portion which curves forwardly and downwardly at the front and forward side portions of the iron and having an integral rear portion which curves rearwardly and downwardly forming a closed front and rear for the iron, said shell having oppositely disposed longitudinally extending side openings which extend from the closed rear portion to the closed front portion of the shell to provide for transverse circulation of air through an intermediate portion of the length of the shell, and a cooling fin extending longitudinally adjacent at least one of said side openings and projecting laterally therefrom beyond the side edges of the sole plate and in a plane spaced above the sole plate, all portions of the fin being below the top of the central upper portion of the shell whereby air may circulate transversely beneath said fin and through the shell, the laterally projecting edge of said fin being formed to cooperate with the handle when the iron is idle to form a heat insulating side support.

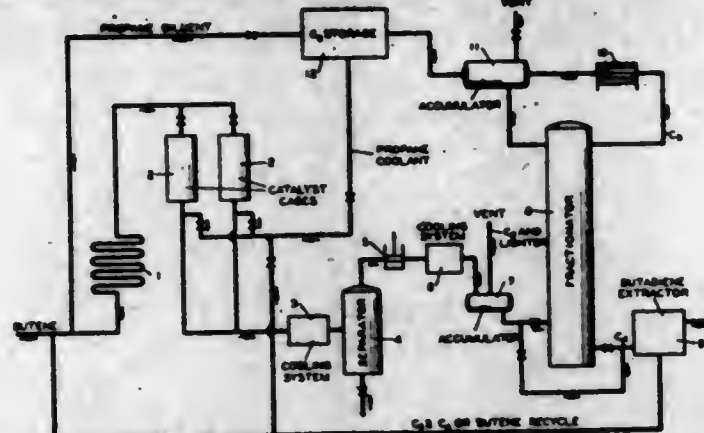
2,384,645

PROCESS FOR DEHYDROGENATING HYDROCARBONS

Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 24, 1940, Serial No. 354,085
6 Claims. (Cl. 260-680)

1. A process for the production of butadiene which comprises catalytically dehydrogenating butenes admixed with C_3 hydrocarbons to produce a partial pressure of butenes below 0.5 atmosphere at temperatures between 1000 and 1300° F. so that a considerable proportion of the butenes is converted to butadiene, injecting into the effluent vapors adjacent the point of exit from the catalyst space sufficient recycle liquid comprising C_3 and C_4 hydrocarbons to reduce the temperature thereof below the range of rapid diolefin polymerization, compressing and condensing the effluents with separation of light gases lower-boiling than C_3 hydrocarbons therefrom, processing the cooled condensate to remove butadiene and

recycling the substantially diolefin-free liquid by a divided stream partly to the fresh feed stream

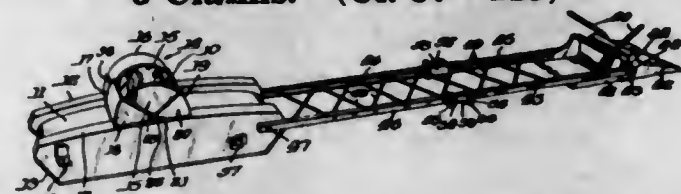


ahead of the catalyst and partly to the point of injection into the effluents from the catalyst.

2,384,646

COMBINATION COMBAT AND CONSTRUCTION VEHICLE

Martin C. Schwab, Chicago, Ill.
Application February 23, 1942, Serial No. 431,923
3 Claims. (Cl. 37-118)

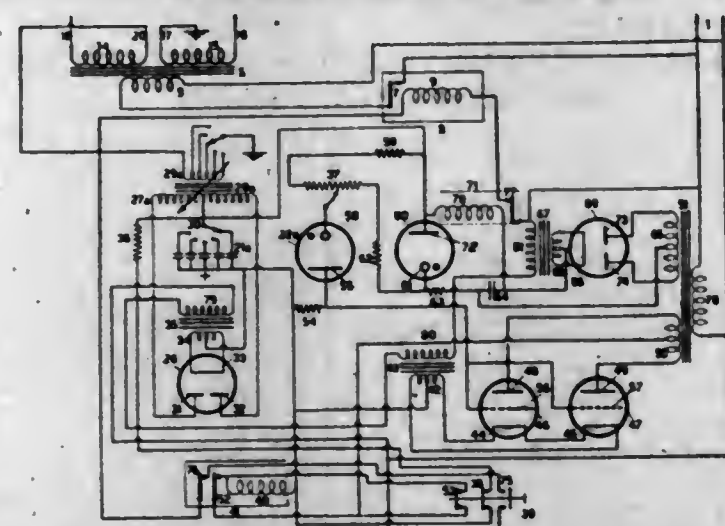


1. In a vehicle of the kind described and in combination, a body mounted to travel forwardly or rearwardly and having a turret thereon arranged more or less centrally between the ends thereof, a scraper and means for detachably hitching the same to the body at each side adjacent one end thereof, said means for hitching the scraper to the body consisting of a pair of spaced foldable bars provided with means for securing one end of each bar to opposite sides of the body and for detachably securing the opposite end of the bar to the scraper, said bars capable of being folded together and swung along the sides of the body, and brackets carried by the sides of the body for supporting the jointed ends of the bars, said scraper substantially corresponding in contour and of a size to substantially overlie and fit the body between one end thereof and the turret.

2,384,647

X-RAY TIMER

Myron M. Schwarzschild, Brooklyn, N. Y.
Application January 30, 1943, Serial No. 474,119
8 Claims. (Cl. 250-95)

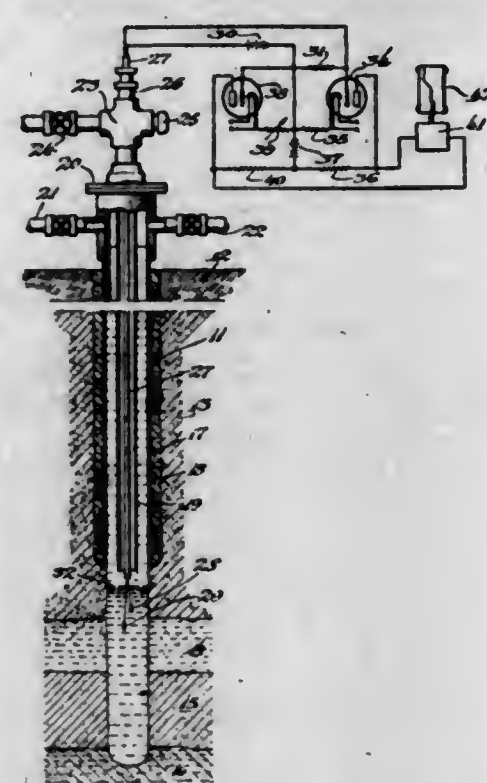


1. Apparatus for timing X-ray exposures in conjunction with an X-ray tube and a high-tension transformer comprising a low-tension transformer, one winding thereof being connected in the secondary circuit of the high-tension transformer, a rectifier, a condenser, said condenser being fed by the other winding of said low-tension

sion transformer through said rectifier, a control tube responding to the voltage of said condenser, and means by which said control tube operates to terminate the X-ray exposure when a predetermined selected amount of electric charge has traversed the X-ray tube.

2,384,648

LOCATING BOTTOM OF OIL PRODUCTION
Daniel Silverman, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application January 14, 1942, Serial No. 426,714
5 Claims. (Cl. 175-182)



1. A method of determining the lowest region of entry of a relatively non-conducting liquid less dense than water into a well, comprising stopping the flow of well fluids including salt water into said well, displacing said well fluids in said well to a point above said region of entry by a conditioning liquid which is immiscible with water and miscible with said relatively non-conducting liquid, and an electrical characteristic of which is markedly different from that of salt water, the density of said conditioning liquid exceeding that of the salt water in the well, and the density of said conditioning liquid when sufficiently diluted with said relatively non-conducting liquid being less than that of said salt water, causing the flow of well fluids into said well for such time that a portion of said conditioning liquid will be diluted with said relatively non-conducting liquid and will have a density less than that of said salt water, again stopping the flow of said well fluids into said well to establish a substantial period of quiescence sufficient to permit replacement of diluted conditioning liquid by salt water from said well fluids, whereby an interface is formed between said salt water and the undiluted portion of said conditioning liquid, and measuring after said period of quiescence the electrical characteristic of the liquid materials in said well as a function of depth.

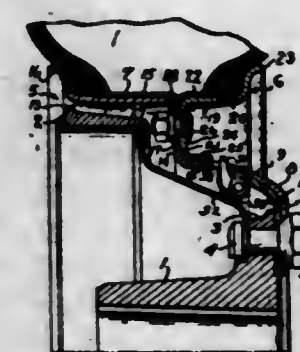
2,384,649

WHEEL

Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application December 19, 1941, Serial No. 423,637
5 Claims. (Cl. 301-63)

1. In a wheel, an element having an annular tire engaging portion, an attachment portion, and

a wheel body portion, a second element having an annular tire engaging portion and an attachment portion and cooperating with said first mentioned element to form a tire carrying rim, means engaging said attachment portions for securing said elements together, and safety catch means spaced from said second element when the latter is se-

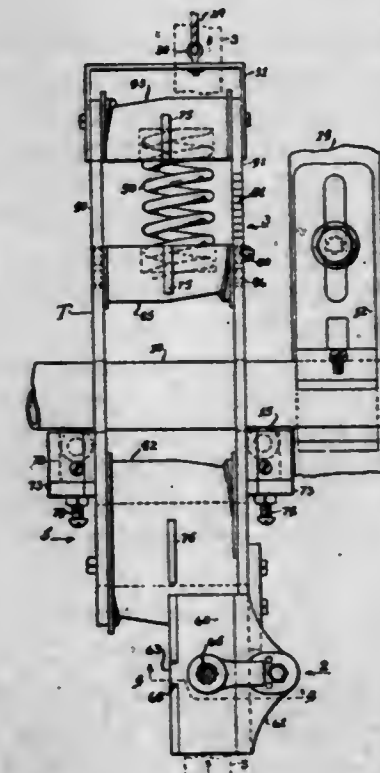


cured in operative relation to said first mentioned element and positioned to engage said second element and limit movement thereof from said first mentioned element upon release of said securing means, said safety catch means being tiltable to a position to clear said second element thereby allowing complete separation of said elements upon release of said securing means.

2,384,650

TENSION DEVICE

Walter O. Sjogren, Worcester, Mass.
Application January 29, 1945, Serial No. 575,009
15 Claims. (Cl. 242-75)



7. A device for tensioning strip material which comprises first and second tension members about each of which said strip material is drawn, each of said members having adjacent cylindrical and frusto-conical surface portions with which the strip material engages, one of said members being unitary and the other member comprising two parts normally spaced substantially apart and with one part movably mounted, a heavy compression spring interposed between said separable parts and yieldingly forcing said parts away from each other, means to limit the separation, means to apply friction to said strip material as it approaches the first tension member, and means to indicate the compression of said spring.

2,384,651

DUAL RELEASE MECHANISM

Floyd Smith, Manchester, Conn., assignor to Pioneer Parachute Company, Inc., Manchester, Conn., a corporation of Connecticut
Application August 12, 1943, Serial No. 498,392
2 Claims. (Cl. 244-149)

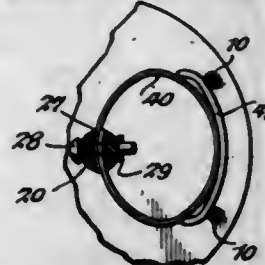


1. In a parachute pack having a cover with overlapping flaps, and cooperating locking cones and grommets for holding said flaps closed about a parachute, dual release mechanism for releasing said grommets from the locking cones including a cable having locking pins carried thereby and projecting through openings in the locking cones and a second cable having a loop thereon extending about one of the locking pins between its associated locking cone and the cable and movable to withdraw all of said locking pins from said cones to release said grommets and permit said flaps to be opened.

2,384,652

ROTARY ELECTRIC SWITCH

Hurley Smith, Buffalo, N. Y., assignor to Erie Electric Company, Inc., Buffalo, N. Y.
Application July 21, 1943, Serial No. 495,551
9 Claims. (Cl. 200-6)

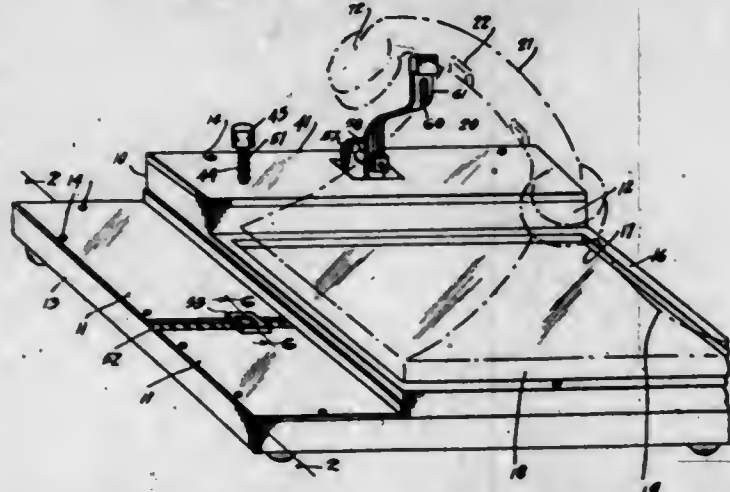


1. A rotary electric switch comprising a plurality of stationary contact members arranged about an axis, a shaft rotatable about an axis substantially coinciding with said first mentioned axis, and a movable contact member secured to said shaft and including a loop of resilient material having one portion thereof secured to said shaft for holding said material in loop form and yieldingly urging another portion thereof by its own resilience toward a pair of said stationary contact members, to form an electrical connection between said stationary members, said loop exerting pressure against said stationary contact members, and being deflected upon turning said shaft to move said loop from one pair of contacts to another.

2,384,653

INDICATING DEVICE

Mark C. Smith, Chicago, Ill.
Application December 13, 1943, Serial No. 514,079
3 Claims. (Cl. 179-11)



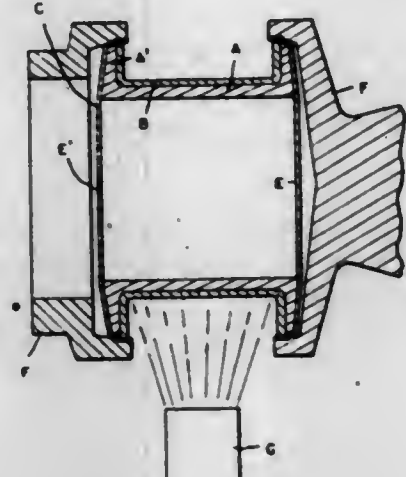
1. An indicating device for a telephone having a receiver, comprising a housing providing a

seat for the cradle of said telephone; a vertically movable member carried by said housing and movable in one direction by the weight of the receiver thereon, a ratchet bar mounted for longitudinal movement in said housing, means providing connection between said vertically movable member and said ratchet bar, means for moving said vertically movable member in an opposite direction when the weight of the receiver is removed therefrom, a spiral member within said housing and having indicating indicia thereon, means providing a connection between the spiral member and said ratchet bar whereby said spiral member will be moved step by step upon movement of said ratchet bar, and a window movably supported by the housing and having means engaging with the spiral member for movement by the latter, the indicating indicia on said spiral member being adapted to be exposed successively through said window.

2,384,654

PROCESS OF FABRICATING BABBITT LINED BEARINGS

Salem A. Smith, Greenville, Mich., assignor to Federal-Mogul Corporation, Detroit, Mich., a corporation of Michigan
Application July 13, 1942, Serial No. 450,733
3 Claims. (Cl. 29-149.5)

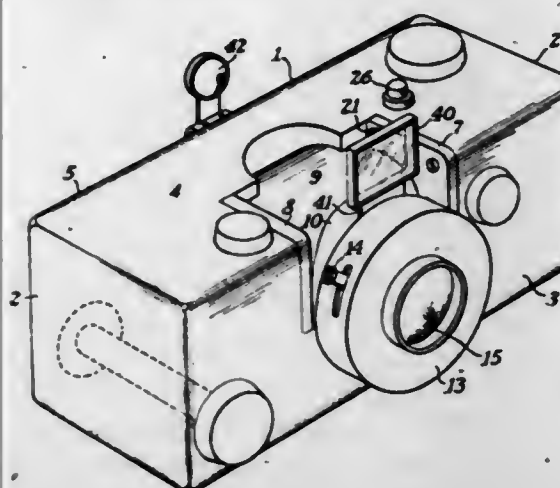


1. The method of lining a bearing shell with a coating of selected bearing material, which consists in first positioning therewithin a predetermined quantity of non-compacted pulverized bearing-forming material and then positioning temporary end-closure members over the ends of said shell, then rotating said shell to effect the spinning of its included pulverized material over the interior surface of the shell and the diffused adherence to one another of the constituent particles of the introduced bearing-forming material, while contemporaneously subjecting the shell to heating action until a constituent metal has attained a dull-red degree of heat though distinctly below the melting point of the introduced pulverized material; then terminating the heating action while continuing the shell's rotative movement in a reducing atmosphere until said shell's temperature has returned to its initial normal degree, then removing the temporary end closure pieces and again subjecting the shell and its then adherent lining to further sintering action in a reducing atmosphere within a temperature range of 1100° to 1700° Fahrenheit rolling the then adherent bearing lining to desired hardness, again subjecting the shell to sintering action in a reducing atmosphere, and thereafter subjecting the interior bearing surface thereof to a machine-effected finishing operation.

2,384,655

TWO-FILM CAMERA

Donald H. Stewart, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 26, 1944, Serial No. 519,787
13 Claims. (Cl. 95-31)

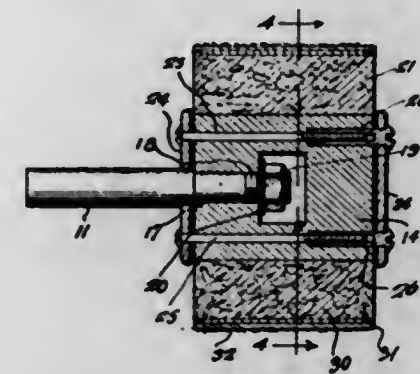


1. In a photographic camera of the type including a camera body, two exposure frames carried by the camera body, one arranged at an angle to the other, the combination with said exposure frames, of an objective, a cylindrical carrier for the objective supporting the objective on one side of the cylinder and including a window on the opposite side of the cylinder, means for moveably mounting the cylinder on the camera body to turn thereon for positioning the objective so that the lens axis passes through said window and either of the two exposure frames, said cylinder masking the opposite exposure frame from light from the objective.

2,384,656

SANDING DEVICE

George W. Thomas, Athens, Ga.
Application March 21, 1945, Serial No. 583,941
1 Claim. (Cl. 51-190)

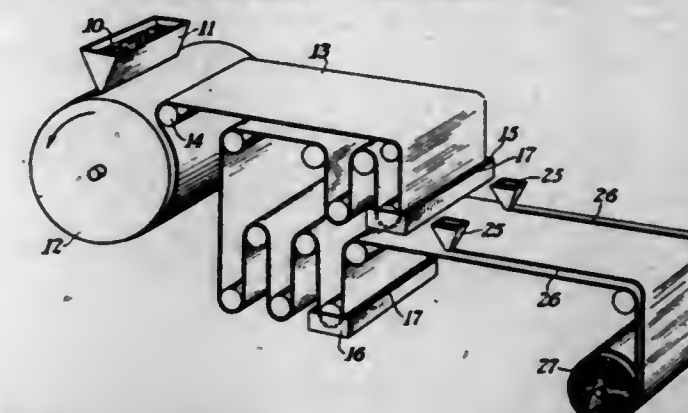


In a device of the character described, in combination, a cylindrical core having a centrally disposed bore therein opening into a recess, said core also having a plurality of additional bores spaced from said central bore extending therethrough, a shank extending through said first-mentioned bore and having a threaded extremity extending into said recess, a nut engaging said extremity, a sleeve of relatively soft material surrounding said core, a sheet of cardboard surrounding said core, a sheet of abrasive material positioned about said cardboard, cover plates overlying said core at its extremities, clips beneath said plates to hold said sleeve in related assembly, one of said plates having an aperture therethrough to accommodate said shank, both of said plates having spaced peripheral apertures therein in alignment with said second-mentioned bores in said core, and bolts passed into said last-mentioned apertures and bores to hold said plates, core and sleeve in related assembly.

2,384,657

METHOD OF MAKING PHOTOGRAPHIC FILMS

Rayen W. Tyler, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 12, 1942, Serial No. 430,650
10 Claims. (Cl. 117-4)



10. The method of manufacturing photographic film substantially free of static which comprises placing an electrically conducting border along at least one selvage of a roll of film base, then coating and drying a photosensitive layer onto at least one surface of the base and then trimming off the conducting selvages.

2,384,658

COLOR PHOTOGRAPHY

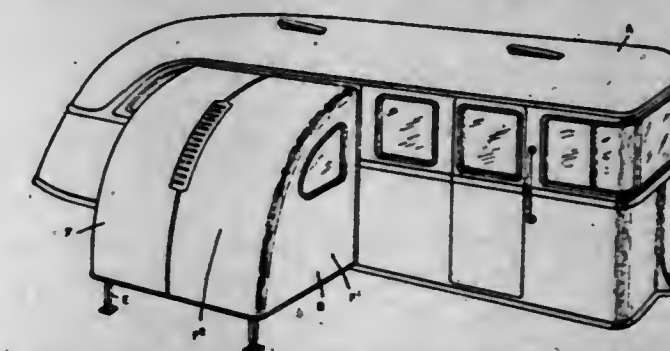
Paul W. Vittum, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application July 10, 1943, Serial No. 494,241
7 Claims. (Cl. 95-88)

1. The method of preventing the discoloration of photographic layers containing dye images selected from the class consisting of indophenol, indamine, and azomethine dyes, which comprises forming said dye image in said layer by development of an exposed silver halide with a primary aromatic amino developing agent in the presence of a coupler compound, removing the silver images thus formed, together with the residual silver halide, and thereafter treating said layer with a solution of an organic reducing agent containing at least two groups selected from the class consisting of hydroxyl, amino, and substituted amino groups.

2,384,659

TRAILER

Clyde F. Wait, Flint, Mich., assignor to Palace Corporation, Flint, Mich., a corporation of Michigan
Application December 13, 1943, Serial No. 514,126
2 Claims. (Cl. 296-26)



1. The combination with an enclosed trailer of a movable section in a side wall thereof hinged at its lower end to swing down into alignment with the trailer floor, and a hood in the form of a rigid quadrant permanently secured to the inner face of said movable section at top and sides thereof and forming in the downturn position

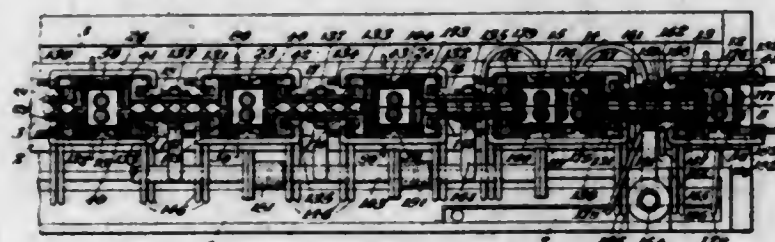
of the latter an enclosure having parallel end walls and an arcuate side and top wall said quadrant being stored within said trailer in the up position of said section and fitting the side and top of the opening in the side wall when said movable section is turned down.

2,384,660

APPARATUS FOR ELECTROLYTIC GALVANIZING OF SHEETS

Clemson H. Ward, Baltimore, Md., assignor to Bethlehem Steel Company, a corporation of Pennsylvania

Application March 11, 1940, Serial No. 323,300
40 Claims. (Cl. 204-206)



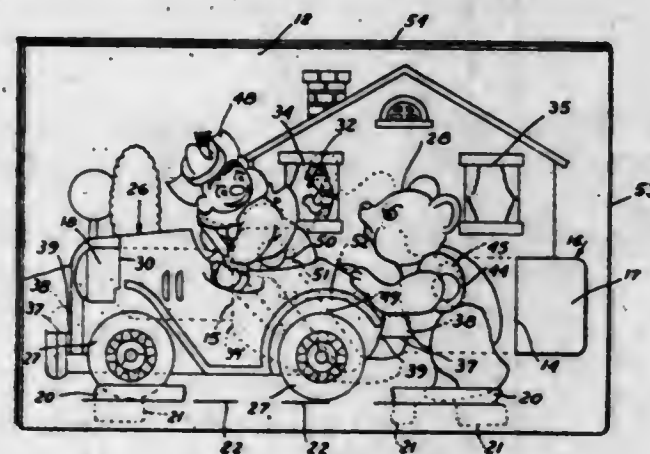
1. An electrolytic apparatus for continuously treating sheets, comprising a plurality of plating cells and roll housing boxes containing an electrolyte arranged in longitudinal alignment in alternate relation to each other, an insulating panel between each plating cell and roll housing box each having a vertical central slot forming restricted passageways between the plating cells and the roll housing boxes through which the sheet can pass, means for securing each of the roll housing boxes to the adjacent ends of a pair of plating cells, a pair of contact rolls in each of the roll housing boxes adapted to engage the opposite sides of the sheet, liquid seals at the inlet and outlet ends of the apparatus, and means for rotating the pairs of contact rolls to advance the sheet submerged in the electrolyte through the plating cells and roll housing boxes.

2,384,661

ANIMATED ILLUSTRATION

Julian R. Wehr, Roxbury, Vt.

Application May 30, 1945, Serial No. 596,661
13 Claims. (Cl. 46-36)



1. In an animated illustration, an illustrated front sheet having a pair of spaced openings, a back sheet having its end portions passing through said spaced openings and overlying said front sheet for moving longitudinally, a traction strip mounted on the front of said front sheet and extending parallel to the longitudinal axis of said back sheet, and an illustrated piece on said front sheet and having rotative or pivotal members engaging said traction strip and being connected with one of said overlying end portions.

2,384,662

ANIMATED ILLUSTRATION

Julian R. Wehr, Roxbury, Vt.

Application May 30, 1945, Serial No. 596,662
7 Claims. (Cl. 46-36)



1. In an animated illustration, an illustrated front sheet having a pair of spaced openings, a back sheet having its end portions passing through said openings and overlying said front sheet, and an illustrated piece on said front sheet and pivotally connected with one of said end portions and having a projecting portion engaging through another opening in said front sheet.

2,384,663

METHOD OF PREVENTING AERIAL OXIDATION AND COLOR STAIN

Arnold Weissberger and Paul W. Vittum, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application August 21, 1943,

Serial No. 499,514

14 Claims. (Cl. 95-88)

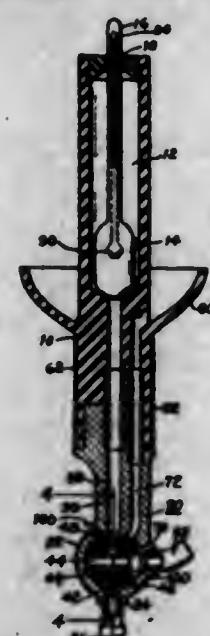
1. A photographic developing solution having a reduced tendency toward aerial oxidation, comprising a photographic developing agent and a compound soluble in said developing solution selected from the group consisting of dihydroxy tartaric acid, dinitro tartaric acid, and the salts, esters and amides of said acids.

2,384,664

HYDROMETER

Edward B. Westlake, Jr., Upper Darby, Pa.

Application December 28, 1942, Serial No. 470,421
3 Claims. (Cl. 73-33)



3. A hydrometer having a downwardly projecting hose adapted to be inserted into the intake opening of a motor vehicle radiator, said hydrometer including a main body having a compartment near the top thereof, means for drawing liquid into the compartment, said means includ-

ing a hollow compressible bulb and a pair of check valves, one of the check valves being located between the bulb and the lower end of the hose and the other check valve being located between the bulb and the compartment, said compartment having an upwardly directed opening, a cup portion surrounding the main body, said main body having a downwardly directed tubular portion provided with a pair of substantially parallel passages, said passages terminating at their lower ends in close proximity to each other, one of said passages communicating with the compartment and the other passage communicating with the cup portion surrounding the body to catch the overflow from the compartment, a bulb having a graduated stem mounted in the compartment, said stem projecting upwardly through the upwardly directed opening, a valve interconnected to the lower end of the tubular portion, said valve having a pair of passages communicating with the passages in the tubular portion, a core member mounted in the valve, said core member being provided with a pair of intersecting transversely disposed passages, the opening to one of the passages in the core being greater than the opening to the other passage in the core, so that when the passage provided with the larger opening is moved into registry with said pair of parallel passages drainage from the compartment and the cup portion is provided.

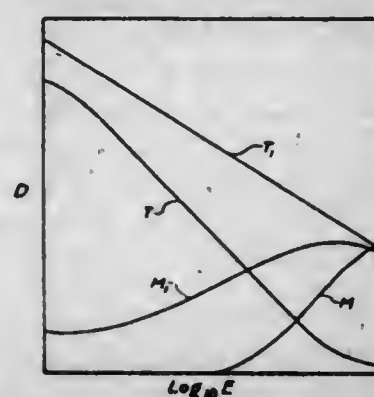
2,384,665

PHOTOGRAPHIC TONE CORRECTION MASK

Franklin C. Williams, Wesley T. Hanson, Jr., and Howard F. Ott, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application August 15, 1942, Serial No. 454,944

11 Claims. (Cl. 95-2)



1. In a process of printing a color transparency in natural colors the method of forming a photographic tone and color correction mask which comprises giving a light-sensitive emulsion layer a low energy exposure with white light through a color transparency, forming in the exposed layer a silver image of opposite sign to said color transparency, exposing a second light-sensitive emulsion layer through a combination of said color transparency and the image in said first-mentioned layer, and forming a silver image in said last-mentioned exposed layer of gamma lower than the gamma of said other image.

2,384,666

ASTRONOMICAL CAMERA

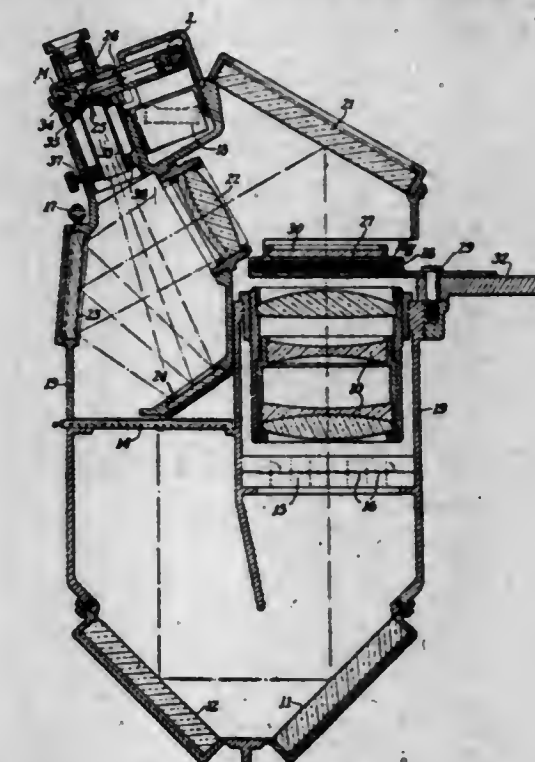
Donald L. Wood, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application December 10, 1942, Serial No. 468,513

7 Claims. (Cl. 95-18)

1. In an astronomical camera for simultaneously photographing the true zenith and the surrounding field the combination of a primary

optical system for imaging a field on a light sensitive surface, a secondary optical system for forming an image of a fiducial mark adapted to represent the zenith, means for optically combining said primary and secondary optical systems to cause the two images to fall simultaneously on the light sensitive surface in superposed relationship, and means for adjusting said fiducial



mark in the secondary optical system until it indicates the true zenith, said last mentioned means including a level reflecting member insertable into the secondary optical system for indicating when said fiducial mark is adjusted to indicate the true zenith, and means for removing said level reflecting member from said optical system prior to making an exposure.

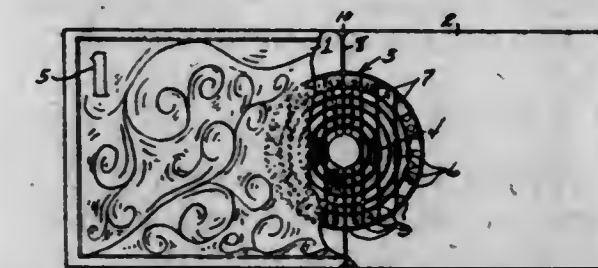
2,384,667

PAPER CURRENCY

Charles G. Dowd, Feters Hot Springs, Calif.

Application April 14, 1944, Serial No. 531,048

5 Claims. (Cl. 283-8)



3. Currency comprising sheets of thin paper adheringly secured in face to face engagement with each other, and an arrangement of metal strands disposed between said paper sheets and consisting of endless strands in concentric relation to each other and other strands crossing the endless strands and secured in conductive engagement therewith, one of the last mentioned strands having portions projecting from the endless strands and terminating in a steel ring at marginal edges of the paper sheets.

2,384,668

FRICTION LOCK FOR SCREW THREADS

Ray Ensinger and James H. Foote, Detroit, Mich., assignors to George M. Holley and Earl Holley

Application April 8, 1944, Serial No. 530,210

2 Claims. (Cl. 151-7)

1. In a casting of relatively soft metal, a fiber bushing, and L shaped locking ring having an acute angle and serrated edges and made of relatively hard metal, the cylindrical portion of the

L being embedded in the fiber, the transverse portion of the L being forced into locking engage-

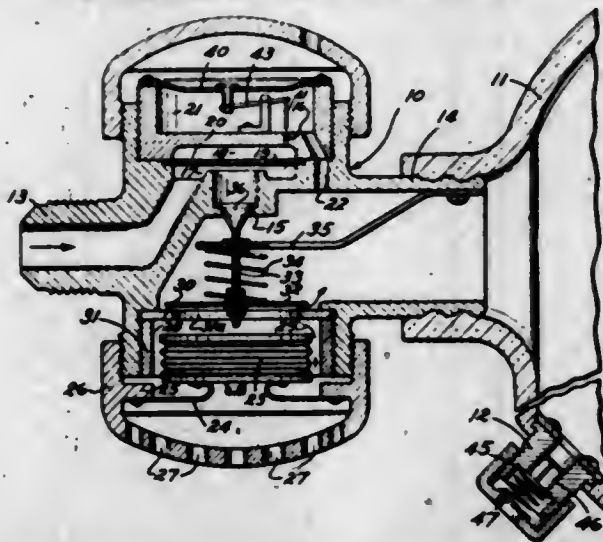


ment with the relatively soft metal by the enlargement of the acute angle of the ring.

2,384,669

OXYGEN SYSTEM

George C. Fields, Euclid, Ohio
Application July 29, 1943, Serial No. 496,535
5 Claims. (Cl. 137-153)

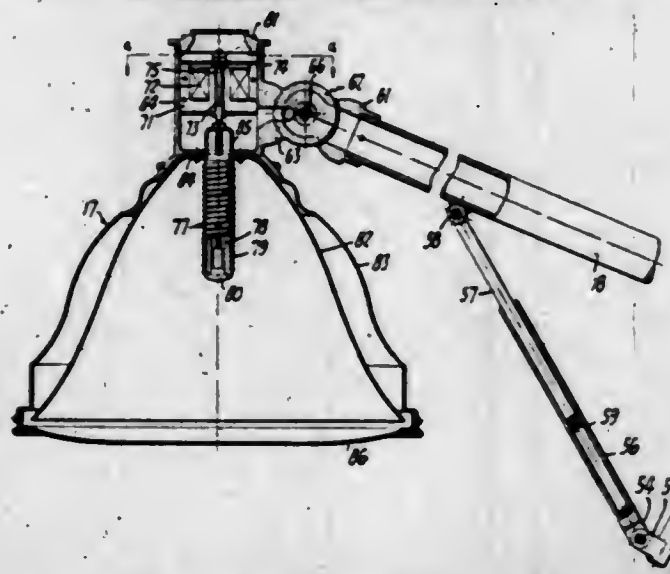


1. A regulator comprising a body having an inlet and an outlet, a main port and a pilot port between the inlet and the outlet, diaphragm means and aneroid means arranged in the path of fluid flow through said main port so as to selectively interrupt or permit flow through said port, outlet pressure responsive means to control said pilot port, said pilot port controlling said diaphragm means whereby a predetermined pressure drop at said outlet establishes a fluid flow through said pilot port effecting an opening movement of said diaphragm means with respect to said main port, and the pilot port when open by-passing the main port whereby a fluid flow is effected between the inlet and outlet regardless of the controlled condition of the main port.

2,384,670

THERAPEUTIC DEVICE

Leonard Fisher and Ralph Fisher,
San Francisco, Calif.
Application November 1, 1943, Serial No. 508,489
9 Claims. (Cl. 219-34)



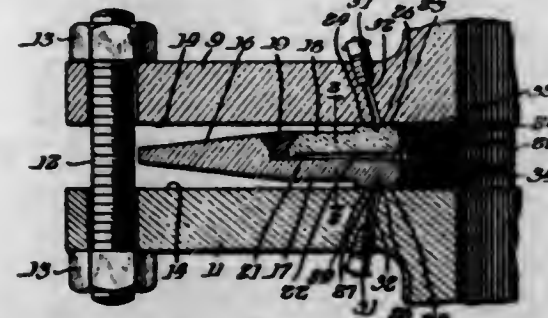
8. In a device of the character described, a reflector, a heat source cooperatively positioned with respect to said reflector to supply light and heat waves thereto for reflection, and means for vibrating only said heat source at a rate in the phonic range.

2,384,671
COATING COMPOSITIONS AND THE LIKE
Joseph E. Fratis, Berkeley, Calif., assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 24, 1943,
Serial No. 480,335
8 Claims. (Cl. 106-280)

2. An asphaltic coating composition, comprising asphalt, an intimate mixture of mica in the amount of 5 to 35 percent by weight based on the asphalt-mica mixture, and a thinner, said mica being so reduced in fineness that at least about 70 percent will pass through a 200 mesh sieve.

2,384,672
PRESSURE SEALING JOINT
Murray A. Gleeson, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application October 27, 1943, Serial No. 508,084
5 Claims. (Cl. 285-137)



1. In a pressure sealing gasket for positioning between spaced apart flanges, the gasket being annularly arranged to form a chamber in direct communication with line pressure, a thickened annular portion of the gasket on either side of the chamber being provided to form an initial annular pressure seal with the flanges, and to provide initial internal annular contact of that portion of the walls of the chamber disposed between the annular portions, the said thickened annular portion having substantially rounded contact surfaces whereby the gasket may be suitably positioned when the flanges are dished under excessively high bolt loads.

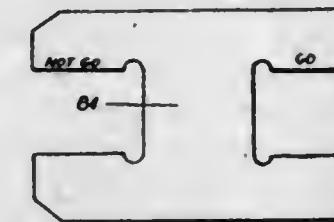
2,384,673
METHOD OF EXTRACTING GLUE AND GELATIN
Donald P. Grettie, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Original application June 16, 1939, Serial No. 279,552. Divided and this application April 26, 1943, Serial No. 484,599
7 Claims. (Cl. 260-118)

1. The method of making glue and gelatin which comprises subjecting pork skins, hide trimmings, fleshings, sinews and other animal waste to the action of an aqueous solution of a peptizing agent selected from the group consisting of urea, thiourea and formamide for sufficient time to extract the glue and gelatin.

2,384,674
METHOD OF RENOVATING WORN GAP GAUGES
Harold Stuart Hallewell, Hillingdon, England
Application February 3, 1943, Serial No. 474,605
In Great Britain October 31, 1942
3 Claims. (Cl. 29-148)

1. The method of renovating or restoring worn gap gauges which consists in clamping the jaws

of the gauge flatwise between jaws of a clamp or fixture of high conductivity metal thereby preventing the gauge from expanding in a direction transverse to the gauge surfaces, heating the



part of the gauge from which the jaws spring to a temperature high enough to soften it, then allowing it to cool and operating upon the measuring surfaces of the gauge bounding the gaps to restore the original dimensions of the gaps.

2,384,675
APPARATUS FOR MULTIPLE STAGE CEMENTING
Otto Hammer, Whittier, Calif., assignor to Security Engineering Co., Inc., Whittier, Calif., a corporation of California
Application September 28, 1942, Serial No. 459,958
8 Claims. (Cl. 166-1)

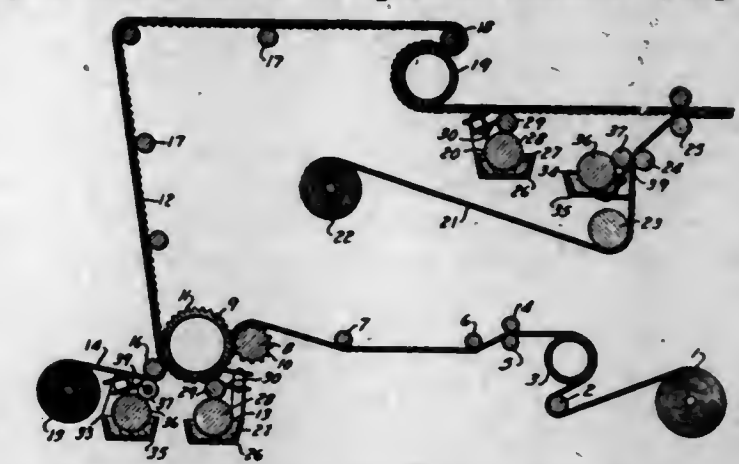


1. A casing having outlet ports for the discharge of cement, a rotary sleeve in the casing, means on the sleeve normally projecting inwardly therein adapted to be operatively connected to a cementing string lowered into the casing so that the sleeve may be rotated thereby, said means being expansible outwardly until substantially flush with the inner wall of the sleeve so as to enable cement plugs to be forced therethrough, and cam means in the casing engageable by the sleeve to cause the sleeve to be raised and lowered during its rotation by the cementing string to open and close said ports.

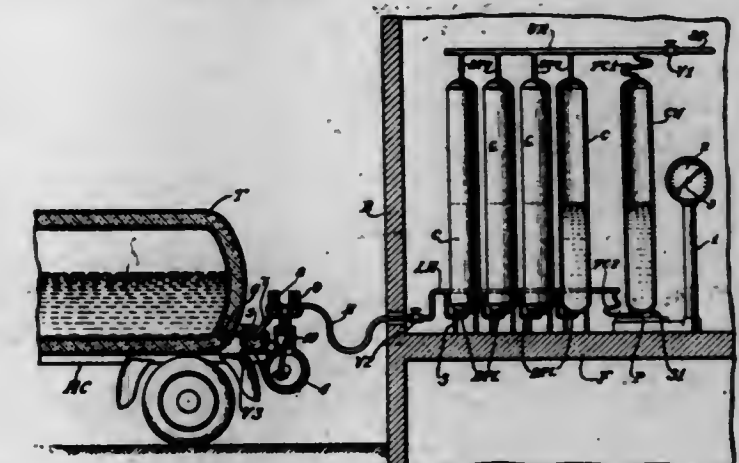
2,384,676
METHOD AND MACHINE FOR MAKING COMPOSITE BOARDS
Irving Hill, Lawrence, Kans.
Application December 26, 1942, Serial No. 470,292
4 Claims. (Cl. 154-31)

3. An apparatus for forming a moisture resistant corrugated board including, means for guiding a plurality of sheets into juxtaposed relation, means for corrugating an intermediate sheet, adhesive applicator rolls contacting tips of the corrugated sheet, means for scraping adhesive from the applicator rolls whereby the adhesive is applied by said rolls to the corrugations in spaced

aligning spot-like areas, means for applying stripes of adhesive in spaced relation longitudinally of the other of said sheets, and means for bringing the sheets into sealing registry.



2,384,677
APPARATUS FOR UTILIZING LIQUEFIED GASES
Robert H. Hill, Elgin, Ill., assignor to J. E. Taylor, Elgin, Ill., doing business as Taylor Engineering Company
Application August 16, 1941, Serial No. 407,145
3 Claims. (Cl. 62-1)

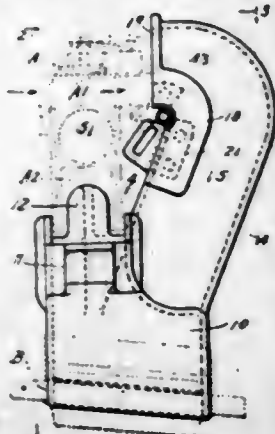


3. In an apparatus of the character described including a plurality of containers for the reception of liquefied gas under pressure, an upper header to which the upper part of each of said containers is rigidly connected, a lower header to which the bottom of each of said containers is rigidly connected, said containers being of the same shape and size and being arranged in relatively compact side by side relation, another container having flexible connection at its upper and lower ends with the upper and lower headers respectively and having associated therewith a calibrated scale operable to indicate the quantity of gas in any one of said rigidly mounted containers, and means unconnected with the headers and cooperating with the rigid connections between the first mentioned containers and the headers to firmly support the first mentioned containers, said first mentioned containers being so related in size and shape that, when the quantity of gas in one of said first mentioned containers is ascertained, the quantity of gas in all of said containers may be computed therefrom.

2,384,678
MACHINE GUN CASE AND LINK EJECTION CHUTE
Edward C. Holton, Los Angeles, Calif., assignor to North American Aviation, Inc., Inglewood, Calif., a corporation of Delaware
Application August 23, 1941, Serial No. 408,045
2 Claims. (Cl. 89-33)

1. In combination, an airplane having a discharge opening therefrom, a gun mounted in said airplane and adjacent to said opening, a

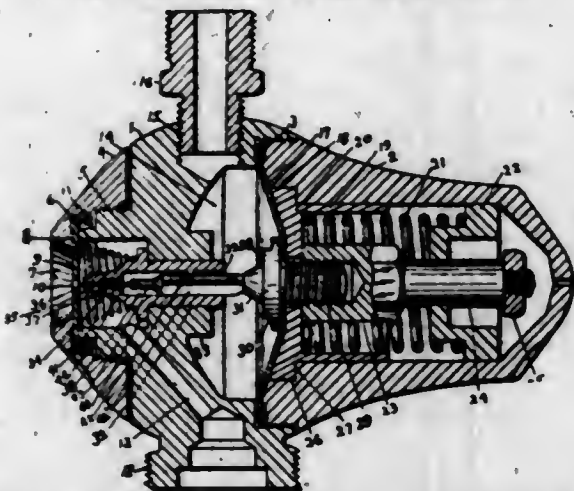
link- and case-ejecting assembly including non-metallic chutes arranged to receive respectively ejected links and cases from the gun, a hollow non-metallic body portion connecting with both chutes and in turn constructed and arranged to direct the links and cases overboard through the discharge opening, the bottom of said body portion being interfittingly connected with the aircraft and the link ejection chute having a positive connection with the gun, the case-ejection



chute having gun-engaging flexible members to resiliently resist lateral displacement from its case-receiving position, the link-ejection chute being inclined laterally from the body in two directions, to receive the links ahead of and at the side of the chute into which the cases are dropped, and the neck of the link-ejection chute being formed of a flexible, elastic material and thus adapted to be laterally yieldable in said two directions.

2,384,679

ATOMIZER FOR LIQUID UNDER PRESSURE
Grover B. Holtzclaw, Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass., a corporation of Massachusetts
Application November 20, 1944, Serial No. 564,219
11 Claims. (Cl. 299-59)



1. An atomizer comprising a head having an air nozzle and a cooperating liquid nozzle and chambers respectively for air and liquid maintained under correlated superatmospheric pressures acting when in communication with the respective nozzles to supply air and liquid thereto, and a single resiliently yieldable member forming a wall of the liquid chamber and means respectively operable by the movements thereof to control both the communication of the liquid chamber with the liquid nozzle and the communication of the air chamber with the air nozzle in accordance with the liquid pressure.

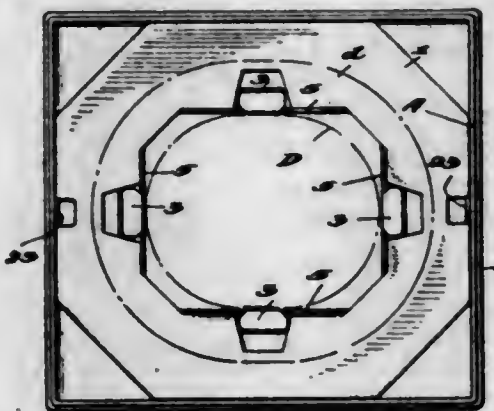
2,384,680

HAT PACKING STAY AND COMBINATION PACKAGE

Joseph G. Huye, New Orleans, La.
Application January 26, 1942, Serial No. 428,294
7 Claims. (Cl. 206-8)

1. A storing and shipping package comprising a tubular box body, and a bottom closing the lower

end of said body, in combination with a plurality of packing stays, a plurality of hats, a top spacer and a box cover, said hats and stays being arranged as units of a stack, each unit comprising a stay and a hat inverted in said stay with its crown depending through said stay and with its brim resting on and supported by a plurality of resiliently pressed supporting members softly and continuously pressed yieldingly against given portions of said hat brim with such a degree of yielding pressure as to accommodate varying degrees of shocks, jars and pressures and prevent relative movement between said hat brim and said supporting members, each said stay in erected condition comprising a top portion or body and substantially vertically disposed supporting means depending therefrom, said top portion or body formed with a large central hat-crown receiving opening and with swingable cradling means ex-

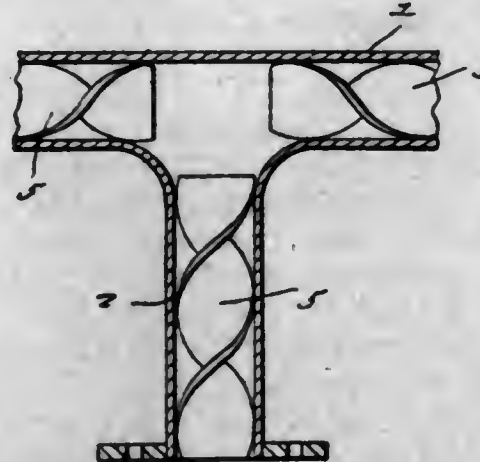


tending at spaced intervals from said body and yieldably resiliently pressed toward the center of said opening, supporting members respectively carried by said cradling means and yieldably resiliently urged relative to said swingable cradling means upwardly and inwardly toward the center of said opening and maintained continuously in supporting contact with corresponding definite portions of the brim of the hat disposed in said stay, said vertically disposed supporting means of the lowest stay resting on the bottom of the box and of each of the other stays resting on the top of the body of the stay immediately next below, and said top spacer having vertical flange portions resting on the top of the body of the top stay and having a top portion of unbroken area substantially contacting the lower face of the cover of the box when the latter is applied to the box body.

2,384,681

INTAKE MANIFOLD

Norman Henry Janes, Snook, Tex.
Application August 3, 1943, Serial No. 497,201
1 Claim. (Cl. 123-142)



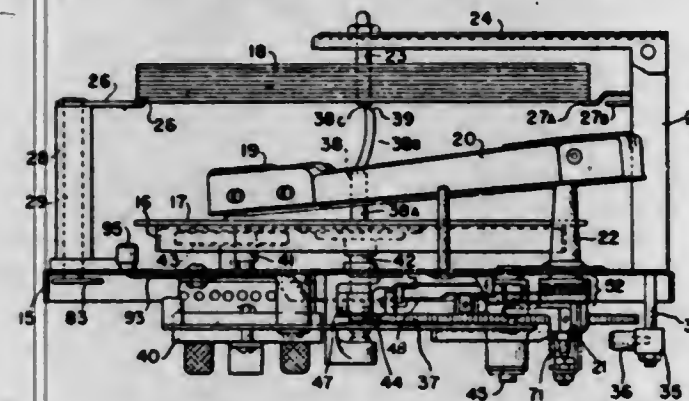
In combination, an intake manifold comprising a horizontal portion of U-shape in plan, and

a straight vertical intake pipe, said horizontal portion embodying a straight horizontal conduit having straight horizontal branches extending laterally from the ends thereof and adapted to project into the engine in direct communication with the valve chambers of the latter, said intake pipe extending from and communicating with said conduit mid-way between the ends thereof, a spirally twisted web separate from and disposed in the intake pipe to extend the full length of the latter, and other similar spirally twisted webs separate from and disposed in the conduit and its branches, each of said other spiral webs extending from a different side of the connection of the intake pipe with the conduit to the free end of the adjacent branch.

2,384,682

AUTOMATIC RECORD CHANGING APPARATUS

Fritz Kahl and Ortis C. Booher, Fort Wayne, Ind., assignors to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application July 30, 1940, Serial No. 348,576
5 Claims. (Cl. 274-10)



1. A record-changing apparatus comprising a rotatable turntable for receiving a record to be played; two diametrically opposite supports with respect to said turntable for supporting a stack of records over said turntable by engaging portions of the peripheral edge of the lowermost supported record, one of said supports being adapted to be moved; a member extending upwardly from and being rotatable with said turntable, said member having at one end thereof a reduced portion displaced with respect to the axis of said member and being adapted to engage the wall of the centering aperture of said lowermost supported record when said record is moved; and means operatively connected to said movable support for changing the position thereof a predetermined distance for moving the wall of the centering aperture of said lowermost supported record into the path of said reduced portion whereby the rotation of said member disengages successively the peripheral edges of said lowermost supported record from said supports to permit said record to move into playing position on said turntable.

2,384,683

GRINDING WHEELS

Samuel S. Kistler, West Boylston, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application May 31, 1940, Serial No. 338,039
14 Claims. (Cl. 51-298)

1. An abrasive product comprising abrasive grains bonded with sulphur vulcanized butadiene copolymerized with another compound selected from the group consisting of vinyl and methyl vinyl compounds.

2,384,684

GRINDING WHEELS

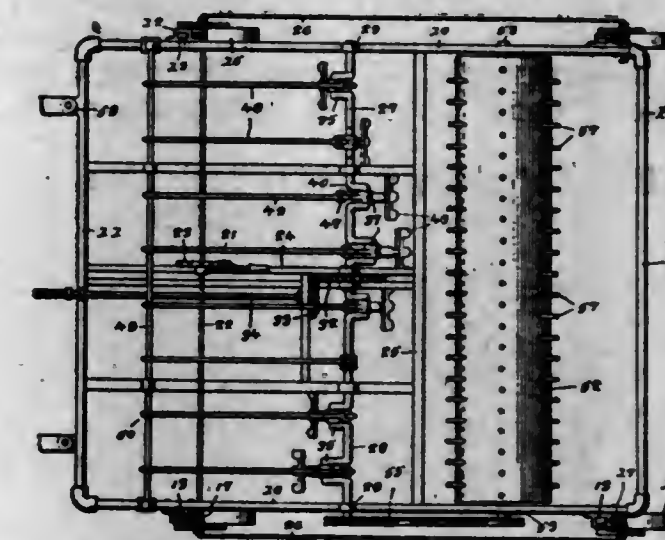
Samuel S. Kistler, West Boylston, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Original application May 31, 1940, Serial No. 338,039. Divided and this application October 13, 1942, Serial No. 461,893
6 Claims. (Cl. 51-299)

1. An abrasive product comprising abrasive grains distributed throughout and adhered and held together by a bond that comprises the vulcanized reaction product with sulphur as a vulcanizing agent of a mixture of a butadiene compound selected from the group consisting of (1) butadiene polymer and (2) butadiene copolymer comprising butadiene copolymerized with a vinyl compound, and unvulcanized natural rubber initially present in an amount to overcome, during working, the characteristic of the butadiene compound in resisting envelopment of and adhesion to the abrasive grains and thereby to contribute grain-retentive plasticity thereto, whereby the bond effected by the afore-said vulcanized reaction product substantially uniformly envelops and securely holds said abrasive grains.

2,384,685

QUACK GRASS DIGGING APPARATUS

Conrad Koehler, Erskine, Minn.
Application June 6, 1941, Serial No. 396,934
1 Claim. (Cl. 97-36)

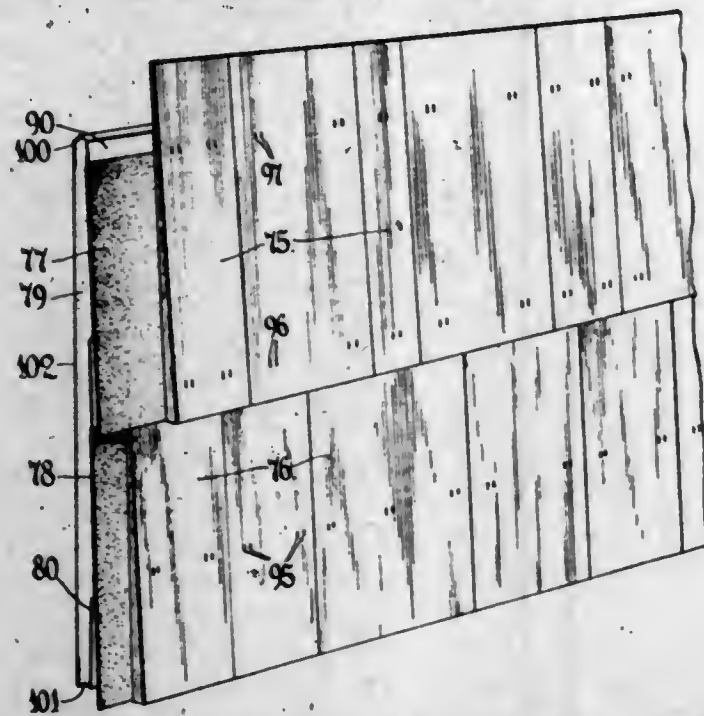


In a digging apparatus of the character described, comprising a rectangular frame, a transverse shaft mounted on said frame having a plurality of cranks thereon, a spade supporting member having a rotary connection intermediate its ends with each crank, a stationary rod mounted on the frame above and forward of the crank shaft, a link connecting the upper end of each spade supporting member with said rod, means for rotating said crank shaft, two vertically movable wheels carried by the frame in front of the crank shaft, two vertically movable wheels carried by the frame in rear of the crank shaft, racks carried by the vertical bars supporting the wheels, a transverse shaft on the frame above each pair of wheels, gears carried by the shaft and meshing with the racks of all four wheel supports, and a lever forward of the crank shaft having link connections for simultaneously oscillating said shafts, whereby each wheel can be simultaneously raised and lowered the same distance.

2,384,686

BUILDING ELEMENT

Clarence W. Kraus, Buffalo, N. Y.
Application October 10, 1942, Serial No. 461,572
10 Claims. (Cl. 20-5)

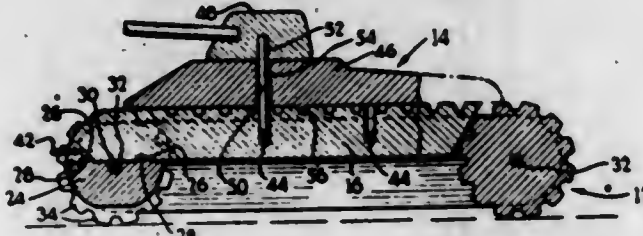


1. A prefabricated building unit comprising a plurality of courses of overlapping shingle elements and a set cementitious base slab having a face thereof stepped to engage intimately against the rear faces of said overlapping shingle elements, said shingle elements being provided with securing means having anchor portions embedded in said base slab.

2,384,687

PSEUDO-TRACKED VEHICULAR TOY

Olaf F. Larsen, Jr., Demarest, N. J., assignor, by mesne assignments, to Noma Electric Corporation, New York, N. Y., a corporation of New York
Application February 7, 1944, Serial No. 521,365
8 Claims. (Cl. 46-219)



1. A pseudo-tracked, wheeled vehicular toy including a chassis comprising a body section, a pair of spaced wheels rotatably mounted on each side of said section, the peripheries of said wheels being corrugated parallel to the axes of rotation thereof to provide spaced ridges resembling tread elements, and a member extending between each lateral pair of wheels, the upper surface of each member being approximately coplanar with the tops of the wheels associated therewith and being corrugated parallel to the axes of rotation of the wheels, the spacing and size of the corrugations on said members being the same as that of the corrugations on said wheels, and the ends of each member overhanging the upper quadrants of the wheels adjacent said ends.

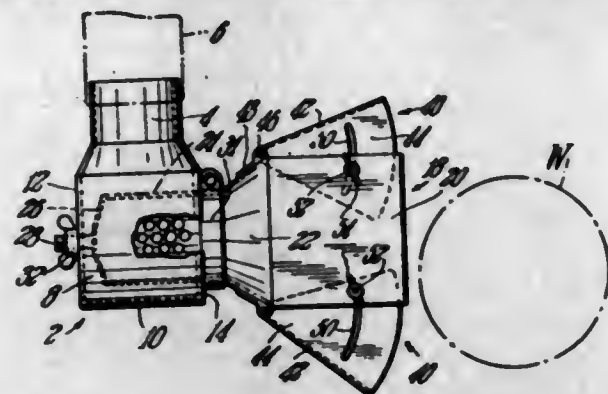
2,384,688

DUST COLLECTING APPARATUS

Morris Litman, Springfield, Mass.
Application May 23, 1945, Serial No. 595,329
4 Claims. (Cl. 51-273)

1. Dust collecting apparatus comprising in combination, a housing having front and rear walls and a stack extending upwardly therefrom,

a hood having forwardly disposed spaced side walls and a rearwardly extending perforated barrel portion journaled in an opening provided in the front wall of the housing, and deflectors

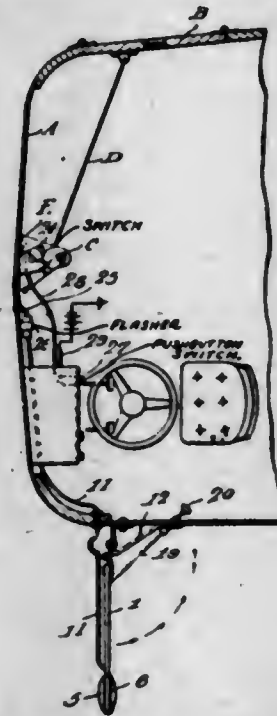


hinged to the housing adjacent the rear ends of the side walls thereof extending between and closing the space at the upper and lower portions of the said side walls.

2,384,689

VEHICLE SIGNAL

Murray L. Moore, Cheyenne, Wyo.
Application April 19, 1943, Serial No. 483,629
3 Claims. (Cl. 177-329)



1. In a signal device for a vehicle, a substantially V-shaped bracket, means for securing the legs of said bracket to the outer wall of the vehicle with the apex thereof outermost, a semaphore arm hinged to one leg adjacent the apex for movement horizontally to a normal position parallel with said wall or to a signalling position at an outward angle thereto, spring means carried by the hinge for normally holding the arm parallel with the wall, illuminating means at the outer end of the arm, a sleeve secured to the other leg and extending through said wall, and a handle slidably mounted through the sleeve and having its outer end connected to the arm for both pivotal and sliding movement for moving the latter to its respective positions.

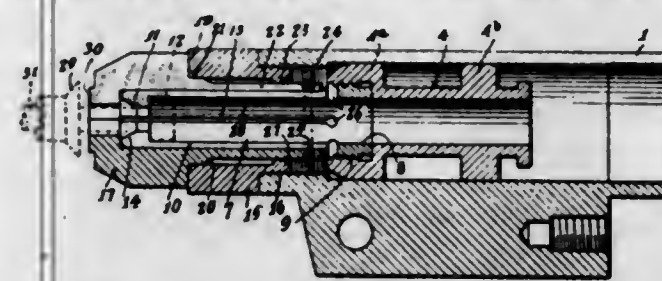
2,384,690

COLLET TYPE PULLING HEAD

Alexander S. Mullgardt, Los Angeles, Calif., assignor to Cherry Rivet Company, Los Angeles, Calif., a corporation of California
Application May 10, 1943, Serial No. 486,412
6 Claims. (Cl. 218-19)

1. In a pulling mechanism for exerting traction upon the pulling head of a rivet, the combination of a power-actuated tractor, guide means for guiding said tractor in the riveting movement, a collet connected to said tractor and having a

plurality of separable jaws capable of passing over the said pulling head and converging thereafter to engage the shoulder of the pulling head, a collet closer and guide having limited relative longitudinal movement with respect to the collet for effecting the closing of the collet by a move-

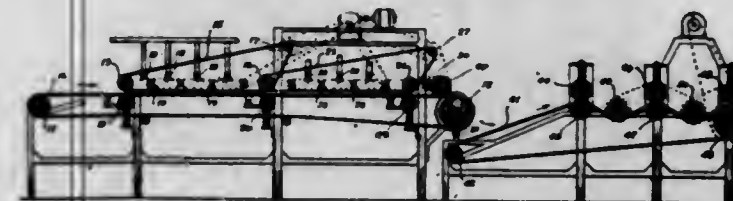


ment of the collet closer in a rearward direction at the starting of the riveting movement, thereby converging the jaws of the collet to engage the shoulder of the pulling head substantially all around its circumferential area, and operating during the riveting movement to maintain the jaws of the collet in their closed position.

2,384,691

AUTOMATIC SHEEP PELT SCRUBBING OR CLEANING MACHINE

Ray A. Nott and Lewis S. Ellis, St. Joseph, Mo., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application September 2, 1942, Serial No. 456,984
3 Claims. (Cl. 69-28)

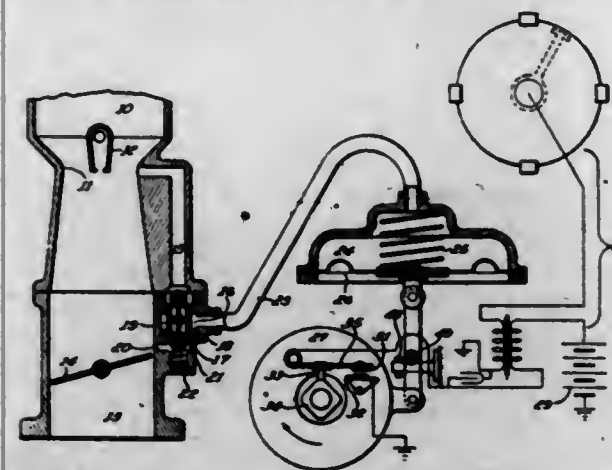


1. A machine for washing and scrubbing a pelt-like article comprising a substantially horizontally disposed wide conveyor means for supporting and carrying the article, a plurality of sets of relatively narrow endless belts cooperating with said conveyor to hold the article on the conveyor, said sets of belts being offset with respect to each other, means to direct a washing fluid against the hair surface being washed, beating means to strike the hair surface only to agitate the fluid against the peltlike article, said sets of belts being positioned above said conveyor to have a portion of each set in longitudinally overlapping relation with respect to another set.

2,384,692

IGNITION DEVICE

Elmer Olson, Ferndale, and Stanley M. Udale, Detroit, Mich., assignors to George M. Holley and Earl Holley
Application November 30, 1944, Serial No. 565,892
4 Claims. (Cl. 123-117)



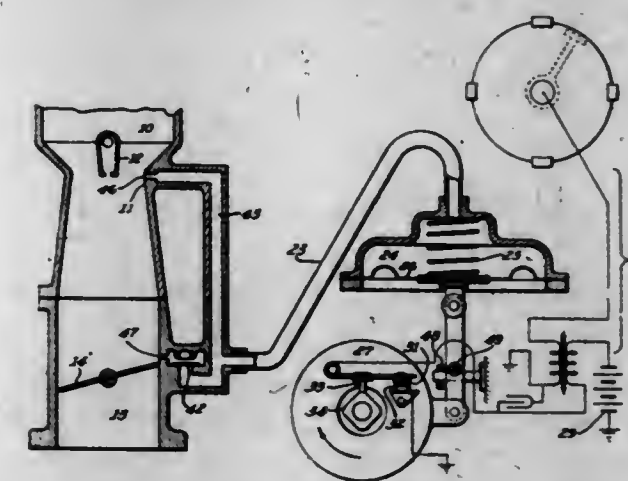
1. A spark advance device for an automotive engine comprising a carburetor having an air

entrance, a venturi therein, a first unrestricted passage communicating with the throat of said venturi, a throttle located downstream of said venturi, an air chamber, a moving wall therein, spring means controlling the movement of said moving wall, an ignition timing device connected to said moving wall, a second unrestricted passage connecting the chamber with the first unrestricted passage, a double-ended valve located at the junction of the two passages, automatic means for moving said double-ended valve to a position which places the two passages in unrestricted communication with each other when the engine is not in operation, a second air chamber located adjacent said valve, a passage located with reference to said throttle so as to connect said second chamber with the air entrance on the atmospheric side of said throttle when said throttle is in its idling position and with the engine side of said throttle immediately after the throttle is moved away from its idling position, means responsive to the engine suction and to the initial opening of the throttle with reference to said passage so as to move said valve against said yieldable means by the application of the engine suction to said valve, said valve being adapted to simultaneously close the unrestricted passage leading to the venturi and to connect the second unrestricted passage with the engine side of the throttle through said second chamber whereby when the throttle is opened wide, the double-ended valve seats and the first unrestricted passage is again placed in unrestricted communication with the second unrestricted passage, and the vacuum created in said chamber escapes rapidly through said unrestricted passages.

2,384,693

SPARK ADVANCE DEVICE

Elmer Olson, Ferndale, Mich., assignor to George M. Holley and Earl Holley
Application December 9, 1944, Serial No. 567,463
3 Claims. (Cl. 123-117)

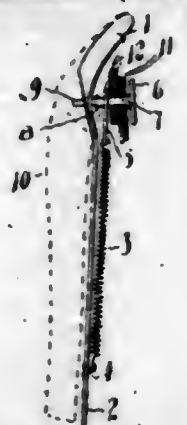


1. A suction responsive spark advance device for an internal combustion engine having an air entrance, a venturi therein, a throttle valve located downstream of the venturi, a relatively unrestricted suction passage leading from the throat of said venturi to said suction responsive spark advance device, a relatively restricted passage located so as to be connected with the downstream side of said throttle when the throttle is first opened and leading to said device, a non-return valve in said second passage preventing flow from the second passage to the first passage when the throttle moves towards its wide open throttle position and permitting flow from first passage to second passage when the throttle is partly open so that the suction applied to said device never exceeds that created by the venturi by more than 50%.

2,384,694

NECKTIE HOLDER

William Henery Quin, Toronto, Ontario, Canada
Application April 25, 1944, Serial No. 532,599
5 Claims. (Cl. 2-152)

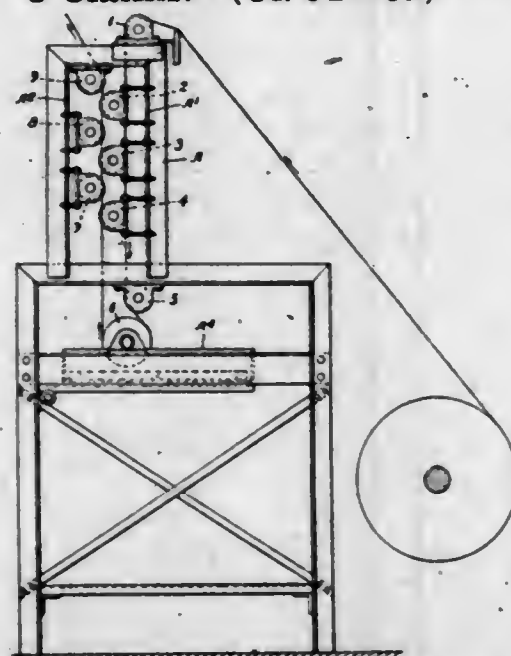


1. A necktie holder comprising a frame adapted to support a necktie, said frame having a depending member extending outwardly from said cross-member at an obtuse angle, said cross-member and depending member conforming to the configuration of the neck and chest of the wearer; and attaching means secured at one end to the lower end of the depending member and having an opening in its free end, the opening in the free end of the attaching means being adapted to receive a collar button.

2,384,695

FABRIC COATING MACHINE

Francis B. Quinn, Thompsonville, and Robert G. Levitch, Enfield, Conn., assignors to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn., a corporation of Massachusetts
Application November 17, 1944, Serial No. 563,858
3 Claims. (Cl. 91-31)



1. A fabric coating machine having in combination a chamber open at top and bottom and having vertical sides, two sets of burnishing rolls therein, said rolls being rotated with a surface speed of from 15 to 30 feet per second, the rolls in each set being in alignment with each other, a tank located below said chamber and adapted to contain a rubber solution, a roll dipping into said tank, means to guide the incoming dry fabric against the sides of the rolls of one set with which sides the wet fabric does not contact and means to guide the wet fabric against the opposite sides of said rolls and against the other set of rolls in said chamber.

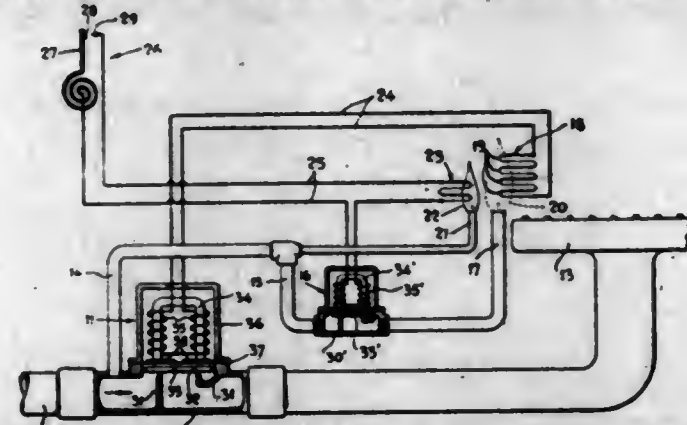
2,384,696

CONTROL SYSTEM

William A. Ray, Los Angeles, Calif.
Application February 1, 1943, Serial No. 474,300
5 Claims. (Cl. 158-117.1)

1. In a burner control system: a main burner, an electrically operated valve for controlling supply of fuel to said main burner, a thermoelectric

generating device for operatively energizing said valve and uninterruptedly connected thereto, a first auxiliary burner for heating said thermoelectric generating device, valve means operable between open and closed positions for controlling

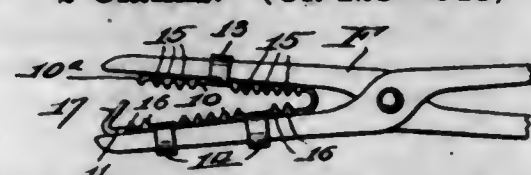


supply of fuel to said first auxiliary burner, and a continuously-burning second auxiliary burner for igniting the fuel at said first auxiliary burner, at least one of said auxiliary burners also serving to ignite the fuel at the main burner.

2,384,697

UMBILICAL CLIP

Peter Riccardi, Los Angeles, Calif.
Application October 18, 1944, Serial No. 559,144
2 Claims. (Cl. 128-346)

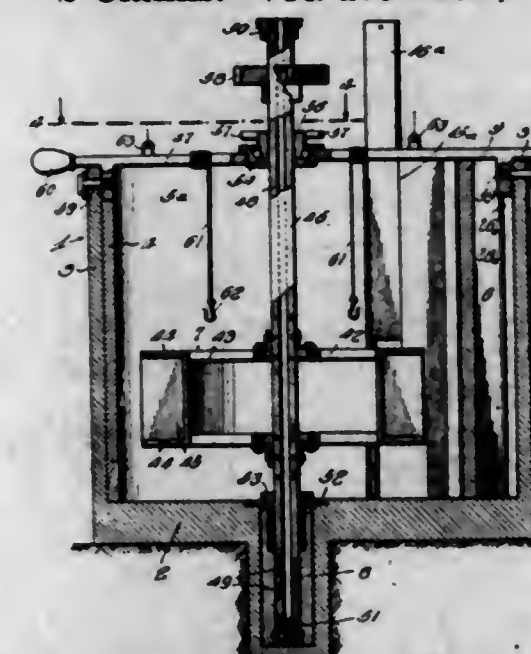


1. An umbilical clip comprising a pair of jaws connected at one end, means on said jaws for receiving the jaws of a pair of forceps and a lip extending from the forward end of one of said jaws toward the forward portion of the other jaw which lip is slightly inclined toward the connected ends of said jaws.

2,384,698

WATER-POWER WHEEL

John Y. Robertson, El Paso, Tex.
Original application June 28, 1943, Serial No. 492,619. Divided and this application December 10, 1943, Serial No. 513,771
6 Claims. (Cl. 170-117)



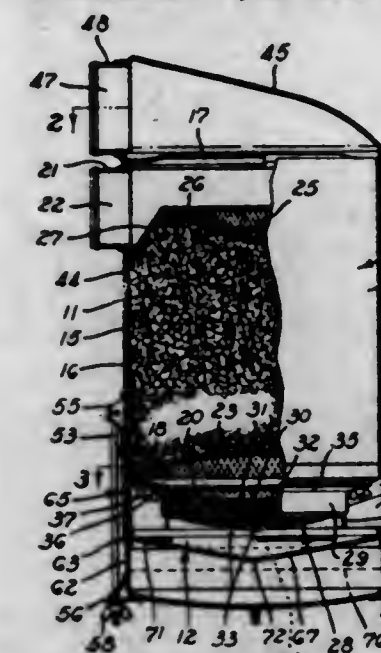
1. In a water power wheel structure, a flume having a bottom bearing, a shaft journaled at its lower end in said bearing, a water wheel mounted on the shaft, a bar extending across and supported by the side walls of the flume, an upper bearing member rotatively mounting the shaft on the bar and coupling the shaft with the bar for raising and lowering movements therewith, and in which the upper portion of the shaft is journaled, and draft means for connecting the bar with the wheel and whereby on a lifting

movement of the bar the weight of the wheel will be removed from the upper bearing and the wheel may be raised and the shaft removed from the bottom bearing.

2,384,699

AIR CLEANER

Kenneth F. Russell and George H. Hopkins, Claremont, Calif., assignors to Herman H. Garner and Bess A. Garner, both of Claremont, Calif., as joint tenants
Application January 23, 1943, Serial No. 473,416
6 Claims. (Cl. 183-15)



1. An air cleaner of the class described for service in an enclosed air stream with minimum obstruction of the air stream, said cleaner having: an upright cylindrical filter unit containing a mass of filtering material, said unit being closed at the top with an upper discharge port and being open at the bottom; a casing attached to and surrounding said cylindrical unit, said casing having side walls substantially tangential to said cylindrical unit, thereby to present to said air stream substantially the same profile as said cylindrical unit, said casing defining with said cylindrical unit downward longitudinal passages for air intake, said casing extending below said unit to form an oil cup below the unit with an intervening vortex zone, said tangential side walls extending to said vortex zone, said casing being in separable parts for access to said oil cup; and removable wall means seated in said casing below said filter unit, said wall means including a transverse barrier between said oil cup and said vortex zone and a cylindrical wall in the vortex zone, said cylindrical wall having openings adjacent said tangential walls for air flow from said down passages tangentially into said vortex zone.

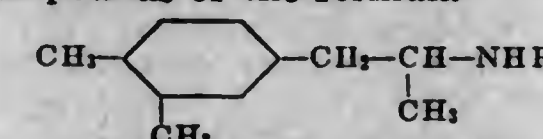
2,384,700

ALKYLATED PHENYL-ISOPROPYL-AMINES AND PROCESS FOR THE MANUFACTURE OF SAME

Otto Schneider, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application September 3, 1943, Serial No. 501,174. In Switzerland November 13, 1942

8 Claims. (Cl. 260-570.8)

1. A substance selected from the group consisting of compounds of the formula

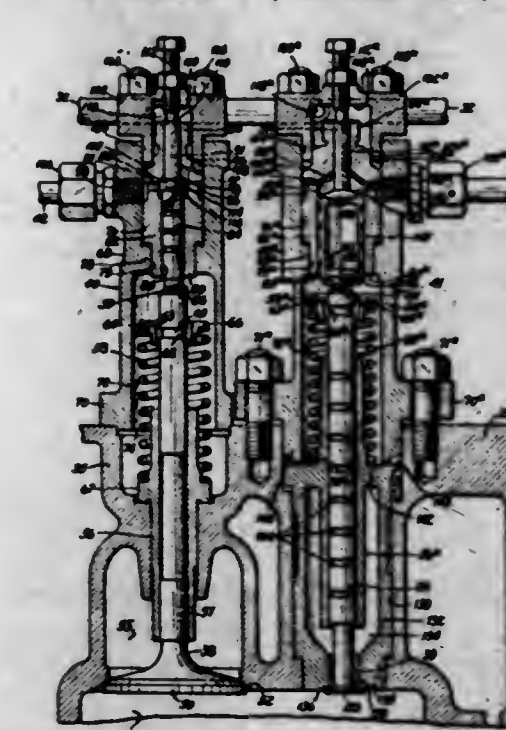


wherein R stands for a radical selected from the group consisting of hydrogen and methyl, and the salts thereof.

2,384,701

HYDRAULIC OPERATING UNIT

Henry Schreck, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application May 8, 1943, Serial No. 486,194
1 Claim. (Cl. 123-90)



A hydraulically actuated valve assembly of the character described, in association with means providing a fluid port, comprising a valve member controlling said port, yieldable means serving to bias said valve member toward port-closing position, a housing providing a fluid chamber therein, a piston in said chamber movable from an initial position responsively to fluid-pressure in the chamber, for actuating said valve member to a port-opening position, said piston upon release of fluid-pressure in the chamber, being returned to said initial position responsively to port-closing movement of said valve member as effected by said yieldable means, and abutment means extending from and in a direction coaxially of said piston, for determining the initial position of said piston in the chamber, said abutment means including an element movable by said piston and an adjusting member therefor, located exteriorly of said fluid chamber, said element cooperating with an adjacent portion of said housing to define a vent passage for said chamber.

2,384,702

APPARATUS FOR TREATING FRUIT

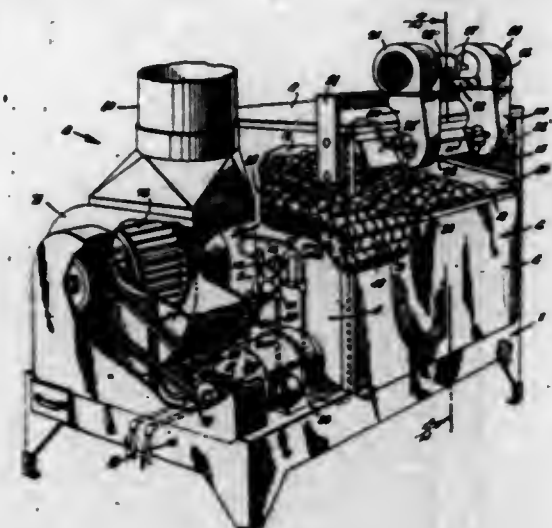
Ogden S. Sells and Howard L. Porch, Riverside, Calif., assignors to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Original application July 31, 1940, Serial No. 348,978. Divided and this application July 5, 1943, Serial No. 493,538

11 Claims. (Cl. 91-45)

9. An apparatus for delivering a volatile liquid into the atmosphere and uniformly applying the same to surfaces to be treated therewith without permitting a substantial degree of evaporation of said liquid while the latter is travelling through the atmosphere, said apparatus comprising: means for delivering said liquid under a substantial super-atmospheric hydraulic pressure to a point of dispersal spaced a substantial distance from said surfaces; spray-forming means at said point for receiving said liquid and responsive exclusively to said hydraulic pressure to discharge said liquid into the atmosphere in the form of a spray of particles; and means for delivering relatively large volumes of air against said particles immediately after the latter are dis-

persed as aforesaid into said atmosphere to entrain said particles in said air and convey said particles rapidly into contact with said surfaces, said air being impelled as aforesaid under a rela-



tively low pressure differential whereby the impact of said air with said particles is insufficient to produce a substantial degree of further subdivision of said particles.

2,384,703

PEN AND PENCIL CLASP

Henry Singer, Honolulu, Territory of Hawaii
Application March 16, 1944, Serial No. 526,764
4 Claims. (Cl. 24—11)



1. Means for securing an instrument such as a pen, pencil or the like in a pocket, comprising a relatively long resilient arm secured at one end to the body of the instrument and provided at its opposite end with a clamping head directed toward the body and adapted to have contact therewith, and a member carried by the body adjacent to the head and between the arm and the body and extending outwardly from the body a distance substantially equal to the width of the space between the arm and body when the head is in contact with the body, the proximity of said member and body being such as to cause a sharp bending of the material of a wall of a pocket interposed between such member and the arm.

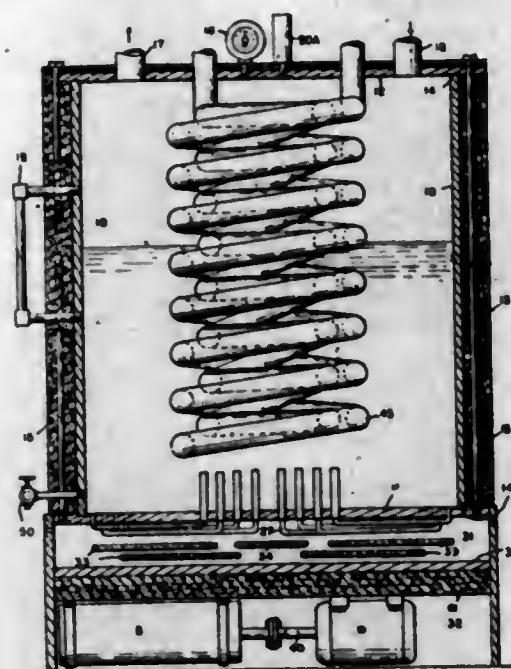
2,384,704

STEAM GENERATOR

James A. Standing, Detroit, Mich.
Application June 14, 1943, Serial No. 490,759
5 Claims. (Cl. 219—38)

1. A steam generator for space heating consisting of a water reservoir, a heater chamber beneath said reservoir and containing heating means, said heating means being spaced from the

bottom of said reservoir, and a plurality of radially arranged water circulation pipes open to said

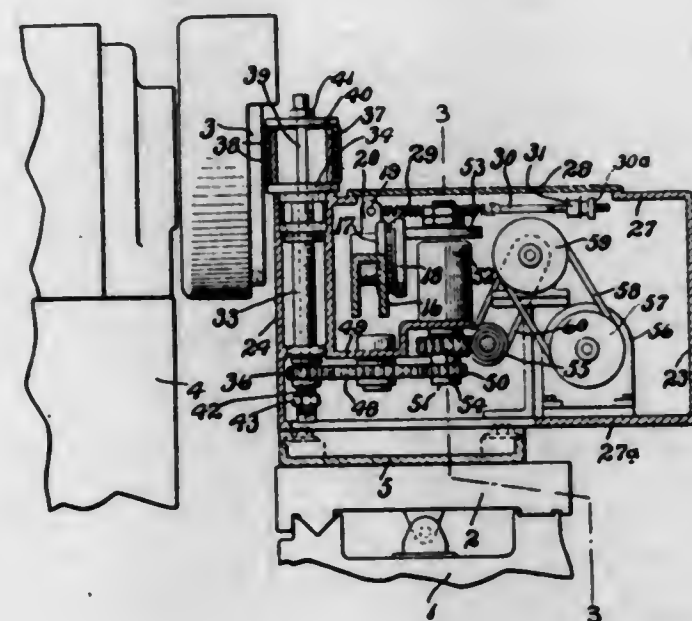


reservoir located in the space between said heating means and said bottom.

2,384,705

RING SHAPING MACHINE

Robert Stenwall, Newaygo, Mich., assignor to Muskegon Piston Ring Company, Muskegon, Mich., a corporation of Michigan
Application July 3, 1944, Serial No. 543,234
8 Claims. (Cl. 51—127)



7. In a construction of the class described, a movably mounted support, a motor driven shaft thereon, a spindle thereon driven by said shaft at the same speed, a cam carried by said shaft, a disk mounted to turn about an axis perpendicular to the axis about which the cam turns, yielding the disk and means for releasably holding a ring means for moving the cam into engagement with on said spindle whereby said ring turns with said spindle about its axis of rotation.

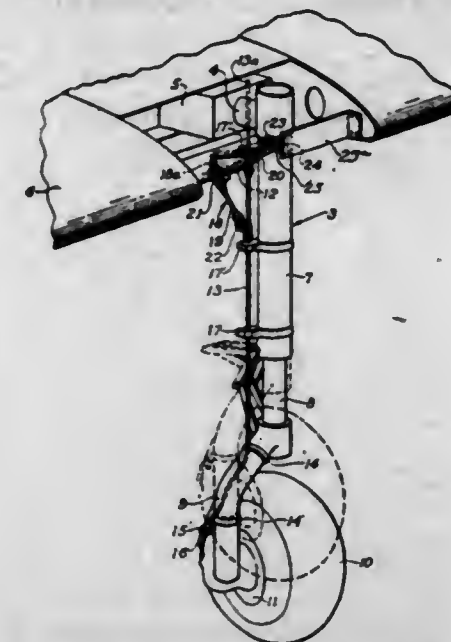
2,384,706

HYDRAULIC SYSTEM

Richard H. Sullwold, Los Angeles, Calif., assignor to North American Aviation, Inc.
Application August 2, 1944, Serial No. 547,801
5 Claims. (Cl. 244—111)

1. A hydraulic brake line for an airplane landing gear of the type including telescoping oleo strut members the upper of which is pivoted to

the frame of the airplane for folding movement to retract the gear, and the lower of which mounts a landing wheel having hydraulic brake mechanism associated therewith; said brake line comprising a brake tube communicating with said

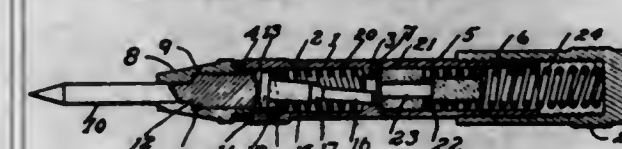


brake mechanism and arranged for movement with said lower strut member, a supply line carried by said frame, a pair of folding tube sections, and swivel couplings joining said tube sections respectively to said brake tube, to said supply line, and to each other.

2,384,707

AUTOMATIC CENTER PUNCH

Laurence A. Sweet, Huntington Park, Calif.
Application September 29, 1942, Serial No. 460,165
2 Claims. (Cl. 81—1)



1. An automatic centerpunch comprising: a tubular housing having a constriction intermediate its ends forming a camming element; a punch plunger slidable in said housing at one side of said constriction and protruding from said housing; a tumbler including a head adapted to bear against said plunger, a stem extending into and through said constriction and a tapered cam portion on said stem adapted as said stem is urged through said constriction to engage said camming element and move the extremity of the said stem remote from said head from a position offset with respect to the axis of said housing to a substantially centered position; a hammer slidable in said housing on the opposite side of said constriction from said plunger; and a spring urging said hammer toward said restriction, tumbler and plunger; said hammer having an end adapted to be engaged by said stem when in its offset position and a socket in said end adapted to receive said stem when said stem is in its aligned position, whereby on receiving said stem the hammer is driven by said spring into impact engagement therewith.

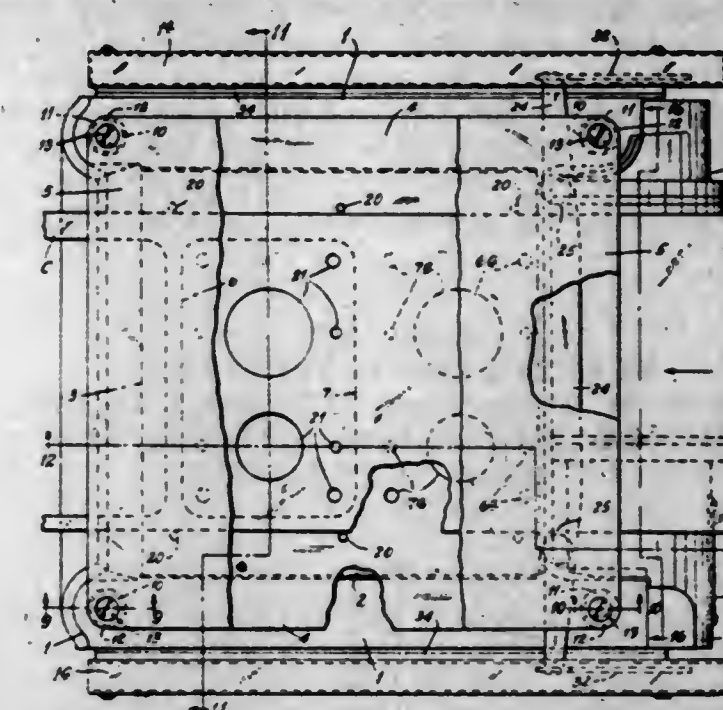
2,384,708

SELF-CONTAINED DIE SET

Charles H. Tauser, Venita Park, Mo., assignor to McDonnell Aircraft Corporation, St. Louis, Mo., a corporation of Maryland
Application August 28, 1944, Serial No. 551,553
24 Claims. (Cl. 164—13)

1. A die set comprising relatively movable punch and die members, a member reciprocable beneath

said members for removing from said die stampings or blanks or punchings produced thereby, and means controlled directly from said punch and

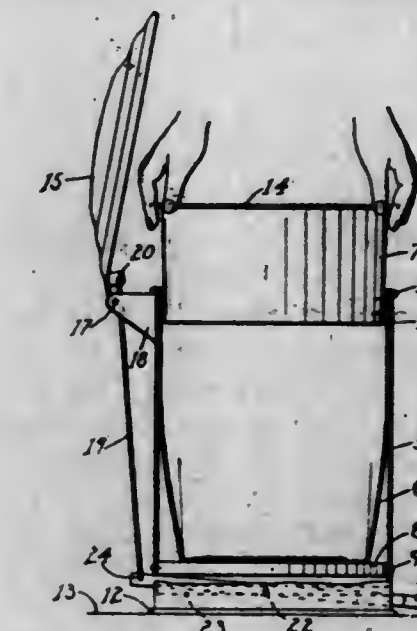


die members for actuating said reciprocable member after each complete operation of said die elements.

2,384,709

SANITARY WASTE RECEPTACLE

Norman T. Thoren, Beloit, Wis.
Application August 4, 1943, Serial No. 497,339
2 Claims. (Cl. 220—65)



2. In a sanitary waste receptacle comprising a substantially cylindrical open-mouthed container having an outwardly projecting rim defining the mouth portion and containing a removable and disposable paper liner bag having the open end of the bag disposed in the open upper end of said container, means for holding open said liner bag and clamping the upper end thereof and protecting the clamped portion from contamination so that the bag may, when filled, be readily removed from said container without likelihood of a person soiling his hands on said bag in so doing, said means comprising a substantially circular collar of suitable material impervious to moisture presenting a substantially smooth inner surface throughout its circumference, said collar being of a length to reach nearly half the depth of the bag and being of approximately the same outside diameter at its upper end as the inside diameter of said container, and being slightly tapered substantially its full length and being only slightly smaller in diameter at its lower end than at its upper end, whereby to facilitate entering the collar in the bag and providing for wedging engagement in the mouth of

the bag while protecting substantially the full length of the upper portion of the bag that is covered by said collar from soiling, said collar having an annularly outwardly projecting flange on the upper end thereof which rests on the projecting rim of the container for support of the collar, said flange projecting radially sufficiently in relation to the rim so that it may be easily grasped by the edge portion thereof for easy removal and replacement of the collar.

2,384,710

TELESCOPIC TRIPOD LEG

Christ. W. Trippensee, Jefferson City, Mo.
Application June 15, 1944, Serial No. 540,424
2 Claims. (Cl. 248—191)

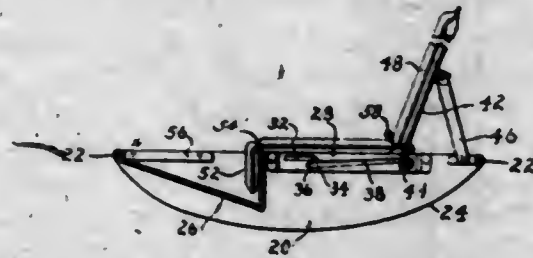


1. A leg structure of the kind described, comprising a plurality of telescopically interfitted sections, all but one of the sections having elongated slots longitudinally thereof one edge of said slots being provided with rack teeth, the other edge of said slot being unnotched, and a tensioned displaceable rack toothed block, of a lesser width than said slots fixed to the end of all sections excepting one slotted section and working within the slots for latching and unlatching the sections to each other.

2,384,711

INFANT'S CARRIAGE

William C. Troendle, Gardner, Mass., assignor to Thayer Company, Gardner, Mass., a corporation of Massachusetts
Application February 19, 1944, Serial No. 523,021
8 Claims. (Cl. 155—7)

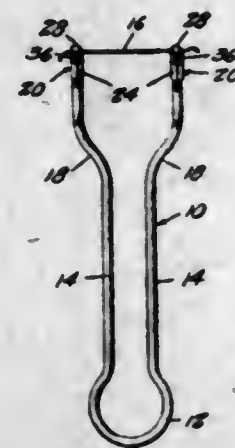


1. In a carriage, a frame, a back rest and a seat pivoted together along adjacent edges and slidable as a unit on the frame, the back rest being slidably pivoted to the frame and the seat being free thereof, and latching catches in the frame to latch the back rest in angular positions relative to the seat, said back rest and seat being capable of alignment to present a flat support.

2,384,712

DENTAL FLOSS HOLDER

John Turenchalk and Harry Turenchalk,
Yonkers, N. Y.
Application August 30, 1943, Serial No. 500,566
5 Claims. (Cl. 132—91)

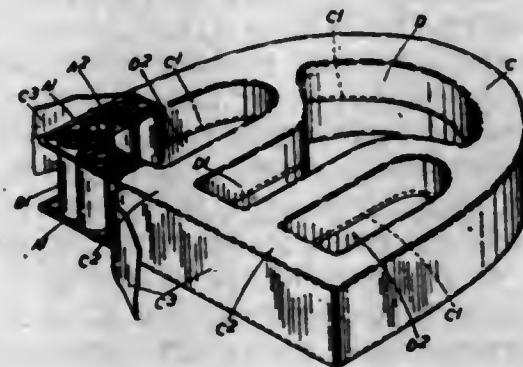


1. A dental floss holder comprising a bent wire handle, having spaced legs, elongated slots in the legs adjacent the ends, the legs at the slots being threaded, a web slidably mounted in each slot, and provided with pins, bodies engaged by the pins, the end of the leg at each slot formed to provide a first clamping part, the web forming a second clamping part, and a sleeve nut on the threaded end for forcing the web into clamping engagement with floss between the first clamping part and the web.

2,384,713

CUSHION SEAT

Dewan Chand Varma, London, England
Application August 6, 1942, Serial No. 453,881
In Great Britain July 26, 1941
2 Claims. (Cl. 155—179)



2. A cushion seat comprising a pair of main external superimposed rims, springs acting between these rims and normally tending to urge them apart, three subsidiary pairs of rims within the main rims, one of said subsidiary pairs of rims enclosing an enclosed space extending approximately centrally along the pad from the front towards the rear where the space opens out to form a generally oval space to register with the base of the pelvis, whilst the other two pairs of subsidiary rims define elongated spaces in the thigh-supporting parts of the pad on opposite sides respectively of the forward or elongated part of the central space, at least one layer of resilient material covering the rearward oval portion of the central space and also the two spaces in the thigh-supporting portions, and a covering extending over the upper and side portions of the pad, said covering being folded into the forward elongated portion of the central unoccupied space thus forming an elongated recess in the upper surface of the pad adjacent to the scrotum.

2,384,714

TUBULAR HEAT EXCHANGER

Eugen Villiger, Zurich, Switzerland, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland, a corporation of Switzerland
Application February 29, 1944, Serial No. 524,458
In Switzerland April 12, 1943
4 Claims. (Cl. 257—224)

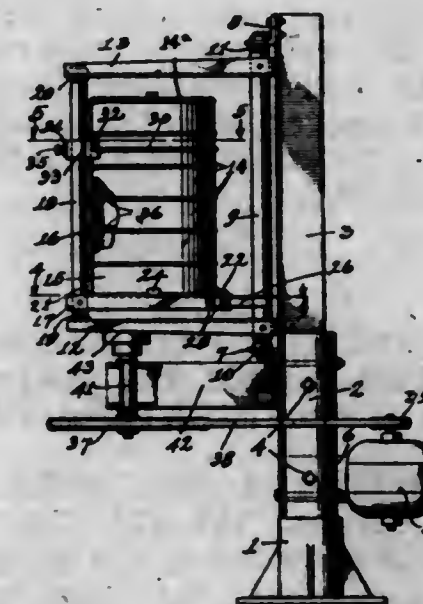


1. A baffling structure for heat exchangers of the shell and tube type in which the fluid flowing externally of the tubes enters adjacent one end of the shell and leaves adjacent the other, said baffling structure constraining said fluid to flow in a generally helical path and comprising a flat plate which extends longitudinally of the shell between two sets of tubes and has notched lateral edges adapted to permit flow around the plate, and flat plate-like oblique baffles located on opposite sides of said plate, the baffles on one side of the plate being reversely inclined with respect to those on the other and so arranged as to define paths communicating with said notches.

2,384,715

SIFTING APPARATUS

Royal V. Ward, San Bernardino, Calif.
Application June 17, 1942, Serial No. 447,339
14 Claims. (Cl. 209—237)

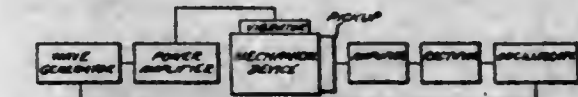


1. A sifting apparatus comprising: means for supporting a plurality of sieves in a stack, means for primarily oscillating said sieves as a unit about a vertical axis apart from the common geometric axis of the sieves, and means for secondarily oscillating said sieves on a different axis at the completion of each stroke.

2,384,716

FREQUENCY RESPONSIVE INDICATING APPARATUS

Arthur M. Wengel, Madison, Wis., assignor to Ray-O-Vac Company, a corporation of Wisconsin
Application March 14, 1941, Serial No. 383,431
2 Claims. (Cl. 73—67)

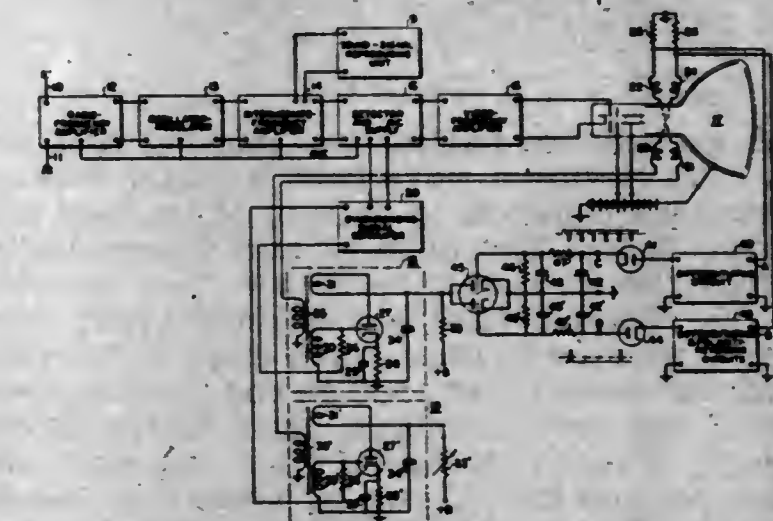


1. Apparatus of the character described for making a vibration test of a mechanical device, including: vibrator means adapted to be excited by electrical energy and to mechanically vibrate said device; pick-up means adapted to be excited by mechanical vibrations set up in a portion of said device; indicating means actuated by said pick-up means; and means for generating and delivering to said vibrator means energy in the form of cyclically recurring bands of frequencies with the duration of a cycle and the interval between cycles being so short that the effect on the device is that of practically continuous excitation by the simultaneous application thereto of a multiplicity of frequencies lying within a band of frequencies, whereby the indicating means responds to the resonant frequency of the selected portion of the device exciting the pick-up means.

2,384,717

TELEVISION SCANNING SYSTEM

John C. Wilson, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application July 1, 1941, Serial No. 400,577
12 Claims. (Cl. 178—7.7)

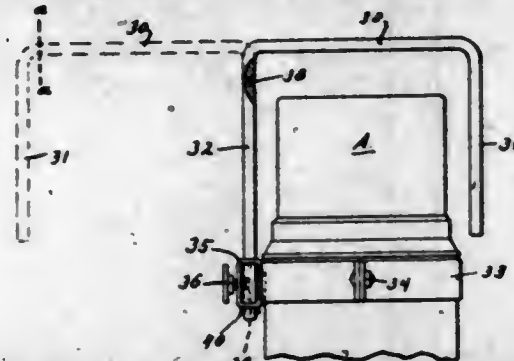


1. A television scanning system comprising, a cathode-ray tube including a target to be scanned by the cathode-ray beam of the tube, a first means for developing and using a first scanning signal to scan said target with said beam in one direction at a predetermined frequency and with a first predetermined amplitude, a second means for developing and using a second scanning signal to scan said target with said beam in another direction at a different predetermined frequency and with an amplitude relative to said first amplitude which may tend to vary under operating conditions, means responsive to said signals and dependent jointly upon an amplitude characteristic of said first signal and upon an amplitude characteristic of said second signal for deriving a control effect, and means responsive to said control effect for controlling the ratio of said amplitudes.

2,384,718

HANDLE FOR CONTAINERS

Lillian S. Witherspoon, Los Angeles, Calif.
Application December 12, 1942, Serial No. 468,799
4 Claims. (Cl. 220-94)

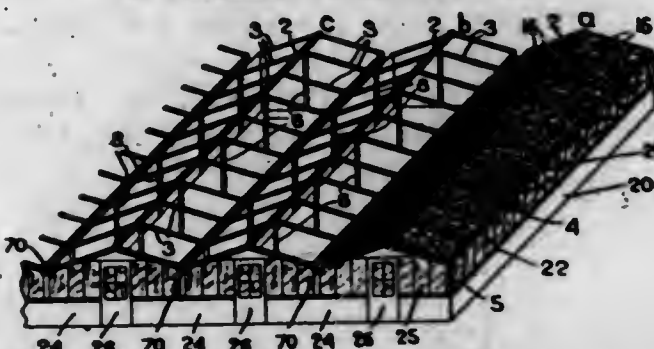


1. A substantially U-shaped handle for containers and the like comprising a grip portion and connected extensions, one of said extensions being rotatable about a vertical axis and vertically movable within and carried by a sleeve carried by said container, an adjustable set screw mounted on said sleeve, and slots adapted to be engaged by said set screw formed in said extension adjacent to the opposite ends thereof and diametrically opposed to one another, the slot adjacent to the junction of said grip portion and said extension carried in said sleeve being provided on the inner side of said handle.

2,384,719

GREENHOUSE CONSTRUCTION

Mads Peter Anderson, Woburn, Mass.
Application June 3, 1943, Serial No. 489,487
2 Claims. (Cl. 108-1)



1. A greenhouse having two parallel roof sections, each having a ridge pole, a gutter between said sections common to both of them, said gutter presenting a floor member and an upstanding side member on each side of the floor member, each side member having a beveled upper edge, rafters supported at their upper ends on the ridge pole and at their lower ends on the beveled upper edges of the side members, each rafter having a flat top surface extending from one side edge to the other and broken only by a centrally located longitudinally extending drain groove, filling pieces secured to the upper edges of the side members between adjacent rafters, the upper faces of the filling pieces being flush with the flat upper faces of the rafters, and a plurality of separate roof sash resting on the rafters and each extending from the ridge pole to the gutter, the lower ends of the removable sash resting on the filling pieces.

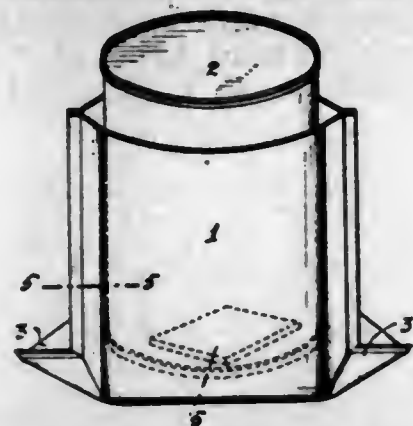
2,384,720

CHEMICAL HEATING CONTAINER

Gordon M. Babcock, Francis B. Rethwisch, and Vincent E. Furnas, Louisville, Ky., assignors to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
Application October 22, 1943, Serial No. 507,348
3 Claims. (Cl. 126-263)

1. A chemical-heating structure for the contents of cans and the like which consists in a com-

posite sheet folded upon itself and sealed at its longitudinal margins, the container having an inner layer consisting of metallic foil, the fold of the sheet being at its base, the walls of the container being adapted for distension upon the insertion of a round-wall body such as a can and

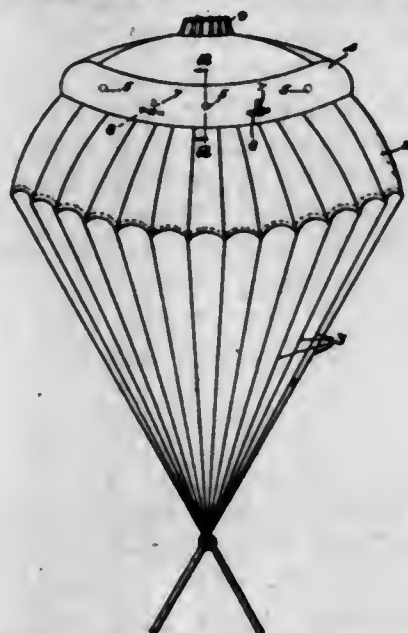


in such manner that the can is engaged by the container at opposite areas thereof, while at other opposite areas the container is spaced therefrom for the emission of gases, and a cartridge within the container, the cartridge enclosing a chemical mixture adapted to produce heat in the presence of water.

2,384,721

LIFE PRESERVING APPARATUS

George H. Bingham, Jr., Lincoln, Mass., assignor to Cambridge Rubber Company, Cambridge, Mass., a corporation of Massachusetts
Application October 2, 1943, Serial No. 504,665
7 Claims. (Cl. 244-142)



2. The combination with a parachute, an inflatable life preserver, and means releasably connecting said life preserver to said parachute for flight therewith, said connecting means being constructed and arranged to conduct air trapped in the parachute during its descent into said life preserver to inflate it.

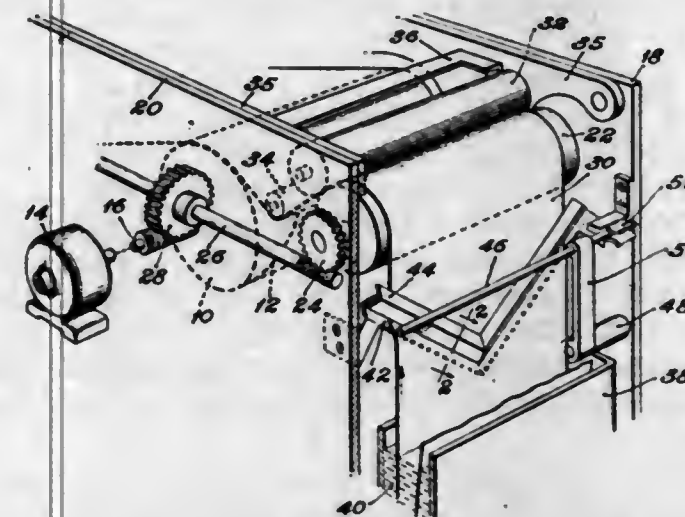
2,384,722

FACSIMILE RECORDER

Albert Blain, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application October 24, 1942, Serial No. 463,195
4 Claims. (Cl. 234-76)

1. A facsimile recorder of the electrolytic type including an electrolytic bath, supporting means for a record receiving paper supply roll and a feed roller, means for directing the paper from the supply roll through the electrolyte bath to the feed roller, means for rotating the feed roller at a predetermined speed, a V-shaped doctor blade element positioned on each side of the paper and located between the electrolyte bath and the feed roller with the apex of each doctor blade element

directed opposite to the direction of travel of the paper, the doctor blade elements being positioned in a staggered relationship and arranged to cooperate with each other, whereby excess surface moisture will be removed from each surface of



the paper by the doctor blade elements when the paper is drawn between the elements by said feed roller, and whereby the paper will be tensioned across its width to smooth the paper as it is fed to the feed roller.

2,384,723

PUTTING GREEN

Walter F. Brodzik and Vincent Muranyi, Buffalo, N. Y.; said Muranyi assignor to said Brodzik
Application January 19, 1942, Serial No. 427,216
3 Claims. (Cl. 273-35)

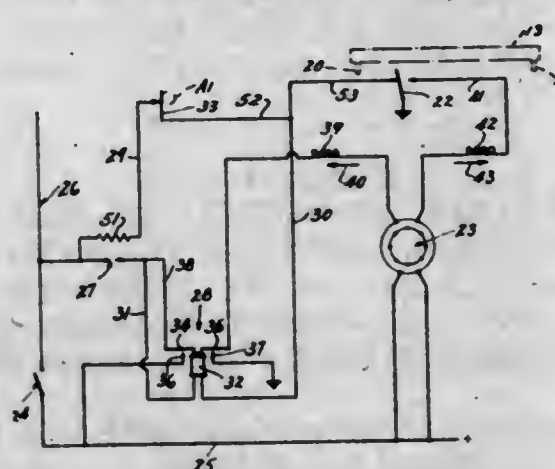


1. Golf putting apparatus comprising a surface presenting a longitudinal ball path, said surface comprising a rigid panel having a covering thereover comprising tightly stretched mohair pile fabric with the pile extending outwardly, and an opening in said fabric and said panel at one end of said longitudinal ball path, the mohair pile of said fabric being inclined substantially against the normal direction of ball movement along said longitudinal path.

2,384,724

GUN CHARGER

James E. Chapman, Los Angeles, Calif., assignor to North American Aviation, Inc., Inglewood, Calif., a corporation of Delaware
Application November 29, 1941, Serial No. 420,957
1 Claim. (Cl. 89-1)



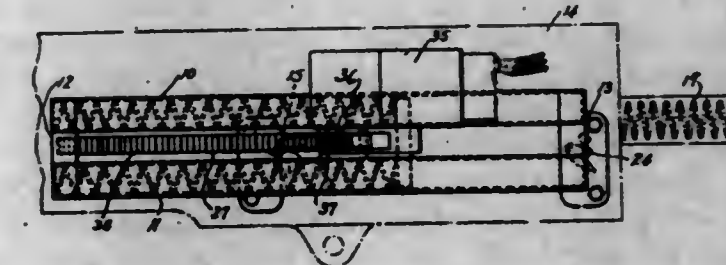
For an automatic gun having a charging mechanism and a bolt adapted to reciprocate

continuously, longitudinally of the gun during gun firing to operate said mechanism, said bolt remaining in a forward position for a normal period of time during each reciprocation; an auxiliary charger comprising a reciprocable rack, means on said rack adapted to engage and retract the bolt from its forward position when said rack is moved in one direction from a normal position and said means constructed and arranged to release said bolt at the end of the bolt retracting movement, electrically operated motor means connected to said rack for reciprocating the same, said motor means comprising a circuit, a motor switch in said circuit to control the operation of said motor means for moving said rack in bolt retracting movement and a reversing circuit to reverse the operation of the motor means for returning said rack to said normal position, a motor switch control means comprising a relay circuit including a relay constructed and arranged to close said motor switch, a time delay device in said relay circuit for controlling the energization of said relay comprising an actuating means constructed and arranged to be operated by the bolt only when the bolt is in its forward position for a period of time longer than said normal period of time, a double throw switch constructed and arranged to be included in said relay circuit in a first position and in said reversing circuit in a second position, means on said rack for moving said double throw switch from said first position to said second position at the end of the bolt retracting movement to open said relay circuit and to close the reversing circuit to return said rack to said normal position.

2,384,725

GUN CHARGER

James E. Chapman, Los Angeles, Calif., assignor to North American Aviation, Inc., Inglewood, Calif., a corporation of Delaware
Application December 17, 1941, Serial No. 423,355
5 Claims. (Cl. 89-1)



1. An electrically controlled bolt retracting mechanism for machine guns, comprising a frame, a bolt retracting member movably mounted for reciprocation on said frame and adapted to be positioned forwardly of the path of reciprocation of the gun bolt during normal gun operation, said member including means engageable with the bolt, spring means connected between said frame and said member to actuate said member for bolt retracting movement, said spring disposed on said frame to be recompressed by said member during the return of said member to its forward position, means positioned on said frame in the path of reciprocation of said member to disengage said bolt engaging means from the bolt at the end of bolt retracting movement, and electrically controlled means positioned on said frame to hold said member in its forward position, said electrically controlled means including means to release said member for bolt retraction and means to return said member to its forward position.

2,384,726

ETHER ESTERS

Donald Drake Coffman, Lindamere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 28, 1942, Serial No. 467,209

4 Claims. (Cl. 260-484)

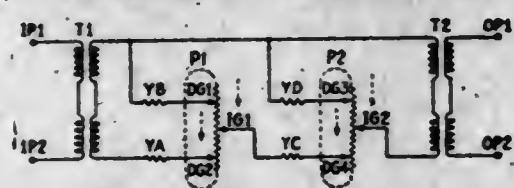
1. The process which comprises reacting methyl hydroxyacetate with vinyl acetate in the presence of mercuric phosphate at 70-100° C. and under anhydrous conditions.

2,384,727

AUTOMATIC ADJUSTING ARRANGEMENT FOR ELECTRICAL NETWORKS

Arthur Charles Corner, Calcutta, India, assignor to Automatic Telephone & Electric Company Limited, London, England, a British company
Application August 10, 1943, Serial No. 498,126
In Great Britain August 18, 1942

8 Claims. (Cl. 178-44)

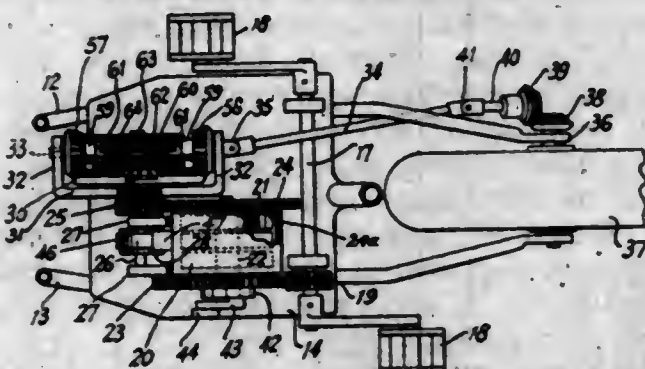


1. An electrical network adjusting arrangement comprising in combination a first switch provided with two brushes movable together in a circular path in one direction only, two banks of fixed contacts arranged to be engaged respectively by said brushes, a second switch provided with a brush movable in a circular path in one direction only, a bank of fixed contacts arranged to be engaged by said brush, a plurality of equal resistances connected together to form a closed ring, connections between the junction point of each pair of adjacent resistances and the fixed contacts of the two banks of the first switch and the bank of the second switch such that the two brushes of said first switch engage junction points a predetermined number of resistances apart, an input circuit connected across the two brushes of said first switch, an output circuit connected across one of the brushes of said first switch and the brush of said second switch, means for operating the brushes of said first switch over their associated fixed contacts to produce adjustment in one sense between said input and output circuits and means for operating the brush of said second switch over its associated fixed contacts to produce adjustment in the opposite sense between said input and output circuits.

2,384,728

VEHICLE

James H. Crumble, Brooklyn, N. Y.
Application April 27, 1944, Serial No. 532,958
5 Claims. (Cl. 280-215)



1. In a vehicle having a spring motor mounted thereon, said motor comprising a pair of spaced gears having a spring therebetween, one of said gears constituting a drive gear and having one end of said spring secured thereto, the other of

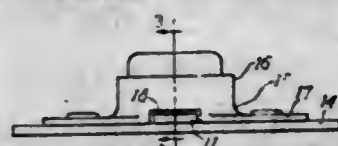
said gears having a shaft extending through said motor and having said drive gear loosely mounted thereon, the other end of said spring being anchored to said shaft, a pinion in mesh with said drive gear and having a shaft integral therewith, said pinion shaft having a bevel gear rigid thereon, a third shaft mounted adjacent the end of and at right angles to said second shaft and having bevel pinions loosely mounted thereon at the ends thereof in mesh with said bevel gear, a sleeve slidably mounted on said shaft between said bevel pinions, said sleeve having on the ends thereof clutch means for interlocking said sleeve selectively with said bevel pinions, a drive shaft operatively connected with one of said bevel pinions and one of the traction wheels of the vehicle, and means for shifting said sleeve selectively into engagement with either of said bevel pinions.

2,384,729

FLOATING NUT

Vene L. Darby, Inglewood, Calif., assignor to North American Aviation, Inc.
Application March 18, 1944, Serial No. 527,019

5 Claims. (Cl. 85-32)



2. A floating nut assembly including a nut having a body portion and ears extending laterally outwardly from said body portion, a retaining member for said nut, a supporting member to which said retaining member is secured, and notches in said retaining member to receive the laterally extending ears on the body portion, said notches being originally open and cooperating with the supporting member when the retaining member and the supporting member are secured together to confine the said laterally extending ears and hold the body portion of the nut against rotative movement beyond predetermined limits.

2,384,730

METHOD OF PREPARING CAST EXPLOSIVE CHARGES

Clyde O. Davis and William E. Kirst, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 7, 1943, Serial No. 497,853
5 Claims. (Cl. 52-22)

1. The method of preparing cast explosive charges, which comprises blending trinitrotoluene and wet pentaerythritol tetranitrate, raising the temperature of the mixture to a point where the trinitrotoluene becomes molten, removing the separated water from the surface of the blended charge and further reducing the water content by evaporation at an elevated temperature.

2,384,731

VULCANIZABLE ISOBUTYLENE-MONOVINYLACETYLENE SYNTHETIC RUBBER

Clarence England Denoon, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 1, 1942, Serial No. 437,278
7 Claims. (Cl. 260-86)

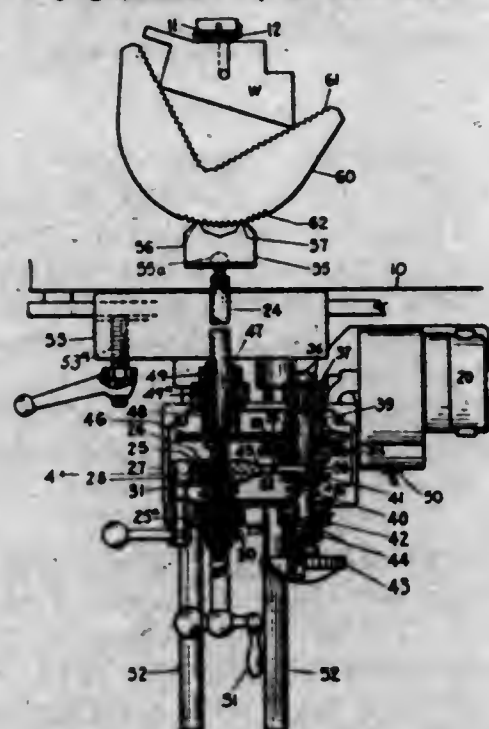
1. Process which comprises agitating, with exterior cooling at -78 to -100° C., an internally

refrigerated mixture of one part monovinylacetylene with three parts of isobutylene in contact with boron trifluoride as a catalyst.

2,384,732

FEED MECHANISM

William Ferdinand Ocenasek, South Plainfield, N. J., assignor to Walker-Turner Co. Inc., Plainfield, N. J., a corporation of New York
Application April 26, 1944, Serial No. 532,753
6 Claims. (Cl. 29-68)

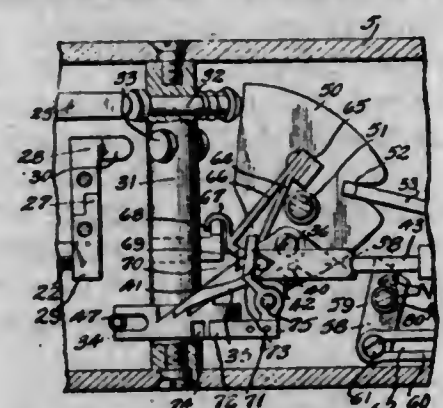


6. An apparatus of the nature disclosed combining a translatable holder adapted to support a member to be shifted, a rotatable and translatable feed screw connected with said holder for propelling same, a normally stationary but yieldable nut element cooperating with said feed screw, a feed screw rotator embodying a friction disc clutch mechanism, means for adapting said clutch mechanism normally to transmit a selected maximum torque including means for rendering said disc clutch mechanism selectively ineffective and effective at said selected torque setting, and means comprising a finger extending from said normally stationary nut and operable for compelling release of said clutch mechanism in response to a predetermined yield of said nut incident to a given increase in the resistance to translation encountered by said feed screw.

2,384,733

GAS GUN

Anthony Theodore Escobar, San Quentin, Calif.
Application September 11, 1942, Serial No. 458,001
7 Claims. (Cl. 42-51)



1. In a device of the character described, a tubular casing having a hand grip portion at one end and a barrel at its opposite end, explosive gas shells in the barrel, one behind the other, a firing means in the casing behind the barrel for exploding said shells sequentially and including a plurality of firing plungers, a rotatable support for the plungers, means for actuating the support in

a step by step movement to successively bring the plungers into firing position, and trigger means for actuating the plungers to effect firing of the firing means.

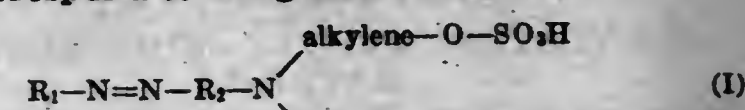
2,384,734

MIXTURES OF AZO DYESTUFFS

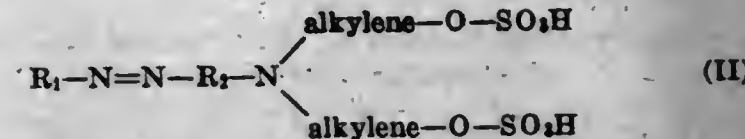
Friedrich Felix and Alphonse Heckendorn, Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application September 11, 1943, Serial No. 502,027. In Switzerland October 2, 1942

5 Claims. (Cl. 8-26)

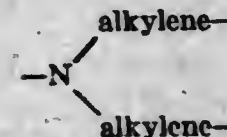
1. The mixtures of dyestuffs which in the free form correspond to the general formulas



and



wherein the proportion of the monoester (I) to the diester (II) is such that in 100 parts of dyestuff mixture the content of monoester (I) amounts to at least 50 per cent. and the content of diester (II) amounts to at the most 25 per cent., in which formulas R_1 and R_2 stand for aromatic nuclei of the benzene series which are free from hydroxyl, carboxyl and sulfonic acid groups, R_1 containing a nitro group standing in para-position to the $-N=N-$ group, and the $-N=N-$ and the

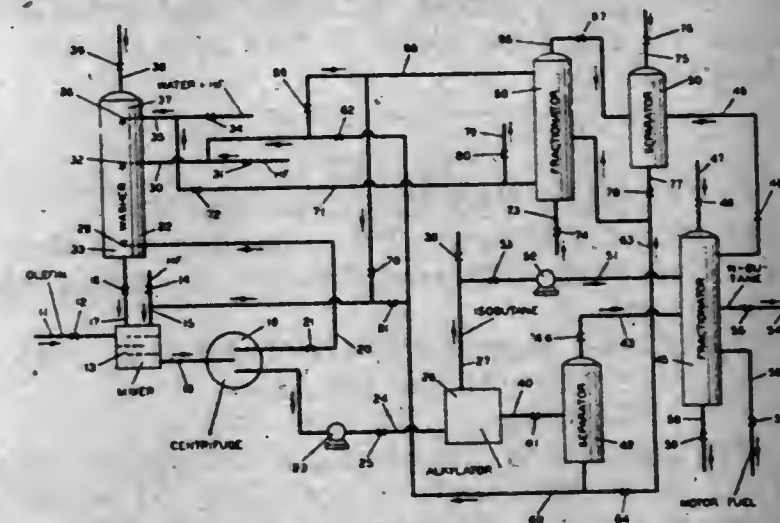


groups in R_2 standing in 1:4-position to each other, the term "alkylene" in the foregoing formulae signifying an alkylene containing not more than 4 carbon atoms.

2,384,735

ALKYLATION PROCESS

Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application February 7, 1942, Serial No. 429,962
7 Claims. (Cl. 260-683.4)



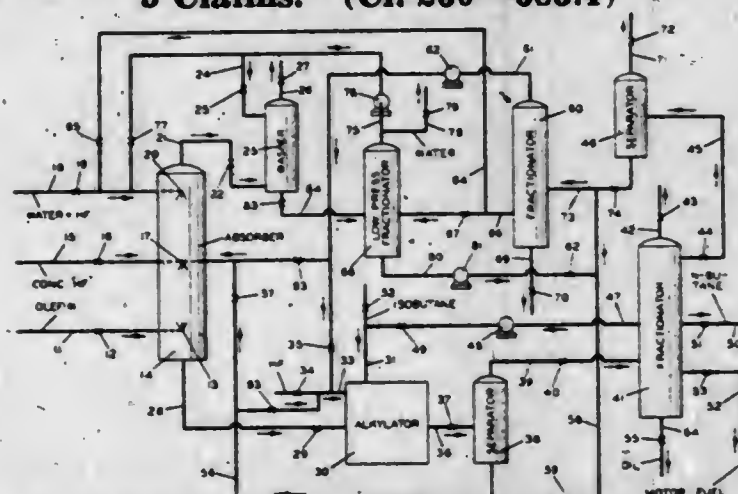
2. The process of removing olefins from a hydrocarbon material containing low-boiling olefin and paraffin hydrocarbons, which comprises contacting such an olefin-containing hydrocarbon mixture with liquid aqueous hydrofluoric acid having a hydrogen fluoride concentration in the range of 65 to 90 per cent by weight and with a ratio of hydrogen fluoride to olefin of at least 10:1 by weight, separating a resulting liquid hydrocarbon material containing low-boiling olefin and paraffin hydrocarbons, which comprises contacting such an olefin-containing hydrocarbon mixture with liquid aqueous hydrofluoric acid having a hydrogen fluoride concentration in the range of 65 to 90 per cent by weight and with a ratio of hydrogen fluoride to olefin of at least 10:1 by weight, separating a resulting liquid hydrocarbon material containing low-boiling olefin and paraffin hydrocarbons.

drofluoric acid phase and a resulting hydrocarbon phase containing minor amounts of organic fluorine compounds and free hydrogen fluoride, successively contacting said separated hydrocarbon phase with liquid hydrofluoric acid to remove said organic fluorine compounds and with highly aqueous hydrofluoric acid to remove free hydrogen fluoride, and adding resulting extract phases to concentrated hydrofluoric acid to form the aforesaid aqueous hydrogen fluoride having a concentration of 65 to 90 per cent by weight and recovering as effluents of said process an olefin-free hydrocarbon material and an aqueous liquid hydrofluoric acid containing dissolved olefins.

2,384,736

ALKYLATION WITH GASEOUS OLEFINIC MATERIAL

Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 3, 1942, Serial No. 433,204
5 Claims. (Cl. 260-683.4)



3. A process for removing olefins from an olefin-containing hydrocarbon gas which comprises passing a gaseous olefin-paraffin mixture to a low point of an absorption zone, passing to a high point of said absorption zone as an absorption liquid aqueous hydrofluoric acid containing substantially less than 65 per cent by weight of hydrogen fluoride, passing to an intermediate point of said absorption zone concentrated liquid hydrofluoric acid in an amount such that the amount of hydrogen fluoride in the absorption liquid initially contacting said hydrocarbon gas is between 65 and 90 per cent by weight, removing from the top of said absorption zone unabsorbed olefin-free hydrocarbon gases and washing said olefin-free hydrocarbon gases with water to remove residual hydrogen fluoride, and recovering a paraffinic gas free from olefins as a product of the process.

2,384,737

CATALYST PRODUCTION

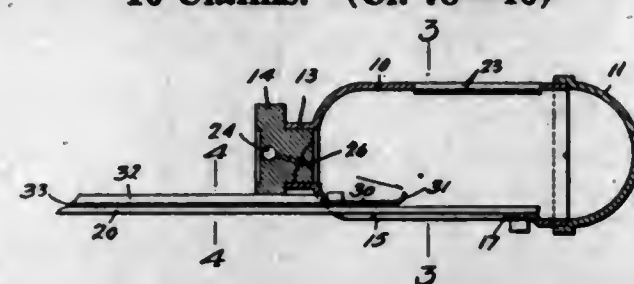
Fritz O. Haas, Villanova, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 5, 1941, Serial No. 421,743
5 Claims. (Cl. 252-253)

1. The method of preparing a chromium oxide catalyst which comprises reacting, in aqueous solution, a soluble dichromate salt of the group consisting of sodium, potassium, and ammonium dichromate and a sulfite from the group consisting of sodium, potassium, and ammonium sulfite at a temperature sufficiently high and for a sufficient length of time to reduce the dichromate to chromium oxide as a dark gelatinous precipitate, and washing and drying said precipitate to form dark vitreous masses suitable for use as dehydrogenation catalysts.

2,384,738

RIVET MAGAZINE

Frank M. Harvey, Buffalo, N. Y., assignor, by mesne assignments, to Thomas H. Speller, Buffalo, N. Y.
Application August 5, 1943, Serial No. 497,520
10 Claims. (Cl. 78-46)

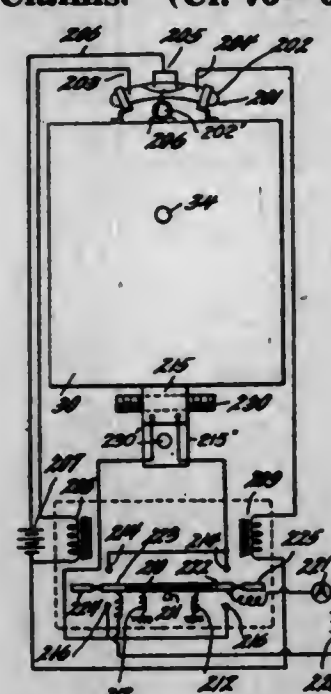


1. A rivet magazine, comprising a stationary shell positioned to have its axis inclined, spaced rivet guides arranged longitudinally of the axis of the shell and exposed at the bottom thereof, and intermittently operated pneumatic jet means operable within said shell for scattering the rivets within the shell, whereby some of the rivets will be deposited at the bottom of the shell and received within the space between the guides.

2,384,739

GEOPHYSICAL PROSPECTING APPARATUS

Arthur F. Hasbrook, San Antonio, Tex., assignor to Olive S. Petty, San Antonio, Tex.
Original application March 18, 1943, Serial No. 479,631. Divided and this application February 9, 1944, Serial No. 521,665
5 Claims. (Cl. 73-382)



1. Apparatus for geophysical prospecting on the floors of bodies of water comprising, in combination, a water-tight housing, means to support the same rigidly on such floor, a geophysical instrument in said housing, gimbals supporting the instrument for substantial self-leveling within the housing, means carried by said instrument to detect out-of-level conditions thereof, a weight carried by said instrument and movable to positions to correct the balance and level of the casing, and devices responsive to the detecting means on occurrence of out-of-level conditions for displacing said weight to cause the instrument to swing in said gimbals to a level position.

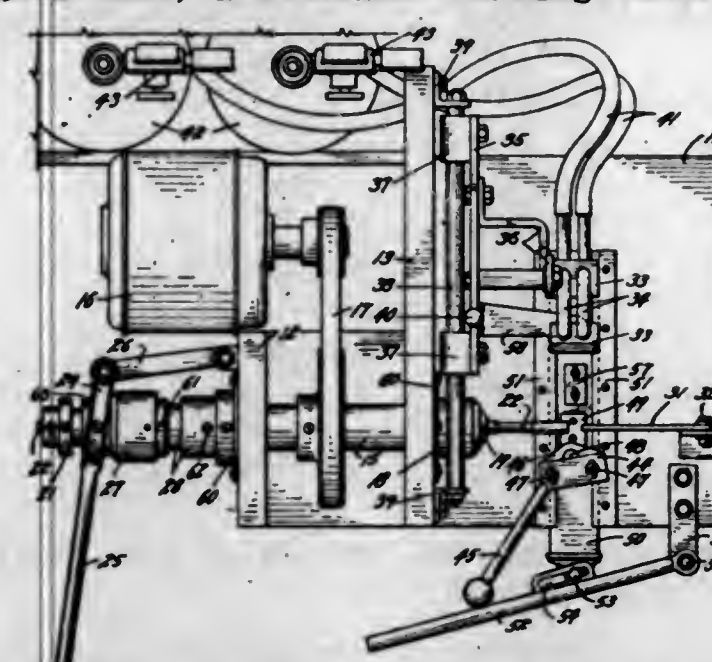
2,384,740

WELDED TUBE CLOSURE MACHINE

William W. Heckethorn, Littleton, Colo., assignor to Heckethorn Manufacturing & Supply Co., Littleton, Colo., a corporation of Colorado
Application August 2, 1943, Serial No. 497,113
5 Claims. (Cl. 78-89)

1. A machine for closing and welding the extremity of a tube comprising: a rotating man-

drel; a tube gripping collet surrounding and rotating with said mandrel to hold the tube thereabout, said tube projecting beyond the extremity of said mandrel; a heating torch; movable means supporting said torch so that it may be brought to a position opposite the projecting extremity of said tube; a rotatable forming block; and

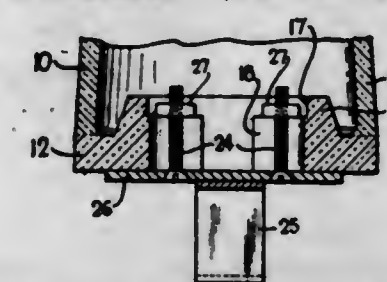


movable means supporting said forming block so that it may be brought into contact with and rotated about the heated projecting extremity of said tube; the torch support and the block support each serving to shift the other out of an operative position as it is moved towards an operative position.

2,384,741

HOLLOW FORM

Rayburn W. Hemphill, Akron, Ohio, assignor to The Colonial Insulator Company, Akron, Ohio, a corporation of Ohio
Application November 16, 1944, Serial No. 563,777
4 Claims. (Cl. 18-41)



2. A form for use in the manufacture of dipped goods comprising a hollow ceramic body, a ceramic slab extending across the open end of the body, a clip and securing bolts for the clip, an integral enlargement on the inner face of the slab and projecting into the body, the upper portion of the enlargement being provided with a recess, the walls of which are adapted to contact clamping means associated with the securing bolts, said enlargement being provided with a relatively narrow elongated slot substantially co-extensive with the recess and communicating with the recess, said slot being adapted to receive the stems of the bolts and providing ledges on either side thereof to act as abutments for the clamping means, said slot having a centrally located portion of sufficient width to permit the insertion of the clamping means.

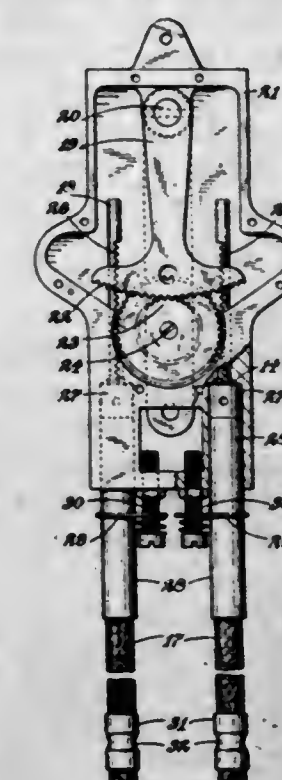
2,384,742

MECHANISM FOR TRANSMITTING LINEAR OR ROTARY MOVEMENT

Norman Ebenezer Hewitt, Sunbury-on-Thames, England
Application October 25, 1943, Serial No. 507,584
In Great Britain June 26, 1942
2 Claims. (Cl. 74-110)

1. A mechanism for transmitting linear movement in both directions having in combination

two parallel flexible sheaths, a series of alternating metal balls and distance pieces with concave ends longitudinally slidably positioned in each sheath, two casings, one at each end of said sheaths, the sheaths, being fixed against axial movement in relation to said casings, a lever pivoted in each casing, and operative connections between each lever and the appropriate ends of

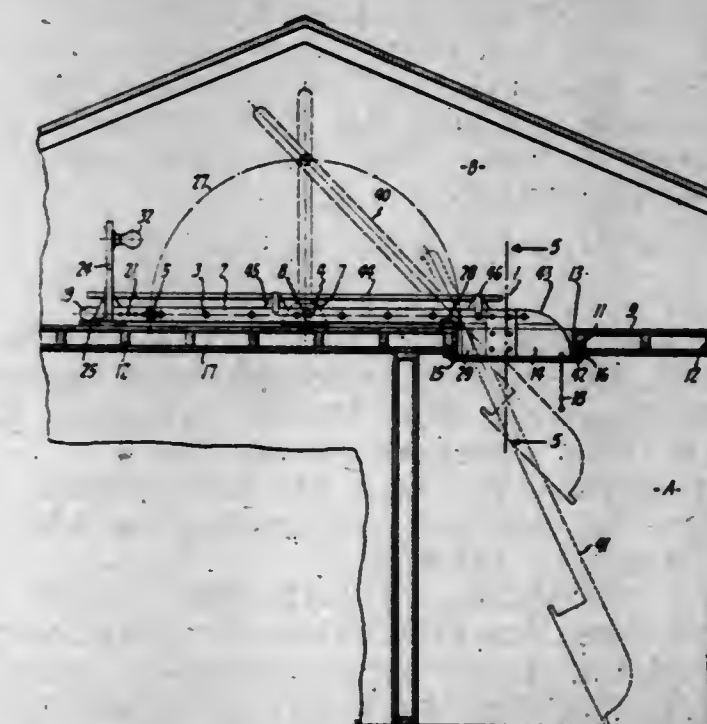


the two series of metal balls and distance pieces, whereby the balls and distance pieces of both series are maintained in compression, the metal balls and distance pieces forming a continuous series and each casing having a helical channel around which the series passes, each casing having a lever secured to a shaft coaxial with the helix and having screw engagement with the casing.

2,384,743

LADDER

Charles A. Hill, Oakland, Calif., assignor to William C. Frost, San Francisco, Calif.
Application April 28, 1942, Serial No. 440,789
5 Claims. (Cl. 228-50)

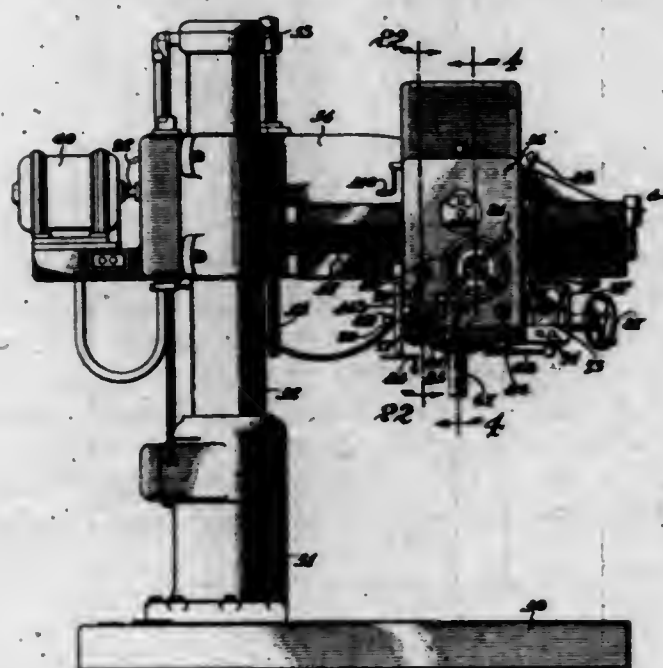


1. In combination with an upper story floor having an opening therein; a generally horizontally extending ladder over said floor with its foot end adjacent said opening and with its head end remote from said opening, said ladder being tiltable about a horizontal axis at the edge of said opening and slidable transversely of said axis through said opening with its foot end fore-

most when said foot end of the ladder is pulled downwardly through said opening; guide means secured to said ladder for guiding the head end of said ladder to and from said opening in a predetermined arcuate path when said ladder is so tilted and is moved downwardly through said opening and when said ladder is returned through the opening to its normal, generally horizontal position; means adjacent the head end of said ladder free from securement thereto but engageable therewith for guiding the head end of said ladder to its position remote from said opening when said ladder is moved from said opening to its normal, generally horizontal position over said floor.

2,384,744

DRILL SPINDLE DRIVING MECHANISM
William G. Hoelscher, Cincinnati, Ohio, assignor to The American Tool Works Company, Cincinnati, Ohio, a corporation of Ohio
Application July 28, 1939, Serial No. 287,132
11 Claims. (Cl. 77-28)



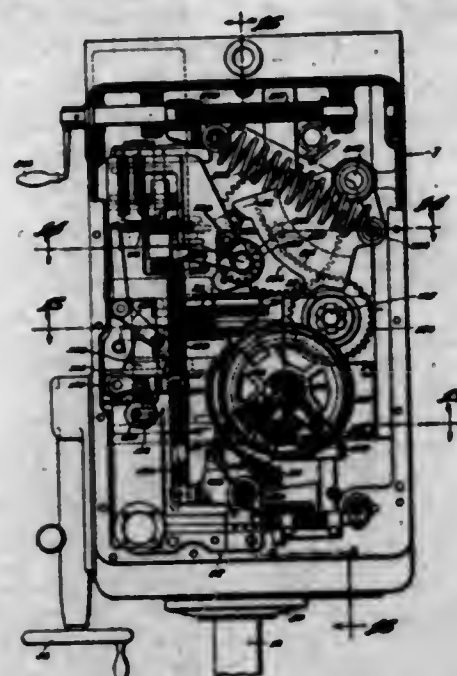
1. In a radial drill having, a drive shaft and a drill spindle; a variable speed transmission for said spindle comprising, a cluster of three gears, means for shifting said cluster into two positions, gear clusters component thereto and means for shifting one of said gear clusters either into two intermesh positions relative to said cluster of three gears or shifting the same unitarily with said cluster of three gears when said cluster of three gears is shifted.

2,384,745

DRILL SPINDLE DRIVING MECHANISM
William G. Hoelscher, Cincinnati, Ohio, assignor to The American Tool Works Company, Cincinnati, Ohio, a corporation of Ohio
Original application July 28, 1939, Serial No. 287,132. Divided and this application May 28, 1943, Serial No. 488,856
7 Claims. (Cl. 77-33)

1. In a head for a radial drill, including the drill spindle and the source of power, a single bracket fixed within the head, a feed gear train mounted in said bracket for translating said spindle, means for declutching the gear train, means carried by the feeding mechanism for operating said declutching means at a predetermined point, a rack and gear for translating the spindle, said gear driven by said gear train, a spring urged gear segment in mesh with a gear carried by the rack gear and counterweighting the rack gear, and dogs on said segmental gear

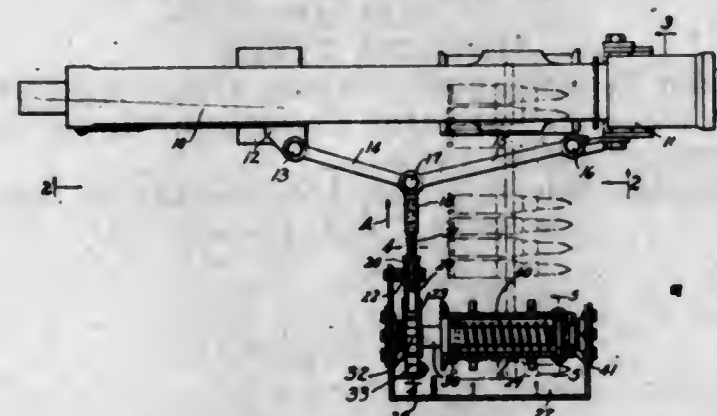
for stopping the feed at the upper and lower limits of spindle travel, all of said parts, with



the exception of the segmental gear, carried by said single bracket.

2,384,746

RECOIL OPERATED AMMUNITION FEED FOR MACHINE GUNS
Daniel E. Holloway, Inglewood, Calif., assignor to North American Aviation, Inc., Inglewood, Calif., a corporation of Delaware
Application December 15, 1941, Serial No. 422,976
5 Claims. (Cl. 89-33)



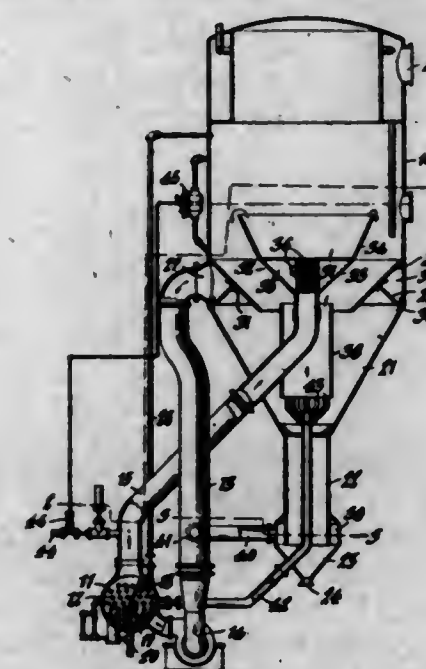
1. In combination, a mount, a gun carried by said mount for movement about a single axis with respect to said mount and having a part movable in response to gun recoil and counter recoil, movable ammunition feeding mechanism fixed to the mount in spaced relation to the gun along said single axis, means connecting the movable part and the feeding mechanism for feeding ammunition to the gun, said last-named means having an element disposed for sliding movement along said single axis about which the gun is adapted to move.

2,384,747

CRYSTALLIZING EVAPORATOR
John Stanley Hughes, Buffalo, N. Y., assignor to Zaremba Company, Buffalo, N. Y., a corporation of Maine
Application May 13, 1942, Serial No. 442,783
12 Claims. (Cl. 159-45)

1. A crystallizing evaporator, comprising a container for the solution to be crystallized, means disposed in superposed relation below the solution-level and spaced from the container wall for defining substantially concentric circulating zones including companion inner chambers for the upward circulation of the solution and companion outer chambers for the downward circulation of the solution, the respective chambers being in communicating relation, pipes

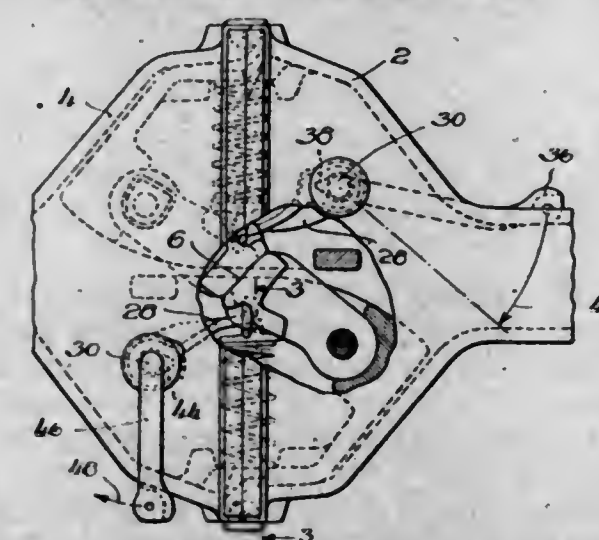
for conveying solution to the lower ends and substantially centrally of said inner chambers, respectively, means surrounding and interposed between the discharge ends of said conveying pipes and the opposing ends of said inner chambers for controlling the flow of solution thereto and for inducing circulation upwardly in the inner chambers and downwardly in the outer



chambers, a crystal-receiving section depending from the bottom of the container in communication with the lower circulating zone thereof and into which the crystals resulting from the treated solution are adapted to gravitate, and means for inducing a circulation of the solution upwardly through said section for returning small-sized crystals to the lower circulating zone for recirculation.

2,384,748
COUPLER

Edmund P. Kinne and Frank H. Kayler, Alliance, Ohio, assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application October 23, 1943, Serial No. 507,382
13 Claims. (Cl. 213-104)



9. In an automatic tight lock coupling, mating coupler heads having pivoted locks with locking faces for abutment with each other and unlocking means for each coupler comprising an operating arm pivotally connected to the associated lock and having a lockset shoulder for engagement with the mating coupler, and actuating means for said arm comprising a cam pivoted in the associated head and engageable with said arm adjacent said lock connection, for rotation thereof about its pivotal connection with the associated lock to disengage said arm from an anti-creep on the associated coupler, said cam being further operable to move said arm linearly and cause its engagement with lockset means on the mating coupler head.

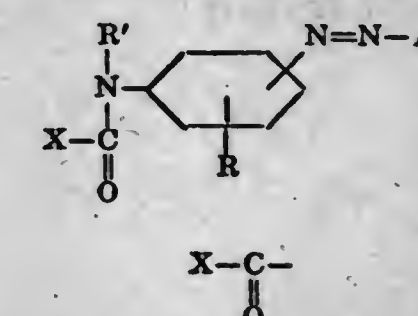
2,384,749

MONOAZO DYESTUFFS

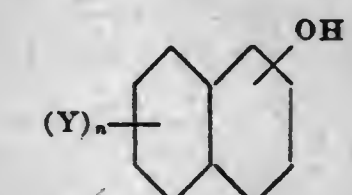
Arthur Howard Knight, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application August 4, 1941, Serial No. 405,445. In Great Britain August 5, 1940
5 Claims. (Cl. 260-163)

1. An azo dye containing at least one sulfonic acid group which is represented by the formula



is a haloalkyl group having 1 to 3 carbons in the X group wherein the halogen atom is from the group consisting of chlorine and bromine; R is one of a group consisting of hydrogen, methyl, methoxy and sulfonic acid; R' is one of a group consisting of hydrogen, alkyl having 1 to 4 carbons, cyclohexyl, methyl-cyclohexyl, phenyl-R and benzyl; and A is the residue of an azo dye coupling component of the group consisting of aryl-pyrazolones of the benzene and naphthalene series and naphthols represented by the formula



wherein Y is from a group consisting of hydrogen and sulfonic acid and n is an integer not greater than 2.

2,384,750

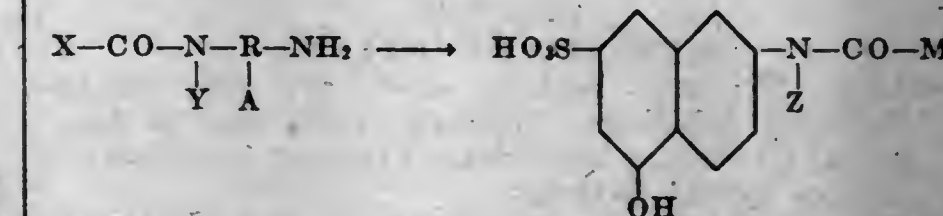
MONOAZO ACID DYESTUFFS

Arthur Howard Knight and William Elliot Stephen, Blackley, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application September 17, 1942, Serial No. 458,732. In Great Britain October 8, 1941

5 Claims. (Cl. 260-199)

1. A monazo dye which in the form of its acid is represented by the formula



wherein X is a mono-halogeno-alkyl group having not more than 3 carbons in which halogen is one of the group consisting of chlorine and bromine; Y is one of a group consisting of hydrogen, alkyl having 1 to 6 carbons, lower alkoxyalkyl, cyclohexyl, benzyl and phenyl; -R-NH₂ is an aryl nucleus of the group consisting of anilino and toluidino which is substituted in the meta- or para-position by the group X-CO-NY; A is one of a group consisting of hydrogen and sulfonic acid; Z is one of a group consisting of hydrogen, lower alkyl and phenyl; and M is a lower alkyl group.

2,384,751

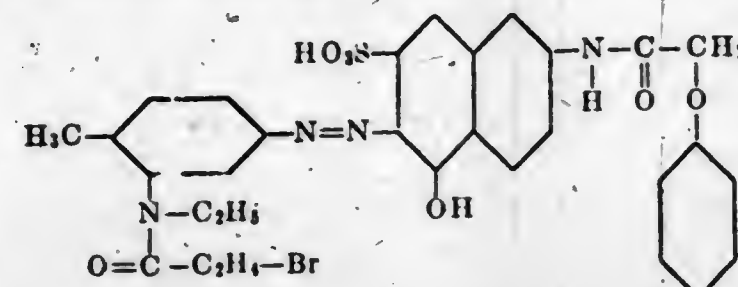
MONOAZO ACID DYESTUFFS

Arthur Howard Knight and William Elliot Stephen, Blackley, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application September 17, 1942, Serial No. 458,733. In Great Britain October 8, 1941

1 Claim. (Cl. 260—199)

The azo dye which in the form of its acid is represented by the formula



2,384,752

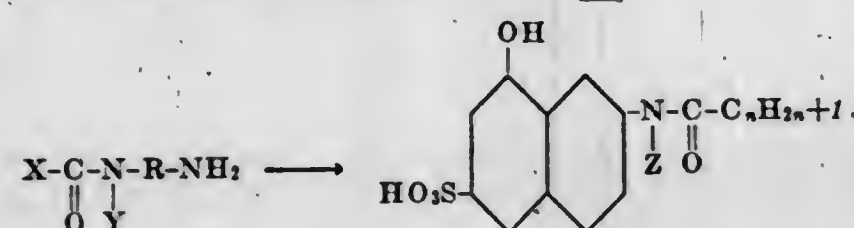
MONOAZO DYESTUFFS

Arthur Howard Knight and William Elliot Stephen, Blackley, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application December 22, 1942, Serial No. 469,844. In Great Britain December 22, 1941

5 Claims. (Cl. 260—199)

1. A monazo dyestuff which in the form of its acid is represented by the formula



wherein —R—NH₂ is an arylene nucleus of the group consisting of anilino, toluidino and anisidino nuclei substituted in the meta- or para-position by the group X—CO—NY—; X is a mono-halogenoalkyl group having 1 to 3 carbons in which halogen is one of the group consisting of chlorine and bromine; Y is one of the group consisting of hydrogen, lower alkyl, benzyl, cyclohexyl, lower alkoxyalkyl and phenyl; Z is one of the group consisting of hydrogen, lower alkyl, lower mono-hydroxyalkyl and phenyl; and n is 1 to 3.

2,384,753

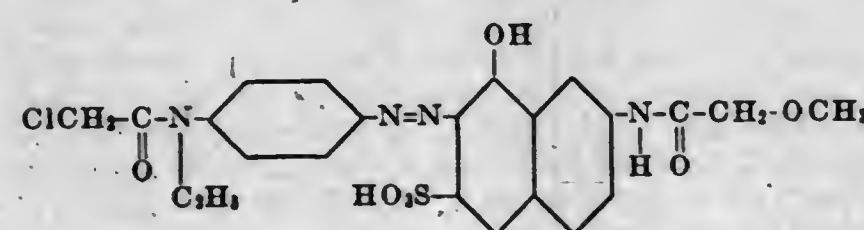
MONOAZO DYESTUFFS

Arthur Howard Knight and William Elliot Stephen, Blackley, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application December 22, 1942, Serial No. 469,845. In Great Britain December 29, 1941

1 Claim. (Cl. 260—199)

The monazo dyestuff which in the form of its acid is represented by the formula



2,384,754

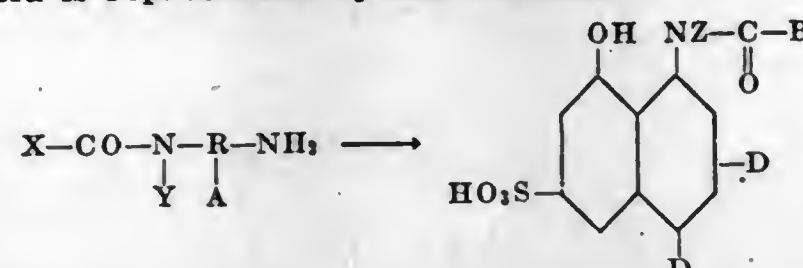
MONOAZO DYESTUFFS

Arthur Howard Knight and William Elliot Stephen, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application January 14, 1943, Serial No. 472,400. In Great Britain February 2, 1942

5 Claims. (Cl. 260—199)

1. A monazo dyestuff which in the form of its acid is represented by the formula



wherein —R—NH₂ is an arylene nucleus of the group consisting of anilino, toluidino and anisidino; A is one of the group consisting of hydrogen and sulfonic acid; X is a mono-halogenoalkyl group having 1 to 3 carbons in which halogen is one of the group consisting of chlorine and bromine; Y is one of the group consisting of hydrogen and alkyl having 1 to 6 carbons; Z is one of the group consisting of hydrogen and lower alkyl; B is lower alkyl; and one D is hydrogen and the other D is one of the group consisting of hydrogen and sulfonic acid; said compound being devoid of a carboxyl group ortho to the azo bridge.

2,384,755

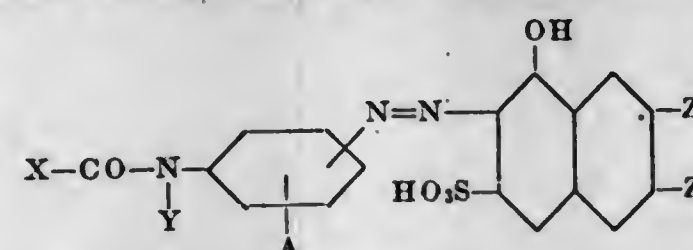
MONOAZO DYESTUFFS

Arthur Howard Knight, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application February 11, 1943, Serial No. 475,537. In Great Britain February 11, 1942

4 Claims. (Cl. 260—199)

1. An azo dyestuff represented by the formula



wherein the diazo component is devoid of hydroxyl and carboxyl groups in ortho position to the primary amino group; X represents a mono-halogeno-alkyl radical having 1 to 4 carbons; Y represents one of the group consisting of hydrogen, alkyl having 1 to 4 carbons, lower alkoxyalkyl, phenyl, benzyl and cyclohexyl; A represents one of the group consisting of hydrogen, alkyl, alkoxy and sulfonic acid; one Z is hydrogen and the other is an omega halogen acylamino radical of the group consisting of omega halogen acetyl amino and omega halogen propionyl amino wherein the amino nitrogen is substituted by one of a group consisting of hydrogen, alkyl and hydroxyethyl.

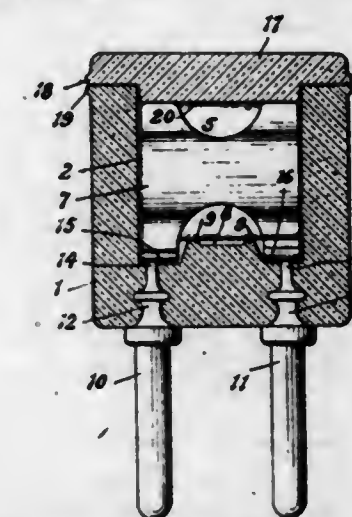
2,384,756

CRYSTAL

Walter E. Kuenstler, Cliffside Park, N. J. Application September 2, 1944, Serial No. 552,487 15 Claims. (Cl. 171—327)

1. In a crystal assembly, a housing having a recess, a crystal and electrodes located in said

recess, a contact pin having a part projecting into the recess, a resilient plate member imposing pressure against the crystal and electrodes, said plate having a part urged resiliently against the portion of the contact pin located in

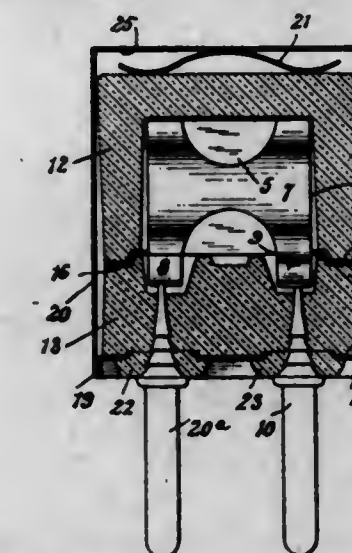


the recess, a part of the housing being operative against the plate member to cause the same to exert pressure against the crystal and electrodes and to cause the pin-contacting part to be urged toward the pin.

2,384,757

CRYSTAL HOLDER

Walter E. Kuenstler, Cliffside Park, N. J. Application November 15, 1944, Serial No. 563,600 10 Claims. (Cl. 171—327)

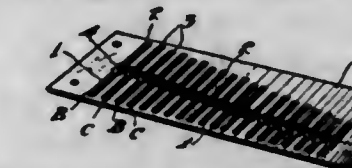


1. In a crystal assembly, a holder having an inner casing composed of insulating material, said casing being composed of at least two parts fitting together, an outer housing of metal provided with an interior spring operative against one of the parts of the casing to urge said part toward the other part of the casing.

2,384,758

CHROMATIC HARMONICA

Finn H. Magnus, West Caldwell, N. J., assignor to International Plastic Harmonica Corporation, Newark, N. J., a corporation of New Jersey Application June 25, 1942, Serial No. 448,339 19 Claims. (Cl. 84—377)

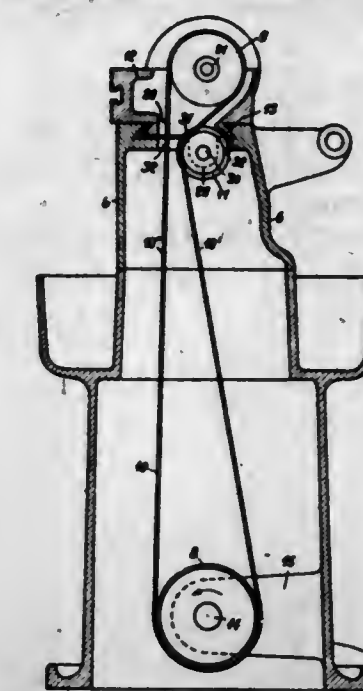


1. A harmonica comprising a reed plate, a plurality of pairs of reeds mounted on said plate, each pair comprising a "blow" reed and its corresponding "draw" reed arranged in longitudinal alignment with each other, and a body having a separate wind cell at one side of said reed plate and a separate sound cell at the other side of said reed plate for each pair of reeds.

2,384,759

BELT DRIVE DEVICE

Jacques Mancin and Georges Mègel, Moutier, Switzerland, assignors of one-half to Usines Tornos Fabrique De Machines Moutier S. A., Moutier, Switzerland Application March 17, 1944, Serial No. 526,958 In Switzerland February 9, 1943 4 Claims. (Cl. 74—219)

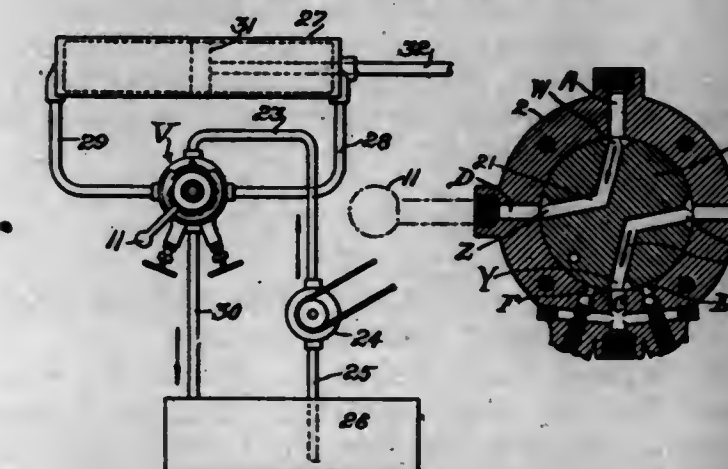


1. A belt drive device for driving a shaft located in a movable slide-member, in which a drive pulley drives a driven pulley by means of an endless belt the two sections of which pass through a single aperture located in said slide-member, comprising in combination on the slide-member a deflecting pulley having guide flanges and over which passes one of the belt sections, the driven pulley having preferably no guide flanges.

2,384,760

FLUID-PRESSURE OPERATED APPARATUS

Edward Matulionis, Bridgeport, Conn. Application April 13, 1945, Serial No. 588,177 4 Claims. (Cl. 121—45)



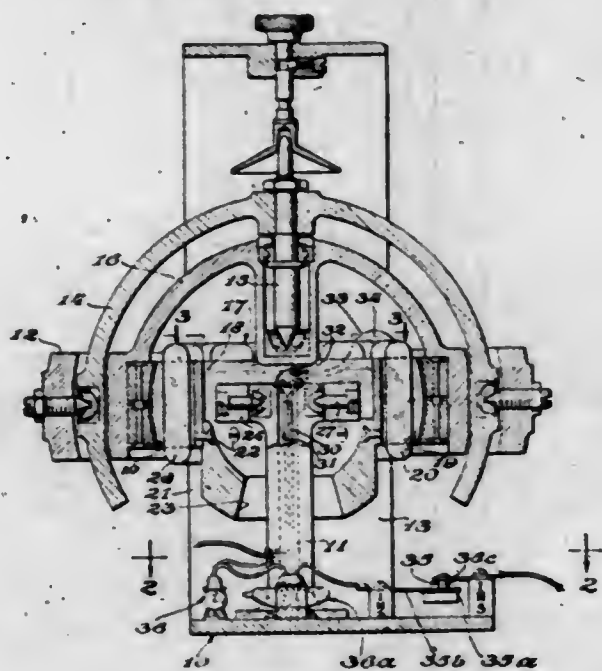
1. A fluid-pressure operated apparatus having, in combination, a cylinder; a piston within said cylinder; a source of fluid under pressure; a control valve comprising a body made with a chamber and having four ports communicating with said chamber at the quarters thereof including a supply port connected with said source, two oppositely disposed service ports connected with the interior of the cylinder adjacent to the opposite ends thereof, and a main exhaust port disposed opposite said supply port, and also having two constricted supplemental exhaust ports whose inlet ends communicate with said chamber at opposite sides of and in proximity to said main exhaust port and a valve plug rotatably mounted within said chamber made with two ports extending transversely therethrough with their opposite ends disposed at the quarters of said valve plug to cooperate with the ports of said body.

each of said constricted supplemental exhaust ports serving to occasion a speed-reducing and piston-steadying back pressure upon the exhaust side of said piston when said plug is adjusted to shift the outlet end of one of said plug ports away from said main exhaust port and into register with the inlet end of said supplemental exhaust port while the piston is in motion.

2,384,761

GYRO-VERTICAL

Thomas O. Mehan, Park Ridge, Ill., assignor to Victor Adding Machine Co., Chicago, Ill., a corporation of Illinois
Application November 10, 1943, Serial No. 509,939
11 Claims. (Cl. 74-5)



1. In a gyro-vertical, a universally mounted gyroscope rotor having a normally vertical spin axis, a stator universally mounted independently of said rotor, electrical means for spinning said rotor about its normally vertical spin axis including a rotating field carried by the stator, a working current for said field, gravitationally responsive means effective to normally hold the stator in horizontal position, and gravitationally responsive cut-off means for said working current operative to de-energize said rotating field during angular tilt of said stator.

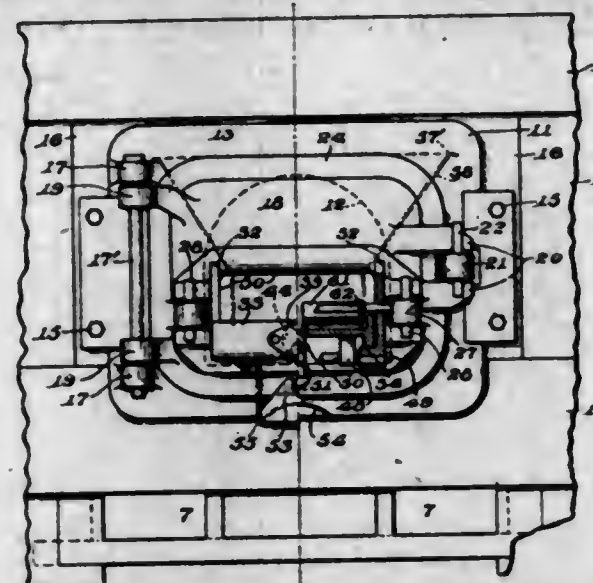
2,384,762

MECHANICAL STOKER FOR KILNS AND THEIR MOUNTINGS

Fred M. Miller, Bala-Cynwyd, Alfred C. Shape, Upper Darby, and William H. McClelland, Wynnewood, Pa., assignors to General Refractories Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 29, 1943, Serial No. 489,258
2 Claims. (Cl. 110-32)

1. The combination of a kiln having a firing opening, with a frame element comprising a peripheral flange extending into said kiln opening and surrounding an opening in said frame, a planular flange limiting the movement of said first flange inwardly of said kiln opening, and an outwardly extending peripheral flange surrounding said frame opening; a hollow closure for said frame opening hingedly supported by said frame, comprising a peripheral flange extending loosely into said frame opening, and a planular flange sealing the space between said last-mentioned flange and the outwardly extending flange of said frame; said closure also having an opening; a stoker-supporting member demountably carried by said closure, and having an

elongated peripheral flange extending through said closure opening substantially to the plane of the inner edges of the peripheral flange of said

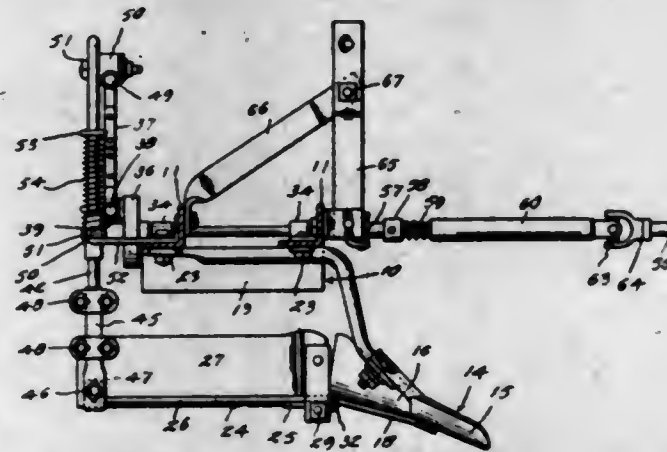


closure; and heat-insulating material substantially filling said closure above and upon the opposite sides of said elongated flange.

2,384,763

PEANUT DIGGER AND SHAKER

Burley Mooney and Jess G. Mooney, Stonewall, Okla., assignors to Turner Manufacturing Company, Statesville, N. C., a corporation of North Carolina
Application January 5, 1944, Serial No. 517,086
4 Claims. (Cl. 55-141)



1. A machine of the class described having a frame, a plow carried by said frame, a sifter hinged in the rear of the plow to receive the product dug by the latter, means mounted on the frame operable to shake the sifter comprising a second frame attached to the sifter, a driven shaft on the first frame, an eccentric on said shaft and connected to the second frame bearings on the frame in which the second-mentioned frame slides, said second-mentioned frame having adjustable parts to enable variation in the throw of the sifter.

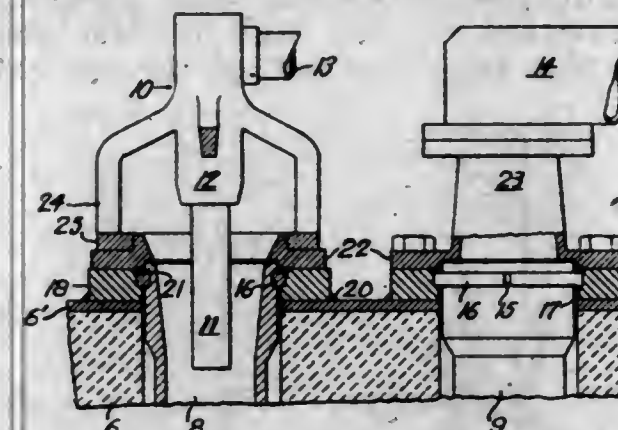
2,384,764

FURNACE

Theodore W. Munford, Ottawa Hills, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of Ohio
Application December 3, 1942, Serial No. 467,816
2 Claims. (Cl. 285-30)

1. The combination with a furnace chamber and a combustion tube therein which projects out of the chamber through a bore in a wall of said chamber, of means for interconnecting said tube and wall at the bore comprising an annular key of greater external diameter than the diameter of said bore, an exterior circumferential groove in the projecting end of the tube wherein said key is removably confined, a seat

on the outer side of said wall about said bore for engagement with the projecting portion of

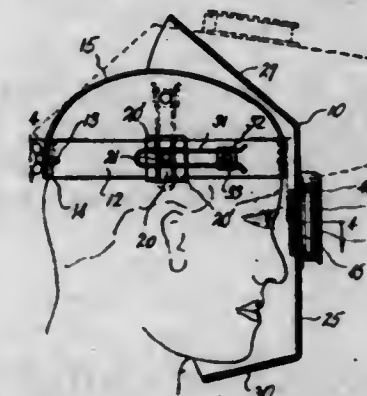


said key, and means for holding the projecting portion of said key to said seat.

2,384,765

WELDER'S HELMET

Joe O'Reilly, Tacoma, Wash.
Application June 19, 1943, Serial No. 491,452
2 Claims. (Cl. 2-8)



1. In a welder's mask of the character described, a head band, a block fixed to the head band at a side thereof, having a substantially flat outer face, a pivot stud extending from the block at a central location of the said face, two pairs of grooves formed across the face of the block substantially in right angular relationship to each other and with paired grooves passing on opposite sides of the pivot stud, a face shield having a side wall pivotally receiving the stud therethrough for raising and lowering movement of the shield, and a spring clip comprising a single piece of spring wire bent in an elongated U-form with the ends of the wire fixed rigidly to the side wall of the shield and with the looped end portion of the clip receiving the stud therethrough, and with the two legs of the loop yieldingly engaging against the grooved face of the block and adapted to seat in paired grooves to determine the raised and lowered positions of the shield and to yieldingly retain it at either of said positions.

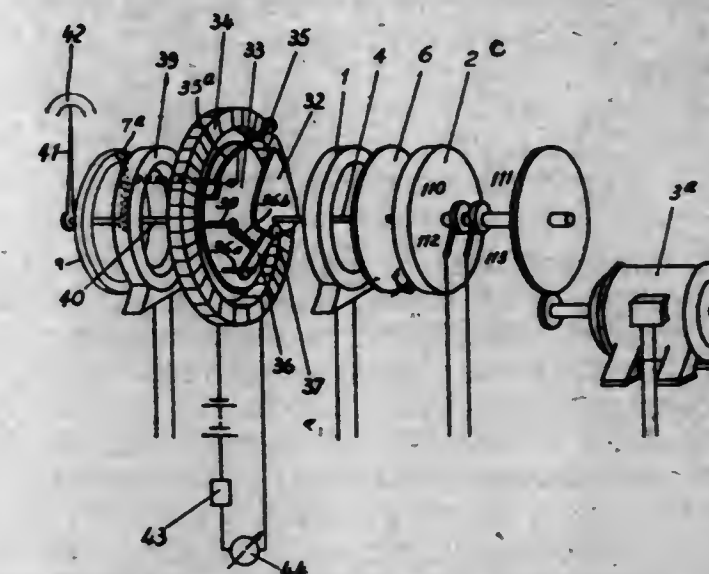
2,384,766

ECHO-SOUNDING DEVICE WITH ARRESTED INDICATORS

Peter Orlich and Hans Hartz, Kiel, Germany; vested in the Allen Property Custodian
Application July 19, 1939, Serial No. 285,310
In Germany July 26, 1938
3 Claims. (Cl. 177-386)

1. The combination with an echo-sounding device having a rotatable measuring element, means for simultaneously emitting a sound and setting said measuring element in rotation at a definite speed, echo-controlled means for stopping the rotation of said measuring element, and means operative after an interval following the stopping of said measuring element for resetting the latter to a starting position; of remote indicating means including follower means controlled

by said measuring element and tending to follow the movements thereof, means extending in axial alignment with respect to said follower means, said means adapted to hold, said follower means at least approximately stationary while said measuring element is moving, and means for releasing said follower means from said holding means in

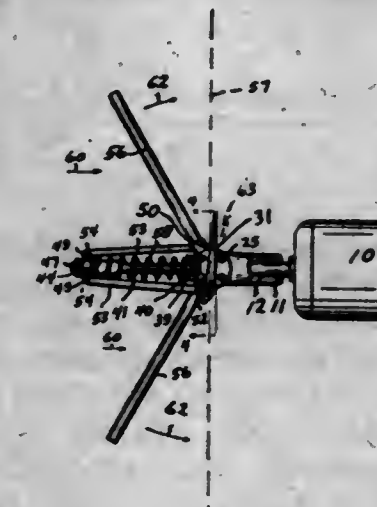


the interval between the stopping and resetting of said measuring element, to allow said follower means to assume a position corresponding to that in which said measuring element has been stopped, a remote indicator and means whereby said indicator repeats the positions of said follower means.

2,384,767

WIND IMPELLER GOVERNOR

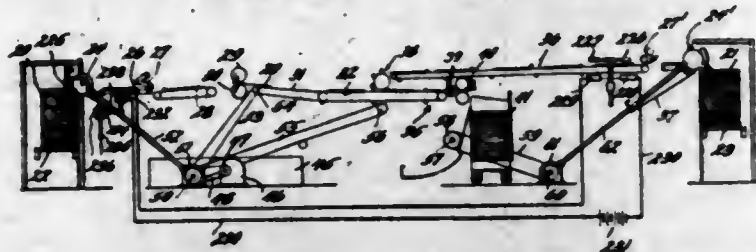
John Prince, Sioux City, Iowa, assignor of one-half to A. P. Nelson, Spencer, Iowa
Application February 4, 1943, Serial No. 474,642
1 Claim. (Cl. 170-68)



A governing device for wind impeller blades comprising a shaft driven by said blades, a plurality of fixed shafts extending radially therefrom, sleeves journaled on said fixed shafts, said impeller blades being attached to said sleeves, centrifugal means for urging said sleeves rotatably about said fixed shafts, said shaft including an extension thereof, a collar slidably engaged with said extension, links connecting said collar and said sleeves to provide synchronous turning thereof, said impeller blades being normally pitched at a starting pitch, said centrifugal means adapted to swing said blades to a greater angular position with respect to the plane of rotation thereof to provide a reduced area for wind action thereagainst, a compression spring positioned between said collar and said shaft to provide resisting movement of said centrifugal means, said centrifugal means including lengthened weighted bars rigidly attached to said sleeves, said bars being normally positioned at a substantial angle to the plane of rotation of said impeller blades.

2,384,768

APPARATUS FOR COMBINING SHEETS
Harry A. Rau, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application June 26, 1941, Serial No. 399,947
10 Claims. (Cl. 154-36)



1. In combination, a machine for adhesively uniting paper and metal sheets, a paper sheet feeder spaced therefrom, a metal sheet feeder spaced therefrom, a conveyor between each sheet feeder and said machine, means for projecting a beam of light across one of said conveyors, light sensitive cell means positioned to be energized by the absence of a sheet in normal position on the last-mentioned conveyor, and means controlled by said cell means for rendering inoperative the sheet feeder associated with the other conveyor, whereby no sheet will be delivered by the latter feeder to the associated conveyor in the position corresponding to the position on the other conveyor of the absent sheet thereon.

2,384,769

REAR WINDOW DEHYDRATOR FOR AUTOMOBILE BODIES
George Ray, McGraw, N. Y.
Application March 7, 1944, Serial No. 525,471
4 Claims. (Cl. 98-2)



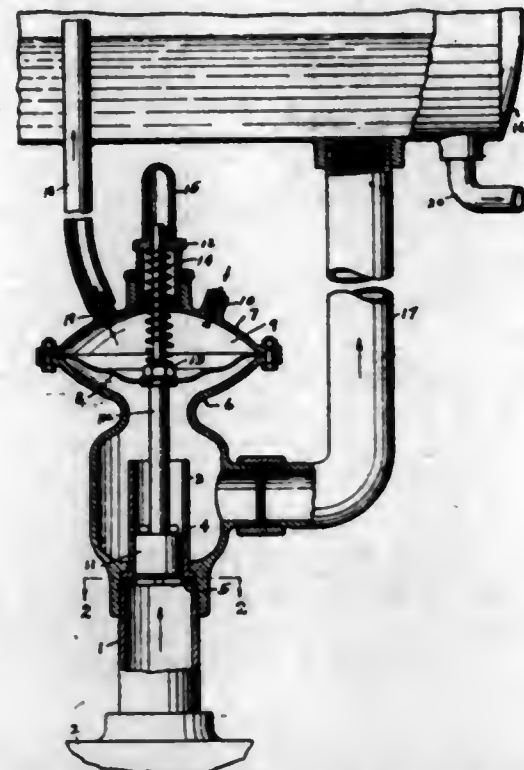
1. A dehydrator accessory adapted to be applied to an automotive body equipped with a transverse rear window pane that is screw fastened in place by an inner frame and further equipped with an apertured side tail window retained by an endless outer frame, said accessory comprising a relatively flat air collector scoop disposed exteriorly alongside said tail window and having an outlet port delivering interiorly of the body through the aperture of said tail window, means for affixing said scoop to the tail window, a nozzle mounted to eject toward and along an inner face region of the rear window pane, a saddle strap affixed to the aforesaid inner frame by the screw fastenings thereof and serving to retain the nozzle in operative position, and a flexible conduit conveying collected air from said port for delivery through the nozzle, said strap further serving to retain in place the delivery end region of said conduit.

2,384,770

AUTOMATIC AIR VOLUME CONTROL
Arthur P. Ruth, Houston, Tex.
Application November 11, 1942, Serial No. 563,067
2 Claims. (Cl. 230-50)

1. An air pump comprising, a cylinder connected into a pressure line, a piston in the cylinder exposed to the pressure in said line, an air

chamber having an air discharge line, a piston rod connected to the piston and extended through said cylinder and chamber, an adjustable gland connected to one wall of the chamber through which the outer end of the rod extends,



means connected to the piston rod for varying the capacity of the chamber, a coil spring interposed between said means and said gland and whose compression may be varied by the adjustment of said gland.

2,384,771

COVERING MATERIAL FOR AIRCRAFT FRAME STRUCTURES AND THE LIKE AND METHOD OF PRODUCING THE SAME
Alfred Ryan, Glasgow, Scotland, assignor to The Ioco Rubber and Waterproofing Company Limited, Glasgow, Scotland, a British company
Application October 2, 1943, Serial No. 504,712
In Great Britain August 6, 1942
11 Claims. (Cl. 28-74)



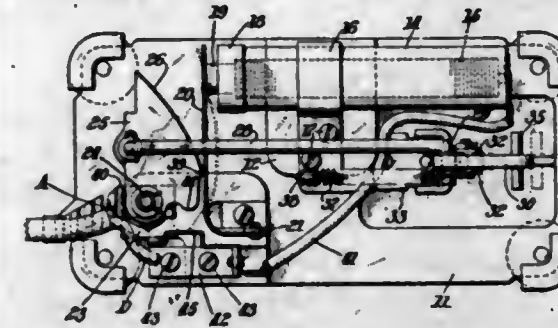
1. A covering material for aircraft frame structures and the like comprising as a base, a fabric which consists of non-corrosive metal wires woven in one direction in such manner as to remain straight in the fabric, and textile threads woven in the other direction, a first coating derived from a solution of casein which unites the points of contact between the textile threads and metal wires sufficiently to prevent relative displacement at the points of contact but without preventing a small angular movement between said threads and wires, and an outer coating of material selected from the class of rubber, rubber-like and plastic compounded materials, which forms a smooth outer surface.

2,384,772

SEWING MACHINE MOTOR CONTROLLER
Carl R. Schenk, Union, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application May 26, 1943, Serial No. 488,551
4 Claims. (Cl. 201-51)

1. A controller for electric motors comprising a base, a carbon pile resistor secured to said base, and means for applying pressure to said carbon resistor, said means including a flat spring having one of its ends secured to said base and its

other end in electrical contact with said carbon pile, a pivoted member having a cam shaped edge, and manually controlled mechanism for swinging said member about its pivot to cause its cam



edge to engage the spring intermediate its ends and move along said spring towards the end of the spring which is in contact with the carbon pile.

2,384,773

PHOSPHORIC ACID MANUFACTURE
Mark Shoeld, Towson, Md., assignor to The Davison Chemical Corporation, Baltimore, Md., a corporation of Maryland
Application January 15, 1941, Serial No. 374,591
18 Claims. (Cl. 23-165)



1. A process of manufacturing phosphoric acid, comprising submerging in an aqueous sulfuric acid leaching medium a quiescent bed containing preformed superphosphate granules for effecting diffusion of the said medium throughout the depth of the bed and to form phosphoric acid and calcium sulphate, and withdrawing from the bottom of said bed said phosphoric acid dissolved in said aqueous medium.

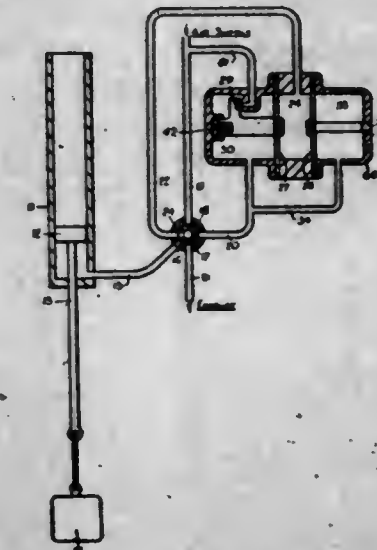
16. In the manufacture of phosphoric acid from superphosphate, passing water at a predetermined rate of flow through the first of a series of interconnected extraction zones in contact with material resulting from the treatment of preformed superphosphate granules in a deep bed for a predetermined period of time with sulphuric acid to form phosphoric acid in the granules, controlling the rate of flow of said water while passing sulphuric acid at a predetermined rate of flow into intermediate zones in contact with unreacted phosphate material remaining from such acid treatment of preformed superphosphate granules in a deep bed in each zone and while passing solution from each zone including the first at a predetermined rate into a next succeeding zone in said series, in admixture with the sulphuric acid introduced into such latter zone, passing solution from the last of said series of zones through a zone at a predetermined rate in contact with fresh superphosphate, the said fresh superphosphate being in the form of preformed granules and in a deep bed in said last-mentioned zone, and withdrawing directly from the last zone an aqueous phosphoric acid solution of high concentration equivalent to a P_2O_5 content of over substantially 40%.

2,384,774

LIFTING MECHANISM
Cosby Donald Philipps Smallpeice, Swanwick Shore, near South Hampton, England
Application October 19, 1942, Serial No. 462,598
In Great Britain October 31, 1941
2 Claims. (Cl. 121-46)

1. The combination with a lifting device comprising a cylinder, a load-operating piston there-

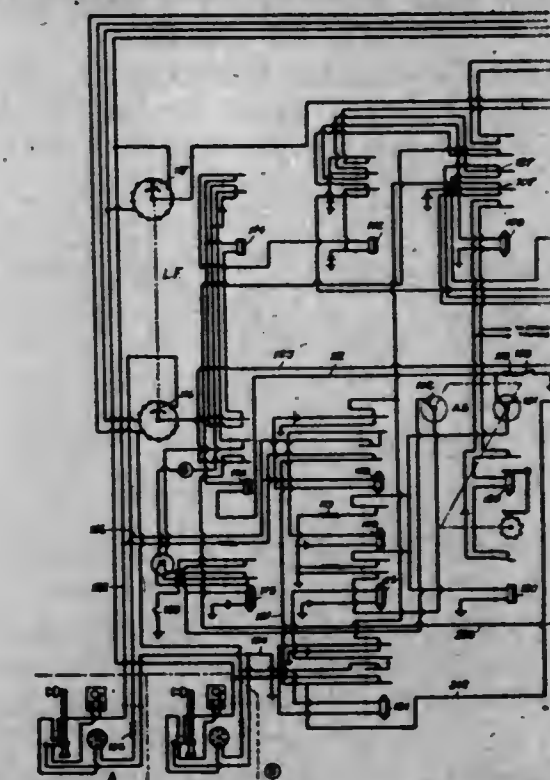
in, one of said members adapted to be connected to a load to be lifted, a source of fluid pressure, means for connecting said source to said cylinder, to raise the load, and for disconnecting it to leave the load suspended, and means for effecting release of the pressure in said cylinder to allow of lowering the load, of a fluid-pressure-operated valving device comprised of an outer casing enclosing a setting chamber, a control chamber, a pair of movable pressure-responsive elements each having applied on one face the pressure in said setting chamber and having applied on its other face the pressure in said control chamber, valve means controlled by one of said elements whereby the pressure in said control chamber will



be automatically reduced to the value of the pressure in said setting chamber when the pressure in the latter is less than the pressure in said control chamber, a second valve means controlled by the other of said elements whereby pressure will be automatically supplied from said source to said control chamber when the pressure therein is less than the pressure in said setting chamber, means for connecting said cylinder to said setting chamber, for setting purposes, and for disconnecting it, and means for connecting said cylinder to said control chamber, in which condition the load is held in balance and can be automatically moved up or down by manually-applied pressure on the load.

2,384,775

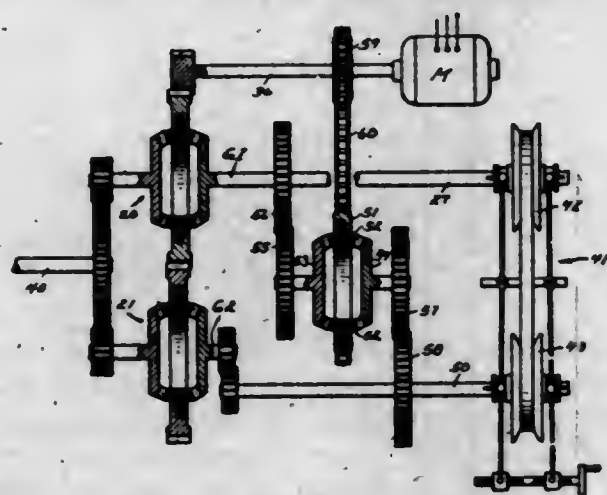
TELEPHONE SYSTEM
Harold T. Stenhammer, New York, N. Y., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Application May 19, 1944, Serial No. 536,299
10 Claims. (Cl. 179-18)



1. In a telephone system, a plurality of subscribers' lines arranged in groups and each hav-

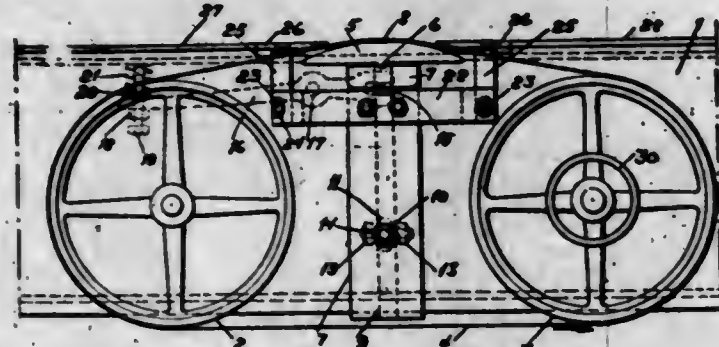
ing a line relay individual thereto, a plurality of trunk circuits, an allotter switch for preselecting an idle trunk, means to prevent operation of said switch when all trunks are busy, a second switch having a two-directional rotary movement during establishment of calls over an idle trunk, means to rotate said second switch in one direction or the other depending upon the group in which a calling line is located, means operable upon initiation of a call to prevent energization of said line relay should all trunks be busy, and means thereupon controlled by said line relay for transmitting a busy signal to the calling line.

2,384,776
POWER TRANSMISSION UNIT WITH LOAD
SPEED AND DIRECTION CONTROL
 Lev A. Trofimov, Willoughby, Ohio
 Application March 26, 1942, Serial No. 436,309
 35 Claims. (Cl. 74-286)



1. In a power transmission, a first and a second differential gearing each comprising a spider rotatably supporting a pinion, and a pair of differential gears meshed with the pinion; a source of power connected to the two spiders to drive them in opposite directions, a differential gear of the first gearing and a differential gear of the second gearing being geared to a common load shaft; the remaining differential gears of the two gearings being connected each to a control shaft; and means to cause the load shaft optionally to remain at rest or to rotate comprising means to control the relative speeds of the said control shafts.

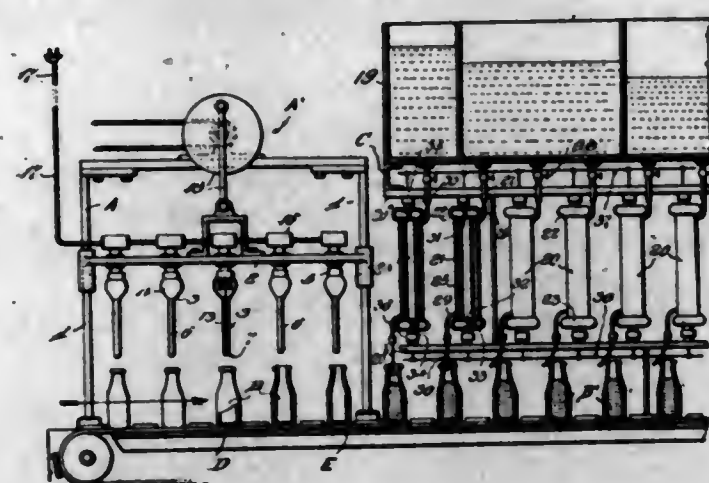
2,384,777
MACHINE FOR FINISHING THE RUNNER
FACE OF SKIS
 Bror Otto Westman, Hudiksvall, Sweden
 Application July 26, 1943, Serial No. 496,209
 In Sweden December 18, 1941
 5 Claims. (Cl. 51-135)



1. Sand papering machine comprising in combination a frame having a feed table, a dressing table associated with the feed table, fulcrumed in the frame for tilting movement and having a rounded upper face substantially flush with the upper face of the feed table, means for yieldingly supporting the dressing table, means for fixing

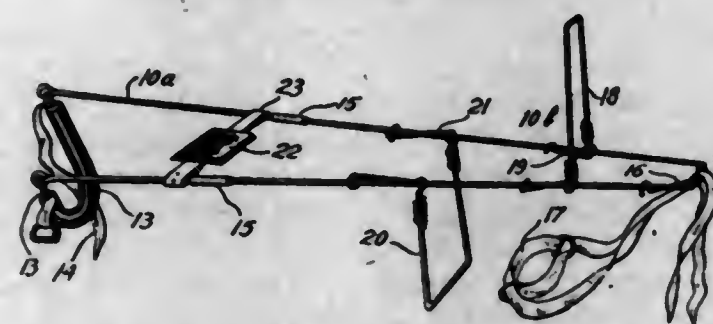
the dressing table in a non-yielding position, drums rotatably mounted in the frame and an endless dressing band mounted on and passing over the drums and the dressing table.

2,384,778
IRRADIATING BOTTLE FILLING MACHINE
 Stewart C. Whitman, deceased, late of New York, N. Y., by Helen Whitman, administratrix, New York, N. Y.
 Original application April 4, 1941, Serial No. 386,936. Divided and this application October 29, 1941, Serial No. 417,037
 1 Claim. (Cl. 250-43)



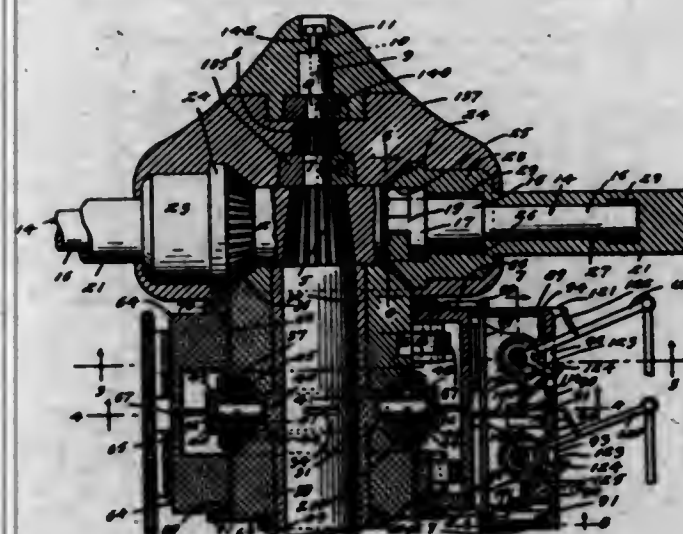
A sterilizing filler for a liquid sterilizing and bottle filling machine comprising an inner ultra-violet tube straight throughout its length and having laterally expanded upper and lower head and base portions projecting radially from the tube and forming chambers of appreciably greater diameter than the tube, crater electrodes disposed in the chambers in alignment with the longitudinal axis of the tube, and an outer tubular envelope of less diameter than the expanded head and base portions surrounding the tube and spaced therefrom and extending between and supported by the expanded head and base portions and forming with the tube an annular liquid flow passage of less diameter than the head and base and having an inlet communicating with said passage at its upper end and an outlet communicating with said passage at its lower end.

2,384,779
FRACTURE SPLINT
 Howard S. Williams, Hartford, Conn.
 Application February 2, 1942, Serial No. 429,330
 3 Claims. (Cl. 128-84)



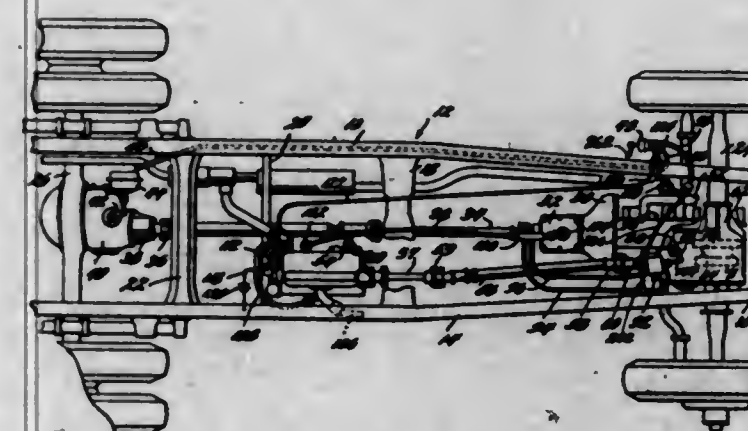
1. A leg splint comprising in combination, a pair of elongated side rods, a member at one end of said rods adapted to engage partially about the thigh of a patient, a foot rest comprising a rod bent into substantial U shape, the ends of said U shape rod being twisted to form integral helical springs, and arms each having an end engaging within a spring and having their opposite ends adapted to be positioned over said side rods to retain said foot rest in any adjusted position along said side rods.

2,384,780
REVERSIBLE PITCH PROPELLER
 Otto Ernest Dietrich, Morton, Ill.
 Application April 17, 1942, Serial No. 439,416
 9 Claims. (Cl. 170-163)



1. A reversible pitch propeller structure, comprising a propeller shaft, a pair of propeller blades operatively coupled with said shaft to be rotated by the shaft about the axis thereof, said blades being supported for turning about their longitudinal axes, means limiting the turning of the blades to forward and reverse pitch positions, a pair of units rotatably supported upon the shaft and operatively coupled together to transmit turning movement from one unit to the other unit and in the opposite direction, one of said units being operatively coupled with the propellers to turn the latter when the unit connected therewith is turned about the shaft, means by which said units may be selectively operatively coupled with the supporting shaft, and selective mechanism for effecting the disconnection of one unit from the shaft and immediately thereafter establishing connection of the other unit with the shaft and also effecting relative movement between the units for imparting rotary motion to the propeller blades.

2,384,781
AUTOMOTIVE VEHICLE
 Walter F. Rockwell, Detroit, Mich., and Beverly W. Keese, Oshkosh, Wis., assignors to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
 Application October 16, 1943, Serial No. 506,582
 25 Claims. (Cl. 180-54)



3. In an automotive vehicle having two driving axles; a respective engine drivingly connectible with each; a respective two speed drive gear operatively associated with each axle and with the respective engine, the high speed ratio of one of said two speed drive gears being substantially the

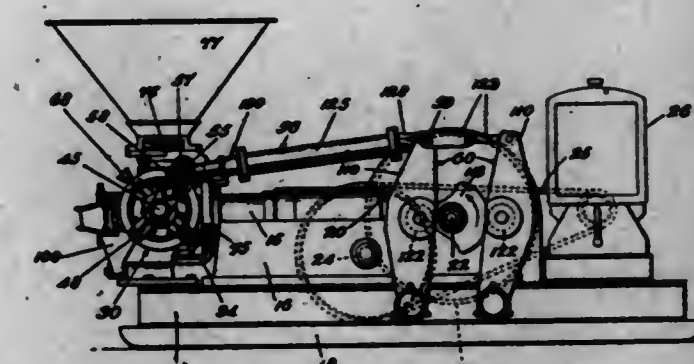
same as the low speed ratio of the other of said two speed drive gears; a four speed change speed transmission having a direct drive ratio and a third speed ratio operatively interposed between said other two speed axle drive gear and its associated engine; and means actuated by said transmission and operatively connected with said one two speed axle drive gear, operative to shift said one axle drive gear to its high speed ratio when said transmission is in direct drive, and to shift said one axle drive gear to its low speed ratio when said transmission is in third speed drive.

2,384,782
AUTOMOTIVE VEHICLE
 Walter F. Rockwell, Detroit, Mich., and Beverly W. Keese, Oshkosh, Wis., assignors to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
 Application March 23, 1944, Serial No. 527,782
 20 Claims. (Cl. 180-54)



1. In a vehicle having two independent drive axles, a main engine drivingly connectible with one of said axles; a booster engine drivingly connectible with the other of said axles; a driving connection including manually controlled elements between said main engine and said one axle; a controllable driving connection between said booster engine and said other axle; and means rendered operative by operation of said booster engine to enable said manually controlled elements to control the driving connection between said booster engine and said other axle.

2,384,783
PUMP FOR PLASTIC CONCRETE MIXTURES
 Charles I. Longenecker, Wauwatosa, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
 Application September 23, 1943, Serial No. 503,549
 9 Claims. (Cl. 103-228)



1. In a pressure pump for plastic concrete mixtures, having a working chamber and a mixture-controlling valve; a bracket member carried by said chamber for readily detachably engaging and supporting a portion of said valve in operative position relative to the chamber; and wedging means engaging portions of the valve and bracket member to secure the valve in said operative position.

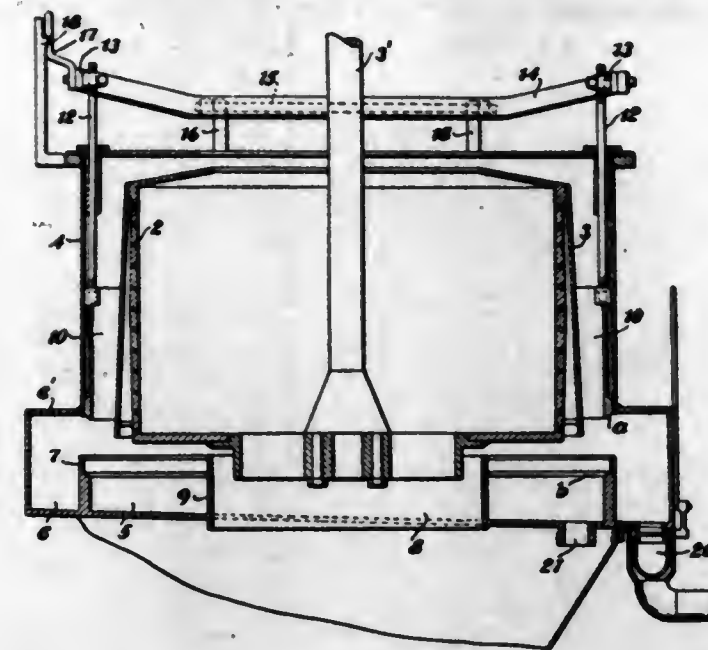
2,384,784

CENTRIFUGAL SEPARATOR

John F. Tholl, Needham, Mass., assignor to American Tool & Machine Co., Hyde Park, Mass., a corporation of Massachusetts
Application December 3, 1940, Serial No. 368,357
3 Claims. (Cl. 210-75)

1. In a centrifugal separator, the combination of an upright rotary basket, a curb in which said basket is mounted, inner and outer gutters at the lower end of said curb, said gutters having a common inclined bottom sheet, an upright, annular flange rigid with said bottom sheet separating said gutters, the upper edge of said flange being approximately in vertical alignment with the lower edge of said curb, said basket being provided with means for confining the discharge of liquid therefrom to approximately the lower end thereof, a sleeve surrounding said basket and fitted slidably against the inner wall of said curb for vertical adjustment into and out of engagement with said flange, the upper edge of said flange lying slightly below the level of the discharge of liquid from said basket whereby such discharge normally goes into the outer gutter,

and means for lowering and raising said sleeve vertically into and out of engagement with said flange so that it will direct the liquid discharged



from said basket into said inner gutter when in its lowered position.

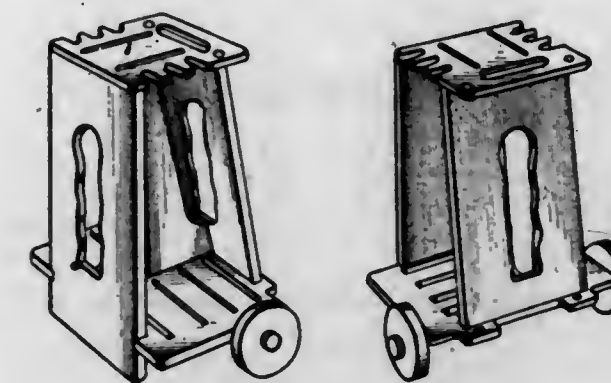
DESIGNS

SEPTEMBER 11, 1945

142,352

DESIGN FOR A CROQUET RACK

Raymond T. Gutz, Park Ridge, and Anne Swainson, Chicago, Ill., assignors to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application January 3, 1944, Serial No. 112,154
Term of patent 7 years
(Cl. D34-5)

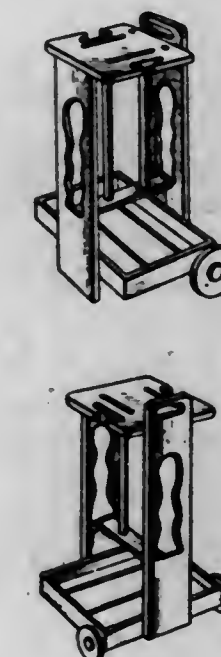


The ornamental design for a croquet rack, substantially as shown.

142,353

DESIGN FOR A CROQUET RACK

Anne Swainson, Chicago, and Raymond T. Gutz, Park Ridge, Ill., assignors to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Original design application January 3, 1944, Serial No. 112,154. Divided and this application October 14, 1944, Serial No. 115,789
Term of patent 14 years
(Cl. D34-5)

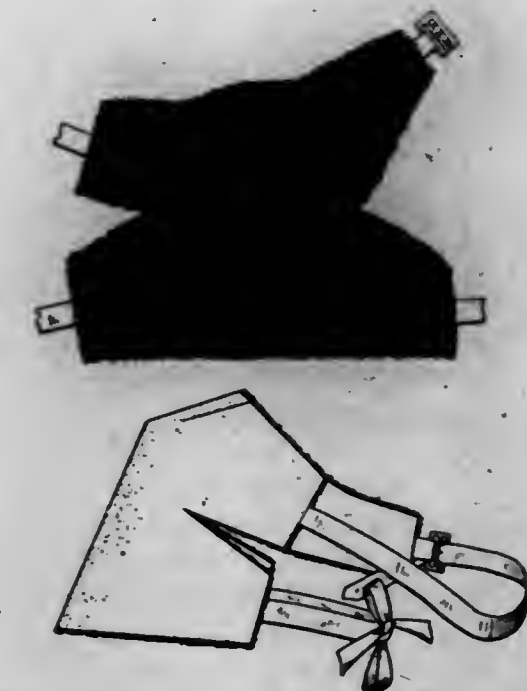


The ornamental design for a croquet rack, substantially as shown.

142,354

DESIGN FOR A FUR-LINED SHOULDER PAD FOR THERAPEUTIC PURPOSES

William Hamburger, New York, N. Y., assignor of one-half to Adolf Hamburger, New York, N. Y.
Application December 23, 1944, Serial No. 117,075
Term of patent 3½ years
(Cl. D83-1)



The ornamental design for a fur-lined shoulder pad for therapeutic purposes, substantially as shown.

142,355

DESIGN FOR A FLATIRON

Don E. Stewart, Grand Rapids, Mich., assignor to Raymond J. Scheffler, Grand Rapids, Mich.
Application July 20, 1944, Serial No. 114,485
Term of patent 14 years
(Cl. D49-6)



The ornamental design for a flatiron, substantially as shown.

142,356

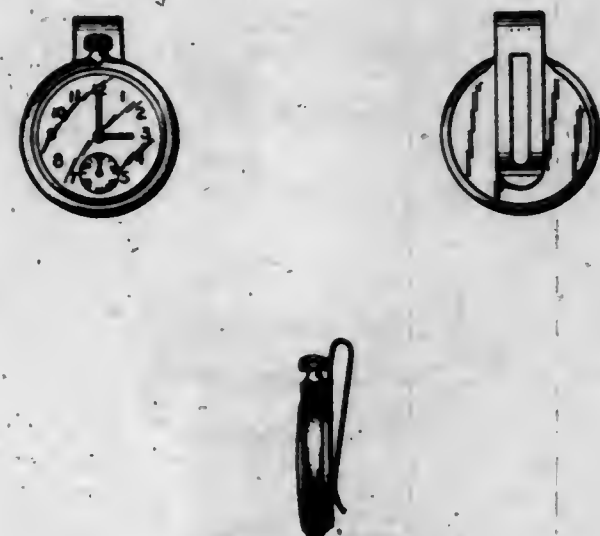
DESIGN FOR A PICTURE FRAME
 Antonio Vallebona, Providence, R. I.
 Application April 9, 1945, Serial No. 118,914
 Term of patent 14 years
 (Cl. D29—20)



The ornamental design for a picture frame, as shown and described.

142,357

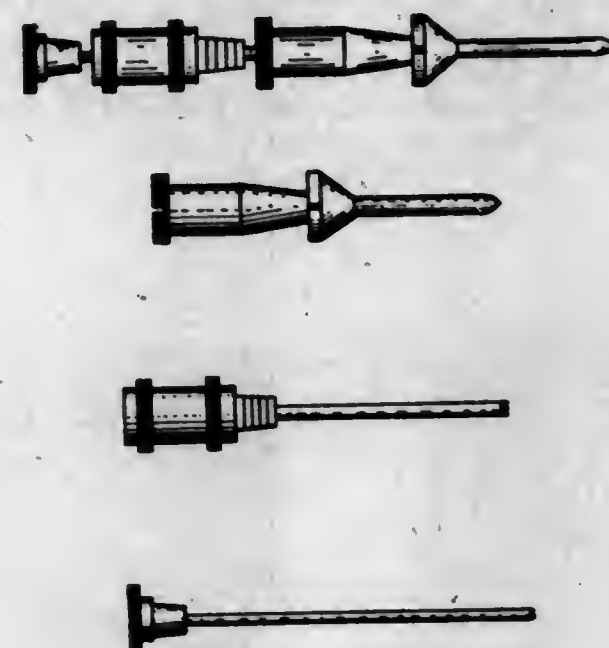
DESIGN FOR A COMBINATION MONEY CLIP AND WATCH
 James Leslie Younghusband, Chicago, Ill.
 Application April 20, 1945, Serial No. 119,110
 Term of patent 14 years
 (Cl. D42—7)



The ornamental design for a combination money clip and watch, substantially as shown.

142,358

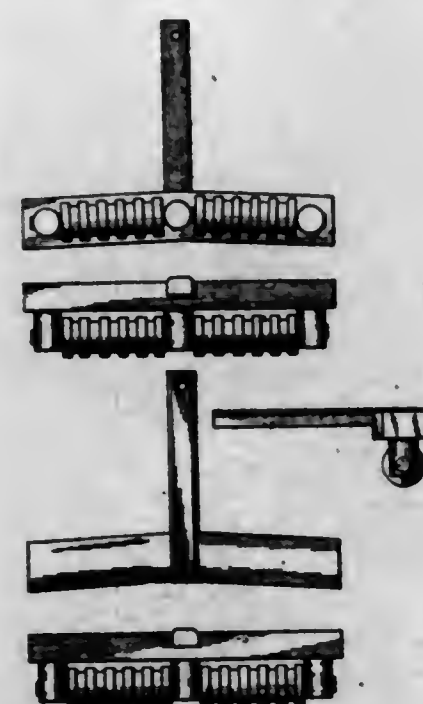
DESIGN FOR A BIOPSY NEEDLE UNIT
 Henry Turkel, Detroit, Mich.
 Application May 4, 1945, Serial No. 119,400
 Term of patent 14 years
 (Cl. D83—1)



The ornamental design for a biopsy needle unit, substantially as shown.

142,359

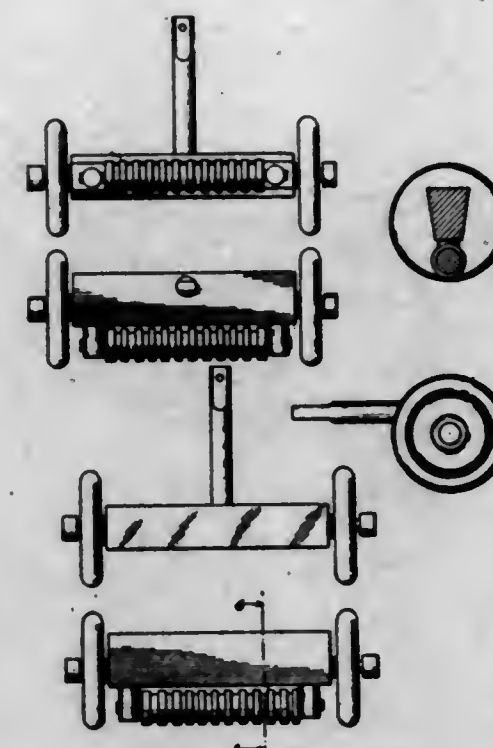
DESIGN FOR A TOY FARM IMPLEMENT
 Herbert Hieb, Des Moines, Iowa
 Application November 24, 1944, Serial No. 116,667
 Term of patent 7 years
 (Cl. D34—15)



The ornamental design for a toy farm implement, substantially as shown.

142,360

DESIGN FOR A TOY FARM IMPLEMENT
 Herbert Hieb, Des Moines, Iowa
 Application November 24, 1944, Serial No. 116,666
 Term of patent 7 years
 (Cl. D34—15)



The ornamental design for a toy farm implement, substantially as shown.

142,361

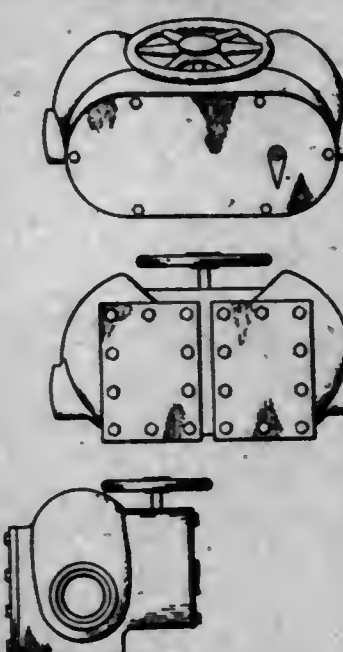
DESIGN FOR A PENHOLDER
 Benjamin W. Hanle, Elizabeth, N. J.
 Application November 30, 1944, Serial No. 116,625
 Term of patent 14 years
 (Cl. D74—17)



The ornamental design for a penholder, substantially as shown and described.

142,362

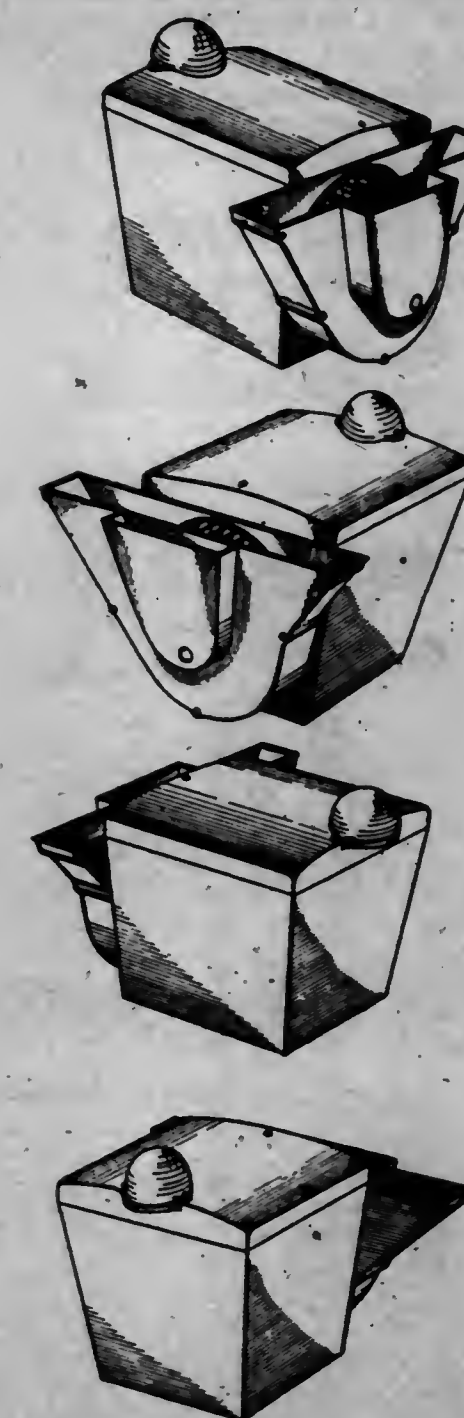
DESIGN FOR A PIPE-LINE CONTROL FITTING
 Leland S. Hamer, Long Beach, Calif.
 Application January 17, 1944, Serial No. 112,253
 Term of patent 14 years
 (Cl. D91—1)



The ornamental design for a pipe-line control fitting, as shown.

142,363

DESIGN FOR AN AIR CONDITIONING VAPORIZER
 Harry Goodman, Britton, Okla.
 Application October 18, 1944, Serial No. 115,834
 Term of patent 14 years
 (Cl. D62—4)

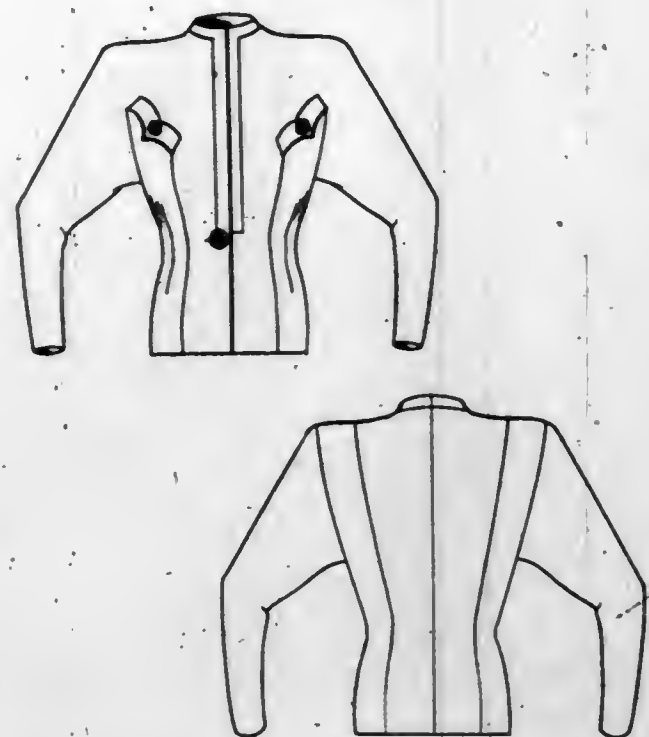


The ornamental design for an air conditioning vaporizer, as shown.

142,364

DESIGN FOR A JACKET

Simon Etkin, New York, N. Y.
Application July 17, 1945, Serial No. 120,743
Term of patent 3½ years
(Cl. D3—4)

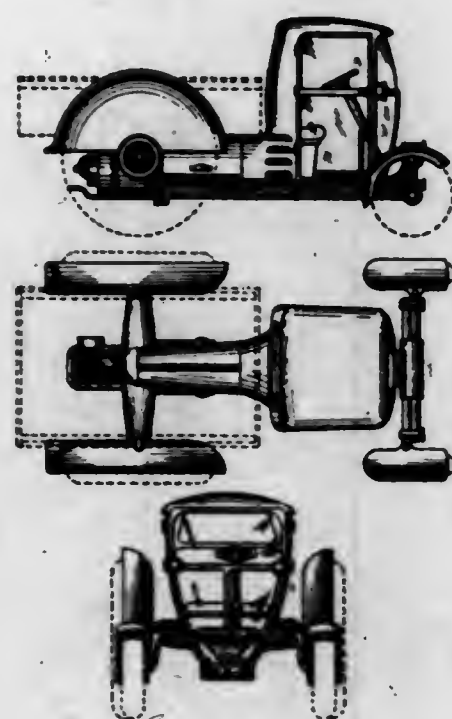


The ornamental design for a jacket, substantially as shown.

142,365

DESIGN FOR A TRACTOR

Ernest S. Cooke, Chillicothe, Mo.
Application April 11, 1944, Serial No. 113,223
Term of patent 14 years
(Cl. D14—3)

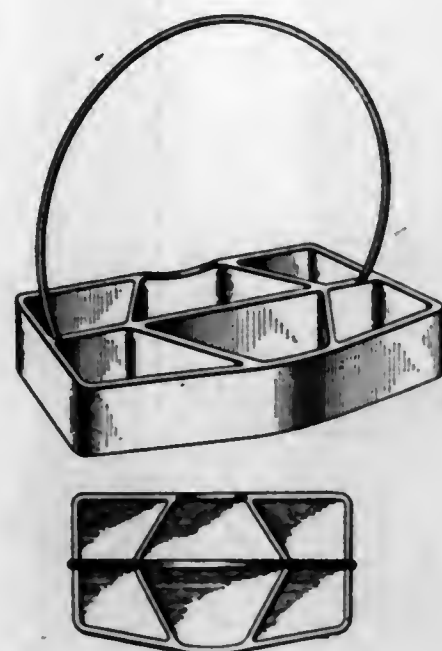


The ornamental design for a tractor, as shown and described.

142,366

DESIGN FOR A BABY'S TRAY

John P. Bourdus, New York, N. Y.
Application March 20, 1945, Serial No. 118,593
Term of patent 7 years
(Cl. D58—4)

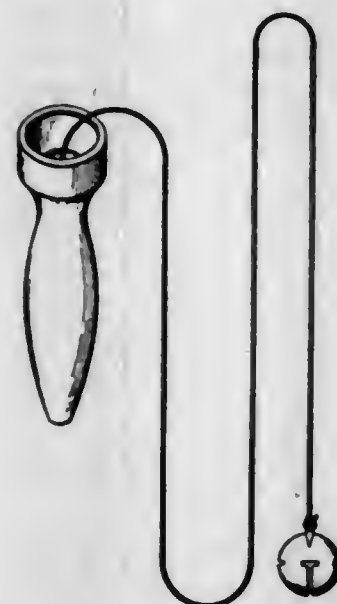


The ornamental design for a baby's tray, substantially as shown.

142,367

DESIGN FOR A BALL TOSSING TOY

Abraham M. Baker, Providence, R. I.
Application February 27, 1945, Serial No. 118,158
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a ball tossing toy, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

(Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907)

- Adams Candy Company, Dallas, Tex. Candy. Serial No. 480,941; Sept. 11. Class 46.
- Adler, Albert, Philadelphia, Pa. Jewelry. Serial No. 483,948; Sept. 11. Class 28.
- Allied Stores Corporation, Wilmington, Del., doing business as "The Bon Marche", Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. China and ceramic dinnerware. Serial No. 469,949; Sept. 11. Class 30.
- American Crayon Company, The, Sandusky, Ohio. Children's story books. Serial No. 477,864; Sept. 11. Class 38.
- American Machine & Foundry Company: See—Gibbs, William J., assignor.
- American Varnish Company, The, Chicago, Ill. Highly concentrated synthetic wood finish. Serial No. 481,509; Sept. 11. Class 16.
- American Zyloptic Company, New York, N. Y. Lenses for eyeglasses, goggles, and spectacles and eyeglass, goggle and spectacle frames, etc. Serial No. 483,417; Sept. 11. Class 26.
- Artvogue Sportswear Co., San Francisco, Calif. Men's and boys' dress and sport shirts. Serial No. 483,951; Sept. 11. Class 39.
- Atlas Leather Case Co., Chicago, Ill. Men's hand luggage. Serial No. 480,400; Sept. 11. Class 3.
- Aviation Corporation, The, New York, N. Y. Mechanically actuated units for opening and closing garage and other doors. Serial No. 481,830; Sept. 11. Class 23.
- Bergman, Jack H., New York, N. Y. Phonograph records and phonograph record blanks. Serial No. 483,016; Sept. 11. Class 36.
- Black, Howard, doing business as Howard Black Cherry Co., Traverse City, Mich. Fresh cherries, canned cherries, and cherries preserved in syrups. Serial No. 478,188; Sept. 11. Class 46.
- Black, Howard, Cherry Co.: See—Black, Howard.
- Blue Ridge Glass Corporation, Kingsport, Tenn. Figured and wired tempered flat glass. Serial No. 459,531; Sept. 11. Class 33.
- "Bon Marche, The": See—Allied Stores Corporation.
- Brightwater Paper Company, Dover, Del., and Adams, Mass. Writing paper. Serial No. 474,777; Sept. 11. Class 37.
- Burke & James, Inc., Chicago, Ill. Sensitized photographic paper, sensitized photographic plates, and sensitized films. Serial No. 472,315; Sept. 11. Class 26.
- C-Z Chemical Company, Beloit, Wis. Spray oil and polish. Serial No. 479,770; Sept. 11. Class 16.
- Caravan Sales Company, New York, N. Y. Table-cloths and napkins and other household linens, etc. Serial No. 480,647; Sept. 11. Class 42.
- Chasers, Inc., doing business under the name The Ohio Confection Company, New York, N. Y. Chocolate-covered almonds, raisins, and mints. Serial No. 472,039; Sept. 11. Class 46.
- Cook, Benjamin, New York, N. Y. Men's, women's and children's shoes. Serial No. 480,537; Sept. 11. Class 39.
- Cortland Line Company, Inc., Cortland, N. Y. Fishing line. Serial No. 485,266; Sept. 11. Class 22.
- Cowles Detergent Company, The, Cleveland, Ohio. Water soluble alkali silicate. Serial No. 483,169; Sept. 11. Class 4.
- Curtis Publishing Company, The, Philadelphia, Pa. Publication. Serial No. 484,394; Sept. 11. Class 38.
- Curtiss-Wright Corporation, New York and Buffalo, N. Y.; Columbus, Ohio; Louisville, Ky.; and St. Louis, Mo. Airplanes and structural parts thereof. Serial No. 478,112; Sept. 11. Class 19.
- Dental Specialty Manufacturing Co., Inc., The, Denver, Colo. Handpiece cleaner and lubricant, an oil-base liquid. Serial No. 484,340; Sept. 11. Class 15.
- Detroit Graphite Company, Detroit, Mich. Metal protective paints. Serial No. 482,470; Sept. 11. Class 16.
- Dey Brothers & Company: See—Allied Stores Corporation.
- Disston, Henry, & Sons, Incorporated, Tacony, Philadelphia, Pa. Beet knife filing machine, beet knife straightening machines, and precise grinders. Serial No. 484,521; Sept. 11. Class 23.
- Disston, Henry, & Sons, Incorporated, Tacony, Philadelphia, Pa. Power chainsaws, power chain saw sharpening machines and parts pertaining thereto. Serial No. 484,522; Sept. 11. Class 23.
- Duriron Company, Inc., The, Dayton, Ohio. Laboratory equipment particularly such for handling corrosive liquids. Serial No. 480,747; Sept. 11. Class 26.
- Eagle-Picher Company, The, Cincinnati, Ohio. Insulating and fireproof cement. Serial No. 484,779; Sept. 11. Class 12.
- Eclipse Air Brush Co., Newark, N. J. Spray guns. Serial No. 484,524; Sept. 11. Class 23.
- Embosograf Corporation of America, New York, N. Y. Embossing presses and embossing dies and type for use therein. Serial No. 484,675; Sept. 11. Class 23.
- Fox, H., & Co., Brooklyn, N. Y. Non-alcoholic, maltless beverages. Serial No. 482,836; Sept. 11. Class 45.
- Freydberg, G. H. & E., Inc., New York, N. Y. Misses' and children's dresses. Serial No. 478,548; Sept. 11. Class 39.
- General Electric Company, Schenectady, N. Y. Electrical resistance or semi-conducting material. Serial No. 479,709; Sept. 11. Class 21.
- General Mills, Inc., Minneapolis, Minn. Prepared flour mix. Serial Nos. 485,210-12; Sept. 11. Class 46.
- Gibbs, William J., doing business as Lowerator Manufacturing Co., assignor to American Machine & Foundry Company, Brooklyn, N. Y. Apparatus for holding articles or layers of articles. Serial No. 475,205; Sept. 11. Class 23.
- Gill, A. C., Limited, Nottingham, England. Twist lace. Serial No. 475,493; Sept. 11. Class 42.
- Golden Lotus Press, The, Philadelphia, Pa. Periodical magazine issued monthly. Serial No. 483,971; Sept. 11. Class 38.
- Gruen Watch Company, The, Cincinnati, Ohio. Bracelets not including watches. Serial No. 483,856; Sept. 11. Class 28.
- Helm, Pauline M., Springfield, Mo. Needlework samplers. Serial No. 483,111; Sept. 11. Class 40.
- Hofbauer, Frank, doing business as Mohawk Tool Company, Detroit and Hazel Park, Mich. Rotary cutting tools. Serial No. 480,236; Sept. 11. Class 23.
- Interatlantic Trading Corp., New York, N. Y. Watches and parts thereof. Serial Nos. 483,824-5; Sept. 11. Class 27.
- Jabeson China Co. Inc., New York, N. Y. Ceramic cigarette boxes, ash trays, humidors and cigar cases. Serial No. 483,269; Sept. 11. Class 8.
- Jackson, Cecil M., Pacific Palisades, Calif. Figurines formed of lead, or Bakelite. Serial No. 478,391; Sept. 11. Class 50.
- Kelling Nut Co., The, Chicago, Ill. Salted, candied, and plain nut meats. Serial No. 481,792; Sept. 11. Class 46.
- Kneisley Electric Company, Toledo, Ohio. Electric rotary tap switches, electric rectifiers, etc. Serial No. 480,072; Sept. 11. Class 21.
- Kocher, Walter, New York, N. Y. Clocks. Serial No. 483,656; Sept. 11. Class 27.
- Kress, S. H., and Company, New York, N. Y. Soaps. Serial No. 479,241; Sept. 11. Class 4.
- L & N Specialties Company, Chicago, Ill. Ladies' handbags. Serial No. 478,457; Sept. 11. Class 3.
- Lee, Mary, Inc., New York, N. Y. Women's, misses', and girls' dresses, suits, skirts, etc. Serial No. 476,741; Sept. 11. Class 39.
- Lehman, Douglas A., Harrisburg, Ill. Dairy products. Serial No. 480,954; Sept. 11. Class 46.
- Le Sage Company, Dallas, Tex. Whiskey. Serial No. 483,072; Sept. 11. Class 49.
- Lopez, Fernandez & Co., Cabaiguan, Cuba. Cigars. Serial No. 477,024; Sept. 11. Class 17.
- Lowerator Manufacturing Co.: See—Gibbs, William J.
- Meyer, Joseph H., Bros., Brooklyn, N. Y. Necklaces, bracelets, finger rings, etc. Serial No. 469,875; Sept. 11. Class 27.
- Mohawk Tool Company: See—Hofbauer, Frank.
- Morrison Milling Co., The, Denton, Tex. Wheat flour. Serial No. 484,057; Sept. 11. Class 46.
- Mother's Choice Products, Inc., Brooklyn, N. Y. Prepared cake mixes, ginger bread mix, muffin mix, etc. Serial No. 473,903; Sept. 11. Class 46.
- Myrurgia S. A., Barcelona, Spain. Toilet soap. Serial No. 482,173; Sept. 11. Class 4.
- Newspaper PM, Inc., The, New York, N. Y. Series of cartoons or cartoon strips. Serial No. 484,421; Sept. 11. Class 38.
- Nichols, John P., Philadelphia, Pa. Mirrors, and mirror-frames. Serial No. 470,820; Sept. 11. Class 32.
- Oakite Products, Inc., New York, N. Y. Cleaning preparations. Serial No. 483,548; Sept. 11. Class 4.
- Oakite Products, Inc., New York, N. Y. Soluble oils. Serial No. 484,967; Sept. 11. Class 15.
- Ohio Confection Company, The: See—Chasers, Inc.
- Old Dutch Industrial Products Co., Inc., Harrison, N. J. Shoe polish, shoe dressing and shoe waxes. Serial No. 482,176; Sept. 11. Class 4.
- Old Reading Brewery Inc., The, Reading, Pa. Beer. Serial No. 463,302; Sept. 11. Class 48.

Orr Felt & Blanket Company, The, Piqua, Ohio. Blankets of wool. Serial No. 485,695; Sept. 11. Class 42.
 Para-Ti Corporation, New York, N. Y. Toilet soaps. Serial No. 482,296; Sept. 11. Class 4.
 Pierce Laboratory, Inc., Summit, N. J. Electrical circuit breakers. Serial No. 484,498; Sept. 11. Class 21.
 Pine, Morton S., Co., The, Cleveland, Ohio. General household cleaner. Serial No. 483,339; Sept. 11. Class 4.
 Polk Packing Association, Winter Haven, Fla. Citrus products. Serial No. 482,949; Sept. 11. Class 46.
 Pollak, Henry, Inc., New York, N. Y. Hat and millinery braids. Serial No. 482,393; Sept. 11. Class 40.
 Post Watch Company, New York, N. Y. Horological instruments. Serial No. 481,713; Sept. 11. Class 27.
 Quackenbush Company, See—
 Allied Stores Corporation.
 Rieber, Frank, Inc., Los Angeles, Calif. Magnetic tape and wire recorders and reproducers. Serial No. 472,752; Sept. 11. Class 21.
 Riverside & Dan River Cotton Mills, Inc., Danville, Va. Piece goods of cotton, rayon or mixtures thereof. Serial No. 484,064; Sept. 11. Class 42.
 Royale Briar Pipe Co., New York, N. Y. Smoking pipes. Serial No. 482,953; Sept. 11. Class 8.
 Sanitary Soap Co., Paterson, N. J. Antiseptic powdered hand soap. Serial No. 483,452; Sept. 11. Class 4.
 Saspesia Sulphite Company Ltd., Quebec, Quebec, Canada. Unbleached sulphite pulp. Serial No. 478,580; Sept. 11. Class 1.
 Sears, Roebuck and Co., Chicago, Ill. Dairy, hog, and poultry equipment. Serial No. 465,083; Sept. 11. Class 26.
 Selectronic Dispersions, Inc., Montclair, N. J. Plastic compounds, alloys and dispersions. Serial No. 482,507; Sept. 11. Class 1.
 Seven Up Company, The, St. Louis, Mo. Carbonated, non-alcoholic, non-cereal maltless beverages. Serial No. 465,582; Sept. 11. Class 45.

Sonneborn, L. Sons, Inc., New York, N. Y. Floor oil. Serial No. 480,200; Sept. 11. Class 16.
 Sowa Chemical Company, See—
 Sowa, Frank J., doing business as Sowa Chemical Company, New York, N. Y. Organo-silicon compounds. Serial No. 470,866; Sept. 11. Class 1.
 Spring-Air Company, Holland, Mich. Mattresses and box springs. Serial No. 485,611; Sept. 11. Class 32.
 Standard Oil Company, Louisville, Ky. Garden hose. Serial No. 485,664; Sept. 11. Class 35.
 Tape, Incorporated, Green Bay, Wis. Gummed paper tape. Serial No. 482,024; Sept. 11. Class 37.
 Terhune, Yereance & Wolff, Inc., New York, N. Y. Woolen and worsted fabrics in the piece. Serial No. 485,426; Sept. 11. Class 42.
 Terhune, Yereance & Wolff, Inc., New York, N. Y. Woolen and worsted fabrics in the piece. Serial No. 485,704; Sept. 11. Class 42.
 Tiedemann, Arthur, Kimberly, Wis. Paint-like coating compound. Serial No. 483,193; Sept. 11. Class 16.
 Tillery Container Co., Kansas City, Mo. Educational toys. Serial No. 477,987; Sept. 11. Class 22.
 Turco Products, Inc., Los Angeles, Calif. Compounds for cleaning and polishing metals. Serial No. 471,499; Sept. 11. Class 4.
 Wait Associates, Inc., The, New York, N. Y. Composition formed principally of ground slag. Serial No. 484,865; Sept. 11. Class 12.
 Wilmington Hosiery Mills, Inc., Wilmington, Del. Hosiery. Serial No. 484,002; Sept. 11. Class 39.
 York Feather & Down Co., Brooklyn, N. Y. Feathers and down for upholstery and bedding. Serial Nos. 478,696-7; Sept. 11. Class 1.
 Zoned Soap Company, Incorporated, Fort Wayne, Ind. Soap. Serial No. 482,358; Sept. 11. Class 4.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, Chicago, Ill., to Abbott Laboratories, North Chicago, Ill. Germicide or antiseptic. 205,507; renewed Nov. 10, 1945. O. G. Sept. 11. Class 6.
 Accreylon Company, See—
 Cook, Hugh F.
 Acme Wire & Iron Works, San Antonio, Tex. Excavating and material handling equipment. 416,466; Sept. 11. Class 23.
 Air Reduction Sales Company, New York, N. Y. Electrode holders. 416,413; Sept. 11; Serial No. 479,322; published July 3, 1945. Class 21.
 Ajax Metal Company, The, Philadelphia, Pa. Electric furnaces. 416,392; Sept. 11; Serial No. 470,593; published June 19, 1945. Class 21.
 Allied Plastics Company, Los Angeles, Calif. Compacts. 416,390-1; Sept. 11; Serial Nos. 470,062-3; published July 3, 1945. Class 2.
 American District Steam Company, North Tonawanda, N. Y. Casings for underground steam mains. 206,445; renewed Dec. 1, 1945. O. G. Sept. 11. Class 12.
 American Steel and Wire Company of New Jersey, The, See—
 Pearson, J. C., Co., assignor.
 Anderson-Stolz Pharmaceuticals, Inc., Kansas City, Mo. Preparation for use as a deodorant. 416,453; Sept. 11. Class 6.
 Ansco Photoproducts, Inc., Binghamton, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Sensitized photographic materials, particularly film. 204,227; renewed Oct. 13, 1945. O. G. Sept. 11. Class 26.
 Ansco Photoproducts, Inc., Binghamton, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Sensitized photographic film. 205,723; renewed Nov. 17, 1945. O. G. Sept. 11. Class 26.
 Antikamnia Chemical Company, The, assignor, by mesne assignments, to Lafayette Drug Company, St. Louis, Mo. Remedy for pain or fever, etc. 47,939; re-renewed Nov. 28, 1945. O. G. Sept. 11. Class 6.
 Airtag Engineering Works, See—
 Weiss, Arthur.
 Babbitt, B. T., Inc., Albany and New York, N. Y. Cake decorator sets. 416,418; Sept. 11; Serial No. 479,611; published July 3, 1945. Class 23.
 Barbizen Corporation, The, See—
 Garfinkel & Ritter, assignors.
 Barnard, Florence C., St. Paul, Minn. Ladies' and misses' close-fitting undergarments. 416,441; Sept. 11. Class 39.
 Betts & Betts Corporation, New York, N. Y. Electric relays, electric flashers, timing controls, etc. 416,397; Sept. 11; Serial No. 474,649; published July 3, 1945. Class 21.
 Billings & Spencer Company, The, See—
 Coes Wrench Co., assignor.

Birdsey Flour Mills, Macon, Ga. Self-rising wheat flour. 206,451; renewed Dec. 1, 1945. O. G. Sept. 11. Class 46.
 Blackhawk Mfg. Co., West Allis, Wis. Wrenches and twisting tool sets. 416,406; Sept. 11; Serial No. 477,349; published July 3, 1945. Class 23.
 Blum, Philip, and Company, Inc., See—
 National Distilling Co., assignor.
 Bonwit Teller, Inc., New York, N. Y. Perfumes. 416,455; Sept. 11. Class 8.
 Breyer Ice Cream Company, Inc., New York, N. Y. Fried ready-to-serve noodles. 416,400; Sept. 11; Serial No. 478,357; published July 3, 1945. Class 46.
 British Celanese Limited, London, England. Fabrics. 203,741; renewed Sept. 22, 1945. O. G. Sept. 11. Class 42.
 Brown & Bigelow, St. Paul, Minn. Leather goods. 416,393; Sept. 11; Serial No. 470,958; published July 3, 1945. Class 3.
 Brown Steel Tank Company, Minneapolis, Minn. Metal tanks. 416,420-1; Sept. 11; Serial Nos. 480,102-3; published July 3, 1945. Class 2.
 Bruner Corporation, Milwaukee, Wis. Water softeners and filters of the chemical container type. 416,424; Sept. 11; Serial No. 480,501; published July 3, 1945. Class 13.
 Bruning, G. Tobacco Extract Company, Lynchburg, Va. Tobacco extract. 206,007; renewed Nov. 24, 1945. O. G. Sept. 11. Class 6.
 Calhoun, Robbins & Co., to Lion Brand Yarn Company, New York, N. Y., successor. Yarns, woolen threads, Shetland hosiery, etc. 45,537; re-renewed Aug. 22, 1945. O. G. Sept. 11. Class 43.
 Callaway Mills, La Grange, Ga. Canvas portfolios. 416,395; Sept. 11; Serial No. 474,572; published July 3, 1945. Class 3.
 Callaway Mills, La Grange, Ga. Adhesives of cellulose material for general use. 416,396; Sept. 11; Serial No. 474,574; published July 3, 1945. Class 5.
 Castillo, José María Fernández, Habana, Cuba. Cigars. 416,444; Sept. 11. Class 17.
 Cell-U-Mop Co., See—
 Kautenberg, W. E., Company.
 Central Lemon Association, Villa Park, to Central Lemon Association, Orange, Calif. Fresh citrus fruits. 205,761; renewed Nov. 17, 1945. O. G. Sept. 11. Class 46.
 Central Lemon Association, Villa Park, to Central Lemon Association, Orange, Calif. Fresh citrus fruits. 205,951; renewed Nov. 17, 1945. O. G. Sept. 11. Class 46.
 Central Lemon Association, Villa Park, to Central Lemon Association, Orange, Calif. Fresh citrus fruits. 205,952; renewed Nov. 17, 1945. O. G. Sept. 11. Class 46.
 Clapp, Otis, & Son, Inc., Boston, Mass. Salad dressing. 204,155; renewed Oct. 6, 1945. O. G. Sept. 11. Class 46.

Coes Wrench Co., Worcester, Mass., assignor, by mesne assignments, to The Billings & Spencer Company, Hartford, Conn. Adjustable screw-wrenches. 47,177-8; re-renewed Oct. 31, 1945. O. G. Sept. 11. Class 23.
 Cohen, Goldman & Co., Inc., New York, N. Y. Men's and children's overcoats. 206,136; renewed Nov. 24, 1945. O. G. Sept. 11. Class 39.
 Colgate-Palmolive-Peet Company, See—
 Palmolive Company, The.
 Concord Foods, Inc., Concordville, Pa. Canned mushrooms. 416,440; Sept. 11; Serial No. 482,671; published July 3, 1945. Class 46.
 Cook Electric Company, Chicago, Ill. Bellows of metal. 416,385; Sept. 11; Serial No. 457,238; published June 26, 1945. Class 13.
 Cook, Hugh F., doing business as Accreylon Company, New York, N. Y. Sanitary pads and napkins. 416,435; Sept. 11; Serial No. 481,836; published July 3, 1945. Class 44.
 Cordo-Hyde Company, assignor to Cordo-Hyde Company, Brockton, Mass. Garters, belts, suspenders, etc. 197,023; renewed Apr. 7, 1945. O. G. Sept. 11. Class 39.
 Cork Import Corporation, New York, N. Y. Waterproof adhesive cements. 416,431; Sept. 11; Serial No. 481,522; published July 3, 1945. Class 5.
 Cuneo, John B., Brooklyn, N. Y. Religious and gift statues, statuettes, artificial flowers, etc. 416,388; Sept. 11; Serial No. 465,129; published Apr. 25, 1944. Class 50.
 Crown Overall Mfg. Company, See—
 Larned, Carter and Co., assignor.
 Curtis Publishing Company, The, Camden, N. J., and Philadelphia, assignor to The Curtis Publishing Company, Philadelphia, Pa. Monthly magazine. 44,395; re-renewed July 4, 1945. O. G. Sept. 11. Class 38.
 Curtis Publishing Company, The, Camden, N. J., and Philadelphia, assignor to The Curtis Publishing Company, Philadelphia, Pa. Illustrated weekly magazine. 44,432-3; re-renewed July 4, 1945. O. G. Sept. 11. Class 38.
 Davis & Lawrence Company, Dobbs Ferry, N. Y. Witch hazel and menthol plasters. 416,460; Sept. 11. Class 6.
 Denver Powerline Company, The, Denver, Colo., by change of name to The Powerline Company. Lubricating oils and lubricating greases. 204,985; renewed Oct. 27, 1945. O. G. Sept. 11. Class 15.
 Diamond T Preserving Co., Los Angeles, Calif. Berry preserves, jellies and marmalades. 416,427; Sept. 11; Serial No. 481,179; published July 3, 1945. Class 46.
 Di-Noc Manufacturing Company, The, Cleveland, Ohio. Sensitized photographic film. 416,407; Sept. 11; Serial No. 477,497; published July 3, 1945. Class 26.
 Di-Noc Company, The, Cleveland, Ohio. Sensitized photographic film. 416,436; Sept. 11; Serial No. 481,888; published July 3, 1945. Class 26.
 Dundee Mills, Incorporated, See—
 Georgia-Kincaid Mills, The.
 Electric Steel Foundry, Portland, Oreg. Hooks. 416,459; Sept. 11. Class 13.
 Electric Bleaching Gas Company, assignor to Niagara Alkali Company, New York, N. Y. Liquid chlorine. 206,193-4; renewed Nov. 3, 1945. O. G. Sept. 11. Class 6.
 Elliott Drugs, See—
 Elliott, Morris E., doing business as Elliott Drugs, Connersville, Ind. Cough medicine. 416,452; Sept. 11. Class 6.
 Emms Company, The, New York, N. Y. Tobacco pouches and pipes. 416,446; Sept. 11. Class 8.
 Eugene, Ltd., Brooklyn, N. Y. Electric hair driers, permanent hair waving machines and accessories. 416,416; Sept. 11; Serial No. 479,562; published July 3, 1945. Class 44.
 Folmer Graflex Corporation, The, Rochester, N. Y. Photographic cameras. 416,428; Sept. 11; Serial No. 481,016; published July 3, 1945. Class 26.
 Folmer Graflex Corporation, The, Rochester, N. Y., now by change of name Graflex, Inc. Photographic equipment and/or photographic accessories and/or photographic supplies. 416,429; Sept. 11; Serial No. 481,219; published June 5, 1945. Class 26.
 Folmer Graflex Corporation, The, Rochester, N. Y., now by change of name Graflex, Inc. Photographic cameras. 416,432; Sept. 11; Serial No. 481,577; published June 5, 1945. Class 26.
 Forbes, Estate of Harry W., See—
 Forbes, Harry W.
 Forbes Farms, See—
 Forbes, Harry W.
 Forbes, Harry W., doing business as Forbes Farms, Los Angeles and Thermal, to Estate of Harry W. Forbes, Thermal, Calif., successor. Fresh grapefruit, fresh tangerines. 205,772; renewed Nov. 17, 1945. O. G. Sept. 11. Class 46.
 Foster-McClellan Company, See—
 Foster Milburn Co., assignor.
 Foster Milburn Co., assignor to Foster-McClellan Company, Buffalo, N. Y. Specific for the cure of kidney and analogous complaints. 45,864; re-renewed Aug. 29, 1945. O. G. Sept. 11. Class 6.

G. & G. Precision Works, Inc., New York and Long Island City, N. Y. Cardiographs. 416,402; Sept. 11; Serial No. 476,671; published July 3, 1945. Class 44.
 Galen Laboratories, Pittsburgh, Pa. Body dusting powder. 416,450; Sept. 11. Class 6.
 Gallaher, Limited, Belfast, Ireland. Smoking tobacco, cigars, cigarettes, etc. 204,462; renewed Oct. 20, 1945. O. G. Sept. 11. Class 17.
 Galveston-Houston Breweries, Inc., See—
 Southern Beverage Company, assignor.
 Garfinkel & Ritter, assignor to The Barbizen Corporation, New York, N. Y. Chiffon in the piece. 205,730; re-renewed Nov. 17, 1945. O. G. Sept. 11. Class 42.
 General Aniline & Film Corporation, See—
 Ansco Photoproducts, Inc., assignor.
 Georgia-Kincaid Mills, The, Griffin, Ga., by change of name to Dundee Mills, Incorporated. Cotton goods in piece form. 201,526; renewed July 28, 1945. O. G. Sept. 11. Class 42.
 Glastonbury Knitting Company, Addison, Conn., assignor, by mesne assignments, to Wright's Underwear Company, Inc., New York, N. Y. Knitted underwear. 48,042; re-renewed Dec. 5, 1945. O. G. Sept. 11. Class 39.
 Goldberg, Jack L., Los Angeles, Calif. Women's ready-to-wear suits, coats and jackets. 416,411; Sept. 11; Serial No. 479,119; published June 12, 1945. Class 39.
 Good Housekeeping Co., by merger to Hearst Magazines Inc., New York, N. Y. Periodicals. 46,028; re-renewed Sept. 5, 1945. O. G. Sept. 11. Class 38.
 Goodman Manufacturing Company, Chicago, Ill. Mining machinery. 205,233; renewed Nov. 3, 1945. O. G. Sept. 11. Class 23.
 Grant, W. T., & Co., assignor, by mesne assignments, to The Tobacco Rehandling Co. Limited Inc., Louisville, Ky. Leaf-tobacco. 45,676; re-renewed Aug. 29, 1945. O. G. Sept. 11. Class 17.
 Grant, W. T., & Co., assignor, by mesne assignments, to The Tobacco Rehandling Co. Limited Inc., Louisville, Ky. Leaf-tobacco. 45,703; re-renewed Aug. 29, 1945. O. G. Sept. 11. Class 17.
 Great Stuff Products Company, to Chris W. Lee, doing business as Great Stuff Products Company, Minneapolis, Minn., successor. Soap. 203,063; renewed Sept. 8, 1945. O. G. Sept. 11. Class 4.
 Hammel, Riglander & Co. Inc., New York, N. Y. Pliers, nippers, hammers, and hand vises. 416,419; Sept. 11; Serial No. 479,873; published July 3, 1945. Class 23.
 Hearst Magazines Inc., See—
 Good Housekeeping Co.
 Hudson Valley Pure Food Company, Inc., Highland, N. Y. Preserved fruits, jams, marshmallow topping, etc. 206,467; renewed Dec. 1, 1945. O. G. Sept. 11. Class 46.
 Hulman & Co., assignor to Hulman & Company, Terre Haute, Ind. Coffee. 46,619; re-renewed Sept. 26, 1945. O. G. Sept. 11. Class 46.
 Hulman & Co., assignor to Hulman & Company, Terre Haute, Ind. Cooking-soda. 47,968; re-renewed Nov. 28, 1945. O. G. Sept. 11. Class 6.
 Hulman & Company, See—
 Hulman & Co., assignor.
 Hume, G. W., Company, San Francisco, Calif. Canned fruits, canned vegetables. 206,167; renewed Nov. 24, 1945. O. G. Sept. 11. Class 46.
 Huston, Tom, doing business as Quick Stick Laboratories, Miami, Fla. Preparation for the relief of acid indigestion, etc. 416,463; Sept. 11. Class 6.
 Icet Company, See—
 MacMunn, H. Gordon.
 Iowa Canning Company, Vinton, Iowa. Canned vegetables. 204,065; renewed Oct. 6, 1945. O. G. Sept. 11. Class 46.
 Jackson Brewing Company, New Orleans, La. Malt tonic. 206,402; renewed Dec. 1, 1945. O. G. Sept. 11. Class 48.
 Jessup, Homer E., Atlanta, Ga., to Mark R. McGarry, St. Petersburg, Fla., successor. Liquid foot medicine. 205,001; renewed Oct. 27, 1945. O. G. Sept. 11. Class 6.
 Johns-Manville Corporation, New York, N. Y. Molded packing. 416,401; Sept. 11; Serial No. 475,516; published July 3, 1945. Class 35.
 Johnson Furniture Company, Grand Rapids, Mich. Wooden household furniture. 206,276; renewed Nov. 24, 1945. O. G. Sept. 11. Class 32.
 Jung, L. E., & Wulff Co. Inc., See—
 Jung, Louis E., assignor.
 Jung, Louis E., New Orleans, La., assignor, by mesne assignments, to L. E. Jung & Wulff Co. Inc., New York, N. Y. Bitter cordial. 47,486; re-renewed Nov. 7, 1945. O. G. Sept. 11. Class 49.
 Kautenberg, W. E., Company, doing business as Cell-U-Mop Co., Freeport, Ill. Squeegee or sponge rubber types of mops. 416,412; Sept. 11; Serial No. 479,131; published June 26, 1945. Class 29.
 Kelco Company, San Diego, Calif. Algin Product. 416,387; Sept. 11; Serial No. 462,315; published July 3, 1945. Class 46.
 Keuffel & Esser Company, Hoboken, N. J. Sensitized photographic papers and cloths. 416,409; Sept. 11; Serial No. 478,712; published July 3, 1945. Class 26.

LIST OF REGISTRANTS OF TRADE-MARKS

King Chemical Company, Inc., Topeka, Kans. Liquid chemical compound. 416,454; Sept. 11. Class 6.

King Refractories Company, Incorporated, assignor, by mesne assignments, to Sanford C. Smith Refractories, Inc., Buffalo, N. Y. High-temperature cement. 206,411; renewed Dec. 1, 1945. O. G. Sept. 11. Class 12.

Knickerbocker Mills Co., New York, N. Y. Pastry spice. 205,606; renewed Nov. 10, 1945. O. G. Sept. 11. Class 46.

Kroehler Mfg. Co., Naperville, Ill. Upholstered living room furniture. 416,428; Sept. 11; Serial No. 481,187; published July 3, 1945. Class 32.

Lafayette Drug Co., Inc.: See—
Antikemnia Chemical Company, The, assignor.

Lampl, Walter, New York, N. Y. Jewelry. 416,461; Sept. 11. Class 28.

Landers, Frary & Clark, New Britain, Conn. Cutlery. 416,410; Sept. 11; Serial No. 479,041; published July 3, 1945. Class 23.

Larned, Carter and Co., Detroit, Mich., assignor to The Crown Overall Mfg. Company, Cincinnati, Ohio. Coats, pants, overalls, and blouses. 47,849; re-renewed Nov. 28, 1945. O. G. Sept. 11. Class 39.

Lee, Chris W.: See—
Great Stuff Products Company.

Les Parfums De Dana, Inc., New York, N. Y. Vanity cases, compacts, and lipstick holders. 416,437; Sept. 11; Serial No. 482,162; published July 3, 1945. Class 2.

Lilly, Eli, and Company, The, assignor to Eli Lilly and Company, Indianapolis, Ind. Medicinal preparation. 45,794; re-renewed Aug. 29, 1945. O. G. Sept. 11. Class 6.

Lilly, Eli, and Company: See—
Lilly, Eli, and Company, The, assignor.

Link-Belt Company, Chicago, Ill. Grease cups. 206,187; renewed Nov. 24, 1945. O. G. Sept. 11. Class 23.

Lion Brand Yarn Company: See—
Calhoun Robbins & Co.

Lueders, George, assignor to George Lueders & Co., New York, N. Y. Flavoring extracts, perfumes, essential oils, etc. 27,326; re-renewed Nov. 26, 1945. O. G. Sept. 11. Classes 6 and 46.

Lueders, George, & Co.: See—
Lueders, George, assignor.

MacMunn, H. Gordon, doing business as Icet Company, Newark, N. J. Base preparation for cake icing. 416,425; Sept. 11; Serial No. 480,545; published July 3, 1945. Class 46.

Manufacturing Improvement Corporation, Boston, Mass. Emulsion of a solvent employed in tanning. 200,915; renewed July 14, 1945. O. G. Sept. 11. Class 6.

Mars, Stani, Jamaica, N. Y. Kits containing hair curling lotions, paper and wood curlers and covers. 416,458; Sept. 11. Class 50.

Marshall Field & Company, assignor to McCoy, Jones & Company, Inc., Chicago, Ill. Celluloid and wire hair pins. 205,855; renewed Nov. 17, 1945. O. G. Sept. 11. Class 40.

Martin Machine Company, Kewanee, Ill. Trailers. 416,398; Sept. 11; Serial No. 475,154; published July 3, 1945. Class 19.

Mathieson Alkali Works, The: See—
Southern Gypsum Company, Incorporated, assignor.

McBrady, Bernard, doing business as J. E. McBrady, Chicago, Ill. Preparation for dressing and coloring the hair. 416,445; Sept. 11. Class 6.

McBrady, J. E.: See—
McBrady, Bernard.

McCoy, Jones & Company, Inc.: See—
Marshall Field & Company, assignor.

McGarry, Mark R.: See—
Jessup, Homer E.

Moore Pen Company, The, doing business as Ward's, Boston, Mass. Fountain pens and mechanical pencils. 416,462; Sept. 11. Class 37.

Mountain City Mill Co. Inc., Chattanooga, Tenn. Cream meal. 206,089; renewed Nov. 24, 1945. O. G. Sept. 11. Class 46.

Murmann, Annie E., Danville, Ill. Medicine to be used in the treatment of functional disorders of the lungs. 200,429; renewed June 30, 1945. O. G. Sept. 11. Class 6.

Nancy China, Inc.: See—
Woodbridge Sanitary Pottery Corporation.

National Distilling Co., Milwaukee, Wis., assignor, by mesne assignments, to Philip Blum and Company, Inc., Chicago, Ill. Gin. 48,013; re-renewed Dec. 5, 1945. O. G. Sept. 11. Class 49.

National Silver Company, New York, N. Y. Wallets, pocketbooks, overnight cases, etc. 416,394; Sept. 11; Serial No. 473,951; published July 3, 1945. Class 3.

Niagara Alkali Company: See—
Electro Bleaching Gas Company, assignor.

Niagara Alkali Company, Niagara Falls, to Niagara Alkali Company, New York, N. Y. Caustic potash, caustic soda, bleaching powder, etc. 205,613; renewed Nov. 10, 1945. O. G. Sept. 11. Class 6.

Norton Company, Worcester, Mass. Abrading, grinding and lapping machines and attachments therefor not including abrading elements. 416,422; Sept. 11; Serial No. 480,296; published July 3, 1945. Class 23.

Oakes, Thomas, & Co., Inc.: See—
Oakes, Thos., & Co., assignor.

Oakes, Thos., & Co., assignor to Thomas Oakes & Co., Inc., Bloomfield, N. J. Cloth fabrics for suitings. 47,974; re-renewed Nov. 28, 1945. O. G. Sept. 11. Class 42.

Osborn Paper Company, Marion, Ind. Paper bags. 206,408; renewed Dec. 1, 1945. O. G. Sept. 11. Class 2.

Palmolive Company, The, Chicago, Ill., by change of name to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap in powdered form. 206,184; renewed Nov. 24, 1945. O. G. Sept. 11. Class 4.

Pandora Tobacco Co., Inc., Philadelphia, Pa. Cigars. 416,449; Sept. 11. Class 17.

Parker Pen Company, The, Janesville, Wis. Mechanical pencils and fountain pens. 198,667; renewed May 26, 1945. O. G. Sept. 11. Class 37.

Paterson Parchment Paper Company, Bristol, Pa., now by change of name, The Paterson Parchment Paper Company. Vegetable parchment and kraft paper. 416,456; Sept. 11. Class 37.

Paterson Parchment Paper Company, The: See—
Paterson Parchment Paper Company.

Pearson, J. C., Co., Boston, Mass., assignor to The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Nails. 45,489; re-renewed Aug. 22, 1945. O. G. Sept. 11. Class 13.

Pepper, Jas. E., & Co., Lexington, to Jas. E. Pepper & Company, Louisville, Ky., and New York, N. Y., successor. Whisky. 47,605; re-renewed Nov. 14, 1945. O. G. Sept. 11. Class 40.

Pepper, Jas. E., & Company: See—
Pepper, Jas. E., & Co.

Picker X-Ray Corporation, New York, N. Y. Developer for X-ray films. 416,465; Sept. 11. Class 6.

Planters Nut & Chocolate Company, The, Suffolk, Va., and Wilkes-Barre, Pa. Candy, salted peanuts, peanut meal, etc. 206,415; renewed Dec. 1, 1945. O. G. Sept. 11. Class 46.

Pope Manufacturing Company, Hartford, Conn., assignor, by mesne assignments, to The Westfield Manufacturing Company, Westfield, Mass. Bicycles and their parts. 27,192; re-renewed Nov. 5, 1945. O. G. Sept. 11. Class 19.

Port Huron Sulphite & Paper Co., Port Huron, Mich. White and colored sulphite papers, fruit wraps, imitation reed-furniture, etc. 205,935; renewed Nov. 17, 1945. O. G. Sept. 11. Class 37.

Port Huron Sulphite & Paper Co., Port Huron, Mich. White and colored sulphite papers, fruit wraps, imitation reed-furniture, etc. 206,019; renewed Nov. 24, 1945. O. G. Sept. 11. Class 37.

Powerline Company, The: See—
Denver Powerline Company, The.

Pro-phy-lactic Brush Company, assignor to Pro-phy-lactic Company, Northampton, Mass. Toothbrushes. 204,690; renewed Oct. 20, 1945. O. G. Sept. 11. Class 29.

Proportioners, Inc., Providence, R. I. Proportioning pumps, parts thereof, and bases therefor. 416,408; Sept. 11; Serial No. 478,407; published July 3, 1945. Class 23.

Puroator Products, Inc., Newark, N. J. Filters. 416,399; Sept. 11; Serial No. 475,335; published July 3, 1945. Class 23.

Quick Stick Laboratories: See—
Huston, Tom.

Radio Television Products Corporation, Grass Lake, Mich. Electronic inductances. 416,439; Sept. 11; Serial No. 482,347; published July 3, 1945. Class 21.

Reardon Company, The, St. Louis, Mo. Paint for cement in dry powder form. 206,202; renewed Nov. 24, 1945. O. G. Sept. 11. Class 16.

Richheimer, Jerome, New York, N. Y. Diamonds, pearls, precious and semi-precious stones and costume jewelry. 416,464; Sept. 11. Class 28.

Robeson Preserve Company: See—
Robeson, William B., assignor.

Robeson, William B., assignor to Robeson Preserve Company, Port Huron, Mich. Compound for waterproofing and weatherproofing cotton duck. 45,831; re-renewed Aug. 29, 1945. O. G. Sept. 11. Class 6.

Rossman, Jerry, Corporation, New York, N. Y. Textile fabrics in the piece. 416,468; Sept. 11. Class 42.

Rubicon doing business as The Antique Shoppe, New York, N. Y. Lamps containing liquid. 416,417; Sept. 11; Serial No. 479,601; published Jan. 26, 1945. Class 50.

Scheri & Roth, Inc., Cleveland, Ohio. Violin, viola, cello, guitar, etc. 416,433; Sept. 11; Serial No. 481,678; published July 3, 1945. Class 36.

Schloss & Kahn Grocery Co., Montgomery, Ala. Grape juice and ginger ale. 206,388; renewed Dec. 1, 1945. O. G. Sept. 11. Class 45.

Schroeder Bros. Inc., New York, N. Y. Cheese. 416,386; Sept. 11; Serial No. 458,486; published July 3, 1945. Class 46.

Siepmann, Albert, doing business as The Southern Manufacturing Company, St. Louis, Mo. Prepared mustard, pickles, vinegar, etc. 203,254; renewed Sept. 15, 1945. O. G. Sept. 11. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Singley, William H., Highland Park, Mich. Germicidal and fungicidal solution and scalp and hair aid. 416,467; Sept. 11. Class 6.

Slater, Mary, Cleveland, Ohio. Salve. 205,436; renewed Nov. 10, 1945. O. G. Sept. 11. Class 6.

Smith, Sanford C., Refractories, Inc.: See—
King Refractories Company, Incorporated, assignor.

Solar Aircraft Company, San Diego, Calif. Welding fluxes. 416,447; Sept. 11. Class 6.

Sonneborn, L., Sons, Inc., New York, N. Y. Liquid preparation to be incorporated with or applied to cement and concrete. 416,423; Sept. 11; Serial No. 480,476; published July 3, 1945. Class 12.

Southern Beverage Company, assignor, by mesne assignments, to Galveston-Houston Breweries, Inc., Galveston, Tex. Nonalcoholic beverages and sirups for making the same. 206,400; renewed Dec. 1, 1945. O. G. Sept. 11. Class 45.

Southern Gypsum Company, Incorporated, North Holston, Va., assignor to The Mathieson Alkali Works, New York, N. Y. Gypsum and lime gypsum and cement plaster. 204,634; renewed Oct. 20, 1945. O. G. Sept. 11. Class 12.

Southern Manufacturing Company: See—
Siepmann, Albert.

Sperry & Hutchinson Company, The, New York, N. Y. Bedspreads and handkerchiefs. 201,494; renewed July 28, 1945. O. G. Sept. 11. Classes 39 and 42.

Spott Electrical Co., Oakland, Calif. Cold cathode lighting tubes for illuminating purposes. 416,403; Sept. 11; Serial No. 476,702; published July 3, 1945. Class 21.

Staley Milling Company, North Kansas City, Mo. Wheat flour, corn meal, corn chop, etc. 206,452; renewed Dec. 1, 1945. O. G. Sept. 11. Class 46.

Standard Gage Company, Inc., Poughkeepsie, N. Y. Dial indicators. 416,404; Sept. 11; Serial No. 476,992; published July 3, 1945. Class 26.

Sterile Products Co., assignor to Sterile Products Co., Inc., San Diego, Calif. Tooth paste. 203,227; renewed Sept. 15, 1945. O. G. Sept. 11. Class 6.

Sterile Products Co., Inc.: See—
Sterile Products Co., assignor.

Sutro, Adolph N., Los Angeles, Calif. Propeller driven aircraft, propeller driven airplanes, gliders, etc. 416,389; Sept. 11; Serial No. 468,907; published July 3, 1945. Class 19.

T. V. L. Co., The, also doing business as The Tone-Up Co., Pasadena, Calif. Vitamin and mineral food supplement for animals. 416,448; Sept. 11. Class 6.

Tabb, H. E., Co.: See—
Tabb, Holmes B.

Tabb, Holmes B., doing business as H. E. Tabb Co., Oceano, Calif. Fresh vegetables. 416,430; Sept. 11; Serial No. 481,387; published July 3, 1945. Class 46.

Tennison Brothers Inc.: See—
Tennison, J. M.

Tennison, J. M., doing business as Tennison Bros., Texarkana, Ark., and Texarkana, Tex., to Tennison Brothers Inc., Texarkana, Ark., Texarkana, Tex., and Memphis, Tenn., successor. Oil cans. 206,392; renewed Dec. 1, 1945. O. G. Sept. 11. Class 2.

Texfan Company, Houston, Tex. Electrically driven fans of the circular type. 416,415; Sept. 11; Serial No. 479,540; published July 3, 1945. Class 21.

Tobacco Rehandling Co. Limited Inc., The: See—
Grant, W. T., & Co., assignor.

Tone-Up Co., The: See—
T. V. L. Co., The.

Toni, Inc., St. Paul, Minn. Home permanent waving kit. 416,405; Sept. 11; Serial No. 477,286; published July 3, 1945. Class 50.

Transformer Engineering Corporation, Cleveland, Ohio. Transformers, ballasts, reactors, etc. 416,438; Sept. 11; Serial No. 482,303; published July 3, 1945. Class 21.

Tremco Manufacturing Company, The, Cleveland, Ohio. Mastic compound. 416,434; Sept. 11; Serial No. 481,763; published July 3, 1945. Class 12.

Trimfoot Company: See—
Wizard Lightfoot Appliance Company.

20th Century Chemical Company, Camden, N. J. Auto polishing kit containing pre-wax cleaner, liquid wax, polishing mittens, etc. 416,384; Sept. 11; Serial No. 432,802; published Nov. 25, 1941. Class 16.

Union Cutlery Co., Inc., Olean, N. Y. Butcher knives, paring knives, pocketknives, etc. 202,451; renewed Aug. 25, 1945. O. G. Sept. 11. Class 23.

United Gilsonite Laboratories, Scranton, Pa. Patching plaster. 416,442; Sept. 11. Class 12.

Van Dell Co., Providence, R. I. Ladies' jewelry. 416,451; Sept. 11. Class 28.

Ward's: See—
Moore Pen Company, The.

Weis, Arthur, doing business as Artag Engineering Works, Chicago, Ill. Bracket clamps. 416,443; Sept. 11. Class 13.

Westfield Manufacturing Company, The: See—
Pope Manufacturing Company, assignor.

Weston Electrical Instrument Corporation, Newark, N. J. Electrical relays. 416,414; Sept. 11; Serial No. 479,319; published July 3, 1945. Class 21.

Whittier, M. H., Co., Ltd.: See—
Whittier, M. H., Company.

Whittier, M. H., Company, Los Angeles, Calif., by change of name to M. H. Whittier Co., Ltd. Dates, onions, grapefruit, etc. 203,951; renewed Sept. 29, 1945. O. G. Sept. 11. Class 46.

Willey, C. A., Company: See—
Willey, Charles A., assignor.

Willey, Charles A., New York, assignor to C. A. Willey Company, Long Island City, N. Y. Thinners and colors. 45,664; re-renewed Aug. 29, 1945. O. G. Sept. 11. Class 16.

Wizard Lightfoot Appliance Company, St. Louis, by change of name to Trimfoot Company, Farmington, Mo. Arch supports, heel levelers, heel rests, etc. 206,483; renewed Dec. 1, 1945. O. G. Sept. 11. Class 44.

Woodbridge Sanitary Pottery Corporation, Woodbridge, N. J., assignor to Nancy China, Inc., Chicago, Ill. Ceramic statuary and figurines. 416,457; Sept. 11. Class 50.

Woolson Spice Company, Toledo, Ohio. Coffee. 204,425; renewed Oct. 20, 1945. O. G. Sept. 11. Class 46.

Wright's Underwear Company, Inc.: See—
Glastonbury Knitting Company, assignor.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 2

Bags, Paper. Osborn Paper Company. 206,408; renewed Dec. 1, 1945. O. G. Sept. 11.

Cans, Oil. J. M. Tennison. 206,392; renewed Dec. 1, 1945. O. G. Sept. 11.

Cases, compacts and lipstick holders. Vanity. Les Parfums De Dana, Inc. 416,437; Sept. 11; Serial No. 482,162; published July 3, 1945.

Compacts. Allied Plastics Company. 416,390-1; Sept. 11; Serial Nos. 470,062-3; published July 3, 1945.

Tanks, Metal. Brown Steel Tank Company. 416,420-1; Sept. 11; Serial Nos. 480,102-3; published July 3, 1945.

CLASS 3

Leather goods. Brown & Bigelow. 416,393; Sept. 11; Serial No. 470,958; published July 3, 1945.

Portfolios, Canvas. Callaway Mills. 416,395; Sept. 11; Serial No. 474,572; published July 3, 1945.

Wallets, pocketbooks, overnight cases, etc. National Silver Company. 416,394; Sept. 11; Serial No. 473,951; published July 3, 1945.

CLASS 4

Soap. Great Stuff Products Company. 203,063; renewed Sept. 8, 1945. O. G. Sept. 11.

Soap in powdered form. Palmolive Company. 206,184; renewed Nov. 24, 1945. O. G. Sept. 11.

CLASS 5

Adhesives of cellulose material for general use. Callaway Mills. 416,396; Sept. 11; Serial No. 474,574; published July 3, 1945.

Cements, Waterproof adhesive. Cork Import Corporation. 416,431; Sept. 11; Serial No. 481,522; published July 3, 1945.

CLASS 6

Chemical compound, Liquid. King Chemical Company, Inc. 416,454; Sept. 11.

Chlorine, Liquid. Electro Bleaching Gas Company. 205,193-4; renewed Nov. 3, 1945. O. G. Sept. 11.

Compound for waterproofing and weatherproofing cotton duck. W. B. Robeson. 45,831; re-renewed Aug. 29, 1945. O. G. Sept. 11.

Cooking-soda. Hulman & Co. 47,968; re-renewed Nov. 28, 1945. O. G. Sept. 11.

Developer for X-ray films. Picker X-Ray Corporation. 416,465; Sept. 11.

Emulsion of a solvent employed in tanning. Manufacturing Improvement Corporation. 200,915; renewed July 14, 1945. O. G. Sept. 11.

Extracts, perfumes, essential oils, etc. Flavoring. G. Lueders. 27,326; re-renewed Nov. 26, 1945. O. G. Sept. 11.

Fluxes, Welding. Solar Aircraft Company. 416,447; Sept. 11.

Food supplement for animals. Vitamin and mineral. T. V. L. Co. 416,448; Sept. 11.

Foot medicine, Liquid. H. E. Jessup. 205,001; renewed Oct. 27, 1945. O. G. Sept. 11.
 Germicidal and fungicidal solution and scalp and hair aid. W. H. Singley. 416,467; Sept. 11.
 Germicide or antiseptic. Abbott Laboratories. 205,507; renewed Nov. 10, 1945. O. G. Sept. 11.
 Medicinal preparation. Eli Lilly & Company. 45,794; re-renewed Aug. 29, 1945. O. G. Sept. 11.
 Medicine, Cough. M. E. Elliott. 416,452; Sept. 11.
 Medicine to be used in the treatment of functional disorders of the lungs, etc. Annie Elizabeth Murrmann. 200,429; renewed June 30, 1945. O. G. Sept. 11.
 Perfumes. Bonwit Teller, Inc. 416,455; Sept. 11.
 Potash, caustic soda, bleaching powder, etc., Caustic. Niagara Alkali Company. 205,613; renewed Nov. 10, 1945. O. G. Sept. 11.
 Powder, Body dusting. Galen Laboratories. 416,450; Sept. 11.
 Preparation for dressing and coloring the hair. B. McBrady. 416,445; Sept. 11.
 Preparation for the relief of acid indigestion, etc. T. Huston. 416,463; Sept. 11.
 Preparation for use as a deodorant. Anderson-Stolz Pharmaceuticals. 416,453; Sept. 11.
 Remedy for pain and fever, etc. Antikamnia Chemical Company. 47,939; re-renewed Nov. 28, 1945. O. G. Sept. 11.
 Salve. M. Slater. 205,436; renewed Nov. 10, 1945. O. G. Sept. 11.
 Specific for the cure of kidney and analogous complaints. Foster Milburn Co. 45,864; re-renewed Aug. 29, 1945. O. G. Sept. 11.
 Tobacco extract. G. Bruning Tobacco Extract Company. 206,007; renewed Nov. 24, 1945. O. G. Sept. 11.
 Tooth paste. Sterile Products Co. 203,227; renewed Sept. 15, 1945. O. G. Sept. 11.
 Witch hazel and mentha plasters. Davis & Lawrence Company. 416,460; Sept. 11.

CLASS 8

Pouches and pipes, Tobacco. Emms Company. 416,446; Sept. 11.

CLASS 12

Casings for underground steam mains. American District Steam Company. 206,445; renewed Dec. 1, 1945. O. G. Sept. 11.
 Cement, High-temperature. King Refractories Company, Incorporated. 206,411; renewed Dec. 1, 1945. O. G. Sept. 11.
 Gypsum and lime gypsum and cement plaster. Southern Gypsum Company, Incorporated. 204,634; renewed Oct. 20, 1945. O. G. Sept. 11.
 Mastic compound. Tremco Manufacturing Company. 416,434; Sept. 11; Serial No. 481,763; published July 3, 1945.
 Plaster, Patching. United Gilsonite Laboratories. 416,442; Sept. 11.
 Preparation to be incorporated with or applied to cement and concrete. L. Sonneborn Sons, Inc. 416,423; Sept. 11; Serial No. 480,476; published July 3, 1945.

CLASS 13

Bellows of metal. Cook Electric Company. 416,385; Sept. 11; Serial No. 457,238; published June 26, 1945.
 Clamps, Bracket. A. Weis. 416,443; Sept. 11.
 Hooks. Electric Steel Foundry. 416,459; Sept. 11.
 Nails. J. C. Pearson Co. 45,489; re-renewed Aug. 22, 1945. O. G. Sept. 11.
 Water softeners and filters of the chemical container type. Bruner Corporation. 416,424; Sept. 11; Serial No. 480,501; published July 3, 1945.

CLASS 15

Oils and lubricating greases, Lubricating. Denver Powerline Company. 204,985; renewed Oct. 27, 1945. O. G. Sept. 11.

CLASS 16

Paint for cement in dry powder form. Reardon Company. 206,202; renewed Nov. 24, 1945. O. G. Sept. 11.
 Polishing kit containing pre-wax cleaner, liquid wax, polishing mitten, etc. 20th Century Chemical Company. 416,384; Sept. 11; Serial No. 432,802; published Nov. 25, 1941.
 Thinners and colors. C. A. Willey. 45,664; re-renewed Aug. 29, 1945. O. G. Sept. 11.

CLASS 17

Cigars. J. M. F. Castillo. 416,444; Sept. 11.
 Cigars. Pandora Tobacco Co., Inc. 416,449; Sept. 11.
 Leaf-tobacco. W. T. Grant & Co. 45,676; re-renewed Aug. 29, 1945. O. G. Sept. 11.
 Leaf-tobacco. W. T. Grant & Co. 45,703; re-renewed Aug. 29, 1945. O. G. Sept. 11.
 Tobacco, cigars, cigarettes, etc., Smoking. Gallaher, Limited. 204,462; renewed Oct. 20, 1945. O. G. Sept. 11.

CLASS 19

Aircraft, propeller driven airplanes, gliders, etc., Propeller driven. A. N. Sutor. 416,389; Sept. 11; Serial No. 468,907; published July 3, 1945.
 Bicycles and their parts. Pope Manufacturing Company. 27,192; re-renewed Nov. 5, 1945. O. G. Sept. 11.
 Trailers. Martin Machine Company. 416,398; Sept. 11; Serial No. 475,154; published July 3, 1945.

CLASS 21

Electric relays, electric flashers, timing controls, etc. Betts & Betts Corporation. 416,397; Sept. 11; Serial No. 474,649; published July 3, 1945.
 Electrical relays. Weston Electrical Instrument Corporation. 416,414; Sept. 11; Serial No. 479,319; published July 3, 1945.
 Electrically driven fans of the circular type. Texfan Company. 416,415; Sept. 11; Serial No. 479,540; published July 3, 1945.
 Electronic inductances. Radio Television Products Corporation. 416,439; Sept. 11; Serial No. 482,347; published July 3, 1945.
 Furnaces, Electric. Ajax Metal Company. 416,392; Sept. 11; Serial No. 470,593; published June 19, 1945.
 Holders, Electrode. Air Reduction Sales Company. 416,413; Sept. 11; Serial No. 479,322; published July 3, 1945.
 Transformers, ballasts, reactors, etc. Transformer Engineering Corporation. 416,438; Sept. 11; Serial No. 482,303; published July 3, 1945.
 Tubes for illuminating purposes, Cold cathode lighting. Spott Electrical Co. 416,403; Sept. 11; Serial No. 476,702; published July 3, 1945.

CLASS 23

Abrading, grinding, and lapping machines and attachments therefor not including abrading elements. Norton Company. 416,422; Sept. 11; Serial No. 480,296; published July 3, 1945.
 Cups, Grease. Link-Belt Company. 206,187; renewed Nov. 24, 1945. O. G. Sept. 11.
 Cutlery. Landers, Frary & Clark. 416,410; Sept. 11; Serial No. 479,041; published July 3, 1945.
 Decorator sets, Cake. B. T. Babbitt, Inc. 416,418; Sept. 11; Serial No. 479,611; published July 3, 1945.
 Excavating and material handling equipment. Acme Wire & Iron Works. 416,466; Sept. 11.
 Filters. Puroator Products, Inc. 416,399; Sept. 11; Serial No. 475,335; published July 3, 1945.
 Knives, paring knives, pocketknives, etc., Butcher. Union Cutlery Co., Inc. 202,451; renewed Aug. 25, 1945. O. G. Sept. 11.
 Mining machinery. Goodman Manufacturing Company. 205,233; renewed Nov. 3, 1945. O. G. Sept. 11.
 Pliers, nippers, hammers, and hand vises. Hammel, Riglander & Co. Inc. 416,419; Sept. 11; Serial No. 479,873; published July 3, 1945.
 Pumps, parts thereof and bases therefor, Proportioning. Proportioners, Inc. 416,408; Sept. 11; Serial No. 478,407; published July 3, 1945.
 Screw-wrenches, Adjustable. Coes Wrench Co. 47,177-8; re-renewed Oct. 31, 1945. O. G. Sept. 11.
 Wrenches and twisting tool sets. Blackhawk Mfg. Co. 416,406; Sept. 11; Serial No. 477,349; published July 3, 1945.

CLASS 26

Cameras, Photographic. Folmer Graflex Corporation. 416,426; Sept. 11; Serial No. 481,016; published July 3, 1945.
 Cameras, Photographic. Folmer Graflex Corporation. 416,432; Sept. 11; Serial No. 481,577; published June 5, 1945.
 Film, Sensitized photographic. Di-Noc Manufacturing Company. 416,407; Sept. 11; Serial No. 477,497; published July 3, 1945.
 Film, Sensitized photographic. Di-Noc Company. 416,436; Sept. 11; Serial No. 481,888; published July 3, 1945.
 Indicators, Dial. Standard Gage Company, Inc. 416,404; Sept. 11; Serial No. 476,902; published July 3, 1945.
 Photographic equipment and/or photographic accessories and/or photographic supplies. Folmer Graflex Corporation. 416,429; Sept. 11; Serial No. 481,219; published June 5, 1945.
 Photographic film, Sensitized. Ansco Photoproducts, Inc. 205,723; renewed Nov. 17, 1945. O. G. Sept. 11.
 Photographic materials, particularly film, Sensitized. Ansco Photoproducts, Inc. 204,227; renewed Oct. 13, 1945. O. G. Sept. 11.
 Photographic papers and cloths, Sensitized. Keuffel & Esser Company. 416,409; Sept. 11. Serial No. 478,712; published July 3, 1945.

CLASS 28

Diamonds, pearls, precious and semi-precious stones, and costume jewelry. J. Richheimer. 416,464; Sept. 11.
 Jewelry. W. Lampl. 416,461; Sept. 11.
 Jewelry, Ladies'. Van Dell Co. 416,451; Sept. 11.

CLASS 29

Mops, Squeegee or sponge rubber types of. W. E. Kautenberg Company. 416,412; Sept. 11; Serial No. 479,131; published June 26, 1945.
 Toothbrushes. Prophy-lac-tic Brush Company. 204,690; renewed Oct. 20, 1945. O. G. Sept. 11.

CLASS 32

Furniture, Upholstered living room. Kroehler Mfg. Co. 416,428; Sept. 11; Serial No. 481,187; published July 3, 1945.
 Furniture, Wooden household. Johnson Furniture Company. 206,276; renewed Nov. 24, 1945. O. G. Sept. 11.

CLASS 35

Packing, Molded. Johns-Manville Corporation. 416,401; Sept. 11; Serial No. 476,516; published July 3, 1945.

CLASS 36

Violin, viola, cello, guitar, etc. Scherl & Roth, Inc. 416,433; Sept. 11; Serial No. 481,678; published July 3, 1945.

CLASS 37

Papers, fruit wraps, imitation reed-furniture, etc., White and colored sulphite. Port Huron Sulphite & Paper Co. 205,935; renewed Nov. 17, 1945. O. G. Sept. 11.
 Parchment and kraft paper, Vegetable. Paterson Parchment Paper Company. 416,456; Sept. 11.
 Pencils and fountain pens, Mechanical. Parker Pen Company. 198,667; renewed May 26, 1945. O. G. Sept. 11.
 Pens and mechanical pencils, Fountain. Moore Pen Company. 416,462; Sept. 11.
 Sulphite papers, fruit wraps, imitation-reed furniture, etc., White and colored. Port Huron Sulphite & Paper Co. 206,019; renewed Nov. 24, 1945. O. G. Sept. 11.

CLASS 38

Magazine, Illustrated weekly. Curtis Publishing Company. 44,432-3; re-renewed July 4, 1945. O. G. Sept. 11.
 Magazine, Monthly. Curtis Publishing Company. 44,395; re-renewed July 4, 1945. O. G. Sept. 11.
 Periodicals. Good Housekeeping Co. 46,028; re-renewed Sept. 5, 1945. O. G. Sept. 11.

CLASS 39

Bedspreads and handkerchiefs. Sperry & Hutchinson Company. 201,494; renewed July 28, 1945. O. G. Sept. 11.
 Coats, pants, overalls, and blouses. Larned, Carter and Co. 47,849; re-renewed Nov. 28, 1945. O. G. Sept. 11.
 Garters, belts, suspenders, etc. Cordo-Hyde Company. 197,023; renewed Apr. 7, 1945. O. G. Sept. 11.
 Overcoats, Men's and children's. Cohen, Goldman & Co., Inc. 206,136; renewed Nov. 24, 1945. O. G. Sept. 11.
 Suits, coats, and jackets, Women's ready-to-wear. J. L. Goldberg. 416,411; Sept. 11; Serial No. 479,119; published June 12, 1945.
 Undergarments, Ladies' and misses' close-fitting. F. C. Barnard. 416,441; Sept. 11.
 Underwear, Knitted. Glastonbury Knitting Company. 48,042; re-renewed Dec. 5, 1945. O. G. Sept. 11.

CLASS 40

Hair pins, Celluloid and wire. Marshall Field & Company. 205,855; renewed Nov. 17, 1945. O. G. Sept. 11.

CLASS 42

Bedspreads and handkerchiefs. Sperry & Hutchinson Company. 201,494; renewed July 28, 1945. O. G. Sept. 11.
 Chiffon in the piece. Garfinkel & Ritter. 205,730; renewed Nov. 17, 1945. O. G. Sept. 11.
 Cotton goods in piece form. Georgia-Kincaid Mills. 201,526; renewed July 28, 1945. O. G. Sept. 11.
 Cloth fabric for suitings. Thos. Oakes & Co. 47,974; re-renewed Nov. 28, 1945. O. G. Sept. 11.
 Fabrics. British Celanese Limited. 203,741; renewed Sept. 22, 1945. O. G. Sept. 11.
 Textile fabrics in the piece. Jerry Rossman Corporation. 416,468; Sept. 11.

CLASS 43

Yarns, woolen threads, Shetland floss, etc. Calhoun, Robbins & Co. 45,537; re-renewed Aug. 22, 1945. O. G. Sept. 11.

CLASS 44

Cardiographs. G. & G. Precision Works, Inc. 416,402; Sept. 11; Serial No. 476,671; published July 3, 1945.
 Driers, permanent hair waving machines and accessories, Electric hair. Eugene, Ltd. 416,416; Sept. 11; Serial No. 479,562; published July 3, 1945.

Pads and napkins, Sanitary. H. F. Cook. 416,435; Sept. 11; Serial No. 481,836; published July 3, 1945.
 Supports, heel levelers, heel rests, etc., Arch. Wizard Lightfoot Appliance Company. 206,483; renewed Dec. 1, 1945. O. G. Sept. 11.

CLASS 45

Beverages and sirups for making the same, Nonalcoholic. Southern Beverage Company. 206,400; renewed Dec. 1, 1945. O. G. Sept. 11.
 Juice and ginger ale, Grape. Schloss & Kahn Grocery Co. 206,388; renewed Dec. 1, 1945. O. G. Sept. 11.

CLASS 46

Algin product. Kelco Company. 416,387; Sept. 11; Serial No. 462,315; published July 3, 1945.
 Base preparation for cake icing. H. Gordon Mac Munn. 416,425; Sept. 11; Serial No. 480,545; published July 3, 1945.
 Candy, salted peanuts, peanut meal, etc. Planters Nut & Chocolate Company. 206,415; renewed Dec. 1, 1945. O. G. Sept. 11.
 Canned fruits, canned vegetables. G. W. Hume Company. 206,167; renewed Nov. 24, 1945. O. G. Sept. 11.

Canned mushrooms. Concord Foods, Inc. 416,440; Sept. 11; Serial No. 462,671; published July 3, 1945.
 Canned vegetables. Iowa Canning Company. 204,065; renewed Oct. 8, 1945. O. G. Sept. 11.
 Cheese. Schroeder Bros. Inc. 416,386; Sept. 11; Serial No. 458,486; published July 3, 1945.

Coffee. Hulman & Co. 46,619; re-renewed Sept. 26, 1945. O. G. Sept. 11.
 Coffee. Woolson Spice Company. 204,425; renewed Oct. 20, 1945. O. G. Sept. 11.

Dates, onions, grapefruit, etc. M. H. Whittier Company. 203,951; renewed Sept. 29, 1945. O. G. Sept. 11.
 Dressing, Salad. Otis Clapp & Son, Inc. 204,155; renewed Oct. 6, 1945. O. G. Sept. 11.
 Extracts, perfumes, essential oils, etc., Flavoring. G. Leuders. 27,326; re-renewed Nov. 26, 1945. O. G. Sept. 11.

Flour, corn meal, corn chop, etc., Wheat. Staley Milling Company. 206,452; renewed Dec. 1, 1945. O. G. Sept. 11.

Flour, Self-rising wheat. Birdsey Flour Mills. 206,451; renewed Dec. 1, 1945. O. G. Sept. 11.
 Fruits, Fresh citrus. Central Lemon Association. 205,761; renewed Nov. 17, 1945. O. G. Sept. 11.

Fruits, Fresh citrus. Central Lemon Association. 205,951-2; renewed Nov. 17, 1945. O. G. Sept. 11.
 Fruits, jams, marshmallow topping, etc., Preserved. Hudson Valley Pure Food Company, Inc. 206,467; renewed Dec. 1, 1945. O. G. Sept. 11.

Grapefruit, fresh tangerines, Fresh. H. W. Forbes. 205,772; renewed Nov. 7, 1945. O. G. Sept. 11.
 Meal, Cream. Mountain City Mill Co. Inc. 206,089; renewed Nov. 24, 1945. O. G. Sept. 11.

Mustard, pickles, vinegar, etc., Prepared. Albert Slepman. 203,254; renewed Sept. 15, 1945. O. G. Sept. 11.
 Noodles, Fried ready-to-serve. Breyer Ice Cream Company, Inc. 416,400; Sept. 11; Serial No. 476,357; published July 3, 1945.

Preserves, jellies and marmalades, Berry. Diamond T Preserving Co. 416,427; Sept. 11; Serial No. 481,179; published July 3, 1945.

Spice, Pastry. Knickenbocker Mills Co. 205,606; renewed Nov. 10, 1945. O. G. Sept. 11.
 Vegetables, Fresh. H. B. Tabb. 416,430; Sept. 11; Serial No. 481,387; published July 3, 1945.

CLASS 48

Tonic, Malt. Jackson Brewing Company. 206,402; renewed Dec. 1, 1945. O. G. Sept. 11.

CLASS 49

Cordial, Bitter. L. E. Jung. 47,486; re-renewed Nov. 7, 1945. O. G. Sept. 11.
 Gin. National Distilling Co. 48,013; re-renewed Dec. 5, 1945. O. G. Sept. 11.
 Whisky. Jas. E. Pepper & Co. 47,605; re-renewed Nov. 14, 1945. O. G. Sept. 11.

CLASS 50

Knits containing hair curling lotions, paper and wood curlers. S. Mars. 416,458; Sept. 11.
 Lamps containing liquid. Rubicon. 416,417; Sept. 11; Serial No. 479,601; published June 26, 1945.

Religious and gift statues, statuettes, artificial flowers, etc. J. B. Cuneo. 416,388; Sept. 11; Serial No. 465,129; published Apr. 25, 1944.

Statuary and figurines, Ceramic. Woodbridge Sanitary Pottery Corporation. 416,457; Sept. 11.

Waving kit, Home permanent. Toni, Inc. 416,405; Sept. 11; Serial No. 477,286; published July 3, 1945.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF SEPTEMBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening means. Re. 22,673; Sept. 11.

Tinnerman Products, Inc.: See—
Tinnerman, George A., assignor.

LIST OF DESIGN PATENTEES

Baker, Abraham M., Providence, R. I. Ball tossing toy. 142,367; Sept. 11.
Bourdus, John P., New York, N. Y. Baby's tray. 142,366; Sept. 11.
Cooke, Ernest S., Chillicothe, Kans. Tractor. 142,365; Sept. 11.
Etkin, Simon, New York, N. Y. Jacket. 142,364; Sept. 11.
Goodman, Harry, Britton, Okla. Air conditioning vaporizer. 142,363; Sept. 11.
Gutz, Raymond T.: See—
Swainson, A., and Gutz.
Gutz, Raymond T., Park Ridge, and A. Swainson, assignors to Montgomery Ward & Co., Incorporated, Chicago, Ill. Croquet rack. 142,352; Sept. 11.
Hamburger, Adolf: See—
Hamburger, William, assignor.
Hamburger, William, assignor of one-half to A. Hamburger, New York, N. Y. Fur lined shoulder pad for therapeutic purposes. 142,354; Sept. 11.
Hamer, Leland S., Long Beach, Calif. Pipe-line control fitting. 142,362; Sept. 11.
Hanle, Benjamin W., Elizabeth, N. J. Penholder. 142,361; Sept. 11.

Hieb, Herbert, Des Moines, Iowa. Toy farm implement. 142,359; Sept. 11.
Hieb, Herbert, Des Moines, Iowa. Toy farm implement. 142,360; Sept. 11.
Montgomery Ward & Co., Incorporated: See—
Gutz, R. T., and Swainson, assignors.
Swainson, A., and Gutz, assignors.
Scheffler, Raymond J., See—
Stewart, Don E., assignor.
Stewart, Don E., assignor to R. J. Scheffler, Grand Rapids, Mich. Flatiron. 142,355; Sept. 11.
Swainson, Anne: See—
Gutz, R. T., and Swainson.
Swainson, Anne, Chicago, and R. T. Gutz, Park Ridge, assignors to Montgomery Ward & Co., Incorporated, Chicago, Ill. Croquet rack. 142,353; Sept. 11.
Turkel, Henry, Detroit, Mich. Biopsy needle unit. 142,358; Sept. 11.
Vallevona, Antonio, Providence, R. I. Picture frame. 142,356; Sept. 11.
Younghusband, James L., Chicago, Ill. Combination money clip and watch. 142,357; Sept. 11.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF SEPTEMBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Agriculture, of the United States of America, Claude R. Wickard, and his successors in office, Secretary of: See—Cowan, J. C., and Teeter, assignors.
Aktiengesellschaft Fuer Technische Studien: See—Villiger, Eugen, assignor.
Alexander, John M., Lincoln, Nebr. Coin-controlled liquid dispensing apparatus. 2,384,585; Sept. 11.
Alf, Alfred I.: See—Doran, H. M., Jackson, and Alf.
Allen Property Custodian: See—Orlich, P., and Hartz.
Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,384,518; Sept. 11.
Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,384,519; Sept. 11.
Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Spring gauging device. 2,384,520; Sept. 11.
Allgeo, Fred J., San Francisco, Calif. Level. 2,384,586; Sept. 11.
American Cyanamid Company: See—Ashley, Kenneth D., assignor.
Hill, William H., assignor.
American Platinum Works, The: See—Strelcher, Johann S., assignor.
American Steel Foundries: See—Kline, E. P., and Kaylor, assignors.
American Tool & Machine Co.: See—Tholl, John F., assignor.
American Tool Works Company, The: See—Hoelscher, William G., assignor.
Anaconda Copper Mining Company: See—Doran, H. M.; Jackson, and Alf, assignors.
Ancell, Nathan S., New York, N. Y. Platform and leg construction. 2,384,426; Sept. 11.
Andersen, Bjorn, Maplewood, N. J., and R. F. Strasdin, New York, N. Y., assignors, by mesne assignments, to Celanese Corporation of America. Extruding thermoplastic compositions. 2,384,521; Sept. 11.
Anderson, Mads P., Woburn, Mass. Greenhouse construction. 2,384,719; Sept. 11.
Andis, Mathew, assignor to Andis Clipper Company, Racine, Wis. Massage apparatus. 2,384,427; Sept. 11.
Andis Clipper Company: See—Andis, Mathew, assignor.
Apostolescu, Stefan, New York, N. Y. Helicopter. 2,384,445; Sept. 11.
Arens Controls, Inc.: See—Norton, Calhoun, assignor.
Ashley, Kenneth D., Noroton, Conn., assignor to American Cyanamid Company, New York, N. Y. Neutralizing crude nitrogen dioxide. 2,384,446; Sept. 11.
Automatic Telephone & Electric Company Limited: See—Corner, Arthur C., assignor.
Averitt, Raymond E., Albany, Ga. Agricultural implement. 2,384,522; Sept. 11.
Aviation Developments Limited: See—Bettington, Egerton M., assignor.
Axt, Mojzesz O., assignor to F. W. Berk and Company Limited, London, England. Production of sirconia. 2,384,428; Sept. 11.
Babcock, Gordon M., F. B. Rethwisch, and V. E. Furnas, Louisville, Ky., assignors to Reynolds Metals Company, Richmond, Va. Chemical heating container. 2,384,720; Sept. 11.
Badenhausen, John P., Philadelphia, Pa. System for generating steam. 2,384,587; Sept. 11.
Badenhausen, John P., Philadelphia, Pa. Steam generator. 2,384,588; Sept. 11.
Baldenhofer, William G., assignor to The Thompson Grinder Company, Springfield, Ohio. Bearing for rotary spindles. 2,384,589; Sept. 11.
Baldenhofer, William G., assignor to The Thompson Grinder Company, Springfield, Ohio. Lubricating system for machine tools. 2,384,590; Sept. 11.
Baldwin, Clyde P., and H. H. Vanderzee, Claremont, N. H., assignors to Sullivan Machinery Company. Control mechanism for mining apparatus. 2,384,447; Sept. 11.
Ball, Mildred S., assignor to Pacific Olive Company, Visalia, Calif. Tool for stuffing pimiento and the like. 2,384,429; Sept. 11.
Banker, Oscar H., assignor to New Products Corporation, Chicago, Ill. Transmission. 2,384,448; Sept. 11.
Barber Asphalt Corporation: See—Douthett, Orin R., assignor.
Barries, Richard, Susanville, Calif. Trailer. 2,384,591; Sept. 11.
Bartels Bros. Company, The: See—Lupton, Elmer H., assignor.

Bartlett, C. O., & Snow Company, The: See—Smith, Benjamin A., assignor.
Bausch & Lomb Optical Company: See—Brandt, J. F., and Stegeman, assignors.
Flint, Edward F., assignor.
Swope, Joe E., Jr., assignor.
Turner, Arthur F., assignor.
Bean, Frederic R., assignor to Eastman Kodak Company, Rochester, N. Y. Single-powder photographic developers. 2,384,592; Sept. 11.
Bean, Frederic R., assignor to Eastman Kodak Company, Rochester, N. Y. Antifoggant. 2,384,593; Sept. 11.
Beardslee, William H., El Segundo, assignor to North American Aviation, Inc., Inglewood, Calif. Aircraft gun installation. 2,384,430; Sept. 11.
Beaver Tool & Engineering Corp.: See—Cherry, Charles A., assignor.
Beers, Royce L., Birmingham, assignor to Detroit Stoker Company, Monroe, Mich. Stoker. 2,384,432; Sept. 11.
Beers, Royce L., Birmingham, assignor to Detroit Stoker Company, Monroe, Mich. Grate. 2,384,433; Sept. 11.
Beestrum, Olaf G., St. Louis County, assignor to Samuels Shoe Company, St. Louis, Mo. Shoe construction. 2,384,431; Sept. 11.
Bell Aircraft Corporation: See—Young, Arthur M., assignor.
Bell Telephone Laboratories, Incorporated: See—Carr, James A., assignor.
Davey, James R., assignor.
Hersey, Ralph E., assignor.
Massonneau, Robert F., assignor.
Bellamy, Albert L.: See—Bellamy, Malcolm R., assignor.
Bellamy, Malcolm R., assignor of fifty per cent to A. L. Bellamy, Kingsport, Tenn. Sheet delivery control arrangement in printing presses. 2,384,523; Sept. 11.
Benning, Anthony F., Woodstown, N. J., and J. D. Park, assignor to Kinetic Chemicals, Inc., Wilmington, Del. Separating fluorine compounds. 2,384,449; Sept. 11.
Berk, F. W., and Company Limited: See—Axt, Mojzesz O., assignor.
Best, Frank A., Windsor, Ontario, Canada. Reflecting device for signs and the like. 2,384,524; Sept. 11.
Bethlehem Steel Company: See—Ward, Clemson H., assignor.
Bettington, Egerton M., Welwyn Garden City, assignor to Aviation Developments Limited, London, England. Riveting tool. 2,384,434; Sept. 11.
Beverly, Charles S., Brooklyn, N. Y. Pop-up spud wrench. 2,384,525; Sept. 11.
Bieber, Clarence G., Huntington, W. Va., assignor to The International Nickel Company, Inc., New York, N. Y. Alloy for permanent magnets. 2,384,450; Sept. 11.
Bierman, Harry C., New Rochelle, N. Y. Protective armor. 2,384,594; Sept. 11.
Bigelow-Sanford Carpet Co., Inc.: See—Quinn, F. B., and Levitch, assignors.
Bingham, George H., Jr., Lincoln, assignor to Cambridge Rubber Company, Cambridge, Mass. Life preserving apparatus. 2,384,721; Sept. 11.
Blain, Albert, Philadelphia, Pa., assignor to Radio Corporation of America. Facsimile recorder. 2,384,722; Sept. 11.
Blair, Charles M., Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Lubricating oil. 2,384,595; Sept. 11.
Blair, Chester A.: See—Keese, B. W., and Blair.
Blake, William F., Chicago, Ill. Fire extinguisher. 2,384,526; Sept. 11.
Blesi, Walter F., assignor to The Sheffield Corporation, Dayton, Ohio. Machine tool. 2,384,527; Sept. 11.
Bliss, E. W., Company: See—Rode, Friedrich J., assignor.
Bocj Corporation: See—Lang, Joseph C., assignor.
Bodine, Albert G., Jr., Burbank, assignor to The Calpat Corporation, Los Angeles, Calif. Portable cutting tool. 2,384,435; Sept. 11.
Booher, Oris C.: See—Kahl, F., and Booher.
Borg-Warner Corporation: See—Carnagua, H. E., and Stough, assignors.
Cravener, D. H., Jr., Ingersoll, and Wendel, assignors.
Bossen, Martin C., Denver, Colo. Motorboat propulsion mechanism. 2,384,436; Sept. 11.
Bowden (Engineers) Limited: See—Melsom, Walter A., assignor.

Boynton, Alexander, deceased, San Antonio, Tex.; S. S. Martin, executrix. Pressure gauge for pneumatic tires. 2,384,437; Sept. 11.
Brandt, John F., Irondequoit, and R. F. E. Stegeman, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Optical instrument. 2,384,528; Sept. 11.
Breitenstein, Victor W., assignor to Illinois Testing Laboratories, Inc., Chicago, Ill. Magnetic instrument. 2,384,529; Sept. 11.
Briggs Manufacturing Company: See—Germandt, Waldo G., assignor.
Brodzik, Walter F., and V. Muranyi, Buffalo, N. Y.; said Muranyi assignor to said Brodzik. Putting green. 2,384,723; Sept. 11.
Brostrom, Charles G., Salem, and W. E. Naugler, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Rounding machine. 2,384,530; Sept. 11.
Brumbach, Alvin L., Reading, assignor to Textile Machine Works, Wyomissing, Pa. Sinkerhead for knitting machines. 2,384,451; Sept. 11.
Bryant, James G., Jr., Port Huron, Mich. Double hammer for hammer mills. 2,384,531; Sept. 11.
Bryce, Robert S.: See—MacKenzie, K. J., and Bryce.
Bucy, Perl L., Oklahoma City, Okla. Ignition device. 2,384,438; Sept. 11.
Budd Wheel Company: See—Eksbergian, Carolus L., assignor.
Burke, William A., and H. J., and W. O. Frese, assignors to The Ohio Stove Company, Portsmouth, Ohio. Magazine stove. 2,384,596; Sept. 11.
Burton, Charles H.: See—Roseman, R., and Eisenberg, assignors.
Bush, William A., and E. A. Lasher, assignors to California Flaxseed Products Company, Los Angeles, Calif. Processing spice. 2,384,532; Sept. 11.
California Flaxseed Products Company: See—Bush, W. A., and Lasher, assignors.
California Research Corporation: See—Fratris, Joseph E., assignor.
Calpat Corporation, The: See—Bodine, Albert G., Jr., assignor.
Calvin, Forrest O., Kansas City, Mo., W. G. Wilson, Merriam, Kans., and T. R. Smith, Newton, Iowa, assignors to Movie-Mite Corporation, Kansas City, Mo. Motion-picture apparatus. 2,384,597; Sept. 11.
Cambridge Rubber Company: See—Bingham, George H., Jr., assignor.
Carbide and Carbon Chemicals Corporation: See—Jehle, Leon P., assignor.
Kiffer, Alfred D., assignor.
Carnagua, Harold E., and K. K. Stough, Muncie, Ind., assignors to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,384,439; Sept. 11.
Carr, James A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Hanger device. 2,384,440; Sept. 11.
Carroll, Burt H., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic material. 2,384,598; Sept. 11.
Carter, Leslie F., Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Trim angle indicator. 2,384,452; Sept. 11.
Carter, Samuel C., Los Angeles, Calif. Vehicle. 2,384,441; Sept. 11.
Case, Bernard C., Detroit, Mich., assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Buffing and polishing wheel. 2,384,599; Sept. 11.
Celanese Corporation of America: See—Andersen, B., and Strasdin, assignors.
Chain Belt Company: See—Longenecker, Charles I., assignor.
Chamlee, Fred F., Gatesville, Tex. Piston structure. 2,384,533; Sept. 11.
Chaney, John L., and G. D. Hunt; said Hunt assignor to The Ohio Thermometer Company, Springfield, Ohio. Inclinator. 2,384,453; Sept. 11.
Chapman, James E., Los Angeles, assignor to North American Aviation, Inc., Inglewood, Calif. Gun charger. 2,384,724; Sept. 11.
Chapman, James E., Los Angeles, assignor to North American Aviation, Inc., Inglewood, Calif. Gun charger. 2,384,725; Sept. 11.
Chenoweth, Oscar E., Borger, Tex., and P. F. Lewis, Tulsa, Okla., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive dump shell. 2,384,534; Sept. 11.
Cherry, Charles A., Detroit, assignor, by mesne assignments, to Beaver Tool & Engineering Corp., Big Beaver, Mich. Toolholder. 2,384,600; Sept. 11.
Cherry Rivet Company: See—Mullgardt, Alexander S., assignor.
Chisik, Joseph: See—Zimmerman, W. B., Martin, and Chisik.
Christian, Herbert A., assignor of one-half to L. Christie, Vallejo, Calif. Pocket ash receptacle. 2,384,442; Sept. 11.
Christie, Lloyd: See—Christian, Herbert A., assignor.
Clark, Daniel B., assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Making motion pictures. 2,384,601; Sept. 11.

Coats, Paul B., Chicago, Ill. Mop. 2,384,602; Sept. 11.
Coffman, Donald D., Lindamere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ether esters. 2,384,726; Sept. 11.
Colonial Insulator Company, The: See—Hemphill, Rayburn W., assignor.
Continental Can Company, Inc.: See—Laso, Ed., assignor.
Control Instrument Company, Inc.: See—Stenhammer, Harold T., assignor.
Corner, Arthur C., Calcutta, India, assignor to Automatic Telephone & Electric Company, Limited, London, England. Automatic adjusting arrangement for electrical networks. 2,384,727; Sept. 11.
Cosentino, Joseph, Richmond Hill, assignor to Man-Sew Pinking Attachment Corp., New York, N. Y. Sewing machine presser foot. 2,384,454; Sept. 11.
Cowan, John C., and H. M. Teeter, Peoria, Ill., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Plastic composition and preparing same. 2,384,443; Sept. 11.
Craig, David, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Butadiene copolymers and preparing same. 2,384,535; Sept. 11.
Crane Co.: See—Gleeson, Murray A., assignor.
Cravener, Donald H., Jr., Chicago, R. C. Ingersoll, Winnetka, and F. B. Wendel, assignors to Borg-Warner Corporation, Chicago, Ill. Forming counterbored receptacles. 2,384,444; Sept. 11.
Crockett, Frank L., Tenants Harbor, Maine, assignor to Whitin Machine Works, Whitinsville, Mass. Comber nipper system. 2,384,603; Sept. 11.
Crown Cork & Seal Company, Inc.: See—Rau, Harry A., assignor.
Stoll, Charles C., assignor.
Crumble, James H., Brooklyn, N. Y. Float operated mechanism. 2,384,536; Sept. 11.
Crumble, James H., Brooklyn, N. Y. Vehicle. 2,384,728; Sept. 11.
Curtin, Leonard S.: See—Orr, T. F., and Curtin.
Daley, Henry C., Woodbury Heights, and J. C. Howard, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Apparatus and process for making catalytic particles. 2,384,455; Sept. 11.
Dann, Charles W., Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Telephone coupling apparatus. 2,384,604; Sept. 11.
Darby, Vene L., Inglewood, Calif., assignor to North American Aviation, Inc. Floating nut. 2,384,729; Sept. 11.
Davey, James R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio receiving system. 2,384,456; Sept. 11.
Davis, Clyde O., and W. E. Kirst, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing cast explosive charges. 2,384,730; Sept. 11.
Davison Chemical Corporation, The: See—Shoeld, Mark, assignor.
De Bell, John M., Longmeadow, and E. R. Derby, Springfield, Mass., assignors, by mesne assignments, to Monsanto Chemical Company. Plasticized polyvinyl acetal resin. 2,384,537; Sept. 11.
De Bell, John M., Longmeadow, and E. R. Derby, Springfield, Mass., assignors, by mesne assignments, to Monsanto Chemical Company. Plasticized polyvinyl acetal resin. 2,384,538; Sept. 11.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Derivatives of 5-amino-1,3-dioxanes and making same. 2,384,605; Sept. 11.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Derivatives of 5-amino-1,3-dioxanes and making same. 2,384,606; Sept. 11.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Derivatives of 5-amino-1,3-dioxanes and making same. 2,384,607; Sept. 11.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Acylated aminoalcohol esters of carbonic acid. 2,384,608; Sept. 11.
Delta Manufacturing Company, The: See—Wiken, C. A., and Reibig, assignors.
Denoon, Clarence E., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanizable isobutylene-monoacetylene synthetic rubber. 2,384,731; Sept. 11.
Derby, Elmer R.: See—De Bell, J. M., and Derby.
Detroit Stoker Company: See—Beers, Royce L., assignor.
De Vries, Reinier P., Melrose, Mass. Fuel carburation system. 2,384,609; Sept. 11.
Dewey, Clarence L., Elkhart, Ind. Tube straightening machine. 2,384,457; Sept. 11.
Dietrich, Otto E., Morton, Ill. Reversible pitch pre-
peller. 2,384,780; Sept. 11.

Doran, Homer M., M. A. Jackson, and A. I. Alf, Great Falls, Mont., assignors to Anaconda Copper Mining Company, New York, N. Y. Recovery of indium. 2,384,610; Sept. 11.

Douthett, Orin R., Brooklyn, N. Y., assignor to Barber Asphalt Corporation, Barber, N. J. Rigid foam. 2,384,611; Sept. 11.

Dowd, Charles G., Fethers Hot Springs, Calif. Paper currency. 2,384,667; Sept. 11.

Downing, Joseph M.: See—

Volkman, Charles, assignor.

Dri-Stream Products, Inc.: See—

Wegmann, Adolph J., assignor.

Dubay, Frank X., Minneapolis, Minn. Fur cleaning apparatus. 2,384,458; Sept. 11.

Du Pont, E. I., de Nemours & Company: See—

Chenoweth, O. E., and Lewis, assignors.

Coffman, Donald D., assignor.

Davis, C. O., and Kirst, assignors.

Denoon, Clarence E., Jr., assignor.

Thomas, John C., assignor.

Eastman Kodak Company: See—

Bean, Frederic R., assignor.

Carroll, Burt H., assignor.

Evans, R. M., and Miller, assignors.

Fallesen, George E., assignor.

Fuerst, Carl C., assignor.

Isaac, Joseph, assignor.

Kingslake, R., and Reiss, assignors.

Koch, G. J., and Leavitt, assignors.

MacKenzie, K. J., and Bryce, assignors.

Penberthy, Harvey L., assignor.

Riddell, William A., assignor.

Schade, Willy, assignor.

Stewart, Donald H., assignor.

Tyler, Rayen W., assignor.

Vittum, Paul W., assignor.

Weissberger, A., and Vittum, assignors.

Williams, F. C., Hanson, and Ott, assignors.

Wood, Donald L., assignor.

Edison, Thomas A., Incorporated: See—

Dann, Charles W., assignor.

Eisenberg, Harry: See—

Roseman, R., and Eisenberg.

Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Truck and brake organization. 2,384,459; Sept. 11.

Ellis, Lewis S.: See—

Nott, R. A., and Ellis.

Ensinger, Ray, and J. H. Foote, Detroit, Mich., assignors to G. M. and E. Holley. Friction lock for screw threads. 2,384,668; Sept. 11.

Eppley, Garrett G., Chappaqua, N. Y. Quilz board. 2,384,539; Sept. 11.

Erie Electric Company, Inc.: See—

Smith, Hurley, assignor.

Erland af Kleen, Nils, Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J. Boiler-absorber. 2,384,460; Sept. 11.

Escobar, Anthony T., San Quentin, Calif. Gas gun. 2,384,733; Sept. 11.

Evans, Ralph M., and N. D. Miller, assignors to Eastman Kodak Company, Rochester, N. Y. Combination field-evening and color-correction photographic mask. 2,384,612; Sept. 11.

Fairbanks, Morse & Co.: See—

Schreck, Henry, assignor.

Fallesen, George E., assignor to Eastman Kodak Company, Rochester, N. Y. Chloroaniline antifoamants. 2,384,613; Sept. 11.

Farnsworth Television and Radio Corporation: See—

Kahl, F., and Boohar, assignors.

Federal-Mogul Corporation: See—

Smith, Salem A., assignor.

Felix, Friedrich, and A. Heckendorn, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Mixture of azo dyestuffs. 2,384,734; Sept. 11.

Flelds, George C., Euclid, Ohio. Oxygen system. 2,384,669; Sept. 11.

Fisher, Leonard and R., San Francisco, Calif. Therapeutic device. 2,384,670; Sept. 11.

Fisher, Ralph: See—

Fisher, Leonard and R.

Flint, Edward F., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Observation device. 2,384,540; Sept. 11.

Food Machinery Corporation: See—

Sells, O. S., and Porch, assignors.

Foot, James H.: See—

Ensinger, R., and Foote.

Forbes, Joseph A., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake. 2,384,614; Sept. 11.

Fratz, Joseph E., Berkeley, assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif. Coating compositions and the like. 2,384,671; Sept. 11.

Frese, Harry J.: See—

Burke, W. A., and Frese, H. J. and W. O.

Frese, William O.: See—

Burke, W. A., and Frese, H. J. and W. O.

Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkylation process. 2,384,735; Sept. 11.

Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkylation with gaseous olefinic material. 2,384,736; Sept. 11.

Frost, William C.: See—

Hill, Charles A., assignor.

Fruth, Hal F., Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Condenser material and making same. 2,384,541; Sept. 11.

Fruth, Hal F., Elmhurst, W. O. Haas, Jr., Wilmette, and E. G. Walters, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Inorganic insulation for electrical conductors. 2,384,542; Sept. 11.

Fryling, Charles F., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Synthetic rubberlike materials. 2,384,543; Sept. 11.

Fryling, Charles F., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Preparing synthetic rubber. 2,384,544; Sept. 11.

Fryling, Charles F., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Butadiene copolymers. 2,384,545; Sept. 11.

Fryling, Charles F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of synthetic rubber. 2,384,546; Sept. 11.

Fryling, Charles F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Butadiene copolymers. 2,384,547; Sept. 11.

Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter. 2,384,615; Sept. 11.

Furnas, Vincent E.: See—

Babcock, G. M., Rethwisch, and Furnas.

G. M. S. Corporation: See—

Sloan, Theodore H., assignor.

Galvin Manufacturing Corporation: See—

Holthouse, Harry B., assignor.

Garner, Bess A., et al.: See—

Russell, K. F., and Hopkins, assignors.

Garner, Herman H., et al.: See—

Russell, K. F., and Hopkins, assignors.

Gemmill, Frederick Q.: See—

Norden, E., Gemmill, and Isbister.

General Refractories Company: See—

Miller, F. M., Shape, and McClelland, assignors.

Gerdes, Theodor, Gilman, Ill. Rotary valve. 2,384,548; Sept. 11.

Gernandt, Waldo G., assignor to Briggs Manufacturing Company, Detroit, Mich. Engine. 2,384,461; Sept. 11.

Gillette Safety Razor Company: See—

Test, Nicholas, assignor.

Gleason Works: See—

Stewart, Arthur L., assignor.

Wildhaber, Ernest, assignor.

Gleeson, Murray A., assignor to Crane Co., Chicago, Ill. Pressure sealing joint. 2,384,672; Sept. 11.

Godin, Charles, Portland, Oreg. Protective case for watches. 2,384,549; Sept. 11.

Goodman, Leo A., assignor of one-half to Marcleph & Co. Inc., Brooklyn, N. Y. Reinforced artificial casing for food products. 2,384,462; Sept. 11.

Goodrich, B. F. Company, The: See—

Craig, David, assignor.

Fryling, Charles F., assignor.

Semon, Waldo L., assignor.

Stewart, W. D., and Zwicker, assignors.

Grettle, Donald P., assignor to Industrial Patents Corporation, Chicago, Ill. Extracting glue and gelatin. 2,384,673; Sept. 11.

Gunn, Ross, and W. C. Hall, Washington, D. C. Fuel cell. 2,384,463; Sept. 11.

Haas, Fritz O., Villanova, assignor to Röhm & Haas Company, Philadelphia, Pa. Catalyst production. 2,384,737; Sept. 11.

Haas, Walter O., Jr.: See—

Fruth, H. F., Haas, and Walters.

Haensel, Vladimir: See—

Thomas, C. L., and Haensel.

Hall, Wayne C.: See—

Gunn, R., and Hall.

Hallowell, Harold S., Hillingdon, England. Renovating worn gap gauges. 2,384,674; Sept. 11.

Hammer, Otto, assignor to Security Engineering Co., Inc., Whittier, Calif. Apparatus for multiple stage cementing. 2,384,675; Sept. 11.

Hanson-Van Winkle-Munning Company: See—

Case, Bernard C., assignor.

Hanson, Wesley T., Jr.: See—

Williams, F. C., Hanson, Jr., and Ott.

Harmon Color Works, Inc.: See—

Vesce, Vincent C., assignor.

Harris, Frederic R., New York, N. Y. Graving or basin dry dock. 2,384,464; Sept. 11.

Harris, Frederic R., New York, N. Y. Basin or graving dry dock. 2,384,616; Sept. 11.

Harris, Henry H., Champaign, Ill. Support for heat-treating containers. 2,384,617; Sept. 11.

Harrison, Bertram M., Newton Highlands, assignor to Submarine Signal Company, Boston, Mass. Submarine signaling apparatus. 2,384,465; Sept. 11.

Hartz, Hans: See—

Orlich, P., and Hartz.

Harvey, Frank M., assignor, by mesne assignments, to T. H. Speller, Buffalo, N. Y. Rivet magazine. 2,384,738; Sept. 11.

Hasbrook, Arthur F., assignor to O. S. Petty, San Antonio, Tex. Geophysical prospecting apparatus. 2,384,739; Sept. 11.

Hazeltine Corporation: See—

Wilson, John C., assignor.

Hazen, Arthur J.: See—

Keese, B. W., and Hazen.

Hebeler, Edward S., Williamsville, N. Y., assignor, by mesne assignments, of one-half to Unit Rays, Inc., Cleveland, Ohio. Arc welding apparatus. 2,384,618; Sept. 11.

Heckendorn, Alphonse: See—

Felix, F., and Heckendorn.

Heckethorn Manufacturing & Supply Co.: See—

Heckethorn, William W., assignor.

Heckethorn, William W., assignor to Heckethorn Manufacturing & Supply Co., Littleton, Colo. Welded tube closure machine. 2,384,740; Sept. 11.

Heller, Harold P., Palmyra, N. J., assignor to Radio Corporation of America. Solid solution of vinyl aromatic polymer and hydrogenated vinyl aromatic polymer. 2,384,619; Sept. 11.

Hemphill, Rayburn W., assignor to The Colonial Insulator Company, Akron, Ohio. Hollow form. 2,384,741; Sept. 11.

Hercules Powder Company: See—

Martin, Robert W., assignor.

Hersey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,384,620; Sept. 11.

Hewitt, Norman E., Sunbury-on-Thames, England. Mechanism for transmitting linear or rotary movement. 2,384,742; Sept. 11.

Hickey, Morris M., Appleton, Wis. Building foundation digger. 2,384,466; Sept. 11.

Hill, Charles A., Oakland, assignor to William C. Frost, San Francisco, Calif. Ladder. 2,384,743; Sept. 11.

Hill, Irving, Lawrence, Kans. Method and machine for making composite boards. 2,384,676; Sept. 11.

Hill, Robert H., assignor to J. E. Taylor, Elgin, Ill., doing business as Taylor Engineering Company. Apparatus for utilizing liquefied gases. 2,384,677; Sept. 11.

Hill, William H., Mount Lebanon, Pa., assignor to American Cyanamid Company, New York, N. Y. Pickling inhibitors. 2,384,467; Sept. 11.

Hoelscher, William G., assignor to The American Tool Works Company, Cincinnati, Ohio. Drill spindle driving mechanism. 2,384,744; Sept. 11.

Hoelscher, William G., assignor to The American Tool Works Company, Cincinnati, Ohio. Drill spindle driving mechanism. 2,384,745; Sept. 11.

Hoffman-La Roche Inc.: See—

Schneider, Otto, assignor.

Holley, Earl, et al.: See—

Ensinger, R., and Foote.

Olson, E., and Udale.

Holley, George M., et al.: See—

Ensinger, R., and Foote, assignors.

Olson, E., and Udale, assignors.

Holloway, Daniel E., assignor to North American Aviation, Inc., Inglewood, Calif. Recoil operated ammunition feed for machine guns. 2,384,746; Sept. 11.

Holthouse, Harry B., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Control system. 2,384,468; Sept. 11.

Holton, Edward C., Los Angeles, assignor to North American Aviation, Inc., Inglewood, Calif. Machine gun case and link ejection chute. 2,384,678; Sept. 11.

Holtzclaw, Grover B., Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass. Atomizer for liquid under pressure. 2,384,679; Sept. 11.

Hopkins, George H.: See—

Russell, K. F., and Hopkins.

Howard, Jesse C., Jr.: See—

Daley, H. G., and Howard.

Hughes, John S., assignor to Zarembo Company, Buffalo, N. Y. Crystallizing evaporator. 2,384,747; Sept. 11.

Hunt, George D.: See—

Chaney, J. L., and Hunt.

Huy, Joseph G., New Orleans, La. Hat packing stay and combination package. 2,384,680; Sept. 11.

Illinois Testing Laboratories, Inc.: See—

Breitenstein, Victor W., assignor.

Imperial Chemical Industries Limited: See—

Knight, Arthur H., assignor.

Knight, A. H., and Stephen, assignors.

Industrial Patents Corporation: See—

Grettle, Donald P., assignor.

Nott, R. A., and Ellis, assignors.

Ingersoll, Roy C.: See—

Cravener, D. H., Jr., Ingersoll, and Wendel.

Inhoffen, Hans H., Berlin-Wilmersdorf, Germany, assignor to Schering Corporation, Bloomfield, N. J. Neutral esters of polybasic aliphatic acids with hydroxy compounds and the androstane and pregnane series and making the same. 2,384,650; Sept. 11.

Interchemical Corporation: See—

Rolle, Clifford J., assignor.

International Nickel Company, The: See—

Bieber, Clarence G., assignor.

International Plastic Harmonica Corporation: See—

Magnus, Finn H., assignor.

Ioco Rubber and Waterproofing Company Limited, The: See—

Ryan, Alfred, assignor.

Isaac, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Film reel. 2,384,621; Sept. 11.

Isbister, Eric J.: See—

Norden, E., Gemmill, and Isbister.

Isserstedt, Siegfried G., Toronto, Ontario, Canada, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system. 2,384,622; Sept. 11.

Jackson, Meryl A.: See—

Doran, H. M., Jackson, and Alf.

Janes, Norman H., Snook, Tex. Intake manifold. 2,384,681; Sept. 11.

Jehle, Leon P., Buffalo, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Lubricant. 2,384,551; Sept. 11.

Kahl, Fritz, and O. C. Boohar, Fort Wayne, Ind., assignors to Farnsworth Television and Radio Corporation. Automatic record changing apparatus. 2,384,682; Sept. 11.

Kallix, John, Dayton, Ohio. Tamping apparatus. 2,384,469; Sept. 11.

Kaprellian, Edward K., Alexandria, Va. View and range finder. 2,384,552; Sept. 11.

Kayler, Frank H.: See—

Kinne, E. P., and Kayler.

Keese, Beverly W.: See—

Rockwell, W. F., and Keese.

Keese, Beverly W., and A. J. Hazen, Oshkosh, Wis., assignors to The Timken-Detroit Axle Company, Detroit, Mich. Dual engine vehicle. 2,384,470; Sept. 11.

Keese, Beverly W., and C. A. Blair, Oshkosh, Wis., assignors to The Timken-Detroit Axle Company, Detroit, Mich. Vehicle. 2,384,471; Sept. 11.

Kelser, Bernhard: See—

De Groot, M., and Kelser.

Kelsey-Hayes Wheel Company: See—

Forbes, Joseph A., assignor.

Sinclair, Charles W., assignor.

Kiffer, Alfred D., Buffalo, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Alcohol antifreeze liquid. 2,384,553; Sept. 11.

Kinetic Chemicals, Inc.: See—

Benning, A. F., and Park, assignors.

Kingsbury, Leon V., South Bend, Ind., assignor to The Oliver Corporation. Power lift and power-driven implement. 2,384,623; Sept. 11.

Kingslake, Rudolf, and M. Reiss, assignors to Eastman Kodak Company, Rochester, N. Y. Projection system. 2,384,624; Sept. 11.

Kinne, Edmund P., and F. H. Kayler, Alliance, Ohio, assignors to American Steel Foundries, Chicago, Ill. Coupler. 2,384,748; Sept. 11.

Kirst, William E.: See—

Davis, C. O., and Kirst.

Kistler, Samuel S., West Boylston, assignor to Norton Company, Worcester, Mass. Grinding wheels. 2,384,683; Sept. 11.

Kistler, Samuel S., West Boylston, assignor to Norton Company, Worcester, Mass. Grinding wheels. 2,384,684; Sept. 11.

Kleen Refrigerator, Inc.: See—

Erland af Kleen, Nils, assignor.

Kline, John E., Grosse Pointe Farms, assignor to Micro-matic Hone Corporation, Detroit, Mich. Generating helices of varying depth. 2,384,625; Sept. 11.

Knight, Arthur H., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Monoazo dyestuffs. 2,384,749; Sept. 11.

Knight, Arthur H., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Monoazo dyestuffs. 2,384,750; Sept. 11.

Knight, Arthur H., and W. E. Stephen, Blackley, England, assignors to Imperial Chemical Industries Limited. Monoazo acid dyestuffs. 2,384,751; Sept. 11.

Knight, Arthur H., and W. E. Stephen, Blackley, England, assignors to Imperial Chemical Industries Limited. Monoazo acid dyestuffs. 2,384,752; Sept. 11.

Knight, Arthur H., and W. E. Stephen, Blackley, England, assignors to Imperial Chemical Industries Limited. Monoazo dyestuffs. 2,384,753; Sept. 11.

Knight, Arthur H., and W. E. Stephen, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Monoazo dyestuffs. 2,384,754; Sept. 11.

Koch, George J., and R. P. Leavitt, assignors to Eastman Kodak Company, Rochester, N. Y. Matrix guide. 2,384,626; Sept. 11.

Koehler, Conrad, Erskine, Minn. Quack grass digging apparatus. 2,384,685; Sept. 11.

Kraus, Clarence W., Buffalo, N. Y. Building element. 2,384,686; Sept. 11.

Krone, Howard C., River Edge, and W. Meyer, East Orange, assignors to Wheaton Brass Works, Newark, N. J. Self-closing and slow-closing valve. 2,384,627; Sept. 11.

Krone, Howard C., Ridgewood, and W. Meyer, East Orange, assignors to Wheaton Brass Works, Newark, N. J. Tank truck bottom loading and discharge means. 2,384,628; Sept. 11.

Kruger, Isidor, Brookline, Mass. Cloth pinning device. 2,384,554; Sept. 11.

Kuentzler, Walter E., Cliffside Park, N. J. Crystal. 2,384,756; Sept. 11.

Kuentzler, Walter E., Cliffside Park, N. J. Crystal holder. 2,384,757; Sept. 11.

Kuhne, Carl W., Mill Valley, Calif. Parallel ruler. 2,384,555; Sept. 11.

Lambach, Fritz, Tenafly, N. J. Beamer. 2,384,474; Sept. 11.

Landers, Lovell, Jr., Ossining, N. Y. System for vaporizing crude oil for use as a fuel for internal-combustion engines and converters functionable therein. 2,384,472; Sept. 11.

Landers, Lovell, Jr., Ossining, N. Y. System for vaporizing crude oil for use as a fuel for internal-combustion engines and converters functionable therein. 2,384,473; Sept. 11.

Landis & Gyr, A.-G.: See—
Wiedemeyer, Alfred, assignor.

Lane, Dwight L., Dayton, Ohio. Antivibration or shock absorber mount. 2,384,476; Sept. 11.

Lang, Joseph C., assignor to Bocfil Corporation, Pittsburgh, Pa. Staple and making same. 2,384,475; Sept. 11.

Lang, Joseph C., assignor to Bocfil Corporation, Pittsburgh, Pa. Staple and its manufacture. 2,384,477; Sept. 11.

Lapeyre, Fernand S., New Orleans, La. Picture hanger. 2,384,478; Sept. 11.

Larsen, Olaf F., Jr., Demarest, N. J., assignor, by mesne assignments, to Noma Electric Corporation, New York, N. Y. Pseudo-tracked vehicular toy. 2,384,687; Sept. 11.

Lasher, Edward A.: See—
Bush, W. A., and Lasher.

Laue, Karl E. E., Syracuse, assignor to The Solvay Process Company, New York, N. Y. Making a bleaching agent. 2,384,629; Sept. 11.

Laxo, Ed., Riverside, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for tinning the edges of can body blanks. 2,384,556; Sept. 11.

Leavitt, Roger P.: See—
Koch, G. J., and Leavitt.

Lepsoe, Robert G. S., Ortner, and J. H. Salter, Trail, British Columbia, Canada, assignors, by mesne assignments, to The Mathieson Alkali Works, Inc. Production of anhydrous magnesium chloride. 2,384,479; Sept. 11.

Levitich, Robert G.: See—
Quinn, F. B., and Levitich.

Lewis, Paul F.: See—
Chenoweth, O. E., and Lewis.

Lindley Box & Paper Company: See—
Powell, Francis V., assignor.

Litman, Morris, Springfield, Mass. Dust collecting apparatus. 2,384,688; Sept. 11.

Longenecker, Charles I., assignor to Chain Belt Company, Milwaukee, Wis. Pump for plastic concrete mixtures. 2,384,783; Sept. 11.

Lucke, Henry J., et al.: See—
Winter, Arthur C., assignor.

Lupton, Elmer H., Ichester, Md., assignor to The Bartgis Bros. Company. Bottle carrier. 2,384,480; Sept. 11.

Mace, Arthur T., East Cleveland, assignor to The Radiant Corporation, Cleveland, Ohio. Radiant antenna for automobiles and the like. 2,384,631; Sept. 11.

MacKenzie, Kenneth J., and R. S. Bryce, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of paper of good wet strength. 2,384,632; Sept. 11.

Magnus, Finn H., West Caldwell, assignor to International Plastic Harmonica Corporation, Newark, N. J. Chromatic harmonica. 2,384,758; Sept. 11.

Mahan, John E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerization of unsaturated nitriles. 2,384,630; Sept. 11.

Mallinckrodt, Philip A., et al.: See—
Winter, Arthur C., assignor.

Mancia, Jacques, and G. Mège, assignors of one-half to Usines Tornos Fabrique De Machines Moutier S. A., Moutier, Switzerland. Belt drive device. 2,384,759; Sept. 11.

Man-Sew Pinking Attachment Corp.: See—
Cosentino, Joseph, assignor.

Marclough & Co. Inc.: See—
Goldman, Leo A., assignor.

Margolin, Meyer, Elgin, Ill. Insole-insert combination. 2,384,481; Sept. 11.

Maria, Harry B.: See—
Plum, J., and Maria.

Markowski, Walter T., Camden, N. J., assignor to Radio Corporation of America. Article storing album. 2,384,633; Sept. 11.

Martin, Robert W., Savannah, Ga., assignor to Hercules Powder Company, Wilmington, Del. Terpene isomerization in liquid phase. 2,384,482; Sept. 11.

Martin, Sida S., executrix: See—
Boynton, Alexander.

Martin, William A.: See—
Zimmerman, W. B., Martin, and Chisik.

Massonneau, Robert F., Scarsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Time-of-day announcing system. 2,384,634; Sept. 11.

Mathieson Alkali Works, Inc.: See—
Lepsoe, R., Ortner, and Salter, assignors.

Matulionis, Edward, Bridgeport, Conn. Fluid-pressure operated apparatus. 2,384,760; Sept. 11.

McClelland, William H.: See—
Miller, F. M., Shape, and McClelland.

McDonald Aircraft Corporation: See—
Tauser, Charles H., assignor.

Méglé, Georges: See—
Mancia, J., and Mège.

Mehan, Thomas O., Park Ridge, assignor to Victor Adding Machine Co., Chicago, Ill. Gyro-vertical. 2,384,761; Sept. 11.

Mellstrup, Emil E., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article assembling apparatus. 2,384,560; Sept. 11.

Melsom, Walter A., Wembley Hill, assignor to Bowden (Engineers) Limited, London, N. W. 10, England. Flexible hose coupling. 2,384,635; Sept. 11.

Meyer, William: See—
Krone, H. C., and Meyer.

Micromatic Hone Corporation: See—
Kline, John B., assignor.

Miller, Fred M., Bala-Cynwyd, A. C. Shape, Upper Darby, and W. H. McClelland, Wynnewood, assignors to General Refractories Company, Philadelphia, Pa. Mechanical stoker for kilns and their mountings. 2,384,762; Sept. 11.

Miller, Norman D.: See—
Evans, R. M., and Miller.

Minneapolis-Honeywell Regulator Company: See—
Isserstedt, Siegfried G., assignor.

Monsanto Chemical Company: See—
De Bell, J. M., and Derby, assignors.

Mooney, Burley and J. G., Stonewall, Okla., assignors to Turner Manufacturing Company, Statesville, N. C. Peanut digger and shaker. 2,384,763; Sept. 11.

Mooney, Jess G.: See—
Mooney, Burley and J. G.

Moore, Murray L., Cheyenne, Wyo. Vehicle signal. 2,384,689; Sept. 11.

Movie-Mite Corporation: See—
Calvin, F. O., Wilson, and Smith, assignors.

Muffett, Robert B., Merchantville, N. J. Nonbacklash device for fishing reels. 2,384,561; Sept. 11.

Mullgardt, Alexander S., assignor to Cherry Rivet Company, Los Angeles, Calif. Collet type pulling head. 2,384,690; Sept. 11.

Munford, Theodore W., Ottawa Hills, assignor to Surface Combustion Corporation, Toledo, Ohio. Furnace. 2,384,764; Sept. 11.

Muranyi, Vincent: See—
Brodzik, W. F., and Muranyi.

Murphy, Arthur C., Tulsa, Okla. Safety cutoff switch. 2,384,562; Sept. 11.

Muskegon Piston Ring Company: See—
Stenwall, Robert, assignor.

Naugler, Walter E.: See—
Brostrom, C. G., and Naugler.

Nelson, A. P.: See—
Prince, John, assignor.

Nelson, Lee, Texas City, Tex. Plate tong. 2,384,636; Sept. 11.

New Products Corporation: See—
Banker, Oscar H., assignor.

Nofflinger, Fred P., Greeley, Colo. Plow attachment for tractors. 2,384,483; Sept. 11.

Noma Electric Corporation: See—
Larsen, Olaf F., Jr., assignor.

Norden, Elwood, Pelham, F. Q. Gemmill, Hempstead, and E. J. Isabister, assignors to Sperry Gyroscope Company, Brooklyn, N. Y. Aircraft flight indicator and system. 2,384,484; Sept. 11.

North American Aviation, Inc.: See—
Beardslee, William H., assignor.

Chapman, James E., assignor.

Darby, Vene L., assignor.

Holloway, Daniel E., assignor.

Holton, Edward C., assignor.

Sullwood, Richard H., assignor.

Norton, Calhoun, assignor to Arens Controls, Inc., Chicago, Ill. Strip forming apparatus. 2,384,485; Sept. 11.

Norton, Calhoun, assignor to Arens Controls, Inc., Chicago, Ill. Strip forming apparatus. 2,384,486; Sept. 11.

Norton Company: See—
Kistler, Samuel S., assignor.

Nott, Ray A., and L. S. Ellis, St. Joseph, Mo., assignors to Industrial Patents Corporation, Chicago, Ill. Automatic sheep pelt scrubbing or cleaning machine. 2,384,691; Sept. 11.

O'Brien, Joseph F., Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y. End closure means for electric wiring units. 2,384,487; Sept. 11.

Ocenasek, William F., South Plainfield, assignor to Walker-Turner Co., Inc., Plainfield, N. J. Feed mechanism. 2,384,732; Sept. 11.

Ohio Stove Company, The: See—
Burke, W. A., and Freese, H. J. and W. O., assignors.

Ohio Thermometer Company, The: See—
Hunt, George D., assignor.

Oliver Corporation, The: See—
Kingsbury, Leon V., assignor.

Olson, Elmer, Ferndale, Mich., assignor to G. M. and E. Holley. Spark advance device. 2,384,693; Sept. 11.

Olson, Elmer, Ferndale, and S. M. Udale, Detroit, Mich., assignors to G. M. and E. Holley. Ignition device. 2,384,692; Sept. 11.

O'Reilly, Joe, Tacoma, Wash. Welder's helmet. 2,384,765; Sept. 11.

Orlich, Peter, and H. Hartz, Kiel, Germany; vested in the Allen Property Custodian. Echo-sounding device with arrested indicators. 2,384,766; Sept. 11.

Orr, Thomas F., St. Louis, Mo., and L. S. Curtin, Belmont, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine and thread controlling device. 2,384,488; Sept. 11.

Ortner, Gerald S.: See—
Lepsoe, R., Ortner, and Salter.

Ott, Howard F.: See—
Williams, F. C., Hanson, and Ott.

Owens, Freeman H., New York, N. Y. Film magazine. 2,384,637; Sept. 11.

Pacific Olive Company: See—
Ball, Mildred S., assignor.

Palace Corporation: See—
Walt, Clyde F., assignor.

Pancher, Harry E., assignor to A. G. Redmond Co., Owosso, Mich. Making electric motor rotors. 2,384,489; Sept. 11.

Park, Joseph D.: See—
Benning, A. F., and Park.

Parks-Cramer Company: See—
Holtzclaw, Grover B., assignor.

Penberthy, Harvey L., assignor to Eastman Kodak Company, Rochester, N. Y. Forming lens surfaces. 2,384,638; Sept. 11.

Petrolite Corporation, Ltd.: See—
Blair, Charles M., Jr., assignor.

De Groot, Melvin, assignor.

De Groot, M., and Kelsner, assignors.

Petty, Olive S.: See—
Hasbrook, Arthur F., assignor.

Phillips Petroleum Company: See—
Frey, Frederick E., assignor.

Mahan, John E., assignor.

Schulze, Walter A., assignor.

Pierce, John B., Foundation: See—
O'Brien, Joseph F., assignor.

Pioneer Parachute Company, Inc.: See—
Smith, Floyd, assignor.

Piper, Roger J., Princeton, Ill. Posthole digger attachment for tractors. 2,384,557; Sept. 11.

Plum, John, Washington, D. C., and H. B. Maris, Riverdale, Md. Swivel. 2,384,490; Sept. 11.

Porch, Howard L.: See—
Selle, O. S., and Porch.

Posnansky, Karl W., assignor to The Stamford Rubber Supply Company, Stamford, Conn. Treating vulcanized oils. 2,384,491; Sept. 11.

Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Selecting impulse transmitter. 2,384,558; Sept. 11.

Powell, Francis V., assignor to Lindley Box & Paper Company, Marion, Ind. Collapsible box structure. 2,384,559; Sept. 11.

Prince, John, Sioux City, assignor of one-half to A. P. Nelson, Spencer, Iowa. Wind impeller governor. 2,384,767; Sept. 11.

Quin, William H., Toronto, Ontario, Canada. Necktie holder. 2,384,694; Sept. 11.

Quinn, Francis B., Thompsonville, and R. G. Levitch, Enfield, assignors to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Fabric coating machine. 2,384,695; Sept. 11.

Radiant Corporation, The: See—
Mace, Arthur T., assignor.

Radio Corporation of America: See—
Blain, Albert, assignor.

Heller, Harold P., assignor.

Markowski, Walter T., assignor.

Rau, Harry A., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Apparatus for combining sheets. 2,384,768; Sept. 11.

Ray, George, McGraw, N. Y. Rear window dehydrator for automobile bodies. 2,384,769; Sept. 11.

Ray, William A., Los Angeles, Calif. Control system. 2,384,696; Sept. 11.

Ray-O-Vac Company: See—
Wengel, Arthur M., assignor.

Rebecchini, Eugene J., assignor, by mesne assignments, to Schutter Candy Company, Chicago, Ill. Method and apparatus for packaging. 2,384,492; Sept. 11.

Redmond, A. G., Co.: See—
Pancher, Harry E., assignor.

Reibig, Eric A.: See—
Wiken, C. A., and Reibig.

Reiss, Max: See—
Kingslake, R., and Reiss.

Rethwisch, Francis B.: See—
Babcock, G. M., Rethwisch, and Furnas.

Reynolds Metals Company: See—
Babcock, G. M., Rethwisch, and Furnas, assignors.

Riccardi, Peter, Los Angeles, Calif. Umbilical clip. 2,384,697; Sept. 11.

Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. High-speed shutter. 2,384,639; Sept. 11.

Robertson, John Y., El Paso, Tex. Water-power wheel. 2,384,698; Sept. 11.

Robins, Samuel D., New York, N. Y. Aerodynamic braking device. 2,384,640; Sept. 11.

Rockwell, Walter F., Detroit, Mich., and B. W. Keese, Oshkosh, Wis., assignors to The Timken-Detroit Axle Company, Detroit, Mich. Automotive vehicle. 2,384,781; Sept. 11.

Rockwell, Walter F., Detroit, Mich., and B. W. Keese, Oshkosh, Wis., assignors to The Timken-Detroit Axle Company, Detroit, Mich. Automotive vehicle. 2,384,782; Sept. 11.

Rode, Frederick J., Toledo, Ohio, assignor to E. W. Bliss Company, Brooklyn, N. Y. Mechanical movement and swaging machine. 2,384,641; Sept. 11.

Röhm & Haas Company: See—
Haas, Fritz O., assignor.

Rolle, Clifford J., Yonkers, assignor to Interchemical Corporation, New York, N. Y. Bronzing lacquer. 2,384,493; Sept. 11.

Roseman, Reuben, and H. Eisenberg, assignors, by mesne assignments, to C. H. Burton, Baltimore, Md. Magnesium silicates and making same. 2,384,563; Sept. 11.

Roseman, Reuben, and H. Eisenberg, assignors, by mesne assignments, to C. H. Burton, Baltimore, Md. Magnesium silicate suspensions and making same. 2,384,564; Sept. 11.

Russell, Kenneth F., and G. H. Hopkins, assignors to H. H. and B. A. Garner, Claremont, Calif., joint tenants. Air cleaner. 2,384,699; Sept. 11.

Rustless Iron and Steel Corporation: See—
Schaufus, Henry S., assignor.

Ruth, Arthur P., Houston, Tex. Automatic air volume control. 2,384,770; Sept. 11.

Ryan, Alfred, assignor to The Ioco Rubber and Waterproofing Company Limited, Glasgow, Scotland. Covering material for aircraft frame structures and the like and producing the same. 2,384,771; Sept. 11.

Saffady, Thomas F., Detroit, Mich. Electric iron hand grip. 2,384,642; Sept. 11.

Salter, John H.: See—
Lepsoe, R., Ortner, and Salter.

Samuels Shoe Company: See—
Beestrum, Olaf G., assignor.

Schade, Willy, assignor to Eastman Kodak Company, Rochester, N. Y. Objective for reflex sight. 2,384,643; Sept. 11.

Schaufus, Henry S., Baltimore, Md., assignor to Rustless Iron and Steel Corporation. Alloy steel and articles. 2,384,565; Sept. 11.

Schaufus, Henry S., Baltimore, Md., assignor to Rustless Iron and Steel Corporation. Working alloy steel and products thereof. 2,384,566; Sept. 11.

Schaufus, Henry S., Baltimore, Md., assignor to Rustless Iron and Steel Corporation. Alloy steel method and products. 2,384,567; Sept. 11.

Schenk, Carl R., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine motor controller. 2,384,772; Sept. 11.

Schering Corporation: See—
Inhoffen, Hans H., assignor.

Schneider, Otto, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Alkylated phenyl-isopropyl-amines and the manufacture of same. 2,384,700; Sept. 11.

Schreck, Henry, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Hydraulic operating unit. 2,384,701; Sept. 11.

Schreyer, Edward P., Milwaukee, Wis. Pressing iron. 2,384,644; Sept. 11.

Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Dehydrogenating hydrocarbons. 2,384,645; Sept. 11.

Schutter Candy Company: See—
Rebecchini, Eugene J., assignor.

Schutter, George M., assignor.

Schutter, George M., assignor, by mesne assignments, to Schutter Candy Company, Chicago, Ill. Packaging. 2,384,494; Sept. 11.

Schwab, Martin C., Chicago, Ill. Combination combat and construction vehicle. 2,384,646; Sept. 11.

Schwarzschild, Myron M., Brooklyn, N. Y. X-ray timer. 2,384,647; Sept. 11.

Security Engineering Co., Inc.: See—
Hammer, Otto, assignor.

Sells, Ogden S., and H. L. Porch, Riverside, assignors to Food Machinery Corporation, San Jose, Calif. Apparatus for treating fruit. 2,384,702; Sept. 11.

Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization products. 2,384,568; Sept. 11.

Semon, Waldo L., Silver Lake, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of dienes and olefinic dicarboxylic acid esters. 2,384,569; Sept. 11.

Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber-like multipolymers containing a conjugated diene hydrocarbon. 2,384,570; Sept. 11.

Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber-like multipolymers prepared from mixtures including a conjugated diene hydrocarbon. 2,384,571; Sept. 11.

Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of butadiene-1,3 hydrocarbons and other organic compounds. 2,384,572; Sept. 11.

Shafarman, Nellye, Cleveland, Ohio. Garment display form. 2,384,495; Sept. 11.

Shape, Alfred C.: See—
Miller, F. M., Shape, and McClelland.

Sharpe, Hugh W., Chicago, Ill. Garbage incinerator. 2,384,496; Sept. 11.

Sheffield Corporation, The: See—
Aller, Willis F., assignor.
Blesi, Walter F., assignor.

Should, Mark, Towson, assignor to The Davison Chemical Corporation, Baltimore, Md. Phosphoric acid manufacture. 2,384,773; Sept. 11.

Siler, Robert W., Oak Ridge, Tenn. Sling fitting. 2,384,497; Sept. 11.

Silverman, Daniel, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Locating bottom of oil production. 2,384,648; Sept. 11.

Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 2,384,649; Sept. 11.

Singer, Henry, Honolulu, Hawaii. Pen and pencil clasp. 2,384,703; Sept. 11.

Singer Manufacturing Company, The: See—
Schenk, Carl R., assignor.

Sjogren, Walter O., Worcester, Mass. Tension device. 2,384,650; Sept. 11.

Sloan, Theodore H., Charleroi, assignor to G. M. S. Corporation, Pittsburgh, Pa. Glass forming machine. 2,384,498; Sept. 11.

Smallpeice, Cosby D. P., Swanwick Shore, near South Hampton, England. Lifting mechanism. 2,384,774; Sept. 11.

Smith, Benjamin A., Rocky River, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Reclaiming molding and core sand. 2,384,573; Sept. 11.

Smith, Floyd, assignor to Pioneer Parachute Company, Inc., Manchester, Conn. Dual release mechanism. 2,384,651; Sept. 11.

Smith, Hurley, assignor to Erie Electric Company, Inc., Buffalo, N. Y. Rotary electric switch. 2,384,652; Sept. 11.

Smith, Mark C., Chicago, Ill. Indicating device. 2,384,653; Sept. 11.

Smith, Salem A., Greenville, assignor to Federal-Mogul Corporation, Detroit, Mich. Fabricating babbitt lined bearings. 2,384,654; Sept. 11.

Smith, Thomas R.: See—
Calvin, F. O., Wilson, and Smith.

Society of Chemical Industry: See—
Felix, F., and Heckendorf, assignors.

Socony-Vacuum Oil Company, Incorporated: See—
Daley, H. G., and Howard, Jr., assignors.

Solvay Process Company, The: See—
Laue, Karl E. E., assignor.

Speller, Thomas H.: See—
Harvey, Frank M., assignor.

Sperry Gyroscope Company: See—
Norden, E., Gemmill, and Isbister, assignors.

Sperry Gyroscope Company, Inc.: See—
Carter, Leslie F., assignor.

Stamford Rubber Supply Company, The: See—
Posnansky, Karl W., assignor.

Standing, James A., Detroit, Mich. Steam generator. 2,384,704; Sept. 11.

Stanoline Oil and Gas Company: See—
Silverman, Daniel, assignor.

Stegeman, Raymond F. E.: See—
Brandt, J. F., and Stegeman.

Stenhammer, Harold T., New York, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Telephone system. 2,384,775; Sept. 11.

Stenwall, Robert, Newaygo, assignor to Muskegon Piston Ring Company, Muskegon, Mich. Ring shaping machine. 2,384,705; Sept. 11.

Stephen, William E.: See—
Knight, A. H., and Stephen.

Stewart, Arthur L., assignor to Gleason Works, Rochester, N. Y. Cutting gears. 2,384,499; Sept. 11.

Stewart, Donald H., assignor to Eastman Kodak Company, Rochester, N. Y. Two-film camera. 2,384,655; Sept. 11.

Stewart, William D., and B. M. G. Zwicker, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Butadiene-1,3 copolymers. 2,384,574; Sept. 11.

Stoll, Charles C., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Apparatus and coating. 2,384,500; Sept. 11.

Stough, Kenneth K.: See—
Carnagua, H. E., and Stough.

Strasdin, Raymond F.: See—
Andersen, B., and Strasdin.

Streicher, Johann S., assignor to The American Platinum Works, Newark, N. J. Platinum metal catalysts and the manufacture thereof. 2,384,501; Sept. 11.

Streicher, Johann S., assignor to The American Platinum Works, Newark, N. J. Preventing corrosion by phosphorus. 2,384,502; Sept. 11.

Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tape dispenser. 2,384,575; Sept. 11.

Submarine Signal Company: See—
Harrison, Bertram M., assignor.

Sullivan Machinery Company: See—
Baldwin, C. P., and Vanderzee, assignors.

Sullwold, Richard H., Los Angeles, Calif., assignor to North American Aviation, Inc. Hydraulic system. 2,384,706; Sept. 11.

Surface Combustion Corporation: See—
Munford, Theodore W., assignor.

Sweet, Laurence A., Huntington Park, Calif. Automatic center punch. 2,384,707; Sept. 11.

Swope, Joen E., Jr., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Apparatus for forming corrosion resisting films. 2,384,576; Sept. 11.

Tamburro, Francis P.: See—
Townsend, N. F., and Tamburro.

Tausser, Charles H., Venita Park, assignor to McDonnell Aircraft Corporation, St. Louis, Mo. Self-contained die set. 2,384,708; Sept. 11.

Taylor Engineering Company, et al.: See—
Hill, Robert H.

Taylor, J. E., et al.: See—
Hill, Robert H., assignor.

Teeter, Howard M.: See—
Cowan, J. C., and Teeter.

Teletype Corporation: See—
Potts, Louis M., assignor.

Testi, Nicholas, assignor to Gillette Razor Company, Boston, Mass. Magazine for safety razors. 2,384,503; Sept. 11.

Textile Machine Works: See—
Brumbach, Alvin L., assignor.

Thayer Company: See—
Troendle, William C., assignor.

Thias, Edwin P., Hollywood, Calif. Resonant circuit. 2,384,504; Sept. 11.

Tholl, John E., Needham, assignor to American Tool & Machine Co., Hyde Park, Mass. Centrifugal separator. 2,384,784; Sept. 11.

Thomas, Charles L., and V. Haensel, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,384,505; Sept. 11.

Thomas, George W., Athens, Ga. Sanding device. 2,384,656; Sept. 11.

Thomas, John C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters. 2,384,577; Sept. 11.

Thompson Grinder Company, The: See—
Baldenhofer, William G., assignor.

Thompson, Russell H., Indianapolis, Ind. Envelope stuffing machine. 2,384,506; Sept. 11.

Thoren, Norman T., Beloit, Wis. Sanitary waste receptacle. 2,384,709; Sept. 11.

Thurlow, Thomas L., Venice, Calif. Observation instrument. 2,384,507; Sept. 11.

Timken-Detroit Axle Company, The: See—
Keese, B. W., and Blair, assignors.
Keese, B. W., and Hazen, assignors.
Rockwell, W. F., and Keese, assignors.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,384,508; Sept. 11.

Tinnerman Products, Inc.: See—
Tinnerman, George A., assignor.

Townsend, Norman F., Port Chester, and F. P. Tamburro, Ozone Park, assignors to Wilcox & Gibbs Sewing Machine Company, New York, N. Y. Sewing machine. 2,384,509; Sept. 11.

Trippensee, Christ W., Jefferson City, Mo. Telescopic tripod leg. 2,384,710; Sept. 11.

Troendle, William C., assignor to Thayer Company, Gardner, Mass. Infant's carriage. 2,384,711; Sept. 11.

Trofimov, Lev A., Willoughby, Ohio. Power transmission unit with load speed and direction control. 2,384,776; Sept. 11.

Turenchalk, Harry: See—
Turenchalk, John and H.

Turenchalk, John and H., Yonkers, N. Y. Dental floss holder. 2,384,712; Sept. 11.

Turner, Arthur F., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical element. 2,384,578; Sept. 11.

Turner Manufacturing Company: See—
Mooney, Burley and J. G., assignors.

Twentieth Century-Fox Film Corporation: See—
Clark, Daniel B., assignor.

Tyler, Rayen W., assignor to Eastman Kodak Company, Rochester, N. Y. Making photographic films. 2,384,657; Sept. 11.

Udale, Stanley M.: See—
Olson, E., and Udale.

Unit Rays, Inc.: See—
Hebeler, Edward S., assignor.

United Shoe Machinery Corporation: See—
Brostrom, C. G., and Naugler, assignors.
Orr, T. F., and Curtin, assignors.

Universal Oil Products Company: See—
Thomas, C. L., and Haensel, assignors.

Usines Tornos Fabrique De Machines Moutier S. A.: See—
Mancia, J., and Mège, assignors.

Vanderzee, Harry H.: See—
Baldwin, C. P., and Vanderzee.

Varma, Dewan C., London, England. Cushion seat. 2,384,713; Sept. 11.

Vesce, Vincent C., Ridgewood, assignor to Harmon Color Works, Inc., Haledon, N. J. Iron pigments. 2,384,579; Sept. 11.

Victor Adding Machine Co.: See—
Mehan, Thomas O., assignor.

Villiger, Eugen, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Tubular heat exchanger. 2,384,714; Sept. 11.

Vittum, Paul W.: See—
Weissberger, A., and Vittum.

Vittum, Paul W., assignor to Eastman Kodak Company, Rochester, N. Y. Color photography. 2,384,658; Sept. 11.

Volkman, Charles, assignor to J. M. Downing, Dayton, Ohio. Heating apparatus. 2,384,510; Sept. 11.

Walt, Clyde F., assignor to Palace Corporation, Flint, Mich. Trailer. 2,384,659; Sept. 11.

Walker-Turner Co. Inc.: See—
Ocenasek, William F., assignor.

Walters, Ernest G.: See—
Fruth, H. F., Haas, and Walters.

Ward, Clemson H., Baltimore, Md., assignor to Bethlehem Steel Company. Apparatus for electrolytic galvanizing of sheets. 2,384,660; Sept. 11.

Ward, Royal V., San Bernardino, Calif. Sifting apparatus. 2,384,715; Sept. 11.

Wegmann, Adolph J., Flushing, N. Y., assignor to Dri-Stream Products, Inc. Desuperheater. 2,384,511; Sept. 11.

Wehr, Julian R., Roxbury, Vt. Animated illustration. 2,384,661; Sept. 11.

Wehr, Julian R., Roxbury, Vt. Animated illustration. 2,384,662; Sept. 11.

Weissberger, Arnold, and P. W. Vittum, assignors to Eastman Kodak Company, Rochester, N. Y. Preventing aerial oxidation and color stain. 2,384,663; Sept. 11.

Wendel, Frans B.: See—
Cravener, D. H., Jr., Ingersoll, and Wendel.

Wengel, Arthur M., Madison, Wis., assignor to Ray-O-Vac Company. Frequency responsive indicating apparatus. 2,384,716; Sept. 11.

Wertheimer, Joseph, Far Rockaway, N. Y. Salvaging device. 2,384,580; Sept. 11.

Western Electric Company, Incorporated: See—
Fruth, Hal F., assignor.
Fruth, H. F., Haas, and Walters, assignors.
Mellstrup, Emil E., assignor.

Stull, John S., assignor.

Western Union Telegraph Company, The: See—
Wise, Raleigh J., assignor.

Westlake, Edward B., Jr., Upper Darby, Pa. Hydrometer. 2,384,664; Sept. 11.

Westman, Eror O., Hudiksvall, Sweden. Machine for finishing the runner face of skis. 2,384,777; Sept. 11.

Wheaton Brass Works: See—
Krone, H. C., and Meyer, assignors.

Whitin Machine Works: See—
Crockett, Frank L., assignor.

Whitman, Helen, administratrix: See—
Whitman, Stewart C.

Whitman, Stewart C., deceased, by H. Whitman, New York, N. Y., administratrix. Irradiating bottle filling machine. 2,384,778; Sept. 11.

Wiedemeier, Alfred, assignor to Landis & Gyr, A-G., Zug, Switzerland. Synchronous motor-time meter. 2,384,581; Sept. 11.

Wiken, Christy A., and E. A. Reibig, assignors, by mesne assignments, to The Delta Manufacturing Company, Milwaukee, Wis. Machine protective apparatus. 2,384,512; Sept. 11.

Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Face clutch. 2,384,582; Sept. 11.

Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Face clutch. 2,384,583; Sept. 11.

Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Face clutch. 2,384,584; Sept. 11.

Wilcox & Gibbs Sewing Machine Company: See—
Townsend, N. F., and Tamburro, assignors.

Williams, Franklin C., W. T. Hanson, Jr., and H. F. Ott, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic tone correction mask. 2,384,665; Sept. 11.

Williams, Howard S., Hartford, Conn. Fracture splint. 2,384,779; Sept. 11.

Wilson, John C., Bayside, N. Y., assignor to Hazeltine Corporation. Television scanning system. 2,384,717; Sept. 11.

Wilson, William G.: See—
Calvin, F. O., Wilson, and Smith.

Winter, Arthur C., Teaneck, assignor of one-tenth to H. J. Lucke, East Orange, N. J., and one-twentieth to P. A. Mallinckrodt, Salt Lake City, Utah. Code-controlled apparatus. 2,384,513; Sept. 11.

Winter, Arthur C., Teaneck, assignor of one-tenth to H. J. Lucke, East Orange, N. J., and one-twentieth to P. A. Mallinckrodt, Salt Lake City, Utah. Code-controlled apparatus. 2,384,514; Sept. 11.

Wise, Raleigh J., Dunellen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Signal recording apparatus. 2,384,515; Sept. 11.

Witherspoon, Lillian S., Los Angeles, Calif. Handle for containers. 2,384,718; Sept. 11.

Wood, Donald L., assignor to Eastman Kodak Company, Rochester, N. Y. Astronomical camera. 2,384,666; Sept. 11.

Young, Arthur M., Paoli, Pa., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Aircraft. 2,384,516; Sept. 11.

Zaremba Company: See—
Hughes, John S., assignor.

Zimmerman, Walter B., W. A. Martin, and J. Chisik, Winnipeg, Manitoba, Canada. Automatic welding visor shutter. 2,384,517; Sept. 11.

Zwicker, Benjamin M. G.: See—
Stewart, W. D., and Zwicker.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF SEPTEMBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Fastening means. G. A. Tinnerman. Re. 22,673; Sept. 11.

LIST OF DESIGN INVENTIONS

Clip and watch, Combination money. J. L. Younghus-band. 142,357; Sept. 11.
Control fitting, Pipe-line. L. S. Hamer. 142,362; Sept. 11.
Flatiron. D. E. Stewart. 142,355; Sept. 11.
Frame, Picture. A. Vallevona. 142,356; Sept. 11.
Jacket. S. Etkin. 142,364; Sept. 11.
Needle unit, Biopsy. H. Turkel. 142,358; Sept. 11.
Penholder. B. W. Hanle. 142,361; Sept. 11.
Rack, Croquet. R. T. Gutz and A. Swainson. 142,352; Sept. 11.
Rack, Croquet. A. Swainson and R. T. Gutz. 142,353; Sept. 11.
Shoulder pad for therapeutic purposes, Fur lined. W. Hamburger. 142,354; Sept. 11.
Toy, Ball tossing. A. M. Baker. 142,367; Sept. 11.
Toy farm implement. H. Hieb. 142,359-60; Sept. 11.
Tractor. E. S. Cooke. 142,365; Sept. 11.
Tray, Baby's. J. P. Bourdus. 142,366; Sept. 11.
Vaporizer, Air conditioning. H. Goodman. 142,363; Sept. 11.

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LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF SEPTEMBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aerial oxidation and color stain, Preventing. A. Weiss-berger and P. W. Vittum. 2,384,663; Sept. 11.
Aerodynamic braking device. S. D. Robins. 2,384,640; Sept. 11.
Agricultural implement. R. E. Averitt. 2,384,522; Sept. 11.
Air cleaner. K. F. Russell and G. H. Hopkins. 2,384,699; Sept. 11.
Aircraft. A. M. Young. 2,384,516; Sept. 11.
Aircraft gun installation. W. H. Beardslee. 2,384,430; Sept. 11.
Album, Article storing. W. T. Markowski. 2,384,633; Sept. 11.
Alcohol antifreeze liquid. A. D. Kiffer. 2,384,553; Sept. 11.
Alkylation process. F. E. Frey. 2,384,735; Sept. 11.
Alkylation with gaseous olefinic material. F. E. Frey. 2,384,736; Sept. 11.
Alloy for permanent magnets. C. G. Bleber. 2,384,450; Sept. 11.
Alloy steel and articles. H. S. Schaufus. 2,384,565; Sept. 11.
Alloy steel and products thereof, Working. H. S. Schaufus. 2,384,566; Sept. 11.
Alloy steel method and products. H. S. Schaufus. 2,384,567; Sept. 11.
Ammunition feed for machine guns, Recoil operated. D. E. Holloway. 2,384,746; Sept. 11.
Animated illustration. J. R. Wehr. 2,384,661-2; Sept. 11.
Announcing system, Time-of-day. R. F. Massonneau. 2,384,634; Sept. 11.
Antifoggant. F. R. Bean. 2,384,593; Sept. 11.
Apparatus and method of coating. C. C. Stoll. 2,384,500; Sept. 11.
Apparatus and process for making catalytic particles. H. G. Daley and J. C. Howard, Jr. 2,384,455; Sept. 11.
Apparatus for combining sheets. H. A. Rau. 2,384,768; Sept. 11.
Apparatus for electrolytic galvanizing of sheets. C. H. Ward. 2,384,660; Sept. 11.
Apparatus for forming corrosion resisting films. J. E. Swope, Jr. 2,384,576; Sept. 11.
Apparatus for multiple stage cementing. O. Hammer. 2,384,675; Sept. 11.
Apparatus for tinning the edges of can body blanks. E. Laxo. 2,384,556; Sept. 11.
Apparatus for treating fruit. O. S. Sells and H. L. Porch. 2,384,702; Sept. 11.
Apparatus for utilizing liquefied gases. R. H. Hill. 2,384,677; Sept. 11.
Arc welding apparatus. E. S. Hebler. 2,384,618; Sept. 11.
Armor, Protective. H. C. Bierman. 2,384,594; Sept. 11.
Article assembling apparatus. E. E. Meistrup. 2,384,560; Sept. 11.
Atomizer for liquid under pressure. G. B. Holtzclaw. 2,384,679; Sept. 11.
Automatic adjusting arrangement for electrical networks. A. C. Corner. 2,384,727; Sept. 11.
Automatic record changing apparatus. F. Kahl and O. C. Booher. 2,384,682; Sept. 11.
Automotive vehicle. W. F. Rockwell and B. W. Keese. 2,384,781-2; Sept. 11.
Beamer. F. Lambach. 2,384,474; Sept. 11.
Bearing for rotary spindles. W. G. Baldenhofer. 2,384,589; Sept. 11.
Bearings, Fabricating babblitt lined. S. A. Smith. 2,384,654; Sept. 11.
Belt drive device. J. Mancina and G. Mège. 2,384,759; Sept. 11.
Bleaching agent, Making a. K. E. E. Laue. 2,384,629; Sept. 11.
Board: See—
Quiz board.
Boards, Method and machine for making composite. I. Hill. 2,384,676; Sept. 11.
Roller-absorber. N. Erland af Kluen. 2,384,460; Sept. 11.
Bottle carrier. E. H. Lupton. 2,384,480; Sept. 11.
Bottle filling machine, Irradiating. S. C. Whitman. 2,384,778; Sept. 11.
Box structure, Collapsible. F. V. Powell. 2,384,559; Sept. 11.
Brake. J. A. Forbes. 2,384,614; Sept. 11.
Buffing and polishing wheel. B. C. Case. 2,384,599; Sept. 11.
Building element. C. W. Kraus. 2,384,636; Sept. 11.
Butadiene copolymers. C. F. Fryling. 2,384,545; Sept. 11.
Butadiene copolymers. C. F. Fryling. 2,384,547; Sept. 11.
Butadiene copolymers and preparing same. D. Craig. 2,384,535; Sept. 11.
Butadiene-1, 3 copolymers. W. D. Stewart and B. M. G. Zwicker. 2,384,574; Sept. 11.
Camera, Astronomical. D. L. Wood. 2,384,666; Sept. 11.
Camera, Two-film. D. H. Stewart. 2,384,655; Sept. 11.
Carriage, Infant's. W. C. Troendle. 2,384,711; Sept. 11.
Carrier: See—
Bottle carrier.
Case for watches, Protective. C. Godin. 2,384,549; Sept. 11.
Casing for food products, Reinforced artificial. L. A. Goodman. 2,384,462; Sept. 11.
Cast explosive charges, Preparing. C. O. Davis and W. E. Kirt. 2,384,730; Sept. 11.
Catalyst production. F. O. Haas. 2,384,737; Sept. 11.
Catalysts and the manufacture thereof, Plastic metal. J. S. Streicher. 2,384,501; Sept. 11.
Cell, Fuel. R. Gunn and W. C. Hall. 2,384,463; Sept. 11.
Centrifugal separator. J. F. Tholl. 2,384,784; Sept. 11.
Charge, Gun. J. E. Chapman. 2,384,724-5; Sept. 11.
Chemical heating container. G. M. Babcock, F. B. Reth-wisch, and V. E. Furnas. 2,384,720; Sept. 11.
Chloride, Anhydrous magnesium, Production of. R. Lepsoe, G. S. Ortnier, and J. H. Salter. 2,384,479; Sept. 11.
Chloroaniline antifoggants. G. E. Fallesen. 2,384,613; Sept. 11.
Circuit: See—
Resonant circuit.
Clasp, Pen and pencil. H. Singer. 2,384,703; Sept. 11.
Cleaner: See—
Air cleaner.
Clip: See—
Umbilical clip.
Closure means for electric wiring units, End. J. F. O'Brien. 2,384,487; Sept. 11.
Cloth plinning device. I. Kruger. 2,384,554; Sept. 11.
Clutch: See—
Face clutch.
Coating compositions and the like. J. E. Fratis. 2,384,671; Sept. 11.
Code-controlled apparatus. A. C. Winter. 2,384,513-14; Sept. 11.
Coin-controlled liquid dispensing apparatus. J. M. Alex-ander. 2,384,585; Sept. 11.
Collet type pulling head. A. S. Mullgardt. 2,384,690; Sept. 11.
Color photography. P. W. Vittum. 2,384,658; Sept. 11.
Combination combat and construction vehicle. M. C. Schwab. 2,384,646; Sept. 11.
Condenser material and making same. H. F. Fruth. 2,384,541; Sept. 11.
Container: See—
Chemical heating con-tainer.
Control mechanism for mining apparatus. C. P. Baldwin and H. H. Vanderzee. 2,384,447; Sept. 11.
Control system. H. B. Holthouse. 2,384,468; Sept. 11.
Control system. S. G. Issersted. 2,384,622; Sept. 11.
Control system. W. A. Ray. 2,384,696; Sept. 11.
Copolymers of butadiene-1,3 hydrocarbons and other or-ganic compounds. W. L. Semon. 2,384,572; Sept. 11.
Copolymers of dienes and olefinic dicarboxylic acid esters. W. L. Semon. 2,384,569; Sept. 11.
Corrosion by phosphorous, Preventing. J. S. Streicher. 2,384,502; Sept. 11.
Coupler. E. P. Kinne and F. H. Kayler. 2,384,748; Sept. 11.
Coupling: See—
Flexible hose coupling.
Covering material for aircraft frame structures and the like and producing the same. A. Ryan. 2,384,771; Sept. 11.
Crystal. W. E. Kneustler. 2,384,756; Sept. 11.
Crystal holder. W. E. Kneustler. 2,384,757; Sept. 11.
Cushion seat. D. C. Varma. 2,384,713; Sept. 11.
Dehydrator for automobile bodies, Rear window. G. Ray. 2,384,769; Sept. 11.
Dental floss holder. J. and H. Turenchalk. 2,384,712; Sept. 11.
Derivatives of 5-amino-1, 3-dioxanes, and making same. M. De Groote. 2,384,605-6-7; Sept. 11.
Desuperheater. A. J. Wegmann. 2,384,511; Sept. 11.
Die set, Self-contained. C. H. Tauser. 2,384,708; Sept. 11.
Digger and shaker, Peanut. B. and J. G. Mooney. 2,384,763; Sept. 11.

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Digger attachment for tractors, Posthole. R. J. Piper. 2,384,557; Sept. 11.
 Digger, Building foundation. M. M. Hickey. 2,384,466; Sept. 11.
 Dispenser: See—
 Tape dispenser.
 Display form, Garment. N. Shafarman. 2,384,495; Sept. 11.
 Dock, Graving or basin dry. F. R. Harris. 2,384,464; Sept. 11.
 Dock, Basin or graving dry. F. R. Harris. 2,384,616; Sept. 11.
 Drill handle driving mechanism. W. G. Hoelscher. 2,384,744-5; Sept. 11.
 Dual engine vehicle. B. W. Keese and A. J. Hazen. 2,384,470; Sept. 11.
 Dust release mechanism. F. Smith. 2,384,651; Sept. 11.
 Dust collecting apparatus. M. Litman. 2,384,688; Sept. 11.
 Dyestuffs, Mixtures of azo. F. Felix and A. Heckendorf. 2,384,734; Sept. 11.
 Dyestuffs, Monoazo. A. H. Knight. 2,384,749; Sept. 11.
 Dyestuffs, Monoazo. A. H. Knight and W. E. Stephen. 2,384,752-4; Sept. 11.
 Dyestuffs, Monoazo. A. H. Knight. 2,384,755; Sept. 11.
 Dyestuffs, Monoazo acid. A. H. Knight and W. E. Stephen. 2,384,750-1; Sept. 11.
 Echo-sounding device with arrested indicators. P. Orlich and H. Hartz. 2,384,766; Sept. 11.
 Electric iron hand grip. T. F. Safady. 2,384,642; Sept. 11.
 Electric motor rotors, Making. H. E. Pancher. 2,384,489; Sept. 11.
 Engine. W. G. Gernandt. 2,384,461; Sept. 11.
 Envelope stuffing machine. R. H. Thompson. 2,384,506; Sept. 11.
 Esters. J. C. Thomas. 2,384,577; Sept. 11.
 Esters, Ether. D. D. Coffman. 2,384,726; Sept. 11.
 Esters of carbonic acid, Acylated aminoalcohol. M. De Groote and B. Keiser. 2,384,608; Sept. 11.
 Esters of polybasic aliphatic acids with hydroxy compounds of the androstane and pregnane series and making the same, Neutral. H. H. Inhoffen. 2,384,550; Sept. 11.
 Evaporator, Crystallizing. J. S. Hughes. 2,384,747; Sept. 11.
 Fabric coating machine. F. B. Quinn and R. G. Levitch. 2,384,695; Sept. 11.
 Face clutch. E. Wildhaber. 2,384,582-4; Sept. 11.
 Fastening device. G. A. Tinnerman. 2,384,508; Sept. 11.
 Feed mechanism. W. F. Ocenasek. 2,384,732; Sept. 11.
 Film reel. J. Isaac. 2,384,621; Sept. 11.
 Film magazine. F. H. Owens. 2,384,637; Sept. 11.
 Films, Making photographic. R. W. Tyler. 2,384,657; Sept. 11.
 Finder, View and range. E. K. Kaprellan. 2,384,552; Sept. 11.
 Fire extinguisher. W. F. Blake. 2,384,526; Sept. 11.
 Flexible hose coupling. W. A. Melsom. 2,384,635; Sept. 11.
 Float operated mechanism. J. H. Crumble. 2,384,536; Sept. 11.
 Fluid-pressure operated apparatus. E. Matullonis. 2,384,760; Sept. 11.
 Fluorine compounds, Separating. A. F. Benning and J. D. Park. 2,384,449; Sept. 11.
 Foam, Rigid. O. R. Douthett. 2,384,611; Sept. 11.
 Frequency responsive indicating apparatus. A. M. Wengel. 2,384,716; Sept. 11.
 Fuel carburation system. R. P. De Vries. 2,384,609; Sept. 11.
 Fur cleaning apparatus. F. X. Dubay. 2,384,458; Sept. 11.
 Furnace. T. W. Munford. 2,384,764; Sept. 11.
 Gauge for pneumatic tires, Pressure. A. Boynton. 2,384,437; Sept. 11.
 Gauge, Renovating worn gap. H. S. Hallewell. 2,384,674; Sept. 11.
 Gauging device. W. F. Aller. 2,384,518-19; Sept. 11.
 Gears, Cutting. A. L. Stewart. 2,384,499; Sept. 11.
 Generator: See—
 Steam generator.
 Geophysical prospecting apparatus. A. F. Hasbrook. 2,384,739; Sept. 11.
 Glass forming machine. T. H. Sloan. 2,384,498; Sept. 11.
 Glue and gelatin, Extracting. D. P. Grettie. 2,384,673; Sept. 11.
 Governor, Wind impeller. J. Prince. 2,384,767; Sept. 11.
 Grate. R. L. Beers. 2,384,433; Sept. 11.
 Greenhouse construction. M. P. Anderson. 2,384,719; Sept. 11.
 Guide, Matrix. G. J. Koch and R. P. Leavitt. 2,384,626; Sept. 11.
 Gun, Gas. A. T. Escobar. 2,384,733; Sept. 11.
 Gyro-vertical. T. O. Mehan. 2,384,761; Sept. 11.
 Hammer for hammer mills, Double. J. G. Bryant, Jr. 2,384,531; Sept. 11.
 Handle for containers. L. S. Witherspoon. 2,384,718; Sept. 11.
 Hanger: See—
 Picture hanger.
 Hanger device. J. A. Carr. 2,384,440; Sept. 11.
 Harmonica, Chromatic. F. H. Magnus. 2,384,758; Sept. 11.

Hat packing stay and combination package. J. G. Huye. 2,384,680; Sept. 11.
 Heat exchanger, Tubular. E. Villiger. 2,384,714; Sept. 11.
 Heating apparatus. C. Volkman. 2,384,510; Sept. 11.
 Helices of varying depth, Generating. J. E. Kline. 2,384,625; Sept. 11.
 Helicopter. S. Apostolescu. 2,384,445; Sept. 11.
 Helmet, Welder's. J. O'Reilly. 2,384,765; Sept. 11.
 Holder: See—
 Crystal holder. Necktie holder.
 Dental floss holder.
 Hollow form. R. W. Hemphill. 2,384,741; Sept. 11.
 Hydraulic operating unit. H. Schreck. 2,384,701; Sept. 11.
 Hydraulic system. R. H. Sullwold. 2,384,706; Sept. 11.
 Hydrocarbon, Treatment of. C. L. Thomas and V. Haensel. 2,384,505; Sept. 11.
 Hydrocarbons, Dehydrogenating. W. A. Schulze. 2,384,645; Sept. 11.
 Hydrometer. E. B. Westlake, Jr. 2,384,664; Sept. 11.
 Ignition device. P. L. Bucy. 2,384,438; Sept. 11.
 Ignition device. E. Olson and S. M. Udale. 2,384,692; Sept. 11.
 Incinerator, Garbage. H. W. Sharpe. 2,384,496; Sept. 11.
 Inclometer. J. L. Chaney and G. D. Hunt. 2,384,453; Sept. 11.
 Indicator: See—
 Trim angle indicator.
 Indicator and system, Aircraft flight. E. Norden, F. Q. Gemmill, and E. J. Isbister. 2,384,484; Sept. 11.
 Indicating device. M. C. Smith. 2,384,653; Sept. 11.
 Indium, Recovery of. H. M. Doran, M. A. Jackson, and A. I. Alf. 2,384,610; Sept. 11.
 Inhibitors, Pickling. W. H. Hill. 2,384,467; Sept. 11.
 Insole-insert combination. M. Margolin. 2,384,481; Sept. 11.
 Instrument, Observation. T. L. Thurlow. 2,384,507; Sept. 11.
 Insulation for electrical conductors, Inorganic. H. F. Fruth, W. O. Haas, Jr., and E. G. Walters. 2,384,542; Sept. 11.
 Iron: See—
 Pressing iron.
 Joint: See—
 Pressure sealing joint.
 Lacquer, Bronzing. C. J. Rolle. 2,384,493; Sept. 11.
 Ladder. C. A. Hill. 2,384,743; Sept. 11.
 Lens surfaces, Forming. H. L. Penberthy. 2,384,638; Sept. 11.
 Level. F. J. Allgeo. 2,384,586; Sept. 11.
 Life preserving apparatus. G. H. Bingham, Jr. 2,384,721; Sept. 11.
 Lifting mechanism. C. D. P. Smallpeice. 2,384,774; Sept. 11.
 Locating bottom of oil production. D. Silverman. 2,384,648; Sept. 11.
 Lock for screw threads, Friction. R. Ensinger and J. H. Foote. 2,384,688; Sept. 11.
 Lubricant. L. P. Jehle. 2,384,551; Sept. 11.
 Lubricating system for machine tools. W. G. Baldenhofer. 2,384,590; Sept. 11.
 Machine for finishing the runner face of skis. B. O. Westman. 2,384,777; Sept. 11.
 Machine gun case and link ejection chute. E. C. Holton. 2,384,678; Sept. 11.
 Machine protective apparatus. C. A. Wiken and E. A. Reibig. 2,384,512; Sept. 11.
 Machine tool. W. F. Biesl. 2,384,527; Sept. 11.
 Magazine for safety razors. N. Testi. 2,384,503; Sept. 11.
 Magnesium silicates and making same. R. Roseman and H. Eisenberg. 2,384,563; Sept. 11.
 Magnesium silicate suspensions and making same. R. Roseman and H. Eisenberg. 2,384,564; Sept. 11.
 Magnetic instrument. V. W. Breitenstein. 2,384,529; Sept. 11.
 Manifold, Intake. N. H. Janes. 2,384,681; Sept. 11.
 Massage apparatus. M. Andis. 2,384,427; Sept. 11.
 Mechanism for transmitting linear or rotary movement. N. E. Hewitt. 2,384,742; Sept. 11.
 Mechanical movement and swaging machine. F. J. Rode. 2,384,641; Sept. 11.
 Mechanical stoker for kilns and their mountings. F. M. Miller, A. C. Shape, and W. H. McClelland. 2,384,762; Sept. 11.
 Meter: See—
 Synchronous motor time meter.
 Molding and core sand, Reclaiming. B. A. Smith. 2,384,573; Sept. 11.
 Mop. P. B. Coats. 2,384,602; Sept. 11.
 Motion-picture apparatus. F. O. Calvin, W. G. Wilson, and T. R. Smith. 2,384,597; Sept. 11.
 Motion pictures, Making. D. B. Clark. 2,384,601; Sept. 11.
 Motorboat propulsion mechanism. M. C. Bossen. 2,384,436; Sept. 11.
 Mount, Antivibration or shock absorber. D. L. Lane. 2,384,476; Sept. 11.
 Multipolymers containing a conjugated diene hydrocarbon, Rubberlike. W. L. Semon. 2,384,570; Sept. 11.

Multipolymers prepared from mixtures including a conjugated diene hydrocarbon, Rubberlike. W. L. Semon. 2,384,571; Sept. 11.
 Necktie holder. W. H. Quin. 2,384,694; Sept. 11.
 Nipper system, Comber. F. L. Crockett. 2,384,603; Sept. 11.
 Nitrites, Isomerization of unsaturated. J. E. Mahan. 2,384,630; Sept. 11.
 Nitroguanidine, Neutralizing crude. K. D. Ashley. 2,384,446; Sept. 11.
 Nonbacklash device for fishing reels. R. B. Muffett. 2,384,561; Sept. 11.
 Nut, Floating. V. L. Darby. 2,384,729; Sept. 11.
 Objective for reflex sight. W. Schade. 2,384,643; Sept. 11.
 Observation device. E. F. Flint. 2,384,540; Sept. 11.
 Oil, Lubricating. C. M. Blair, Jr. 2,384,595; Sept. 11.
 Oils, Treating vulcanized. K. W. Posnansky. 2,384,491; Sept. 11.
 Optical element. A. F. Turner. 2,384,578; Sept. 11.
 Optical instrument. J. F. Brandt and R. F. E. Stegeman. 2,384,528; Sept. 11.
 Oxygen system. G. C. Fields. 2,384,669; Sept. 11.
 Packaging. G. M. Schutter. 2,384,494; Sept. 11.
 Packaging, Method and apparatus for. E. J. Rebechini. 2,384,492; Sept. 11.
 Paper, currency. C. G. Dowd. 2,384,667; Sept. 11.
 Paper of good wet strength, Manufacture of. K. J. MacKenzie and R. S. Bryce. 2,384,632; Sept. 11.
 Phenyl-isopropyl-amine and the manufacture of same, Alkylated. O. B. Schnider. 2,384,700; Sept. 11.
 Phosphoric acid manufacture. M. Shoeld. 2,384,773; Sept. 11.
 Photographic developers, Single-powder. F. R. Bean. 2,384,592; Sept. 11.
 Photographic mask, Combination field-evening and color-correction. R. M. Evans and N. D. Miller. 2,384,612; Sept. 11.
 Photographic material. B. H. Carroll. 2,384,598; Sept. 11.
 Photographic tone correction mask. F. C. Williams, W. T. Hanson, Jr., and H. F. Ott. 2,384,665; Sept. 11.
 Picture hanger. F. S. Lapeyre. 2,384,478; Sept. 11.
 Pigments, Iron. V. C. Vesce. 2,384,579; Sept. 11.
 Piston structure. F. F. Chamlee. 2,384,533; Sept. 11.
 Plastic composition and preparing same. J. C. Cowan and H. M. Teeter. 2,384,443; Sept. 11.
 Platform and leg construction. N. S. Ancell. 2,384,426; Sept. 11.
 Plow attachment for tractors. F. P. Noffsinger. 2,384,483; Sept. 11.
 Pocket ash receptacle. H. A. Christian. 2,384,442; Sept. 11.
 Polymerization products. W. L. Semon. 2,384,568; Sept. 11.
 Pop-up spud wrench. C. S. Beverly. 2,384,525; Sept. 11.
 Portable cutting tool. A. G. Bodine, Jr. 2,384,435; Sept. 11.
 Power lift and power-driven implement. L. V. Kingsbury. 2,384,623; Sept. 11.
 Power transmission unit with load speed and direction control. L. A. Trofimov. 2,384,776; Sept. 11.
 Presser foot, Sewing machine. J. Cosentino. 2,384,454; Sept. 11.
 Pressing iron. E. P. Schreyer. 2,384,644; Sept. 11.
 Pressure sealing joint. M. A. Gleeson. 2,384,672; Sept. 11.
 Projection system. R. Kingslake and M. Reiss. 2,384,624; Sept. 11.
 Propeller, Reversible pitch. O. E. Dietrich. 2,384,780; Sept. 11.
 Pump for plastic concrete mixtures. C. I. Longenecker. 2,384,783; Sept. 11.
 Punch, Automatic center. L. A. Sweet. 2,384,707; Sept. 11.
 Putting green. W. F. Brodzik and V. Muranyi. 2,384,723; Sept. 11.
 Quack grass digging apparatus. C. Koehler. 2,384,685; Sept. 11.
 Quiz board. G. G. Eppley. 2,384,539; Sept. 11.
 Radio antenna for automobiles and the like. A. T. Mace. 2,384,631; Sept. 11.
 Radio receiving system. J. R. Davey. 2,384,456; Sept. 11.
 Receptacle: See—
 Pocket ash receptacle. Sanitary waste receptacle.
 Receptacles, Forming counterbored. D. H. Cravener, Jr., R. C. Ingersoll, and F. B. Wendel. 2,384,444; Sept. 11.
 Recorder, Facsimile. A. Blain. 2,384,722; Sept. 11.
 Recording apparatus, Signal. R. J. Wise. 2,384,515; Sept. 11.
 Reel: See—
 Film reel.
 Reflecting device for signs and the like. F. A. Best. 2,384,524; Sept. 11.
 Resin, Plasticized polyvinyl acetal. J. M. De Bell and E. R. Derby. 2,384,537-8; Sept. 11.
 Resonant circuit. E. P. Thias. 2,384,504; Sept. 11.
 Ring shaping machine. R. Stenwall. 2,384,705; Sept. 11.
 Rivet magazine. F. M. Harvey. 2,384,738; Sept. 11.
 Riveting tool. E. M. Bettington. 2,384,434; Sept. 11.
 Rotary electric switch. H. Smith. 2,384,652; Sept. 11.
 Rotary valve. T. Gerdes. 2,384,548; Sept. 11.

Rounding machine. C. G. Brostrom and W. E. Naugler. 2,384,530; Sept. 11.
 Rubber, Preparing synthetic. C. F. Fryling. 2,384,544; Sept. 11.
 Rubber, Preparation of synthetic. C. F. Fryling. 2,384,546; Sept. 11.
 Rubber, Vulcanizable isobutylene-mono-vinylacetylene synthetic. C. E. Denoon, Jr. 2,384,731; Sept. 11.
 Rubberlike materials, Synthetic. C. F. Fryling. 2,384,543; Sept. 11.
 Ruler, Parallel. C. W. Kuhne. 2,384,555; Sept. 11.
 Safety cutoff switch. A. C. Murphy. 2,384,562; Sept. 11.
 Salvaging device. J. Wertheimer. 2,384,580; Sept. 11.
 Sanding device. G. W. Thomas. 2,384,656; Sept. 11.
 Sanitary waste receptacle. N. T. Thoren. 2,384,709; Sept. 11.
 Scrubbing and cleaning machine, Automatic sheep pelt. R. A. Nott and L. S. Ellis. 2,384,691; Sept. 11.
 Seat: See—
 Cushion seat.
 Self-closing and slow-closing valve. H. C. Krone and W. Meyer. 2,384,627; Sept. 11.
 Separator: See—
 Centrifugal separator.
 Sewing machine. N. F. Townsend and F. P. Tamburro. 2,384,509; Sept. 11.
 Sewing machine and thread controlling device. Shoe. T. F. Orr and L. S. Curtin. 2,384,488; Sept. 11.
 Sewing machine motor controller. C. R. Schenk. 2,384,772; Sept. 11.
 Sheet delivery control arrangement in printing presses. M. R. Bellamy. 2,384,523; Sept. 11.
 Shell, Explosive dump. O. E. Chenoweth and P. F. Lewis. 2,384,534; Sept. 11.
 Shoe construction. O. G. Beestrum. 2,384,431; Sept. 11.
 Shutter, Automatic welding visor. W. B. Zimmerman, W. A. Martin, and J. Chisik. 2,384,517; Sept. 11.
 Shutter, Camera. C. C. Fuerst. 2,384,615; Sept. 11.
 Shutter, High-speed. W. A. Riddell. 2,384,639; Sept. 11.
 Sifting apparatus. R. V. Ward. 2,384,715; Sept. 11.
 Signal: See—
 Vehicle signal.
 Sinker head for knitting machines. A. L. Brumbach. 2,384,451; Sept. 11.
 Sling fitting. R. W. Siler. 2,384,497; Sept. 11.
 Spark advance device. E. Olson. 2,384,693; Sept. 11.
 Spice, Processing. W. A. Bush and E. A. Lasher. 2,384,532; Sept. 11.
 Splint, Fracture. H. S. Williams. 2,384,779; Sept. 11.
 Spring gauging device. W. F. Aller. 2,384,520; Sept. 11.
 Staple and its manufacture. J. C. Lang. 2,384,477; Sept. 11.
 Staple and making same. J. C. Lang. 2,384,475; Sept. 11.
 Steam generator. J. P. Badenhausen. 2,384,588; Sept. 11.
 Steam generator. J. A. Standing. 2,384,704; Sept. 11.
 Stoker. R. L. Beers. 2,384,432; Sept. 11.
 Stove, Magazine. W. A. Burke and H. J. and W. O. Frese. 2,384,596; Sept. 11.
 Strip forming apparatus. C. Norton. 2,384,485-6; Sept. 11.
 Submarine signaling apparatus. B. M. Harrison. 2,384,465; Sept. 11.
 Support for heat-treating containers. H. H. Harris. 2,384,617; Sept. 11.
 Swivel. J. Plum and H. B. Maris. 2,384,490; Sept. 11.
 Switch: See—
 Rotary electric switch. Safety cutoff switch.
 Synchronous motor time meter. A. Wiedemeier. 2,384,581; Sept. 11.
 System for generating steam. J. P. Badenhausen. 2,384,587; Sept. 11.
 System for vaporizing crude oil for use as a fuel for internal-combustion engines and converters functionable therein. L. Landers, Jr. 2,384,472-3; Sept. 11.
 Tamping apparatus. J. Kalix. 2,384,469; Sept. 11.
 Tank truck bottom loading and discharge means. H. C. Krone and W. Meyer. 2,384,628; Sept. 11.
 Tape dispenser. J. S. Stull. 2,384,575; Sept. 11.
 Telephone coupling apparatus. C. W. Dann. 2,384,604; Sept. 11.
 Telephone system. R. E. Hersey. 2,384,620; Sept. 11.
 Telephone system. H. T. Stenhammer. 2,384,775; Sept. 11.
 Television scanning system. J. C. Wilson. 2,384,717; Sept. 11.
 Tension device. W. O. Sjogren. 2,384,650; Sept. 11.
 Terpene isomerization in liquid phase. R. W. Martin. 2,384,482; Sept. 11.
 Therapeutic device. L. and R. Fisher. 2,384,670; Sept. 11.
 Thermoplastic compositions, Extruding. B. Andersen and R. F. Strasdin. 2,384,521; Sept. 11.
 Tool: See—
 Machine tool. Riveting tool.
 Portable cutting tool.
 Tool for stuffing pimiento and the like. M. S. Ball. 2,384,429; Sept. 11.

LIST OF INVENTIONS

Toolholder. C. A. Cherry. 2,384,600; Sept. 11.	Vehicle: See—	Dual vehicle.
Tong. Plate. L. Nelson. 2,384,636; Sept. 11.	Automotive vehicle.	
Toy, Pseudo-tracked vehicular. O. F. Larsen, Jr. 2,384,687; Sept. 11.	Combination combat and construction vehicle.	
Trailer. R. Barries. 2,384,591; Sept. 11.	Vehicle. S. C. Carter. 2,384,441; Sept. 11.	
Trailer. C. F. Wait. 2,384,659; Sept. 11.	Vehicle. J. H. Crumble. 2,384,728; Sept. 11.	
Transmission. O. H. Banker. 2,384,448; Sept. 11.	Vehicle. B. W. Keese and C. A. Blair. 2,384,471; Sept. 11.	
Transmission. H. E. Carnagua and K. K. Stough. 2,384,439; Sept. 11.	Vehicle signal. M. L. Moore. 2,384,689; Sept. 11.	
Transmitter, Selecting impulse. L. M. Potts. 2,384,558; Sept. 11.	Vinyl aromatic polymer and hydrogenated vinyl aromatic polymer, Solid solution of. H. P. Heller. 2,384,619; Sept. 11.	
Trim angle indicator. L. F. Carter. 2,384,452; Sept. 11.	Volume control, Automatic air. A. P. Ruth. 2,384,770; Sept. 11.	
Tripod leg, Telescopic. C. W. Trippensee. 2,384,710; Sept. 11.	Water-power wheel. J. Y. Robertson. 2,384,698; Sept. 11.	
Truck and brake organization. C. L. Eksergian. 2,384,459; Sept. 11.	Wheel: See—	
Tube closure machine, Welded. W. W. Heckethorn. 2,384,740; Sept. 11.	Buffing and polishing wheel.	Water-power wheel.
Tube straightening machine. C. L. Dewey. 2,384,457; Sept. 11.	Wheel. C. W. Sinclair. 2,384,649; Sept. 11.	
Umbilical clip. P. Riccardi. 2,384,697; Sept. 11.	Wheels, Grinding. S. S. Kistler. 2,384,683-4; Sept. 11.	
Valve: See—	Wrench: See—	
Rotary valve.	Pop-up spud wrench.	
Self-closing and slow-closing valve.	X-ray timer. M. M. Schwarzschild. 2,384,647; Sept. 11.	
	Zirconia, Production of. M. O. Axt. 2,384,428; Sept. 11.	

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 11, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 49: 2,384,554	58— 105: 2,384,549	95— 2: 2,384,612	137— 68: 2,384,628	194— 13: 2,384,585	260— 28: 2,384,611
2— 8: 2,384,517	59— 77: 2,384,475	6: 2,384,605	153: 2,384,669	200— 6: 2,384,652	36: 2,384,537
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55— 51: 2,384,623	6: 2,384,506	2,384,663	91: 2,384,712	192— 53: 2,384,439	309— 11: 2,384,533
110: 2,384,522	04— 48: 2,384,469	2,384,663	136— 86: 2,384,463	67: 2,384,583	311— 110: 2,384,426
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,384,435: 164— 56	2,384,511: 183— 24	2,384,536: 60— 7	2,384,551: 252— 35	2,384,644: 38— 79	2,384,707: 81— 52.3
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CLASSIFICATION OF DESIGNS

D 3— 4: Des. 142,364	D 34— 5: Des. 142,352	D 34— 15: Des. 142,360	D 49— 6: Des. 142,355	D 74— 17: Des. 142,361	D 83— 1: Des. 142,358
D 14— 3: Des. 142,365	Des. 142,353	Des. 142,367	D 58— 4: Des. 142,366	D 83— 1: Des. 142,354	D 91— 1: Des. 142,362
D 29— 20: Des. 142,356	15: Des. 142,350	D 42— 7: Des. 142,357	D 62— 4: Des. 142,363		

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Notice

Under the provisions of Public Law 239, 77th Congress, Approved Aug. 21, 1941 (55 Stat. 657; 35 U. S. C. 42a), the optional procedure authorized in regulation 16 will apply to all foreign countries excluding Japan, Germany, Bulgaria, Italy, Austria, Roumania, and Hungary.

CONDER C. HENRY,
Assistant Commissioner of Patents.

General Rescinding Order

Subject to the exception hereinafter noted, all Orders of Secrecy heretofore issued by the Commissioner of Patents pursuant to the Act of October 6, 1917 (40 Stat. 394; U. S. C., title 35, sec. 42), as amended, are hereby rescinded. The Commissioner of Patents may except any application from this order by written notice sent to the principals at their addresses of record on or before the effective date hereof.

This order shall take effect on November 30, 1945.

CASPER W. OOMS,
Commissioner.

August 30, 1945.

Notice of Cancellation

U. S. PATENT OFFICE, Richmond, Va., Aug. 22, 1945.

CeCo Manufacturing Company, Inc., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Argus, Incorporated, 405 Fourth St., Ann Arbor, Mich., to effect the cancellation of trade-mark registration of CeCo Manufacturing Company, Inc., 1200 Eddy St., Providence, R. I., No. 286,146, issued August 18, 1931, and the notice of such proceeding sent by registered mail to the said CeCo Manufacturing Company, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said CeCo Manufacturing Company, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Disclaimer

2,259,527.—Keith R. Manville, Highland Park, N. J. SYNCHRONIZING MECHANISM. Patent dated Oct. 21, 1941. Disclaimer filed Aug. 24, 1945, by the inventor; the assignee, Mack Manufacturing Corporation, approving and consenting.

Hereby enters this disclaimer to claim 3 of said patent.

Notice of Opposition

U. S. PATENT OFFICE, Richmond, Va., Sept. 4, 1945.

James A. S. Furlonge, his assigns or legal representatives, take notice:

An opposition proceeding has been instituted by this Office upon the petition of San-Nap-Pak Co., Inc., 1440 Broadway, New York, N. Y., against the application for registration of a trade-mark to James A. S. Furlonge, 712 S. Olive St., Los Angeles 14, Calif. The Office has been notified of the death of said Furlonge. An opportunity was afforded the legal representative of the deceased to intervene. No response having been made thereto, notice is hereby given that unless said Furlonge, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the opposition will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

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Condition of Applications Under Examination at Close of Business August 31, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 63,717; Trade-Mark Division, 2,813. Oldest new case, Sept. 1, 1944; oldest amended, Sept. 8, 1944.) (The dates given are 1944 except where † indicates 1945.)		Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS		New	Amended	
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Nov. 23	Dec. 5	1072	
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Oct. 10	Oct. 6	1274	
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Nov. 25	Dec. 1	1283	
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Dec. 13	Jan. 19	1028	
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Sept. 15	Sept. 8	1747	
6. GENIESSE, E. W., Carbon Chemistry (part)	Dec. 11	Jan. 5	1197	
7. JARBOE, C. G., Optics, Photography	†Mar. 19	†Mar. 16	992	
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	†Mar. 1	†Feb. 6	1042	
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Oct. 19	Oct. 25	1193	
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Apr. 18	†Apr. 10	351	
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Oct. 18	Oct. 10	1377	
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning	Nov. 4	Nov. 7	1028	
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	†Mar. 3	†Feb. 20	803	
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	†Mar. 22	†Jan. 20	892	
16. SPENCER, C. J., Telegraphy; Telephony	†Feb. 7	†Feb. 7	817	
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Nov. 2	Nov. 8	666	
18. KURZ, J. A., Motors, Expandable-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Dec. 13	Oct. 21	1148	
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Nov. 9	Nov. 23	715	
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	†Feb. 7	†Feb. 8	770	
21. THOMPSON, T. J., Textiles	†Feb. 17	†Feb. 14	483	
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	†Jan. 13	†Jan. 12	1387	
23. LEWIS, J. B., Cash Registers; Calculators (part)	†Jan. 29	†Dec. 7	150	
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Feb. 20	†Feb. 20	830	
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Dec. 9	†Jan. 1	1001	
26. YOUNG, R. R., Electricity—Generation and Motive Power	Nov. 1	Nov. 1	1180	
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Nov. 13	Oct. 27	1099	
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	Oct. 5	Oct. 9	1004	
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	Nov. 20	Nov. 17	1165	
30. MCCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidistats; Heating Systems; Ammunition and Explosive Devices.	†Jan. 1	†Jan. 1	1244	
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils.	†Apr. 12	†Apr. 13	809	
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	†Feb. 15	†Mar. 5	938	
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	†Jan. 25	†Jan. 15	1150	
34. SAPIERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Dec. 11	Dec. 15	638	
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Nov. 21	Nov. 16	1001	
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring.	Dec. 14	†Jan. 3	756	
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers.	Oct. 2	Sept. 13	1163	
38. KRAFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation.	Dec. 5	Dec. 2	883	
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Nov. 22	Nov. 30	1243	
40. DRUMMOND, E. J., Receptacles (part); Packages.	Dec. 27	Dec. 22	1430	
41. HERTZ, M., Coin Handling; Records; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Dec. 4	Dec. 9	527	
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters.	†Feb. 3	†Jan. 29	652	
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Dec. 2	Dec. 8	812	
44. HARVEY, L. P., Refrigeration; Preserving.	Sept. 11	Sept. 29	702	
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Nov. 28	Dec. 13	1315	
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Nov. 16	Nov. 23	762	
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	†Feb. 17	†Feb. 17	1182	
48. ROEPKE, O. E., Electricity, General Applications; Electric Igniters.	Dec. 5	Nov. 30	1253	
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	†Feb. 16	†Feb. 6	698	
50. LEVIN, SAMUEL, Synthetic Resins.	†Jan. 25	†Jan. 29	1463	
51. CROOKER, A. W., Radiant Energy; Modulators.	Dec. 15	Dec. 11	1863	
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Oct. 23	Nov. 17	1601	
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manfolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Sept. 1	Sept. 29	1287	
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Sept. 20	Sept. 13	1362	
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	†Jan. 20	†Jan. 19	920	
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making.	Oct. 25	Oct. 31	1020	
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Nov. 8	Nov. 1	1118	
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	†Feb. 23	†Mar. 9	718	
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part).	Oct. 12	Oct. 19	1394	
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Nov. 24	Nov. 24	1137	
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Sept. 23	Dec. 21	1116	
62. FUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors.	Oct. 13	Oct. 11	1911	
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Oct. 27	Dec. 12	1503	
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel.	†Apr. 26	†Apr. 25	730	
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Oct. 11	Oct. 12	1356	
TRADE-MARKS: RICHMOND, F. A.	†May 24	†June 11	2813	
DESIGNS: KALUPY, H. H.	†June 1	†July 14	1394	

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE FISHER

No. 4,902. Decided April 9, 1945

[148 F.(2d) 1009; 65 USPQ 332]

PATENTABILITY—INTERNAL COMBUSTION ENGINE.

Certain claims of an application on automatic compression control for an internal combustion engine *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Frederic P. Warfield for Fisher.

Mr. W. W. Cochran (Mr. E. L. Reynolds of counsel) for the Commissioner of Patents.

JACKSON, J.:

From a decision of the Board of Appeals of the United States Patent Office affirming action by the Primary Examiner in finally rejecting claims 1, 4, 10, 11, 12, 16, 20, 21, 24, and 25 of an application for a patent on Automatic Compression Control for Internal Combustion Engines on the ground of lack of invention over the prior art appellant appeals to this court. Eleven claims were allowed. The appeal as to claim 4 has been withdrawn and will therefore be dismissed.

The references cited are: Westinghouse, 906,177, December 8, 1908; McClintock, 922,613, May 25, 1909; Griesbach (British), 26,338, November 24, 1911; Cutler, 1,301,658, April 22, 1919; Henriod (French), 557,969, August 20, 1923; Redmond, 1,812,983, July 7, 1931; Hartley, 1,817,747, August 4, 1931; Wright, 1,891,587, December 20, 1932.

Claim 1 is illustrative of the subject matter and reads as follows:

1. In an internal combustion engine, a cylinder, a working piston in said cylinder, means exclusive of said working piston to alter the combustion space of said cylinder independently of the movement of said working piston, and means to control said last-mentioned means by the load conditions of said engine.

The invention relates to internal combustion engines comprising a plurality of cylinders with working pistons functioning in conventional fashion. On the upper end of each cylinder is mounted an auxiliary cylinder communicating therewith and provided with an auxiliary piston. Those pistons are mounted on the eccentrics of a single crankshaft so that movement of the latter causes them to move up and down in unison. The shaft is biased toward the position of the auxiliary pistons at their top position by means of a coil spring, and the pistons are prevented from coming to rest on an upper or lower dead center by means of stops comprising a lug on the crankshaft.

The auxiliary pistons are fitted in their cylinders so that the compressed gases from the main cylinders can leak past, and to insure that equal pressure will be applied to the top of each piston the spaces above them are connected by a passage. The pressure over the auxiliary pistons, while depending upon pressure in the main cylinders, is less than

that pressure during the power stroke of the main pistons. Since the main cylinders function successively only one auxiliary piston at a time is exposed to the pressure of the power stroke. The pressure over those pistons causes them to move down as a unit. With increase in the working pressure of the main cylinders the auxiliary pistons rise, thus increasing the effective space of the main cylinders. Should pressure above the auxiliary pistons be more than desired, it may be vented by a safety valve.

The Primary Examiner rejected the claims as unpatentable over any one of the references. The Board in its general affirmance relied principally upon the patents to Wright, Redmond and Westinghouse.

The patent to Westinghouse discloses an internal combustion engine comprising a main cylinder and piston with an auxiliary cylinder and piston communicating with and superimposed upon the main cylinder. The piston of the auxiliary cylinder is adapted to recede under the compression and explosion pressure in the main cylinder against the pressure of a restraining fluid which is delivered to the auxiliary cylinder through a pipe. The aperture through which the restraining fluid enters is closed as soon as the auxiliary piston moves up from its lowest position. Therefore, the extent of upward movement by the auxiliary pistons against the pressure of the restraining fluid is in proportion to the pressure in the main cylinder, and when the pressure is great in the main cylinders the auxiliary pistons are moved up higher than they would be under less pressure, thereby enlarging the effective working space of the main cylinders.

The patents to Wright and Redmond disclose internal combustion engines provided with auxiliary pistons in cylinders mounted on a crankshaft and disposed at the top ends of the main cylinders. The shaft is subject to the action of a spring tending to move the pistons in unison in a downward direction while the operating pressure from the main cylinders of the engine urges them upwardly. Therefore, as the pressure from the main cylinders increases the auxiliary pistons are forced upwardly against the action of the spring, thereby making greater the effective volume of the main cylinders.

It may be readily observed with respect to claim 1 that the devices of the Westinghouse, Wright and Redmond patents are directed to an internal combustion engine, cylinders with a working piston in each, and auxiliary pistons and cylinders altering the combustion space of the working cylinders independently of the movement of the working piston. The load conditions disclosed in the patents to Redmond and Wright completely control the position of the pistons by reason of the fact that the springs of the patents impose a constant force upon the

auxiliary pistons. It is not necessary to discuss the other references.

Claim 10 differs from claim 1 in that it merely provides for a plurality of cylinders and pistons. The devices of the patents to Wright and Redmond both show such plurality of parts.

Claim 11 adds to the limitations of claim 10 the additional statement that there are "means simultaneously to control all of said expansible means in accordance with the load conditions of said engine." That limitation is met by the patents to Wright and Redmond for the reason that the auxiliary pistons disclosed therein are mounted on and actuated by means of a common crankshaft.

Claim 12 is similar to claim 11 except that it provides for "an auxiliary cylinder closed at its outer end" and "mechanical means to resist movement of each of said [auxiliary] pistons at the ends of the stroke thereof." While none of the cited patents discloses auxiliary cylinders closed at their outer ends, the devices of the Westinghouse, McClintock and Hartley patents possess fluid-tight auxiliary cylinders and therefore there would be no invention in applying the closed top feature to the devices of the Wright or Redmond patents. As the auxiliary pistons of the Wright or Redmond devices approach dead center the crankshaft opposes mechanical resistance to their movement in precisely the same fashion as is described by appellant.

Claim 16 adds "means to prevent said auxiliary piston from remaining on dead center at either end of its reciprocating movement." As pointed out in the brief of the Solicitor, the spring and plug plunger means disclosed by appellant prevents the auxiliary piston from ever reaching a dead center. If the literal meaning of the added means to that claim is to be considered the disclosure of appellant does not meet it, for the reason that the piston could not remain on dead center unless it finally reached that position. In the Wright device it is apparent that the auxiliary piston cannot reach a dead center. The coil spring regulating the return action of the auxiliary piston in that patent when fully expanded does not permit the piston to reach a dead center at its lower end for the reason that to do so it would be necessary to break the spark plug which would be in its path. Likewise the auxiliary piston of the patent cannot reach dead center at the upper end for the reason that in order to do so the shaft would have to rotate more than 90°, which would be an impossibility for the reason that less rotation would compress the spring "until it was solid."

Claim 20 is quite similar to claim 1, but adds the expression "means to prevent pressures of such a value [developed by explosion in the main cylinder] that detonation will be caused by too high a compression in said combustion space from affecting said pressure utilizing means." It appears to us that the springs disclosed in the Wright and Redmond patents would be so proportioned as to produce this result. Should the above quoted limitation be intended to mean the placing of a venting

valve in the structure, it is anticipated by the patent to McClintock.

Claim 21 adds a "means to steady the action" of the control means. This addition we think would be readily met by a dashpot or the like used for retarding sudden movement. Such is conventional. Furthermore, a dashpot, described as a "check and equalizing device," is shown in the Wright patent.

Claim 24 adds means for preventing excess pressures "comprising a spring pressed valve." Such a valve is shown in the McClintock apparatus.

Claim 25 is more broadly worded than claim 24 but possesses no limitations which would render it patentable over the prior art for the same reasons as stated in connection with claim 24.

For the reasons heretofore stated, the appeal is dismissed as to claim 4, and the decision of the Board of Appeals as to the other claims is affirmed. Affirmed.

Register of Patents Available for Licensing or Sale

Pat. 2,325,616. SHROUD RING. Patented Aug. 3, 1943. (Granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928; 370 O. G. 757.) For attachment at spaced intervals to a long cylindrical body which body will be maintained under water at substantially same depth throughout its length during towing operations. Means inside ring partly encircle and grip body from opposite sides and at same time function as guide fins or vanes. (Owner) Louis Landweber, David Taylor Model Basin, Washington 7, D. C. Groups 33—X2—41—81; 35—69. Reg. No. 316.

Pat. 2,122,187. CHEMICAL APPARATUS. Patented June 28, 1938. Group 28—83—89. Reg. No. 317.

Pat. 2,122,188. PROCESS FOR MANUFACTURING VISCOS. Patented June 28, 1938. Group 28—83—89. Reg. No. 318.

The two patents listed above cover a process and apparatus for successively xanthating alkali cellulose and dissolving resulting cellulose xanthate in alkali solution to form viscose. Both operations are carried out in a single closed chamber without opening machine. Eliminates formation of a heavy dough. Reduces consumption of power and minimizes danger from fire and explosion as well as eliminating necessity for great care in operation and maintenance. (Owner) Harold B. Vollrath, 3808 Davis Place N. W., Washington 7, D. C.

Pat. 2,302,986. ATRAUMATIC SUTURE LINK. Patented Nov. 24, 1942. Device is preformed with tongue portion looped back upon itself, the body portion having open upwardly extending wings. When placed between needle and cat-gut or the like wings are crimped downwardly and provide connecting link substantially no larger than suture. (Owner) Harold B. Vollrath, 3808 Davis Place N. W., Washington 7, D. C. Group 39—15. Reg. No. 319.

Pat. 2,328,955. WORKER'S THREAD KIT. Patented Sept. 7, 1943. Rigid durable material having several compartments and cover plate with plurality of holes. Hanks protrude through these holes and are secured to eyelets which prevent them falling back in box and becoming entangled before used up. Central compartment provides storage for spools of gimp. (Owner) Minnie F. Corder, 45 East 28th St., New York 16, N. Y. Groups 25—99; 28—83; 33—73; 35—83; 39—99. Reg. No. 320.

Des. Pat. 136,276. DESIGN FOR A NEEDLE WORKER'S UTILITY HOLDER. Patented Aug. 31, 1943. Serves two purposes. Storage box for piecework cards and pin cushion made of wood to keep needles, etc., in view of operator. (Owner) Minnie F. Corder, 45 East 28th St., New York 16, N. Y. Groups 25—99; 28—83; 33—73; 35—83; 39—99. Reg. No. 321.

Pat. 1,879,077. AUTOMATIC TRANSMISSION. Patented Oct. 30, 1934. Mechanism is entirely automatic and noiseless in operation at all forward speeds and reverse. Car is started off in low gear by gradually releasing foot pedal and when predetermined speeds are reached is automatically shifted to other positions. Mechanism provides two reverse speeds. (Owner) Donald Pilaar, 2920 S. West-nedge Ave., Kalamazoo, Mich. Group 38—31. Reg. No. 322.

Pat. 2,307,505. SYSTEM OF COMMUNICATION. Patented Jan. 5, 1943. For transmission of messages over ordinary channels such as wires or radio waves. Images of certain characters or symbols are photographed on a moving film or strip of light-sensitive paper. Can be adapted to transmit Morse code. (Owner) Ferdinand Heinmets, University of Pennsylvania, Johnson Foundation, Philadelphia, Pa. Group 36—61—62. Reg. No. 323.

Pat. 2,246,043. MACHINE FOR MAKING TUBES. Patented June 17, 1941. Sheet material, including paper, may be light or heavy. Tubes may be very thin or thick walled and consist of several layers. Has rotary cutter for cutting in desired lengths. Adapted to make continuous tubes. (Owner) Ferdinand Heinmets, University of Pennsylvania, Johnson Foundation, Philadelphia, Pa. Groups 26—64; 33—12; 34—41; 35—69. Reg. No. 324.

Pat. 2,290,914. COATED PIGMENT AND THE PREPARATION THEREOF. Patented July 28, 1942. For use in paints, etc.; may be obtained in relatively few minutes by subjecting a mixture of finely divided pigment and a small proportion of a suitable coating agent to mulling and mixing action while compressing mixture under substantial pressure. (Owner) Hirsch Machlin, 3022 Barnes Avenue, Bronx 67, N. Y. Group 28—11—12—83. Reg. No. 325.

Pat. 2,354,986. HARVESTING MECHANISM. Patented Aug. 1, 1944. When mechanism is propelled over the ground by tractor, etc., vines will be lifted and straightened up without mutilation, then cut off and conveyed rearwardly for disposal. Especially adapted for harvesting dried beans and operation over uneven ground. (Owner) Ralph Dixon, 15 Franklin Avenue, New Rochelle, N. Y. Group 35—22. Reg. No. 326.

Pat. 1,962,657. TANK HEATER. Patented June 12, 1934. For heating oil, asphalt, or the like. A substantially circular heating chamber housing a torch disposed inside along bottom of a horizontal cylindrical tank constructed so that material and heat are circulated. Reduces to minimum danger from fire or explosion. Only one heating torch is necessary where ordinarily two are required. (Owner) Nathan V. Hendricks, 327 Crystal Springs Avenue, Adrian, Mich. Groups 33—69; 34—95; 35—31. Reg. No. 327.

Pat. 1,971,262. DISTRIBUTOR HEAD FOR DISTRIBUTOR TANKS. Patented Aug. 21, 1934. For attachment to tanks used in spraying liquid on roads. Device is adjustable and provided with a plurality of nozzles at spaced intervals. Can be extended to lie beyond line of wheels for spraying. When rendered inoperative it is moved so that it lies substantially in line with wheels. Nozzles can be inverted when not in use to prevent dribbling. (Owner) Nathan V. Hendricks, 327 Crystal Springs Avenue, Adrian, Mich. Group 35—31—61. Reg. No. 328.

Pat. 1,825,846. CHAIR. Patented Oct. 6, 1931. Has interchangeable back and seat. Either section can be used as back or seat and adjusted independently of the other. A great variety of adjustments are possible. Side supporting members may be in the form of a semi-circle, the ends constituting feet. (Owner) Frank H. Anderson. Address correspondence to Elias Kahn, 505 West 52d Street, New York, N. Y. Group 25—11—12—14. Reg. No. 329.

Pat. 1,907,365. GAS TANK CAP LOCK. Patented May 2, 1933. Cap and mechanism associated with ignition system is operated from dash board, so that ignition is turned off when cap is unlocked and turned on when cap is relocked, by a single control. (Owner) John W. Prosser, 1213 Pennsylvania Avenue, East Liverpool, Ohio. Groups 33—59; 36—41. Reg. No. 330.

Pat. 2,303,136. SOLUBLE OIL. Patented Nov. 24, 1942. A low-cost, stable, homogeneous liquid composition of kerosene and rosin, useful as a cleaning liquid, insecticide, lubricant in metal working, coolant, etc. Miscible with water and hence readily removed from the field of action by the application of water. (Owner) Clement L. Perkins, Marion, Conn. Groups 28—33—93—96; 35—42. Reg. No. 331.

Pat. 1,839,486. MEDICAMENT CARRIER. Patented Jan. 5, 1932. Flexible dental element having a medicament or cleaning agent placed in interstices between fabricated strands and a covering material sealing the medicament therein. When used between teeth sealing material is adapted to be broken or dissolved by saliva. (Owner) Dr. James A. Lawton, 166 Washington Street, Middletown, Conn. Groups 28—31; 39—17. Reg. No. 332.

Pat. 2,312,074. TRAFFIC SIGNAL. Patented Feb. 23, 1943. Electrically operated in conventional manner to give instructions. For example, front of sign may be provided with letters N K and other indicia. Letter O is adapted to slide and cover either N or K, resulting in a sign which would read OK Turn or NO Turn. (Owner) Maceo S. Campbell, 4011 French Road, Detroit, Mich. Groups 36—62; 39—93. Reg. No. 333.

Pat. 2,286,394. ELECTRIC BARBECUE BROILER. Patented June 16, 1942. Wherein a fowl may be secured to a skewer and rotatably adjusted to various angular positions and broiled by direct application of heat from electrical heating elements vertically positioned on opposite sides of broiler. Removable tray closes top of broiler and adapted to support fowl inside or outside broiler. Trays may be adjustable to permit broiling of both sides of meat at same time. (Owner) Isidore Togut, 1368 Sheridan Avenue, Bronx, N. Y. Group 36—21. Reg. No. 334.

Pat. 2,229,536. BED MATTRESS. Patented Jan. 21, 1941. Relatively thin mattress with integral thickened end portions tapering towards the center providing raised head and foot sections across center width. Conventional mattress may be placed thereon. (Owner) Vincent A. Wilkich, 122 Alexander Street, Newark 6, N. J. Groups 22—93; 25—15. Reg. No. 335.

Pat. 2,228,181. CARTON AND BOX OPENER. Patented Jan. 7, 1941. Tongue sealed to carton may be torn along scored lines to form a hinged pouring opening where two edges meet. Carton has means to hold tongue when returned to closed position. May be positioned in top, side, or bottom of carton. (Owner) Joe Perryman, E. Fairgrounds St., Columbia, Ky. Group 26—61. Reg. No. 336.

Pat. 2,146,466. DRESSING FIXTURE FOR GRINDING WHEELS. Patented Feb. 7, 1939. Fixture for dressing periphery of grinding wheel which eliminates extensive mathematical computations and use of templates in moving the tool through different selected curvilinear paths and thus obtains successful operation with unskilled labor. (Owner) Harry A. Dannecker, 227 S. 22d St., New Castle, Ind. Groups 32—91; 35—41—43. Reg. No. 337.

Pat. 2,282,305. AERIAL ADVERTISING APPARATUS. Patented May 12, 1942. For safely supporting display banners and the like, has windlass for weight supporting cable, release cable, and weighted net; in operation apparatus holds net suspended below and between two aeroplanes. Cables may be raised or lowered and are provided with trip means to drop display at will. (Owner) Jacob Bruno, 118 E. 40th St., New York 16, N. Y. Group 39—93. Reg. No. 338.

Pat. 2,210,974. GRAPEFRUIT CUTTER. Patented Aug. 13, 1940. Device in which several cutters are manipulated in such manner that skin and core are removed and fruit is cut into small pieces. Fruit is held in hand. (Owner) Blanche de Prume, 9—11 W. 91st St., New York, N. Y. Group 33—51—73. Reg. No. 339.

Des. Pat. 133,971. DESIGN FOR A DISPLAY UNIT. Patented Oct. 6, 1942. Includes either a single or double V mounted in a flat notched base to slantingly cradle an elongated object all so proportioned and arranged to simulate a cannon or artillery piece including a victory V. Such elongated object may range in size, for instance, from a phonograph needle to a roll of linoleum. (Co-Owner) A. Arnold Brand, 77 W. Washington St., Chicago 2, Ill. Groups 25—41; 39—93. Reg. No. 340.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 18, 1945

[Vol. 578. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 468,560. CORNING GLASS WORKS, Corning, N. Y. Filed Mar. 23, 1944.

PYREX

FOR GLASS WOOL—NAMELY, FIBRES AND FILAMENTS OF GLASS.

Claims use since Jan. 1, 1937.

CLASS 2

RECEPTACLES

Ser. No. 480,127. ALADDIN INDUSTRIES, INCORPORATED, Alexandria, Ind., and Chicago, Ill. Filed Feb. 23, 1945.

Aladdin

SANI-SEAL

No claim is made to the word "Seal" apart from the mark as shown.

FOR VACUUM BOTTLES AND HEAT-INSULATED RECEPTACLES—NAMELY, PORTABLE HEAT-INSULATED FOOD AND BEVERAGE CONTAINERS OF SUBSTANTIALLY BOTTLE OR JUG FORM, INCLUDING AN INNER FRANGIBLE CONTAINER AND AN OUTER PROTECTIVE JACKET HEAT AND/OR SHOCK-INSULATED FROM THE FRANGIBLE CONTAINER.

Claims use since Jan. 1, 1932.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 470,356. A. SCHRETER & SONS, INC., Baltimore, Md. Filed May 17, 1944.

SMOOTHIE

FOR MONEY BELTS, MONEY BAGS AND PURSES OF CLOTH AND LEATHER TO BE WORN ABOUT THE NECK, IDENTIFICATION TAG HOLDERS, WALLETS, BILLFOLDS, PASS HOLDERS, DUFFLE BAGS, FURLOUGH BAGS, CLOTH AND LEATHER CASES FOR HOLDING SHOE DRESSINGS AND BRUSHES, TOILET CASES, AND STATIONERY PORTFOLIOS.

Claims use since Aug. 10, 1942.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 472,972. BRITISH MEDICAL LABORATORIES LIMITED, Bournemouth, England. Filed Aug. 5, 1944.

MEDISPRIN

FOR PHARMACEUTICAL PREPARATIONS FOR THE RELIEF OF NERVE PAINS, HEADACHE, TOOTHACHE, RHEUMATIC AND OTHER PAINS, INFLUENZA, ETC.

Claims use since Nov. 29, 1943.

Ser. No. 475,061. LENNARD, LEE-NARVILL & CO. LIMITED, Yorkshire, England. Filed Oct. 7, 1944.



FOR PERFUMERY, PREPARATIONS FOR TREATMENT OF THE HAIR, INCLUDING SHAMPOO PREPARATIONS, HAIR LOTIONS, HAIR CREAM, PREPARATIONS FOR DRYING THE HAIR, FACE POWDERS, FACE CREAMS, FACE AND SKIN LOTIONS, TALCUM POWDER, DENTIFRICES, LIPSTICK, PERMANENT WAVING SOLUTIONS, NAIL POLISH AND REMOVER.

Claims use since 1938.

Ser. No. 475,584. EDWARD C. PALMER, doing business as Garden Products Company, St. Louis, Mo. Filed Oct. 21, 1944.

Plantgard
FOR GARDEN PROTECTION

GARDEN SPRAY

Applicant disclaims the words "For Garden Protection" and "Garden Spray" except in connection with the mark shown. Applicant is the owner of registration No. 238,375 for the mark "Plantgard."

FOR INSECTICIDE.

Claims use since Apr. 15, 1927.

Ser. No. 477,732. CAMPANA CORPORATION, Batavia, Ill. Filed Dec. 19, 1944.

**FASHION
POINT**

FOR LIPSTICK.

Claims use since Nov. 14, 1944.

Ser. No. 479,393. MEM COMPANY, New York, N. Y., assignor to Mem Company, a co-partnership composed of Paul M. E. Mayer, Renee A. Mayer and Stephen Herbert Mayer. Filed Feb. 3, 1945.

bath diary

Applicant hereby disclaims the word "Bath" apart from the mark as shown.

FOR BATH OIL.

Claims use since June 1938.

Ser. No. 479,884. LE SONIER, INC., Boston, Mass. Filed Feb. 16, 1945.



FOR PERFUMES, TOILET WATERS, SACHET POWDERS, TALCUM POWDERS, DUSTING POWDERS, BATH OILS, BATH CRYSTALS, FACIAL CREAMS, FACE POWDERS, ROUGES, LIPSTICKS, HAIR TONICS, BRILLIANTINE, SHAMPOOS, HAND LOTIONS, HAND CREAMS, AFTER SHAVE LOTIONS, DEODORANT CREAMS, AND DEODORANT POWDERS.

Claims use upon perfumes, talcum powders, and bath crystals, since 1929; upon toilet waters, facial creams, face powders, rouges, lipsticks, hair tonics, brilliantine, shampoos, and hand lotions since 1932; upon sachet powders, and dusting powders, since 1934; upon after shave lotions, since 1938; and upon bath oils, hand creams, deodorant creams, and deodorant powders, since 1940.

Ser. No. 481,818. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich. Filed Apr. 6, 1945.

**No. 91
FLAKE ALKALI**

The words "Flake" and "Alkali" are disclaimed apart from the mark as shown.

FOR CAUSTIC SODA COMPOSITION FOR USE IN INDUSTRIAL BOTTLE WASHING MACHINES.

Claims use since June 12, 1941.

Ser. No. 481,819. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich. Filed Apr. 6, 1945.

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SPECIAL**

The word "Special" is disclaimed apart from the mark as shown.

FOR CAUSTIC SODA COMPOSITION FOR USE IN INDUSTRIAL BOTTLE WASHING MACHINES.

Claims use since Jan. 26, 1940.

Ser. No. 482,108. LAWRENCE LABORATORIES, Brooklyn, N. Y. Filed Apr. 13, 1945.

SULFOAM

FOR SHAMPOO AND COMPOUNDS FOR THE TREATMENT FOR REMOVING DANDRUFF AND RELIEVING ITCHY SCALPS.

Claims use since at least June 13, 1944.

Ser. No. 482,368. PAUL EIBERLE, Baltimore, Md. Filed Apr. 20, 1945.

S. Y. S.

FOR HAIR TONIC.

Claims use since Aug. 23, 1940.

Ser. No. 483,011. GEORGE A. SWEETMAN, Estancia, N. Mex. Filed May 4, 1945.

BITOX

The word "Tox" is hereby disclaimed apart from the mark shown.

FOR PREPARATION FOR USE IN THE TREATMENT OF SNAKE BITES.

Claims use since Sept. 15, 1944.

Ser. No. 483,077. C. A. MOSSO COMPANY, Chicago, Ill. Filed May 7, 1945. Under 10-year proviso.

MOSSO'S

FOR ANTISEPTIC PREPARATION FOR USE AS A WET DRESSING.

Claims use since Dec. 1, 1885.

Ser. No. 483,116. PRINCE MATCHABELLI, INC., New York, N. Y. Filed May 8, 1945.

CROWN HOUSE

Applicant is the owner of Trade-Mark 330,931, registered Dec. 17, 1935.

FOR BATH OIL.

Claims use since Mar. 23, 1945.

Ser. No. 483,466. CLENOLOR PRODUCTS COMPANY, New York, N. Y. Filed May 17, 1945.

Clenolor

FOR CREAM DEODORANT, LIQUID DEODORANT, POWDER DEODORANT, DEODORANT STICK.

Claims use since Jan. 31, 1945.

Ser. No. 483,689. LENTHERIC, INCORPORATED, New York, N. Y. Filed May 23, 1945.



The horizontal and vertical lines in applicant's mark are intended to represent a letter designation. More specifically, they constitute two back to back (oppositely facing) nests of L's.

FOR PERFUMES AND PERFUME PREPARATIONS; TOILET WATERS; FACE, BATH, TALCUM, SACHET AND AFTER-SHAVE POWDERS; SHAMPOO PREPARATIONS; ROUGES; LIPSTICKS; LIP POMADE; COSMETIC CREAMS; FACIAL, SUN-TAN, AND AFTER-SHAVE LOTIONS; COMPLEXION MILK; MAKE-UP BASE; LEG MAKE-UP; BATH AND SUN-TAN OILS; BATH AND BUBBLE-BATH SALTS; SACHETS; DEODORANTS; MASCARA; BRILLIANTINES; SCALP STIMULANT; AND HAIR DRESSING.

Claims use since July 8, 1929.

Ser. No. 483,768. ENDO PRODUCTS, INC., New York, N. Y. Filed May 25, 1945.

RIBOSOL

FOR SOLUBLE RIBOFLAVIN DERIVATIVE USED IN VITAMIN DEFICIENCIES.

Claims use since Apr. 15, 1945.

Ser. No. 483,906. LEDERLE LABORATORIES, INC., New York, N. Y. Filed May 29, 1945.

TARGOT

FOR TYROTHRICIN PREPARATION FOR USE IN THE TREATMENT OF MASTITIS IN CATTLE.

Claims use since Jan. 12, 1945.

Ser. No. 483,968. GARAY TOILETRIES, INC., New York, N. Y. Filed May 30, 1945.

Homestretch

FOR COLOGNE, DEODORANT, AND AFTER SHAVE LOTION.

Claims use since May 7, 1945.

Ser. No. 484,004. ABBOTT LABORATORIES, North Chicago, Ill. Filed May 31, 1945.

ABBOMYCIN

FOR CHEMOTHERAPEUTIC AGENTS OF BACTERICIDAL OR BACTERIOSTATIC ACTIVITY, MORE SPECIFICALLY ANTIBIOTICS OBTAINED FROM ORGANISMS OR BY SYNTHESIS.

Claims use since May 9, 1945.

Ser. No. 484,054. LEO MANN, Boston, Mass. Filed June 1, 1945.



FOR COMPOSITION CONSISTING OF CONCENTRATED ESSENTIAL OILS, CHEMICALS, AND SOLVENTS FOR DILUTION WITH ISOPROPYL ALCOHOL TO BE USED AS AN AIR PURIFIER IN THE FORM OF A SPRAY.

Claims use since April 1941.

Ser. No. 484,168. ETABLISSEMENTS RIGAUD, INC., New York, N. Y. Filed June 5, 1945.

RUSE

FOR PERFUMES AND TOILET WATERS.

Claims use since May 28, 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 482,911. CHARLES E. WUERPEL, New Rochelle, N. Y. Filed May 2, 1945.

VINCALAL

FOR POWDERED ADMIXTURE FOR CONCRETE CONSISTING OF CALCIUM CHLORIDE AND OTHER INGREDIENTS FOR IMPROVING THE STRENGTH, PLASTICITY, AND DURABILITY OF THE CONCRETE. Claims use since Nov. 21, 1944.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

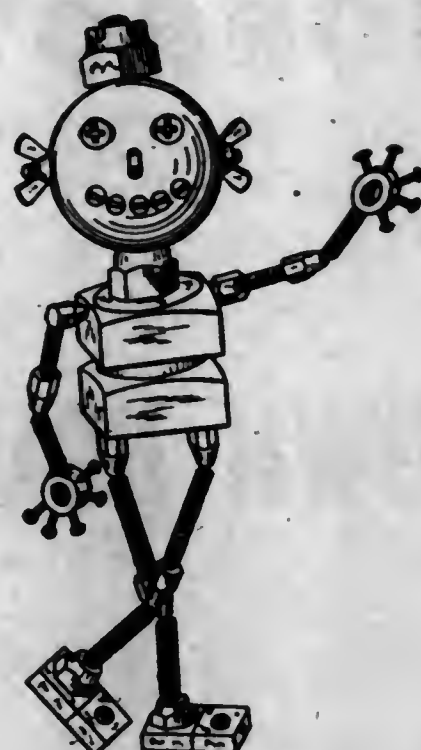
Ser. No. 470,178. FISHER GOVERNOR COMPANY, Marshalltown, Iowa. Filed May 12, 1944. Under section 5b of the act of 1905 as amended in 1920.

FISHER

FOR CONSTANT PRESSURE PUMP GOVERNORS; EXCESS OR DIFFERENTIAL PUMP GOVERNORS; BOILER GAS FUEL GOVERNORS; PRESSURE REDUCING VALVES; DIAPHRAGM CONTROL VALVES; FLOAT VALVES; PRESSURE RELIEF VALVES; BACK PRESSURE VALVES; ALTITUDE VALVES; PRESSURE PILOT VALVES; LEVER VALVES; ATMOSPHERIC RELIEF VALVES; VACUUM REGULATORS; GAS REGULATORS; TIME TEMPERATURE GAS PRESSURE BOOSTER REGULATORS; PRESSURE BALANCED REGULATORS; PRESSURE REGULATORS; SAFETY SHUT-OFF REGULATORS; DIFFERENTIAL GAS PRESSURE BOOSTER REGULATORS; FLOAT UNITS, INCLUDING A HOLLOW FLOAT, A FLOAT ARM, A SHAFT, USUALLY A STUFFING BOX, AND SOME TIMES OTHER PARTS FOR INSTALLATION IN LIQUID LEVEL CONTROLLERS OR FOR CONTROLLING VALVES, SIGNAL SWITCHES AND OTHER DEVICES BY CHANGE IN LIQUID LEVEL; STEAM TRAPS; GASOLINE AND OIL TRAPS; AIR TRAPS; STEAM AND OIL SEPARATORS; PIPE LINE STRAINERS; CONTINUOUS DRAINERS; LIQUID LEVEL CONTROLLERS; EXHAUST HEADS AND AIR LINE FILTERS AND AIR AND GAS FILTERS FOR OTHER THAN ENGINE FUEL CONTROL AND AIR CONDITIONING; AND LIQUEFIED PETROLEUM GAS REGULATORS FOR CONTROL OF SUPPLY FROM DRUMS AND TANKS TO SERVICE POINTS; AND ACCESSORY EQUIPMENT.

Claims use on constant pressure pump governors since 1890; on excess or differential pump governors and pressure relief valves and back pressure valves since 1900; on pressure reducing valves, float valves, lever valves, atmospheric relief valves, pressure regulators, steam traps, gasoline and oil traps, steam and oil separators, pipe line strainers, liquid level controllers, and exhaust heads since 1910; on continuous drainers since 1915; on vacuum regulators, float units since 1920; on boiler gas fuel governors, pressure pilot valves, gas regulators since 1925; on liquefied petroleum gas regulators for control of supply from drums and tanks to service points since 1927; on altitude valves, pressure-balanced regulators, test gauges, air line filters, air and gas filters since 1930; and time and temperature gas pressure booster regulators since 1932; and on safety shut-off regulators, differential gas pressure booster regulators since 1935.

Ser. No. 476,815. THE NATIONAL SCREW & MANUFACTURING COMPANY, Cleveland, Ohio. Filed Nov. 23, 1944.



The representations of the various articles of manufacture which form the figure constituting applicant's trademark are disclaimed apart from said figure.

FOR BOLTS, NUTS, RIVETS, SCREWS, TACKS, COTTER PINS, FLAT SPRING KEYS USED IN SLOTTED BOLTS, NAILS, SCREW MACHINE PRODUCTS SPECIFICALLY METAL BUSHINGS, METAL SLEEVES, SPECIAL THREADED BOLTS, SPECIAL NUTS, AND METAL INSERTS FOR PLASTICS, STUDS, PIPE PLUGS, AND RODS CONSISTING OF THREADED FASTENERS WHICH ARE NORMALLY THREADED AT BOTH ENDS SUCH AS BRIDGE RODS, TRUSS RODS AND TIE RODS AND ALSO RODS WHICH ARE HEADED AT ONE END SUCH AS STOVE RODS, LADDER RODS, AND SEAT AND CHAIR RODS.

Claims use since Apr. 7, 1939.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 475,557. THE DIVERSEY CORPORATION, Chicago, Ill. Filed Oct. 21, 1944.

PLYOGYM

FOR PRODUCT IN LIQUID FORM IN THE NATURE OF VARNISH OR SHELLAC, FOR DRESSING AND SEALING WOODEN FLOORS.

Claims use since Oct. 9, 1944.

Ser. No. 481,121. NUODEX PRODUCTS CO. INC., Elizabeth, N. J. Filed Mar. 20, 1945.

NUOMIX

FOR WETTING AND DISPERSING AGENTS TO FACILITATE THE INCORPORATION OF PIGMENTS INTO SUCH VEHICLES AS PAINTS, ENAMELS, LACQUERS, AND THE LIKE.

Claims use since December 1944.

Ser. No. 483,756. ALFRED AUFHAUSER, doing business as Industrial Raw Materials Company, New York, N. Y. Filed May 25, 1945.

PARALATRUM

FOR WAX COMPOSITION USED FOR POLISHING FLOORS, FURNITURE, AND THE LIKE. Claims use since May 10, 1945.

Ser. No. 483,778. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed May 25, 1945.



SCOTCH BOY

FOR POLISH FOR VARNISHED, PAINTED, LACQUERED, AND ENAMELED SURFACES. Claims use since Mar. 14, 1945.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 483,256. CANNON & WALLER, INCORPORATED, Toledo, Ohio. Filed May 12, 1945.

DIRECTORS Special

No claim is made to the word "Special" when used in a descriptive sense.

FOR SMOKING TOBACCO AND CIGARETTES. Claims use since Mar. 16, 1942.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 482,186. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa., and Baltimore, Md., now by change of name Westinghouse Electric Corporation, a corporation of Pennsylvania. Filed Apr. 14, 1945.

Micronex

FOR X-RAY APPARATUS FOR THE MAKING OF X-RAY EXPOSURES. Claims use since Feb. 16, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 472,647. MAXIMILIAN C. MEYER, Brooklyn, N. Y. Filed July 26, 1944.

MAJOR

FOR BASEBALL GAME PLAYED WITH CARDS. Claims use since July 15, 1944.

Ser. No. 480,364. BANNER PLASTICS CO., New York, N. Y. Filed Feb. 15, 1945.



The words "Trade-Mark Reg." and "Plastics Co." are hereby disclaimed apart from the trade-mark as shown. FOR TOY BOATS, TOY AUTOMOBILES, CHILDREN'S TOY TEA SETS, AND TOY TABLEWARE. Claims use since Nov. 1, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 469,506. NIAGARA FILTER CORPORATION, Buffalo, N. Y. Filed Apr. 20, 1944.



FOR GRAVITY-OPERATED AND POWERED ELEVATING CONVEYORS, SUCH AS ARE USED IN DAIRIES, BOTTLING PLANTS, FREIGHT DEPOTS, MANUFACTURING PLANTS, WAREHOUSES, ETC., FOR CONVEYING CRATES, BOXES, CASES, CARTONS, CONTAINERS, ETC., IN CONNECTION WITH TRANSPORTATION AND STORAGE OPERATIONS. Claims use since Sept. 1, 1939.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 483,351. PAUL C. SINK, also doing business as Paul C. Sink Co., Los Angeles, Calif. Filed May 14, 1945.

STEAM-A-DOR

The word "Steam" is disclaimed by the applicant apart from the mark.

FOR LAUNDRY AND DRY-CLEANING MACHINERY.
Claims use since Dec. 1, 1944.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 481,597. RICHARD HENRY WILSON, Maplewood, N. J. Filed Mar. 31, 1945.

WILSON INVENTROLERS

The term "Wilson" is disclaimed apart from the mark as shown as it is the surname of the applicant.

FOR MULTIPLE DISC MANIPULABLE CALCULATORS FOR DETERMINING THE QUALITY TO ORDER AND THE LEVEL OF STOCK AT WHICH ADDITIONAL ORDERS SHOULD BE PLACED WHEN ORDERING GOODS FOR STOCKROOMS.

Claims use since February 1945.

Ser. No. 483,258. GEORGE M. CARSON, doing business as Apex Specialty Company, Providence, R. I. Filed May 12, 1945.

FLIGHT LEADER

The lining in the drawing indicates shading.
FOR OPTICAL GOODS—NAMESLY, EYEGLASSES, SUN GLASSES, PARTS AND ACCESSORIES THEREFOR.

Claims use since Dec. 1, 1944.

Ser. No. 484,518. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y. Filed June 14, 1945.

RAY-BAN

Applicant is the owner of Reg. No. 361,875.
FOR OPHTHALMIC LENSES.
Claims use since April 1938.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 483,298. ALFRED WYLER, New York, N. Y. Filed May 12, 1945.



Applicant disclaims the word "Water" apart from the mark as shown.

FOR WATCHES, CASED AND UNCASED.
Claims use since May 7, 1945.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 480,567. EISENBERG JEWELRY, INC., Chicago, Ill. Filed Mar. 7, 1945.

EISENBERG
ICE

The name "Eisenberg" is disclaimed for the purpose of this registration, apart from the mark as shown.

FOR CLIPS, PINS, RINGS, BRACELETS, AND EARRINGS.

Claims use since Feb. 1, 1942.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 473,254. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Filed Aug. 14, 1944. Under section 5b of the act of 1905 as amended in 1920 as to the name "Kroger's."



No claim is made to the words "Guaranteed Brand" apart from the mark as shown.

FOR TOOTH BRUSHES.
Claims use since Feb. 15, 1944.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 480,618. OAKES & Co., also doing business as Tru-Test, Chicago, Ill. Filed Mar. 7, 1945.



FOR PNEUMATIC RUBBER AND RUBBER AND FABRIC TIRES AND INNER TUBES FOR AUTOMOBILES AND TRACTORS, PNEUMATIC RUBBER BICYCLE TIRES AND INNER TUBES, AUTOMOBILE FAN AND GENERATOR BELTS, AUTOMOTIVE AND FRACTIONAL HORSEPOWER V-BELTS, JAR RINGS, GARDEN HOSE, RADIATOR HOSE, AIR HOSE, GASKETS, FULLER FAUCET BALLS, PNEUMATIC TIRE PATCHES AND PNEUMATIC TIRE REPAIR KITS, PUMP LEATHERS AND PACKING, TIRE RELINERS, RUBBER TUBING FOR HOUSEHOLD PURPOSES, BRAKE LINING, CLUTCH FACING AND PISTON RINGS.

Claims use since Sept. 15, 1944.

CLASS 37

PAPER AND STATIONERY

Ser. No. 483,414. AGENCY PAPER COMPANY, New York, N. Y. Filed May 16, 1945.



Applicant is the owner of Regs. Nos. 392,830 and 401,700.

FOR PAPER DESK CALENDARS AND PAPER DESK CALENDAR PADS.

Claims use since Feb. 8, 1945.

Ser. No. 483,885. CHEERFULETTERS STATIONERY CO., Minneapolis, Minn. Filed May 28, 1945.



FOR STATIONERY, SPECIFICALLY, BOXED WRITING PAPER AND ENVELOPES.
Claims use since Apr. 14, 1945.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 480,453. WILLIAM IRVING HAMILTON, INC., New York, N. Y. Filed Mar. 3, 1945.

MEMODEX

FOR A COMBINED HANDY INFORMATION AND MEMORANDUM, PRINTED AND DISTRIBUTED AT IRREGULAR INTERVALS.

Claims use since Jan. 1, 1945.

Ser. No. 483,916. PACIFIC COAST MARINE FIREMEN, OILERS, WATERIENDERS & WIPERS' ASSOCIATION, San Francisco, Calif. Filed May 29, 1945.

WILLIE, THE WILLING WIPER

FOR COMIC STRIPS.

Claims use since Feb. 16, 1945.

Ser. No. 483,998. UNITED STATES WAR DEPARTMENT, Washington, D. C. Filed May 30, 1945.

SAD SACK

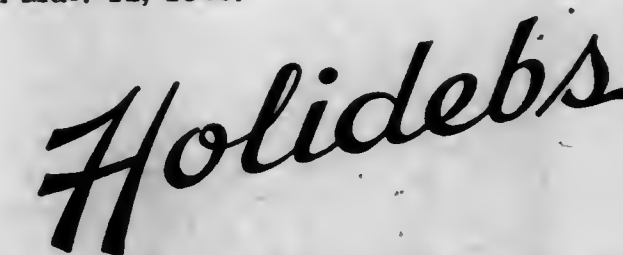
FOR COMIC STRIP.

Claims use since June 17, 1942.

CLASS 39

CLOTHING

Ser. No. 480,823. HOLIDAY CASUALS, New York, N. Y. Filed Mar. 12, 1945.



FOR SLIPPERS MADE OF LEATHER, FABRIC, OR RUBBER, OR OF COMBINATIONS OF SAID MATERIALS.

Claims use since Jan. 10, 1945.

Ser. No. 481,184. JANTZEN KNITTING MILLS, Portland, Oreg. Filed Mar. 22, 1945.



The word "Jantzen" appearing on the drawing is a facsimile of the surname of the autographed signature of Carl C. Jantzen, formerly secretary of the applicant corporation.

FOR SWIMMING SUITS, SWIMMING TRUNKS, SWIMMING CAPS, SPORT SHIRTS AND SHORTS; SUN CLOTHING—NAMESLY, SHORTS BRASSIÈRES, HALTERS, PLAY SUITS, SUN SUITS, AND T SHIRTS; AND WINTER SPORTS CLOTHING—NAMESLY, SKI TROUSERS, SKI JACKETS, SKI CAPS, SKI MITTENS, SKI SHIRTS, SPORTS SWEATERS, SPORTS JACKETS, WATER REPELLENT JACKETS, COATS AND TROUSERS; AND FOUNDATION GARMENTS, GIRDLES, AND BRASSIÈRES.

Claims use to swimming suits, swimming caps, sport shirts and winter sports clothing since January, 1915; to swimming trunks and sport shorts since June, 1934; and to sun clothing, foundation garments, girdles and brassieres since June, 1939.

Ser. No. 481,604. AVON SOLE COMPANY, Avon, Mass. Filed Apr. 2, 1945.

Avonite

FOR SHOE SOLES.
Claims use since Oct. 28, 1944.

Ser. No. 482,136. LILLY DACHE, INC., New York, N. Y. Filed Apr. 14, 1945.

DACHEPRON

FOR LADIES' HATS.
Claims use since Jan. 1, 1945.

Ser. No. 482,412. CAPSON HAT COMPANY, INC., New York, N. Y., and Fall River, Mass. Filed Apr. 21, 1945.



BELAMEY

Exclusive use of the picture of the beaver is not claimed apart from the rest of the mark.
FOR MEN'S HATS.
Claims use since Mar. 16, 1945.

Ser. No. 482,492. JANTZEN KNITTING MILLS, Portland, Oreg. Filed Apr. 23, 1945.

SLOPE-MASTER

FOR WINTER SPORTS CLOTHING—NAMELY, SKI TROUSERS, SKI JACKETS, SKI CAPS, SKI MITTENS, SKI SHIRTS, SPORT SHIRTS, WATER REPELLENT JACKETS, COATS, AND TROUSERS.
Claims use since Apr. 7, 1945.

Ser. No. 483,307. DOVINGTON, INC., Brookline, Mass. Filed May 14, 1945.

STORM-PAX

The word "Storm" is disclaimed apart from the mark shown.

FOR LEATHER JACKETS, SNOW SUITS, FLEECE AND ALPACA-LINED JACKETS AND COATS, SHEEP LINED COATS, JACKETS, AND MACKINAWS.
Claims use since Jan. 9, 1945.

Ser. No. 483,311. FISCH & COMPANY, Los Angeles, Calif. Filed May 14, 1945.

BROWSER

FOR MEN'S SPORT SHIRTS.
Claims use since Mar. 14, 1945.

Ser. No. 483,610. DOWALIBY, INC., New York, N. Y. Filed May 21, 1945.

Dualyne
DETAILED BY HAND

The wording "Detailed by Hand" is disclaimed apart from the mark as shown.

FOR WOMEN'S NEGLIGEEES, PAJAMAS, AND UNDERWEAR.

Claims use since Sept. 1, 1943.

Ser. No. 484,401. W. S. MAAS INC., New York, N. Y. Filed June 13, 1945.

Never Before

FOR BRASSIERES.
Claims use since June 1, 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 482,599. TRAUB, LYONS, OPPENHEIM, INC., New York, N. Y. Filed Apr. 25, 1945.

CREAM-OLET

Applicant disclaims the right to exclusive use of the word "Cream" except as part of the complete mark.

FOR PIECE GOODS OF RAYON, COTTON, AND RAYON AND COTTON MIXTURES.
Claims use since Apr. 5, 1945.

Ser. No. 482,990. ARTHUR S. HEIMAN, INC., New York, N. Y. Filed May 4, 1945.

GOGAY

FOR RAYON PIECE GOODS.
Claims use since January 1945.

Ser. No. 482,991. ARTHUR S. HEIMAN, INC., New York, N. Y. Filed May 4, 1945.

RICKY SPUN

FOR RAYON PIECE GOODS.
Claims use since January 1945.

Ser. No. 484,276. ROTH FABRICS CORPORATION, New York, N. Y. Filed June 7, 1945.



The word "Suede" is disclaimed apart from the mark as shown.

FOR RAYON FABRICS IN THE PIECE.
Claims use since 1938.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 476,817. ELISHA W. PAXTON, doing business as Vakaid, St. Louis, Mo. Filed Nov. 23, 1944.

VAKAID

FOR INSTRUMENT FOR THE TREATMENT OF SINUS TROUBLE, ACTUATED BY THE USER'S EFFORTS TO INHALE THROUGH IT BY NOSE OR MOUTH.

Claims use since Oct. 11, 1944.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 480,474. SEEMAN BROTHERS, INC., New York, N. Y. Filed Mar. 3, 1945.

White Rose

FOR FRUIT JUICES USED FOR BEVERAGE PURPOSES—NAMELY, GRAPE JUICE, CRANBERRY JUICE COCKTAIL PREPARED WITH STILL OR CARBONATED WATER, CRANBERRY JUICE WITH SUGAR ADDED, LEMON JUICE, APRICOT JUICE WITH WATER AND SUGAR ADDED, GRAPEFRUIT JUICE, ORANGE AND GRAPEFRUIT JUICE, LOGANBERRY JUICE, ORANGE JUICE, PRUNE JUICE WITH WATER ADDED, AND PINEAPPLE JUICE.

Claims use since January 1914.

Ser. No. 482,465. JOHN A. CALLEGARI, doing business as Callegari Products Co., Chicago, Ill. Filed Apr. 23, 1945.

Luna

FOR ORANGE, TAMARIND, STRAWBERRY, RASPBERRY, CHERRY, AND OTHER FLAVORED SYRUPS FOR SOFT DRINKS.

Claims use since January 1921.

Ser. No. 483,912. NEDICK'S STORES, INC., New York, N. Y. Filed May 29, 1945.



FOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS, AND CONCENTRATES AND SYRUPS FOR THE MANUFACTURE THEREOF.

Claims use since May 10, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 463,091. CONFECTIONS, INC., Chicago, Ill. Filed Aug. 30, 1943.

Honey Child

No claim is made to the word "Honey" apart from the mark as shown.

FOR CARAMEL COATED PUFFED WHEAT SOLD AS A CONFECTION.

Claims use since July 17, 1943.

Ser. No. 467,785. KRAMBO FOOD STORES, INCORPORATED, Oshkosh, Wis. Filed Feb. 26, 1944.



The trade-mark consists of the words "Saving Sambo" and the fanciful representation of a colored boy used in combination.

FOR COFFEE.

Claims use since Dec. 14, 1943.

Ser. No. 468,821. MILLICENT K. SOLOMON, doing business as Mrs. Boardman's Food Products, Boston, Mass. Filed Mar. 29, 1944.

MRS. BOARDMAN'S

VITAMINAISE

No registration rights are claimed for the name "Mrs. Boardman's" apart from the mark.

FOR SALAD DRESSING.

Claims use since October 1942.

Ser. No. 471,263. JOE T. LEAVELL, doing business as Leavell's Pure Juice Co., Pico, Calif. Filed June 15, 1944.



The words "Fresh Frozen," "Brand" and "Pure Juices" are disclaimed apart from the mark as shown.

FOR FROZEN CITRUS JUICES.

Claims use since Mar. 25, 1944.

Ser. No. 477,114. NORTH AMERICAN FOODS INCORPORATED, Boston, Mass. Filed Dec. 1, 1944.

SAVE-ON

FOR FROZEN FOODS—NAMESLY, VEGETABLES, FRUITS, CRAB MEAT, FISH, POULTRY, AND ICE CREAM; FROZEN COOKED FOODS—NAMESLY, BAKED BEANS, CHOP SUEY, CHOW MEIN, COD FISH CAKES, CORN BEEF HASH, CRAB MEAT, CREAMED SALMON, CREAMED TUNA, AND SHRIMP.

Claims use since Oct. 16, 1944.

Ser. No. 481,118. NAT NEWMAN, INC., Atlantic City, N. J. Filed Mar. 20, 1945.

Fantasies

FOR CANDY.

Claims use since July 1, 1944.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 483,987. ADAM SCHEIDT BREWING COMPANY, Norristown, Pa. Filed May 30, 1945. Under 10-year proviso.

Scheidt's

FOR BEER.

Claims use since 1870.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 477,055. BIRD & SON, INC., East Walpole, Mass. Filed Nov. 30, 1944.

MYSTIC

FOR WATER-ABSORBING FIBRE MATS FOR SUPPORTING AND MOISTENING POTTED PLANTS.

Claims use since Sept. 29, 1944.

Ser. No. 484,226. WILLIAM EARL AUMANN, St. Louis, Mo. Filed June 7, 1945.



The drawing is lined to indicate shading.
FOR CANDY.

Claims use since Apr. 28, 1945.

Ser. No. 484,787. H. W. KINNEY AND SONS, INC., Columbus, Ind. Filed June 20, 1945.

CARTOSE

Applicant is the owner of Reg. No. 305,503.
FOR CARBOHYDRATE SYRUP FOR INFANT FEEDING.

Claims use since Feb. 21, 1933.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

SEPTEMBER 18, 1945

416,469. MECHANICALLY GROUND CALCIUM CARBONATE SUBSTANTIALLY FREE FROM PARTICLES LARGER THAN FIFTEEN MICRONS IN DIAMETER AND USED AS A FILLER FOR RUBBER, PAPER, PAINT, ETC. THOMPSON-WEINMAN & Co. Inc., Cartersville, Ga.
Filed December 11, 1939. Serial No. 426,466. PUBLISHED JULY 3, 1945. Class 1.

416,470. POTATOES. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio.
Filed April 2, 1942. Serial No. 452,103. PUBLISHED MAY 4, 1945. Class 46.

416,471. HOSIERY. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J.
Filed May 28, 1943. Serial No. 460,994. PUBLISHED JULY 10, 1945. Class 39.

416,472. LEATHER WALLETS AND PURSES. MORRIS LADENBURGER, doing business as Mola Novelty Company, New York, N. Y.
Filed December 21, 1943. Serial No. 465,951. PUBLISHED JULY 10, 1945. Class 3.

416,473. HYDRAULIC CONTROL VALVES. ADEL PRECISION PRODUCTS CORP., Burbank, Calif.
Filed January 1, 1944. Serial No. 466,247. PUBLISHED JULY 10, 1945. Class 13.

416,474. BRICK AND TILE OF CERAMIC AND LIKE MATERIAL. ACME BRICK COMPANY, Fort Worth, Tex.
Filed March 8, 1944. Serial No. 468,058. PUBLISHED JULY 10, 1945. Class 12.

416,475. COMPACTS, CIGARETTE CASES AND LIGHTERS, WATCH BANDS, BELT BUCKLES, AND STRAP WATCH BUCKLES, MADE IN WHOLE OR IN PART FROM PRECIOUS AND SEMI-PRECIOUS METALS. THE WADSWORTH WATCH CASE COMPANY, Dayton, Ky.
Filed May 16, 1944. Serial No. 470,322. PUBLISHED JULY 10, 1945. Class 28.

416,476. DIESEL ENGINES AND PARTS THEREOF. GUBERSON DIESEL ENGINE COMPANY, Dallas, Tex.
Filed May 17, 1944. Serial No. 470,336. PUBLISHED NOVEMBER 7, 1944. Class 23.

416,477. SLACKS FOR WOMEN. KING OF SLACKS, INC., New York, N. Y.
Filed June 8, 1944. Serial No. 471,035. PUBLISHED JULY 3, 1945. Class 39.

416,478. MINERAL SURFACED ASPHALT SHINGLES. GLOBE ROOFING PRODUCTS CO., INC., Whiting, Ind.
Filed June 9, 1944. Serial No. 471,075. PUBLISHED MAY 8, 1945. Class 12.

416,479. TYMPAN AND WATER PROOF, GREASE-PROOF, MOISTURE-PROOF AND VAPOR-PROOF WRAPPING PAPER. THE CROMWELL PAPER COMPANY, Chicago, Ill.
Filed August 4, 1944. Serial No. 472,943. PUBLISHED JULY 3, 1945. Class 37.

416,480. WRITING PAPER. BRIGHTWATER PAPER COMPANY, Dover, Del., and Adams, Mass.
Filed October 2, 1944. Serial No. 474,776. PUBLISHED JUNE 26, 1945. Class 37.

416,481. BRACELETS, BROOCHES, EARRINGS, PINS, RINGS AND MEDALS MADE WITH ALL SILVER AND GOLD, OR PARTLY WITH AND FROM SILVER AND GOLD. JEWELRY BY WALLACE, Forest Hills, N. Y.
Filed October 11, 1944. Serial No. 475,208. PUBLISHED JULY 10, 1945. Class 28.

416,482. LIPSTICK PAPER TISSUES. MARY MUFFET, Inc., St. Louis, Mo.
Filed October 18, 1944. Serial No. 475,448. PUBLISHED JULY 10, 1945. Class 37.

416,483. LADIES', MISSES' AND GIRLS' DRESSES, SLIPS, PLAYSUITS, BLOUSES, AND APRONS. THE MEADTEX FABRICS CO., New York, N. Y.
Filed October 20, 1944. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 475,541. PUBLISHED JULY 10, 1945. Class 39.

416,484. WATCHES AND PARTS THEREOF. EDMOND MATHEZ, Tramelan, Canton of Berne, Switzerland.
Filed October 26, 1944. Serial No. 475,698. PUBLISHED JULY 3, 1945. Class 27.

416,485. LATEX FOAM IN THE FORM OF SHEETS AND UNFINISHED MOLDED SHAPES. HEWITT RUBBER CORPORATION, Buffalo, N. Y.
Filed November 3, 1944. Serial No. 476,058. PUBLISHED JULY 10, 1945. Class 1.

416,486. LATEX FOAM IN THE FORM OF SHEETS AND UNFINISHED MOLDED SHAPES. HEWITT RUBBER CORPORATION, Buffalo, N. Y.
Filed November 3, 1944. Serial No. 476,059. PUBLISHED JULY 10, 1945. Class 1.

416,487. SAFETY PAPER. THE STECK COMPANY, Austin, Tex.
Filed November 13, 1944. Serial No. 476,408. PUBLISHED JULY 10, 1945. Class 37.

416,488. WRITING PAPER, TABLETS, ENVELOPES, MIMEOGRAPH PAPER, WHITE AND YELLOW TYPEWRITER PAPER, INDEX CARDS, FILE FOLDERS, AND BLOTTING PAPER. PRUDENTIAL PAPER PRODUCTS COMPANY, New York, N. Y.
Filed December 7, 1944. Serial No. 477,306. PUBLISHED JUNE 26, 1945. Class 37.

416,489. TOY DOLL CRADLES. ARTHUR RICHARD STEDT, doing business as Stedt Little Folk Toy Co., Minneapolis, Minn.
Filed January 13, 1945. Serial No. 478,599. PUBLISHED JULY 10, 1945. Class 22.

416,490. BRACELETS NOT INCLUDING WATCHES. LEO ELWYN & CO., INC., New York, N. Y.
Filed January 22, 1945. Serial No. 478,861. PUBLISHED JUNE 26, 1945. Class 28.

416,491. VALVE PULLERS FOR USE IN SERVICING INTERNAL COMBUSTION ENGINES. HAROLD L. OSEROWSKY, doing business as Easy Way Manufacturing Co., Bay City, Mich.
Filed January 24, 1945. Serial No. 478,972. PUBLISHED JULY 10, 1945. Class 23.

416,492. PINS, BROOCHES, CLASPS, AND CLIPS. LEGION OF THE HALF-A-HEART, Los Angeles, Calif.
Filed February 7, 1945. Serial No. 479,521. PUBLISHED JULY 3, 1945. Class 28.

SEPTEMBER 18, 1945

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416,493. REMEMBRANCE BOOK COMPRISING BLANK SPACES TO BE FILLED IN. B. T. BABBITT, INC., Albany and New York, N. Y.
Filed February 9, 1945. Serial No. 479,610. PUBLISHED JULY 3, 1945. Class 37.

416,494. FRESH VEGETABLES. JAMES J. FLOOD, Phoenix, Ariz.
Filed February 10, 1945. Serial No. 479,671. PUBLISHED JULY 10, 1945. Class 46.

416,495. WAXED PAPER BREAD WRAPPERS, PAPER NAPKINS, AND PLAIN WAXED PAPER. MARATHON CORPORATION, Rothschild, Wis.
Filed February 10, 1945. Serial No. 479,687. PUBLISHED JUNE 26, 1945. Class 37.

416,496. WOVEN OR UNWOVEN, PARTIALLY OR COMPLETELY TREATED FABRICS FOR WRAPPING ELECTRICAL CONDUCTORS TO INSULATE THE SAME. PACIFIC MILLS, New York, N. Y.
Filed February 12, 1945. Serial No. 479,721. PUBLISHED JULY 10, 1945. Class 21.

416,497. SHIP DEBARKATION AND EMBARKATION EQUIPMENT—NAMES, LADDERS, GANGWAYS AND LIFESAVERS. HAROLD FRITZNER, doing business as Viking Marine Co., Seattle, Wash.
Filed February 12, 1945. Serial No. 479,741. PUBLISHED JULY 10, 1945. Class 50.

416,498. JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES. THE ELLMORE SILVER CO., Inc., Meriden, Conn.
Filed February 15, 1945. Serial No. 479,842. PUBLISHED JUNE 26, 1945. Class 28.

416,499. HOG FEED. HONEGGER & CO., also doing business as Honegger Feed Mills, Forrest, Ill.
Filed February 19, 1945. Serial No. 479,979. PUBLISHED JULY 10, 1945. Class 46.

416,500. WATCHES. KINGSTON WATCH COMPANY, New York, N. Y.
Filed February 22, 1945. Serial No. 480,112. PUBLISHED JUNE 26, 1945. Class 27.

416,501. AIR MAIL LETTER PAPER AND ENVELOPES. FRANKLYN-MILROSS, Inc., New York, N. Y.
Filed February 24, 1945. Serial No. 480,175. PUBLISHED JULY 10, 1945. Class 37.

416,502. PHOTOGRAPH ALBUMS. NORMAN D. MITCHELL, doing business as Wire-O-Binding Company of Chicago, Chicago, Ill.
Filed February 27, 1945. Serial No. 480,295. PUBLISHED JULY 3, 1945. Class 37.

416,503. WATCHES. WELTA WATCH CO., LTD., Bienne, Switzerland.
Filed February 28, 1945. Serial No. 480,361. PUBLISHED JULY 3, 1945. Class 27.

416,504. WALLPAPER, BORDERS AND DECORATIVE PAPER COVERINGS TO BE USED UPON WALLS AND OTHER SURFACES AND SOLD IN ROLL OR SHEET FORM. UNITED WALLPAPER, INC., Chicago, Ill.
Filed March 1, 1945. Serial No. 480,391. PUBLISHED JULY 3, 1945. Class 37.

416,505. LETTER PAPER AND ENVELOPES. FRANKLYN-MILROSS, Inc., New York, N. Y.
Filed March 3, 1945. Serial No. 480,445. PUBLISHED JUNE 26, 1945. Class 37.

416,506. JEWELRY FOR PERSONAL WEAR AND METAL ARTICLES OF ADORNMENT, NOT INCLUDING WATCHES—NAMES, RINGS, CLIPS, NECKLACES, PINS, EARRINGS, BANDS, BRACELETS, MOUNTINGS, AND PRECIOUS AND SEMI-PRECIOUS AND IMITATION STONES. MARCUS & CO. INC., New York, N. Y.
Filed March 3, 1945. Serial No. 480,464. PUBLISHED JULY 10, 1945. Class 28.

416,507. DRY SHAVERS. THE ROTO-SHAVER INCORPORATED, Stamford, Conn., and New York, N. Y.
Filed March 3, 1945. Serial No. 480,473. PUBLISHED JULY 10, 1945. Class 23.

416,508. HOSIERY. GOTHAM HOSIERY COMPANY, INC., New York, N. Y.
Filed March 7, 1945. Serial No. 480,572. PUBLISHED JULY 10, 1945. Class 39.

416,509. ROCK WOOL INSULATION, ASPHALT AND COMPOSITION ROOFING, BUILDING PAPER, ROOFING CEMENT, WEATHER STRIPPING, COMPOSITION WALLBOARD AND INSULATING BOARD, AND CAULKING COMPOUND. OAKES & CO., also doing business as Tru-Test, Chicago, Ill.
Filed March 7, 1945. Serial No. 480,608. PUBLISHED JUNE 19, 1945. Class 12.

416,510. FOOTBALLS, TENNIS BALLS, BASEBALLS, BASKETBALLS, GOLF BALLS, BASEBALL GLOVES AND BATS; CATCHERS' MASKS, LEG GUARDS, AND CHEST PROTECTORS, ETC. OAKES & CO., also doing business as Tru-Test, Chicago, Ill.
Filed March 7, 1945. Serial No. 480,615. PUBLISHED JUNE 19, 1945. Class 22.

416,511. SLIPS FOR WOMEN, MISSES, AND GIRLS. LOWELL LINGERIE COMPANY, Lowell, Mass.
Filed March 9, 1945. Serial No. 480,712. PUBLISHED JULY 10, 1945. Class 39.

416,512. FOUNTAIN PENS AND MECHANICAL PENCILS. THE PARKER PEN COMPANY, Janesville, Wis.
Filed March 9, 1945. Serial No. 480,716. PUBLISHED JULY 10, 1945. Class 37.

416,513. SEA FOODS—NAMES, FROZEN FISH. FISHERY PRODUCTS, INC., Boston, Mass., and Cleveland, Ohio.
Filed March 10, 1945. Serial No. 480,754. PUBLISHED JULY 10, 1945. Class 46.

416,514. SEA FOODS—NAMES, FROZEN FISH. FISHERY PRODUCTS, INC., Boston, Mass., and Cleveland, Ohio.
Filed March 10, 1945. Serial No. 480,755. PUBLISHED JULY 10, 1945. Class 46.

416,515. HOSIERY. A. KOMMEL & SONS, New York, N. Y.
Filed March 10, 1945. Serial No. 480,774. PUBLISHED JULY 3, 1945. Class 39.

416,516. LADIES' CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS AND LADIES' UNIFORMS FOR WORK PURPOSES, AND CHILDREN'S CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS AND NIGHTGOWNS, OF A TEXTILE FABRIC. I. SCHNEIERSON & SONS, INC., New York, N. Y.
Filed March 10, 1945. Serial No. 480,795. PUBLISHED JULY 10, 1945. Class 39.

416,517. MEN'S AND WOMEN'S SPORT JACKETS AND SHIRTS. SOLOMON BROS. CO., New York, N. Y.
Filed March 10, 1945. Serial No. 480,799. PUBLISHED JULY 10, 1945. Class 39.

416,518. ARTICLES MADE OF PRECIOUS AND SEMI-PRECIOUS METALS AND ORNAMENTED WITH PRECIOUS AND SEMI-PRECIOUS METALS—NAMES, TIE BARS, SHIRT STUDS, BELT BUCKLES, LOOPS, WATCH HOLDERS, MONEY CLIPS, ETC. HICKOK MANUFACTURING COMPANY INC., Rochester, N. Y.
Filed March 12, 1945. Serial No. 480,822. PUBLISHED JUNE 26, 1945. Class 28.

416,519. SUITS, COATS, DRESSES, SLACKS, SHORTS, BLOUSES, AND OUTER SKIRTS, FOR WOMEN AND MISSES. TWENTIETH CENTURY FROCKS, Los Angeles, Calif.
Filed March 19, 1945. Serial No. 481,089. PUBLISHED JULY 10, 1945. Class 39.

416,520. DEHYDRATED FOOD MIX FOR USE AS A COMPLETE MEAL, SIDE DISH OR VEGETABLE CONTAINING DEHYDRATED VEGETABLES INCLUDING RICE. DRY-PACK CORPORATION, New York, N. Y.

Filed March 21, 1945. Serial No. 481,136. PUBLISHED JULY 10, 1945. Class 46.

416,521. MAGNETIC CONTROLS FOR PRODUCING MECHANICAL MOVEMENTS FOR OPERATING ELECTRIC SWITCHES AND RELAYS. PRICE BROTHERS COMPANY, Frederick, Md.

Filed March 21, 1945. Serial No. 481,160. PUBLISHED JULY 10, 1945. Class 21.

416,522. POKER CHIPS. BRYN MAWR SMOKERS NOVELTY Co., Chicago, Ill.

Filed March 24, 1945. Serial No. 481,269. PUBLISHED JULY 10, 1945. Class 22.

416,523. FRUIT PRESERVES, PEANUT BUTTER, SALAD DRESSING AND SALAD RELISH. THE BAMA COMPANY, Birmingham, Ala.

Filed March 26, 1945. Serial No. 481,306. PUBLISHED JULY 10, 1945. Class 46.

416,524. MEN'S, BOYS', AND CHILDREN'S UNDERWEAR AND KNITTED OUTERWEAR—NAMESLY, SWEATERS, INCLUDING PULLOVERS AND BUT-TONED SWEATERS, JACKETS, AND SPORTS COATS. ASSOCIATED KNITTED OUTERWEAR MILLS, Inc., New York, N. Y.

Filed March 29, 1945. Serial No. 481,456. PUBLISHED JULY 10, 1945. Class 39.

416,525. MEN'S, BOYS', AND CHILDREN'S UNDERWEAR AND KNITTED OUTERWEAR—NAMESLY, SWEATERS, INCLUDING PULLOVERS AND BUT-TONED SWEATERS; JACKETS AND SPORTS COATS. ASSOCIATED KNITTED OUTERWEAR MILLS, Inc., New York, N. Y.

Filed March 29, 1945. Serial No. 481,458. PUBLISHED JULY 10, 1945. Class 39.

416,526. LADIES' AND MISSES' SUITS, COATS, JACKETS, SKIRTS. CHADWYK Co., New York, N. Y.

Filed March 29, 1945. Serial No. 481,461. PUBLISHED JULY 10, 1945. Class 39.

416,527. GIRLS' AND JUNIORS' COATS, SUITS, SKIRTS, JACKETS. CHADWYK Co., New York, N. Y.

Filed March 29, 1945. Serial No. 481,462. PUBLISHED JULY 10, 1945. Class 39.

416,528. COAL. CROZER LAND ASSOCIATION, Philadelphia, Pa.

Filed March 29, 1945. Serial No. 481,468. PUBLISHED JULY 3, 1945. Class 1.

416,529. CLOCKS. WILLIAM L. GILBERT CLOCK CORPORATION, Winsted, Conn.

Filed March 30, 1945. Serial No. 481,535. PUBLISHED JULY 3, 1945. Class 27.

416,530. STERLING SILVER FLAT-WARE AND HOL-LOW-WARE FOR TABLE USE AND THE LIKE. INTERNATIONAL SILVER COMPANY, Meriden, Conn.

Filed March 30, 1945. Serial No. 481,540. PUBLISHED JULY 3, 1945. Class 28.

416,531. WATCHES AND PARTS OF THE WATCH. RENÉ BRANDT, FABRIQUE D'HORLOGERIE OGIVAL, La Chaux-de-Fonds, Switzerland.

Filed April 3, 1945. Serial No. 481,661. PUBLISHED JULY 3, 1945. Class 27.

416,532. FINGER RINGS. THE COHAN Co., New York, N. Y.

Filed April 4, 1945. Serial No. 481,695. PUBLISHED JULY 3, 1945. Class 28.

416,533. FINGER RINGS. THE COHAN Co., New York, N. Y.

Filed April 4, 1945. Serial No. 481,696. PUBLISHED JULY 3, 1945. Class 28.

416,534. TANNED AND TREATED SKINS. J. LASKIN & Sons, Corp., New York, N. Y.

Filed April 5, 1945. Serial No. 481,748. PUBLISHED JULY 3, 1945. Class 1.

416,535. NECKLACES, PINS, BRACELETS, BROOCHES, RINGS, EARRINGS, CLIPS, TIE HOLDERS, COL-LAR HOLDERS AND CUFF LINKS, MADE OF PRECIOUS OR SEMI-PRECIOUS METAL. PROVIDENCE JEWELERS, Inc., Providence, R. I.

Filed April 9, 1945. Serial No. 481,905. PUBLISHED JULY 3, 1945. Class 28.

416,536. SMOKERS' PIPES, CIGAR, AND CIGARETTE HOLDERS. THE REISS-PREMIER CORPORATION, West New York, N. J.

Filed April 9, 1945. Serial No. 481,908. PUBLISHED JULY 3, 1945. Class 8.

416,537. SMOKERS' PIPES, CIGAR AND CIGARETTE HOLDERS. THE REISS-PREMIER CORPORATION, West New York, N. J.

Filed April 9, 1945. Serial No. 481,909. PUBLISHED JULY 3, 1945. Class 8.

416,538. SMOKING PIPES. HARRIET SACKS, New York, N. Y.

Filed April 10, 1945. Serial No. 481,960. PUBLISHED JULY 3, 1945. Class 8.

416,539. WATCHES. WALTHAM WATCH COMPANY, Wal-tham, Mass.

Filed April 12, 1945. Serial No. 482,082. PUBLISHED JULY 10, 1945. Class 27.

416,540. PRESSURE GAUGES. CERTIFIED GAUGE & IN-STRUMENT CORP., Long Island City, N. Y.

Filed April 13, 1945. Serial No. 482,092. PUBLISHED JULY 3, 1945. Class 26.

416,541. PHONOGRAPH RECORDS. EDWARD A. EILY, doing business as E. A. Eily Record Company, New York, N. Y., assignor to Roger Kay, New York, N. Y.

Filed April 13, 1945. Serial No. 482,095. PUBLISHED JULY 10, 1945. Class 36.

416,542. WATCHES, WATCH MOVEMENTS, AND WATCH PARTS. LEW ENTE CORP., New York, N. Y.

Filed April 13, 1945. Serial No. 482,099. PUBLISHED JULY 10, 1945. Class 27.

416,543. LEATHER. ANDREW GELLER SHOE MANUFAC-TURING Co., Inc., Brooklyn, N. Y.

Filed April 13, 1945. Serial No. 482,100. PUBLISHED JULY 3, 1945. Class 1.

416,544. MEN'S SUITS, VESTS, TROUSERS, OVER-COATS, AND SACK COATS. FASHION PARK, Inc., Rochester, N. Y.

Filed April 14, 1945. Serial No. 482,140. PUBLISHED JULY 10, 1945. Class 39.

416,545. MEN'S COATS, VESTS, AND PANTS. FASHION PARK, Inc., Rochester, N. Y.

Filed April 14, 1945. Serial No. 482,150. PUBLISHED JULY 10, 1945. Class 39.

416,546. MEN'S COATS, VESTS, PANTS, AND OVER-COATS. FASHION PARK, Inc., Rochester, N. Y.

Filed April 17, 1945. Serial No. 482,243. PUBLISHED JULY 10, 1945. Class 39.

416,547. COATS, VESTS, PANTS, AND OVERCOATS, FOR MEN AND BOYS. FASHION PARK, Inc., Roch-ester, N. Y.

Filed April 17, 1945. Serial No. 482,244. PUBLISHED JULY 10, 1945. Class 39.

416,548. PLYWOOD SHEATHING. DOUGLAS FIR PLY-wood Association, Tacoma, Wash.

Filed April 19, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 482,313. PUBLISHED JULY 10, 1945. Class 12.

416,549. PLYWOOD. DOUGLAS FIR PLYWOOD ASSOCIA-TION, Tacoma, Wash.

Filed April 19, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 482,314. PUBLISHED JULY 10, 1945. Class 12.

416,550. SALTED PEANUTS, PEANUT BUTTER, AND NUT CONFECTIONS—NAMESLY, NUT CLUSTERS IN WHICH THE NUTS ARE HELD TOGETHER BY A HARDENED SUGAR SYRUP COMPOSITION. LUMMIS & COMPANY, Philadelphia, Pa.

Filed April 21, 1945. Serial No. 482,430. PUBLISHED JULY 10, 1945. Class 46.

416,551. MEN'S COATS, VESTS, PANTS, AND OVER-COATS. FASHION PARK, Inc., Rochester, N. Y.

Filed April 23, 1945. Serial No. 482,474. PUBLISHED JULY 10, 1945. Class 39.

416,552. MEN'S OVERCOATS, COATS, VESTS, AND PANTS. FASHION PARK, Inc., Rochester, N. Y.

Filed April 23, 1945. Serial No. 482,478. PUBLISHED JULY 10, 1945. Class 39.

416,553. MEN'S AND YOUNG MEN'S SUITS AND OVER-COATS. FASHION PARK, Inc., Rochester, N. Y.

Filed April 23, 1945. Serial No. 482,481. PUBLISHED JULY 10, 1945. Class 39.

416,554. MEN'S COATS, VESTS, PANTS, AND OVER-COATS. FASHION PARK, Inc., Rochester, N. Y.

Filed April 23, 1945. Serial No. 482,482. PUBLISHED JULY 10, 1945. Class 39.

416,555. SHOE LASTS. JOYCE, Inc., Pasadena, Calif.

Filed May 15, 1945. Serial No. 483,374. PUBLISHED JULY 10, 1945. Class 50.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

416,556. (CLASS 39. CLOTHING.) ETTLEBRICK SHOE COMPANY, Greenup, Ill. Filed Apr. 17, 1942. Serial No. 452,390.

416,559. (CLASS 39. CLOTHING.) LOUIS B. STRAUSS, Brooklyn, N. Y. Filed Dec. 21, 1943. Serial No. 465,968.

Learn to Walk

FOR CHILDREN'S SHOES MADE OF LEATHER, FABRIC, RUBBER, OR A COMBINATION OF THESE MATERIALS.

Claims use since May 1, 1941.

416,557. (CLASS 39. CLOTHING.) LOUIS B. STRAUSS, Brooklyn, N. Y. Filed Dec. 21, 1943. Serial No. 465,969.

Beaverspun

FOR MEN'S AND WOMEN'S SWEATERS, SUITS, SCARFS AND HOSIERY, ALL FABRICATED FROM YARN HAVING A SUBSTANTIAL CONTENT OF BEAVER FUR THEREIN.

Claims use since Nov. 22, 1943.

416,558. (CLASS 39. CLOTHING.) LOUIS B. STRAUSS, Brooklyn, N. Y. Filed Dec. 21, 1943. Serial No. 465,967.

Minkspun

FOR MEN'S AND WOMEN'S SWEATERS, SUITS, SCARFS AND HOSIERY, ALL FABRICATED FROM YARN HAVING A SUBSTANTIAL CONTENT OF MINK FUR THEREIN.

Claims use since Nov. 22, 1943.

Musk ratspun

FOR MEN'S AND WOMEN'S SWEATERS, SUITS, SCARFS, AND HOSIERY, ALL FABRICATED FROM YARN HAVING A SUBSTANTIAL CONTENT OF MUSK-RAT FUR THEREIN.

Claims use since Nov. 22, 1943.

416,560. (CLASS 39. CLOTHING.) ALEXANDER H. BAILEY, doing business as A. H. Bailey Company, Darby, Pa. Filed Jan. 15, 1944. Serial No. 466,602.

Tub-ums

FOR FABRIC SLIPPERS.

Claims use since Dec. 28, 1943.

416,561. (CLASS 38. PRINTS AND PUBLICATIONS.) NATIONAL REPUBLICAN PRESS ASSOCIATION, Inc., Chi-cago, Ill. Filed Mar. 24, 1944. Serial No. 468,626.

Young
REPUBLICAN

FOR AN EDUCATIONAL OR POLITICAL MAGAZINE.

Claims use since February 1936.

416,562. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY A. SIMON, doing business as La Floreal Parfum Sales Co., Hollywood, Calif. Filed Apr. 20, 1944. Serial No. 469,518.

La Floreal

FOR PERFUMES.

Claims use since June 1935.

416,563. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) O. ROBERT WHITE, doing business as Affiliated Industries, New York, N. Y. Filed May 23, 1944. Serial No. 470,548.

HAIRINTZ

FOR HAIR TINTING MATERIALS FOR PERSONAL USE.

Claims use since Apr. 4, 1944.

416,564. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AGRICULTURAL LABORATORIES, INC., Columbus, Ohio. Filed May 27, 1944. Serial No. 470,694.

NO-PEST

FOR INSECTICIDES.

Claims use since Apr. 28, 1944.

416,565. (CLASS 39. CLOTHING.) FLORENCE LUSTIG, doing business as Florence, New York, N. Y. Filed June 10, 1944. Serial No. 471,123.



FOR A VESTEE.

Claims use since May 10, 1944.

416,566. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) FRED A. BOOTH, JR., doing business as Dental Artcraft Co., Miami, Fla. Filed June 20, 1944. Serial No. 471,442.



FOR WAXING MEDIA FOR CONDITIONING DIES AND PORCELAIN USED IN DENTISTRY.

Claims use since May 1, 1944.

416,567. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOY PIERCE GRIFFIN, doing business as L. P. Griffin Distributing Company, Edinburg, Tex. Filed June 24, 1944. Serial No. 471,603.

SPRING TIME

FOR FRESH TOMATOES.

Claims use since May 4, 1944.

416,568. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COMSTOCK CANNING CORPORATION, Newark, N. Y. Filed July 11, 1944. Serial No. 472,100.



The drawing is lined to represent the colors, red, yellow, blue, and green.

FOR CANNED APPLES.

Claims use since Nov. 7, 1938.

416,569. (CLASS 39. CLOTHING.) YOUNG ORIGINALS, New York, N. Y. Filed July 13, 1944. Serial No. 472,225.

SENIOR TEEN

FOR MISSES', JUNIOR MISSES', AND GIRLS' DRESSES, SLACKS, OUTER SHORTS, BATHING SUITS, BLOUSES, PLAYSUITS, BEACH ROBES, COATS, SUITS, OUTER SHIRTS, PINAFORES, WAISTCOATS, AND HATS.

Claims use since June 21, 1944.

416,570. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) W. & H. JEWELRY COMPANY, INC., Providence, R. I. Filed July 14, 1944. Serial No. 472,264.

Tiny Jewels

FOR INFANT'S AND CHILDREN'S JEWELRY—NAMES, BRACELETS, RINGS, BROOCHES, NECKLACES, PENDANTS, LOCKETS, PINS, BANDS, AND HAIR ORNAMENTS, ALL OF THE ARTICLES BEING MADE OF OR PLATED IN WHOLE OR IN PART WITH PRECIOUS METAL.

Claims use since Jan. 1, 1940.

416,571. (CLASS 39. CLOTHING.) THE LOUIS MARCUS CORPORATION, Baltimore, Md. Filed July 24, 1944. Serial No. 472,573.

Weather-tite

FOR COATS FOR WOMEN AND MISSES.

Claims use since June 15, 1944.

416,572. (CLASS 39. CLOTHING.) NEW PROCESS COMPANY, Warren, Pa. Filed Aug. 1, 1944. Serial No. 472,818.

Longwear

FOR WOMEN'S DRESSES.

Claims use since July 19, 1944.

416,573. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JONATHAN P. B. FISKE, Auburndale, Mass. Filed Aug. 5, 1944. Serial No. 472,975.

FISKE-COLORSTIX

FOR FLAME COLORING MATERIAL.

Claims use since July 29, 1944.

416,574. (CLASS 39. CLOTHING.) NEW PROCESS COMPANY, Warren, Pa. Filed Aug. 10, 1944. Serial No. 473,156.

Longwear

FOR WOMEN'S COATS.

Claims use since July 21, 1944.

416,575. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE AMERICAN GLOSSITE COMPANY, INC., New York, N. Y. Filed Aug. 12, 1944. Serial No. 473,206.

NEW YORKER

FOR PHONOGRAPH RECORDS.

Claims use since Aug. 8, 1944.

416,576. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) A. E. HULL POTTERY COMPANY, Crooksville, Ohio. Filed Aug. 16, 1944. Serial No. 473,318.



FOR POTTERY.

Claims use since October 1943.

416,577. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) KOPLOW TRIMMING COMPANY, also doing business as Windsor Button Shop, Boston, Mass. Filed Aug. 19, 1944. Serial No. 473,452.



FOR COMMON PINS.

Claims use since July 26, 1944.

416,578. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BUREAU OF NATIONAL AFFAIRS, INCORPORATED, Washington, D. C. Filed Aug. 25, 1944. Serial No. 473,592.

MANUAL OF LABOR SUPERVISION

FOR PERIODICAL PUBLICATIONS.

Claims use since Aug. 7, 1944.

416,579. (CLASS 39. CLOTHING.) I. J. NETHE & COMPANY, New York, N. Y. Filed Sept. 13, 1944. Serial No. 474,174.



I. J. Nethe & Co.

FOR SCARFS.

Claims use since March 1934.

416,580. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE JENSEN INC., New York, N. Y. Filed Sept. 21, 1944. Serial No. 474,451.

SACHET SPRAY

FOR PERFUMES AND TOILET WATER.

Claims use since July 12, 1944.

416,581. (CLASS 32. FURNITURE AND UPHOLSTERY.) KROLL BROTHERS COMPANY, Chicago, Ill. Filed Sept. 25, 1944. Serial No. 474,590.

TWO-DECKER

FOR BED SPRINGS AND CRIB SPRINGS.

Claims use since July 27, 1944.

416,582. (CLASS 38. PRINTS AND PUBLICATIONS.) REFRIGERATION PUBLICATIONS, INC., Cleveland, Ohio. Filed Oct. 6, 1944. Serial No. 475,017.

THE Refrigeration Industry

FOR A PUBLICATION PUBLISHED MONTHLY OR FROM TIME TO TIME, THE SUBJECT MATTER OF WHICH RELATES PRINCIPALLY TO REFRIGERATION.

Claims use since May 27, 1944.

416,583. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) H. & A. SELMER, INCORPORATED, Elkhart, Ind. Filed Nov. 22, 1944. Serial No. 476,784.

CHESTERFIELD



The mark is the name and silhouette of Philip Dormer Stanhope, 4th Earl of Stanhope, deceased.
FOR MUSICAL INSTRUMENT CASES.
Claims use since Aug. 10, 1944.

416,584. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE GOOD GREMLIN DOLL CO., Monterey Park, Calif. Filed Nov. 28, 1944. Serial No. 476,964.



FOR DOLLS.
Claims use since Aug. 1, 1944.

416,585. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RUSSELL COMPANY, Hattiesburg and Jackson, Miss. Filed Jan. 3, 1945. Serial No. 478,191.

**TOP
QUALITY**

Applicant is the owner of Reg. No. 177,219.
FOR PEANUT BUTTER, PICKLE RELISH SPREAD, MAYONNAISE, TEA, COFFEE, EVAPORATED MILK, CORN MEAL, RICE, SALAD DRESSING, STOCK AND POULTRY FEEDS—NAMESLY, GROWING MASH, HORSE AND MULE FEED, DAIRY FEED, ALL MASH STARTER, BROILER MASH, LAYING MASH, SCRATCH FEED, AND BABY CHICK GRAINS.
Claims use since 1933.

416,586. (CLASS 39. CLOTHING.) ERWIN CAMP, doing business as Camp Hosiery Mills, New York, N. Y. Filed Jan. 10, 1945. Serial No. 478,445.



FOR MEN'S, WOMEN'S, MISSES' AND GIRLS' HOSIERY.
Claims use since June 1944.

416,587. (CLASS 39. CLOTHING.) THE NEWMAN MERCANTILE COMPANY, Enid, Okla. Filed Jan. 15, 1945. Serial No. 478,640.

Beckley

FOR LADIES' AND MEN'S COATS AND SUITS, AND LADIES' FUR COATS, FUR JACKETS, AND FUR SCARFS.
Claims use since June 15, 1944.

416,588. (CLASS 39. CLOTHING.) ALAN-GILMORE CO., Chicago, Ill. Filed Feb. 1, 1945. Serial No. 479,272.



FOR MEN'S, WOMEN'S, AND CHILDREN'S COATS AND JACKETS MADE PRINCIPALLY OF LEATHER, COTTON, AND WOOL.
Claims use since Sept. 15, 1941.

416,589. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RICHARDSON CORPORATION, Rochester, N. Y. Filed Feb. 28, 1945. Serial No. 480,351.

Berry Rich Sundae

FOR TOPPING MADE FROM A MIXTURE OF SUGAR, BOYSENBERRIES, BLACK RASPBERRIES, LOGANBERRIES, YOUNGBERRIES, AND PECTIN, USED FOR COATING ICE CREAM AND OTHER DESSERTS AND THE LIKE.

Claims use since Aug. 3, 1944.

416,590. (CLASS 39. CLOTHING.) GRUNWALD-MARK, Los Angeles, Calif. Filed Mar. 3, 1945. Serial No. 480,450.

THE "Neatline" COLLAR

FOR DRESS SHIRTS.
Claims use since July 1942.

416,591. (CLASS 38. PRINTS AND PUBLICATIONS.) HENRY J. WINEBERG, doing business as House Organ Feature Service, Chicago, Ill. Filed Mar. 19, 1945. Serial No. 481,092.

HOUSE ORGAN FEATURE SERVICE

FOR A PUBLICATION ISSUED PERIODICALLY.
Claims use since June 15, 1943.

416,592. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) STELZER BROS. INC., New York, N. Y. Filed Mar. 31, 1945. Serial No. 481,591.

Jeri Lee

FOR HANDBAGS, BILLFOLDS, WALLETS, KEY CASES, CARD CASES, PASS CASES, AND CHANGE PURSES.
Claims use since September 1943.

416,593. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich. Filed Apr. 6, 1945. Serial No. 481,820.

Wyandotte
Cleaner and Cleanser

FOR DETERGENT COMPOSITION FOR USE IN INDUSTRIAL AND HOUSEHOLD CLEANING.
Claims use since June 29, 1914.

416,594. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich. Filed Apr. 6, 1945. Serial No. 481,823.

Wyandotte
METAL CLEANER
"X"

FOR SODIUM SILICATE COMPOSITION FOR INDUSTRIAL CLEANING OF METAL SURFACES.
Claims use since Aug. 31, 1926.

416,595. (CLASS 39. CLOTHING.) JAMES J. ROTHENBERG, New York, N. Y. Filed Apr. 9, 1945. Serial No. 481,914.

REDMOND

FOR LADIES', MISSES', AND GIRLS' DRESSES, BLOUSES, JACKETS, SKIRTS, JUMPERS, AND COATS.
Claims use since June 1, 1944.

416,596. (CLASS 39. CLOTHING.) NUNN-BUSH SHOE COMPANY, Milwaukee, Wis. Filed Apr. 11, 1945. Serial No. 482,008.

Nunn-Bush

FOR MEN'S AND BOYS' SHOES, OXFORDS, SLIPPERS, MOCCASINS, AND BOOTS, MADE OF LEATHER, FABRIC, RUBBER, PLASTICS, AND COMBINATIONS THEREOF.
Claims use since June 21, 1912.

416,597. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MEVI INCORPORATED, New York, N. Y. Filed Apr. 13, 1945. Serial No. 482,109.

CHECK-R-CHESS

FOR GAME BOARDS.
Claims use since July 3, 1944.

416,598. (CLASS 39. CLOTHING.) THE SUPERS GLOVE COMPANY, Johnstown, N. Y. Filed Apr. 16, 1945. Serial No. 482,228.

by Superb

FOR MEN'S, WOMEN'S, AND CHILDREN'S GLOVES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Aug. 1, 1940.

416,599. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHATHAM PHARMACEUTICALS, INC., Newark, N. J. Filed Apr. 21, 1945. Serial No. 482,413.

Chatham

FOR HEMOSTATICS FOR THE CONTROL OF VENOUS AND CAPILLARY BLEEDING, FOR MEDICINAL PREPARATIONS FOR THE TREATMENT OF HYPERACIDITY, AND FOR OINTMENTS FOR THE TREATMENT AND ALLEVIATION OF BURNS AND SKIN DISEASES.

Claims use since Oct. 28, 1942.

416,600. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELMER PADULA, doing business as National Olive Products Co., Lindsay, Calif. Filed Apr. 25, 1945. Serial No. 482,587.

Bella Vista

FOR OLIVE PRODUCTS—NAMESLY, OLIVE OIL.
Claims use since Jan. 1, 1944.

416,601. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) K. HOVDEN, doing business as Western Fish Products Co., Monterey, Calif. Filed May 10, 1945. Serial No. 483,181.

Ocean Fresh

FOR CANNED FISH.
Claims use since July 2, 1940.

416,602. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RODDENBERRY BROTHERS, Cairo, Ga. Filed May 12, 1945. Serial No. 483,284.

Cream of Cane

FOR TABLE SYRUP.
Claims use since Dec. 18, 1917.

TRADE-MARK REGISTRATIONS RENEWED

27,198. REPRESENTATION OF A DRAGON. SPOOL-COTTON. Registered Nov. 12, 1895. THE WILLIMANTIC LINEN COMPANY, Willimantic and Hartford, Conn. Re-renewed Nov. 12, 1945, to The American Thread Company, New York, N. Y., a corporation of New Jersey. Class 43.

27,327. PHANTOM. PERFUMERIES, TOILET ARTICLES, AND PREPARATIONS. Registered Nov. 26, 1895. RICHARD HUDNUT. Re-renewed Nov. 26, 1945, to Richard Hudnut, New York, N. Y., a corporation of New York. Class 6.

44,845. A SHAPE FOR EVERY FIGURE. CORSETS. Registered July 25, 1905. J. Siegel & Co. Re-renewed July 25, 1945, to American Lady Corset Co., Detroit, Mich., a corporation of Michigan. Class 39.

45,542. CONSTITUTION. BLENDED COFFEE CONTAINING JAVA AND MOCHA. Registered Aug. 22, 1905. E. T. SMITH COMPANY, Worcester, Mass., a corporation of Massachusetts. Re-renewed Aug. 22, 1945. Class 46.

45,558. "LEDA" AND DRAWING. CIGARS. Registered Aug. 22, 1905. THEODORE H. HART & Co. Re-renewed Aug. 22, 1945, to Bobrow Bros., Inc., Philadelphia, Pa., a corporation of Pennsylvania. Class 17.

45,656. REPRESENTATION OF A GLOVER'S CIRCULAR PARING KNIFE AND A HAND. GLOVES. Registered Aug. 29, 1905. FOWNES BROTHERS & Co., London, England, and New York, N. Y. Re-renewed Aug. 29, 1945, to Fownes Brothers & Co., Incorporated, Gloversville, Amsterdam, and New York, N. Y., a corporation of New York. Class 39.

45,726. WEAREVER. COOKING UTENSILS MADE OF ALUMINUM AND ALUMINUM ALLOYS. Registered Aug. 29, 1905. THE ALUMINUM COOKING UTENSIL COMPANY, Pittsburgh, Pa. Re-renewed Aug. 29, 1945, to The Aluminum Cooking Utensil Company, New Kensington, Pa., a corporation of Pennsylvania. Class 13.

46,064. MACHINERY. MONTHLY PAPER DEVOTED TO THE DESIGN, CONSTRUCTION, AND OPERATION OF MACHINERY. Registered Sept. 5, 1905. THE INDUSTRIAL PRESS. Re-renewed Sept. 5, 1945, to The Industrial Press, New York, N. Y., a corporation of New York. Class 38.

46,132. "JEROME & CO." AND DRAWING. CLOCKS. Registered Sept. 5, 1905. THE NEW HAVEN CLOCK COMPANY, New Haven, Conn., a corporation of Connecticut. Re-renewed Sept. 5, 1945. Class 27.

46,855. R. F. S. & CO. JEWELRY-CHAINS. Registered Oct. 10, 1905. R. F. SIMMONS COMPANY. Re-renewed Oct. 10, 1945, to R. F. Simmons Company, Attleboro, Mass., a firm. Class 28.

48,064. AKC. MEDICINAL TABLETS FOR PAIN AND FEVER, HEADACHE, NEURALGIA, LA GRIPE, COUGHS AND COLDS, MALARIA, DYSMENORRHEA, RHEUMATISM, AND ANALOGOUS DISEASES. Registered Dec. 5, 1905. THE ANTIKAMNIA CHEMICAL COMPANY, St. Louis, Mo. Re-renewed Dec. 5, 1945, to Lafayette Drug Co., Inc., Jersey City, N. J., a corporation of New Jersey. Class 6.

48,070. REPRESENTATION OF THE GLOBE WITH A HIGH HAT. HATS, CAPS, AND BONNETS. Registered Dec. 5, 1905. COLLINS & FAIRBANKS COMPANY. Re-renewed Dec. 5, 1945, to Wm. Filene's Sons Company, Boston, Mass., a corporation of Massachusetts. Class 39.

196,421. "GCOO." CHAINS FOR PERSONAL WEAR, WHICH ARE MADE OF OR PLATED WITH PRECIOUS METALS. Registered Mar. 17, 1925. GENERAL CHAIN COMPANY, Providence, R. I. Renewed Mar. 17, 1945, to General Chain Company, Inc., North Attleboro, Mass., a corporation of Massachusetts. Class 28.

197,900. J. B. K. PRESERVED HERRING. Registered Apr. 28, 1925. ANDREW BRENNER & COMPANY LIMITED, Aberdeen, Scotland, a corporation of the Kingdom of Great Britain and Ireland. Renewed Apr. 28, 1945. Class 46.

198,286. "JAMES MORE JMP" AND DESIGN. PRESERVED HERRINGS. Registered May 12, 1925. JAMES MORE LIMITED, Wick, Scotland, a corporation of the United Kingdom of Great Britain and Ireland. Renewed May 12, 1945. Class 46.

198,722. "AVONDALE" AND DRAWING. CANNED PEAS, CANNED MIXED VEGETABLES. Registered May 26, 1925. THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio, a corporation of Ohio. Renewed May 26, 1945. Class 46.

199,162. TEENEY-WEENEY. BRASSIERES, CORSET WAISTS, CORSETS, GIRDLES, COMBINATIONS OF BRASSIERES AND CORSETS, LADIES' AND CHILDREN'S TEXTILE-FABRIC UNDERWEAR, CAMISOLES, LADIES' VESTS, CHEMISES, BLOOMERS, STEP-INS, PETTICOATS, AND COMBINATION SUITS. Registered June 2, 1925. AMERICAN LADY CORSET CO., Detroit, Mich., a corporation of Michigan. Renewed June 2, 1945. Class 39.

199,363. TRUSTEY FABRICS. COTTON, WOOLEN, LINEN, AND SILK PIECE FABRICS. Registered June 9, 1925. DAVID ROTHSCHILD & Co. Renewed June 9, 1945, to David Rothschild Company, Columbus, Ga., a corporation of Georgia. Class 42.

199,472. WARNSBURG. SAUSAGE. Registered June 9, 1925. ROSELAND FARM AND MANUFACTURING COMPANY, Warrensburg, Mo., a corporation of Missouri. Renewed June 9, 1945. Class 46.

199,621. DRI-SEAL. MIXED PAINTS. Registered June 16, 1925. RICHARD H. OAKLEY, doing business as Oakley Paint Manufacturing Company. Renewed June 16, 1945, to Oakley Paint Manufacturing Co., Los Angeles, Calif., a partnership. Class 16.

199,630. KENTUCKY BLOOM. WHISKY. Registered June 16, 1925. HARRY BLUM, doing business as Philip Blum & Company. Renewed June 16, 1945, to Philip Blum and Company, Inc., Chicago, Ill., a corporation of Illinois. Class 49.

199,786. VICTORY TWIST. CANDLES. Registered June 16, 1925. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Renewed June 16, 1945. Class 15.

199,788. CAMTHOL. MEDICINAL SALVE KNOWN AS CAMTHOL, USEFUL IN ALL FORMS OF CONGESTION AND INFLAMMATION AFFECTING THE RESPIRATORY ORGANS. Registered June 16, 1925. THE CAMTHOL COMPANY. Renewed June 16, 1945, to Shuptrine Company, Savannah, Ga., a partnership. Class 6.

199,901. "LACROIX FILS" ETC. AND DRAWING. CIGARETTE WRAPPERS AND PAPERS. Registered June 23, 1925. SOCIÉTÉ ANONYME D'EXPLOITATION DES PAPIERIES L. LACROIX FILS, Angoulême, France, a corporation of France. Renewed June 23, 1945. Class 8.

200,110. WISDOM. FRESH ORANGES. Registered June 23, 1925. EDISON CITRUS ASSOCIATION, Edison, Calif., a corporation of California. Renewed June 23, 1945. Class 46.

200,262. PREVENTOSAN. PREVENTATIVES FOR VENEREAL DISEASES. Registered June 30, 1925. JACOB SUNSHINE, doing business as Preventosan Laboratories. Renewed June 30, 1945, to Abraham Parodney, doing business as Preventosan Laboratories, New York, N. Y. Class 6.

200,324. "J. L. HOFFMAN CO. INC." AND DRAWING. STOCK AND POULTRY TONIC. Registered June 30, 1925. J. L. HOFFMAN COMPANY, Allentown, Pa., a corporation of Pennsylvania. Renewed June 30, 1945. Class 6.

200,396. OSODAMPA. ELECTRON TUBE AMPLIFICATION UNITS OR STAGES, COMPLETE RADIO FREQUENCY AMPLIFIERS, AND COMPLETE RADIO RECEIVING SETS CONTAINING ELECTRON-TUBE CIRCUITS. Registered June 30, 1925. GENERAL INSTRUMENT CORPORATION, New York, N. Y. Renewed June 30, 1945, to General Instrument Corporation, Elizabeth, N. J., a corporation of New Jersey. Class 21.

200,397. CORANTUM. ELECTRICAL INSULATION COMPOUND FOR USE IN ELECTRICAL AND RADIO APPARATUS. Registered June 30, 1925. GENERAL INSTRUMENT CORPORATION, New York, N. Y. Renewed June 30, 1945, to General Instrument Corporation, Elizabeth, N. J., a corporation of New Jersey. Class 2.

200,501. TRUFEST FABRICS. COTTON, WOOLEN, LINEN, AND SILK PIECE FABRICS. Registered July 7, 1925. DAVID ROTHSCHILD & Co. Renewed July 7, 1945, to David Rothschild Company, Columbus, Ga., a corporation of Georgia. Class 42.

200,749. EARLY BIRD. FRESH ORANGES. Registered July 7, 1925. EDISON CITRUS ASSOCIATION, Edison, Calif., a corporation of California. Renewed July 7, 1945. Class 46.

200,758. "AGAR" AND DESIGN. BEEF, PORK, SHEEP, AND VEAL CARCASSES AND PARTS THEREOF. Registered July 7, 1925. AGAR PACKING & PROVISION COMPANY. Renewed July 7, 1945, to Agar Packing & Provision Corporation, Chicago, Ill., a corporation of Virginia. Class 46.

201,524. DAY DREAM. PRESERVED, CANNED, BOTTLED, AND DRIED FRUITS. Registered July 28, 1925. PELLING, STANLEY & Co. LTD., Liverpool, England, a corporation of England. Renewed July 28, 1945. Class 46.

201,690. "BOOTHTON" ETC. AND DESIGN. COAL. Registered Aug. 4, 1925. SOUTHERN COAL & COKE COMPANY. Renewed Aug. 4, 1945, to Boothton Coal Mining Company, Boothton, Ala., a corporation of Alabama. Class 1.

201,713. RED SHIELD. CANNED FRUITS AND CANNED VEGETABLES. Registered Aug. 4, 1925. OLNEY & FLOYD. Renewed Aug. 4, 1945, to Olney & Floyd, Inc., Westernville, N. Y., a corporation of New York. Class 46.

201,959. HOLLY. CANDLES. Registered Aug. 11, 1925. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Renewed Aug. 11, 1945. Class 15.

202,155. DUROLEUM. PREPARED FLOOR COVERINGS OF THE OILED CLOTH TYPE. Registered Aug. 18, 1925. CONGOLEUM-NAIRN INC., New York, N. Y. Renewed Aug. 18, 1945, to Congoleum-Nairn Inc., Kearny, N. J., a corporation of New York. Class 20.

202,174. "ESBEE" AND DESIGN. APPARATUS DESIGNED FOR RESTAURANT AND LUNCH-ROOM SERVICE, PARTICULARLY COFFEE URNS, SINGLE AND BATTERIES; HOT-WATER URNS, COMBINATION URNS, URN STANDS, PLATE WARMERS, URN STAND AND PLATE WARMERS, BAIN MARIES, FUDGE WARMERS, SAUSAGE AND ROLL WARMERS, CREAM AND MILK DISPENSING COOLERS, ICED-TEA AND ICED-COFFEE DISPENSING COOLERS, FRUIT AND SALAD COOLERS, COOLER STANDS, SODA-FOUNTAIN LUNCHEONETTES, DRINKING FOUNTAINS, STEAM TABLES, GALVANIZED SINKS, POT RACKS, DISH CARRIERS, CUTLERY CARRIERS. Registered Aug. 18, 1925. S. BLICKMAN, INC., Weehawken, N. J., a corporation of New York. Renewed Aug. 18, 1945. Class 13.

- 202,200. "OAKLEY" AND DRAWING. DRY, PASTE, AND READY-MIXED PAINTS; OILS FOR PAINTERS' USE AND FOR USE IN THE MAKING OF PAINT; VARNISH; PAINT ENAMELS, CALCIMINE, PAINT REMOVER, SHINGLE STAIN. Registered Aug. 18, 1925. RICHARD H. OAKLEY, doing business as Oakley Paint Manufacturing Co. Renewed Aug. 18, 1945, to Oakley Paint Manufacturing Co., Los Angeles, Calif., a partnership. Class 16.
- 202,464. "CONSTITUTION" AND DRAWING. COFFEE, TEA, AND WHEAT FLOUR. Registered Aug. 25, 1925. E. T. SMITH COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed Aug. 25, 1945. Class 46.
- 202,564. BESTONE. BANJO RESONATOR ATTACHMENTS. Registered Aug. 25, 1925. MAGOSY & BUSCHER. Renewed Aug. 25, 1945, to Magosy & Buscher, New York, N. Y., a firm. Class 36.
- 202,939. JULIA SHEEN. WORSTED PIECE GOODS. Registered Sept. 8, 1925. ATLANTIC MILLS, Olneyville, Providence, R. I. Renewed Sept. 8, 1945, to A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware. Class 42.
- 202,978. "RED CROWN" AND DRAWING. COUPON BOOKS AND COUPONS. Registered Sept. 8, 1925. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Renewed Sept. 8, 1945. Class 38.
- 203,289. MAGIC ASHLESS COAL. COAL. Registered Sept. 15, 1925. MAGIC COLLIERIES COMPANY. Renewed Sept. 15, 1945, to Norton Coal Corporation, Nortonville, Ky., a corporation of Kentucky. Class 1.
- 203,558. PRESTA. BICYCLES, AUTOMOBILES, AND THE FOLLOWING STRUCTURAL PARTS THEREOF: AIR VALVES, STEEL AND BRASS NIPPLES, SCREWS, NUTS, SCREW DIES, TAPS, BOLTS, CHAIN ADJUSTERS, LUBRICATORS, CRANK COTTERS, BRACKET COTTERS, SPINDLES, HUBS, CONES, WASHERS, WING NUTS, BRAKE PARTS. Registered Sept. 22, 1925. EDOUARD DUBIED & CIE SOCIETE ANONYME, Couvet, Switzerland, a corporation of Switzerland. Renewed Sept. 22, 1945. Class 19.
- 203,820. "DAIRYFRESH" AND DESIGN. DAIRY PRODUCTS—NAMESLY, COTTAGE CHEESE. Registered Sept. 29, 1925. HARRY W. SHEARING, doing business as H. W. Shearing & Co., Marilla, N. Y. Renewed Sept. 29, 1945, to Charles D. Cook, doing business as Cook Farms, Valhalla, N. Y. Class 46.
- 204,432. PALACE GARDEN. CANNED VEGETABLES. Registered Oct. 20, 1925. OLNEY & FLOYD. Renewed Oct. 20, 1945, to Olney & Floyd, Inc., Westernville, N. Y., a corporation of New York. Class 46.
- 204,637. AURA. LEATHERS. Registered Oct. 20, 1925. PFISTER & VOGEL LEATHER COMPANY. Renewed Oct. 20, 1945, to Pfister & Vogel Tanning Company, Milwaukee, Wis., a corporation of Wisconsin. Class 1.
- 204,730. SHEEPO. SHEEP MANURE. Registered Oct. 27, 1925. NEBRASKA FERTILIZER COMPANY, Omaha Nebr., a corporation of Nebraska. Renewed Oct. 27, 1945. Class 10.
- 204,814. STRUCO SLATE. ENAMELED AND PAINTED SLATE PRODUCTS, PARTICULARLY TOILET PARTITIONS, URINAL STALLS, SHOWER STALLS, SINKS, AND SINK TOPS. Registered Oct. 27, 1925. THE STRUCTURAL SLATE COMPANY, Pen Argyl, Pa., a corporation of Pennsylvania. Renewed Oct. 27, 1945. Class 13.
- 205,120. "ARABISCHE NÄCHTE" AND DRAWING. PERFUMERY, COSMETICS—NAMESLY, FACE POWDER, TALCUM POWDER, FACE CREAM, ROUGE, ETHERAL OILS, BATH SALTS, DISINFECTANTS, FACE LOTION, HAIR TONIC, MOUTH WASH, AND TOOTH PASTE. Registered Nov. 3, 1925. LUDWIG SCHERK, doing business as Parfümerie Scherk, Berlin, Germany. Renewed Nov. 3, 1945, to Ludwig Scherk, Inc., New York, N. Y., a corporation of New York. Class 6.

- 205,144. "RADOFF AND SHURE SHINE" AND DESIGN. CUTTING MATERIALS, COMPOSED OF GRIT HELD IN FORM WITH WAX AND OIL, AND POLISHING POWDER. Registered Nov. 3, 1925. CLARK P. CURRIER, doing business as Aurora Dental Specialties Company, Aurora, Ill. Renewed Nov. 3, 1945. Class 4.
- 205,496. STERILINE. PETROLEUM JELLY AND CATTARRHAL JELLY. Registered Nov. 10, 1925. BENZ TOILET PRODUCTS, INC. Renewed Nov. 10, 1945, to Raymond C. Goodwin, Syracuse, N. Y. Class 6.
- 205,665. "TACKINE" ETC. AND DESIGN. COMPOUNDING INGREDIENT AND RUBBER SOFTENER. Registered Nov. 10, 1925. THE RUBBER SERVICE LABORATORIES COMPANY, Akron, Ohio. Renewed Nov. 10, 1945, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware. Class 6.
- 205,940. JOHN ALDEN. FRESH CITROUS FRUITS—NAMESLY, ORANGES, LEMONS, GRAPEFRUIT. Registered Nov. 17, 1925. HIGHLAND EXCHANGE ASSOCIATION, Highland, Calif., a corporation of California. Renewed Nov. 17, 1945. Class 46.
- 206,047. "BB" IN A MONOGRAM. FOLDING PAPER BOXES, CARTONS, CASES, AND CONTAINERS. Registered Nov. 24, 1925. BROWN & BAILEY COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Nov. 24, 1945. Class 2.
- 206,054. CRINOLINE. SOAP. Registered Nov. 24, 1925. RICHARD HUDNUT, New York, N. Y., a corporation of New York. Renewed Nov. 24, 1945. Class 4.
- 206,129. METROPOLITAN. NEAR BEER. Registered Nov. 24, 1925. JACOB RUPPERT, New York, N. Y., a corporation of New York. Renewed Nov. 24, 1945. Class 48.
- 206,133. WEDGEWOOD. CANDY. Registered Nov. 24, 1925. LOFT INCORPORATED, New York, N. Y. Renewed Nov. 24, 1945, to Loft Candy Corporation, Long Island City, N. Y., a corporation of New York. Class 46.
- 206,205. REPRESENTATION OF A SEAL DESIGN. DRY, PASTE, AND READY-MIXED PAINTS, VARNISHES, AND ENAMELS INCLUDING PAINT, VARNISH, AND ENAMEL SPECIALTIES, PRODUCTS MANUFACTURED TO MEET PECULIAR CONDITIONS. Registered Nov. 24, 1925. BENNETT GLASS & PAINT COMPANY, Salt Lake City, Utah. Renewed Nov. 24, 1945. Class 16.
- 206,270. "MORNING GLORY" AND DRAWING. HOSIERY. Registered Nov. 24, 1925. VANCE KNITTING COMPANY, INC., Kernersville, N. C., a corporation of North Carolina. Renewed Nov. 24, 1945. Class 39.
- 206,279. "BLAKE'S DROP CLOTH" AND DESIGN. PAINTERS' DROP CLOTHS MADE OF DRILL, SHEETINGS, AND MUSLINS. Registered Nov. 24, 1925. JOHN D. BLAKE, doing business as The Blake Company, Rockford, Ill. Renewed Nov. 24, 1945. Class 42.
- 206,293. "FAUST BRAND" AND DRAWING. MALT EXTRACT FOR FOOD PURPOSES. Registered Nov. 24, 1925. ALEX J. MAGGIO, doing business as Imperial Malt Co. Renewed Nov. 24, 1945, to Imperial Malt Company, Chicago, Ill., a corporation of Illinois. Class 46.
- 206,312. PROPERTY LIFE INSURANCE. DRY, PASTE, AND READY-MIXED PAINTS, VARNISHES, AND ENAMELS, INCLUDING PAINT, VARNISH, AND ENAMEL SPECIALTIES, PRODUCTS MANUFACTURED TO MEET PECULIAR CONDITIONS. Registered Nov. 24, 1925. BENNETT GLASS & PAINT COMPANY, Salt Lake City, Utah, a corporation of Utah. Renewed Nov. 24, 1945. Class 16.

- 206,406. "WEBER'S DURAL" AND DRAWING. DRAWING INSTRUMENTS, SUCH AS COMPASSES WITH FIXED PENCIL AND NEEDLE POINT, COMPASSES WITH FIXED NEEDLE POINT AND DETACHABLE PEN AND PENCIL PARTS IN LENGTHENING BARS, DIVIDERS, HAIR-SPRING DIVIDERS, PROPORTIONAL DIVIDERS, MICROMETER PROPORTIONAL DIVIDERS, STEEL SPRING BOW DIVIDERS, STEEL SPRING BOW PENCILS, STEEL SPRING BOW PENS, STEEL DROP SPRING BOW OR RIVET PENS, BEAM COMPASSES, RULING PENS, DOTTING PENS, DOTTING INSTRUMENTS, BORDER PENS, RAILROAD PENS, RAILROAD PENCILS, DOUBLE-BORDER PENS, ADJUSTABLE-BOW PENS, AND SWEDISH RULING PENS AND DETAIL PENS. Registered Dec. 1, 1925. F. WEBER CO., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Dec. 1, 1945. Class 26.
- 206,424. "SUMMERS" ETC. AND DESIGN. FERTILIZERS. Registered Dec. 1, 1925. THE SUMMERS FERTILIZER COMPANY, INC., Baltimore, Md., a corporation of Maryland. Renewed Dec. 1, 1945. Class 10.
- 206,474. "HOLTITE" AND DRAWING. SOLDER. Registered Dec. 1, 1925. THE WATERBURY BRASS GOODS CORPORATION. Renewed Dec. 1, 1945, to The American Brass Company, Waterbury, Conn., a corporation of Connecticut. Class 14.
- 206,533. GARDA. LIQUID FACE POWDERS, FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, TALCUM POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, AND SACHETS. Registered Dec. 8, 1925. THE J. R. WATKINS COMPANY, Winona, Minn., a corporation of Delaware. Renewed Dec. 8, 1945. Class 6.
- 206,620. OLD SOL. LYE. Registered Dec. 8, 1925. THE MATHIESON ALKALI WORKS, (INC.), New York, N. Y., a corporation of Virginia. Renewed Dec. 8, 1945. Class 6.
- 206,631. "SUN-CHEK" AND DRAWING. PREPARATION USED TO PREVENT SUNBURN. Registered Dec. 8, 1925. JOHN E. McBRADY, doing business as J. E. McBrady & Company. Renewed Dec. 8, 1945, to Bernard McBrady, doing business as J. E. McBrady & Co., Chicago, Ill. Class 6.
- 206,656. RED SEA. MEDICINAL PREPARATION OF BALSAM. Registered Dec. 8, 1925. RED SEA BALSAM CO., New Bedford, Mass. Renewed Dec. 8, 1945, to Bessie Louison, Taunton, Mass. Class 6.
- 206,680. REPRESENTATION OF A DOG AND FISH. COD-LIVER OIL FOR DOGS. Registered Dec. 8, 1925. SCOTT & BOWNE, Bloomfield, N. J., a corporation of New Jersey. Renewed Dec. 8, 1945. Class 6.
- 206,681. REPRESENTATION OF A FOX AND FISH. COD-LIVER OIL FOR FOXES. Registered Dec. 8, 1925. SCOTT & BOWNE, Bloomfield, N. J., a corporation of New Jersey. Renewed Dec. 8, 1945. Class 6.
- 206,682. REPRESENTATION OF A HEN AND FISH. COD-LIVER OIL FOR HENS. Registered Dec. 8, 1925. SCOTT & BOWNE, Bloomfield, N. J., a corporation of New Jersey. Renewed Dec. 8, 1945. Class 6.
- 206,683. REPRESENTATION OF A CHICKEN AND FISH. COD-LIVER OIL FOR CHICKENS. Registered Dec. 8, 1925. SCOTT & BOWNE, Bloomfield, N. J., a corporation of New Jersey. Renewed Dec. 8, 1945. Class 6.
- 206,687. BRANDIJEL. FRUITS PRESERVED IN BRANDIED SIRUPS, WHICH SIRUPS HAVE BEEN SOLIDIFIED OR JELLED BY THE USE OF THE GELATIN PROPERTY OF PURE FRUITS. Registered Dec. 8, 1925. G. B. RAFFETTO, INC., New York, N. Y., a corporation of New York. Renewed Dec. 8, 1945. Class 46.
- 206,708. WILTON. COTTON PIECE GOODS. Registered Dec. 8, 1925. THE DALLAS MANUFACTURING CO., Huntsville, Ala., a corporation of Alabama. Renewed Dec. 8, 1945. Class 42.
- 206,711. PRIMROSE. FACE CREAMS, CLEANSING CREAMS, VANISHING CREAMS, FACE LOTIONS, FACE ASTRINGENTS, ROUGES, FACE POWDERS, TALCUM POWDERS, LIPSTICKS, HAIR TONICS, HAIR LOTIONS, HAIR SHAMPOOS, HAIR DEPILATORIES, PREPARATIONS FOR STIFFENING EYELASHES, EYEBROW PENCILS, EYE LOTIONS, PERFUMES, TOILET WATERS, NAIL POLISHES, NAIL CREAMS, AND CHEMICALS SUITABLE FOR CUTICLE REMOVERS. Registered Dec. 8, 1925. THE LOWELL COMPANY. Renewed Dec. 8, 1945, to Primrose House, Inc., New York, N. Y., a corporation of Delaware. Class 6.
- 206,732. MATADOR. INSECTICIDES. Registered Dec. 8, 1925. DUNCAN, FOX & CO., INC., New York, N. Y., a corporation of New York. Renewed Dec. 8, 1945. Class 6.
- 206,760. KOHIL. COAL. Registered Dec. 8, 1925. COAL HILL MINING COMPANY, INC., Du Bois, Pa., a corporation of Pennsylvania. Renewed Dec. 8, 1945. Class 1.
- 206,763. DWARF. PICKLES, SOUR MIXED PICKLES, SWEET MIXED PICKLES, SWEET PICKLED GHERKINS, SOUR PICKLED GHERKINS, CHOWCHOW, HORSE-RADISH, SWEET VEGETABLE RELISH, AND PICKLED ONIONS. Registered Dec. 8, 1925. BLOCH & GUGGENHEIMER, INC., New York, N. Y. Renewed Dec. 8, 1945, to Bloch & Guggenheimer, Inc., Long Island City, N. Y., a corporation of New York. Class 46.
- 206,811. VELDEER. LEATHER GLOVES. Registered Dec. 8, 1925. FOWNES BROTHERS & CO. INC., Gloversville, Amsterdam, and New York, N. Y., a corporation of New York. Renewed Dec. 8, 1945. Class 39.
- 206,831. MONOCRINES. CONCENTRATED STERILE SOLUTIONS OF MONOENDOCRINE PROTEINS FOR HYPODERMIC INJECTION. Registered Dec. 8, 1925. THE HARROWER LABORATORY, INC., Wilmington, Del., and Glendale, Calif. Renewed Dec. 8, 1945, to The Harrower Laboratory, Inc., Glendale, Calif., a corporation of Delaware. Class 6.
- 206,833. REDWOOD. HOSIERY AND MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR OF KNITTED AND TEXTILE FABRICS. Registered Dec. 8, 1925. ELTING BROTHERS, New York, N. Y., a firm. Renewed Dec. 8, 1945. Class 39.
- 206,839. "NU-ART" ETC. AND DRAWING. DEPILATORY. Registered Dec. 8, 1925. NU-ART LABORATORIES INC. Renewed Dec. 8, 1945, to Jean Jordeau, Inc., South Orange, N. J., a corporation of New Jersey. Class 6.
- 206,842. LEG RITE. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY AND GARTERS. Registered Dec. 8, 1925. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa., a corporation of New York. Renewed Dec. 8, 1945. Class 39.
- 206,848. HERCULES. LAWN MOWERS. Registered Dec. 8, 1925. BLAIR MANUFACTURING COMPANY, Springfield, Mass., a corporation of Massachusetts. Renewed Dec. 8, 1945. Class 23.

REISSUES

SEPTEMBER 18, 1945

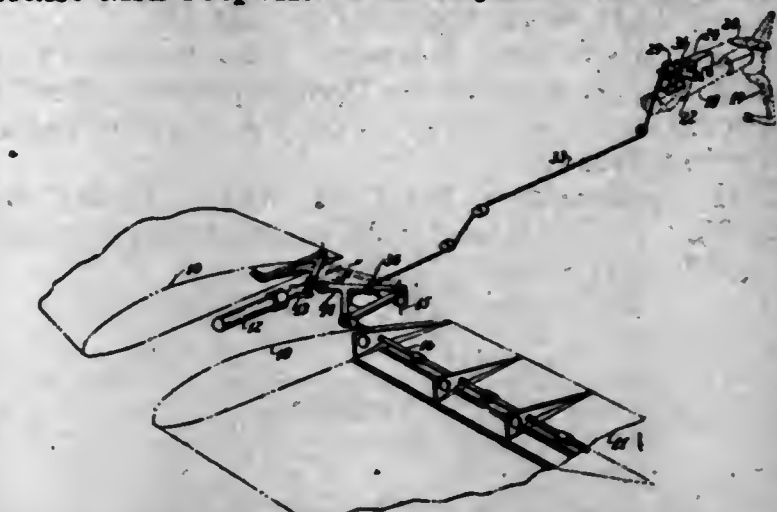
22,674

WING FLAP AND AUXILIARY WHEEL CONTROL

Edmund L. Noonan, Dayton, Ohio, and Walter Tydon, East Aurora, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Original No. 2,366,868, dated January 9, 1945, Serial No. 395,756, May 29, 1941. Application for reissue June 20, 1945, Serial No. 600,450
16 Claims. (Cl. 244-42)

1. In an aircraft, adjustably supported wing lift-increasing means, a tail landing device normally capable of swiveling, means operable to adjust said lift-increasing means, locking means operable to prevent or permit swiveling of said tail device, and means connected to said locking

means and responsive to adjustment of said first



mentioned means to a lift-increasing position for locking said tail device against swiveling.

PATENTS

GRANTED SEPTEMBER 18, 1945

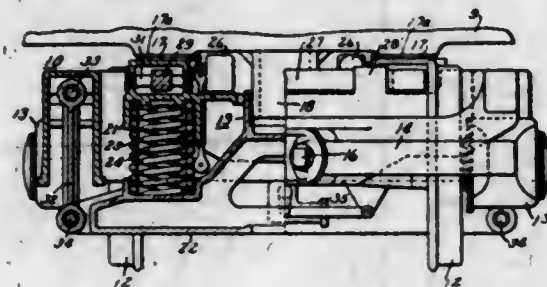
2,384,785

RAILWAY VEHICLE TRUCK

Frank L. Alben and Bernard F. Langer, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application May 14, 1941, Serial No. 393,328. Divided and this application October 22, 1943, Serial No. 507,260

4 Claims. (Cl. 105-190)



1. In a railway vehicle truck for supporting a car body, in combination, a truck frame, a swing bolster mounted in said frame, said bolster comprising an upper section and a lower section, a center pin disposed in the lower section, loading pads disposed on the upper section on opposite sides of the center pin to support the car body, helical springs interposed between said sections, and swing hangers for connecting the lower section to the truck frame.

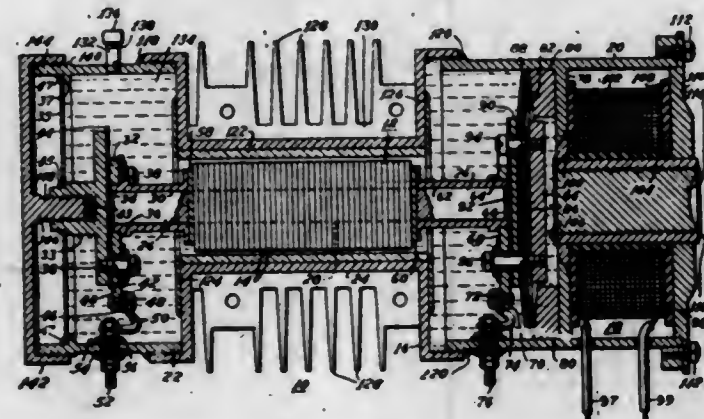
2,384,786

REGULATOR

Bascom O. Austin, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 12, 1944, Serial No. 517,918

3 Claims. (Cl. 201-51)



1. In a sealed regulator, in combination, a stack of disks of resistance material, a pressure plate at each end of the stack of disks, a spring member disposed to apply pressure to the stack through one of the pressure plates, an electromagnet having an armature member disposed to control the pressure applied in response to the energization of the electromagnet, a casing for the stack and associated spring and armature members for housing them, the casing having a diaphragm disposed for holding the other pressure plate, the casing having sealed joints to render the casing leakproof, a thermally conducting insulating medium disposed within the casing to envelop the stack and associated spring and armature members, and means comprising a member disposed in threaded engagement with the casing, the member also being in threaded en-

312

gagement with the diaphragm thereby to effect a predetermined movement of the diaphragm to adjust the setting of the other pressure plate within the sealed casing as the member is turned relative to the casing.

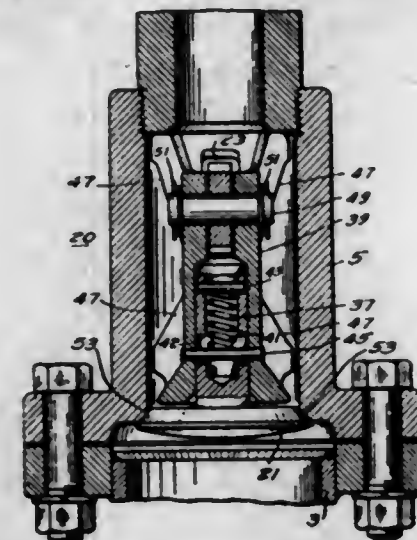
2,384,787

VALVE CONSTRUCTION

Benjamin P. Baker, Turtle Creek, and Richard C. Cunningham, East McKeesport, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 26, 1941, Serial No. 420,516

18 Claims. (Cl. 137-139)



1. In a valve mechanism, a valve means, means for operating said valve means to the open and closed positions and also operable to positively complete the closing operation every time its movement is initiated in the closing direction, a seat for the valve means, and means including the seat for successively absorbing the kinetic energy stored in said valve means and said second-mentioned means during a closing operation when the valve means strikes the seat.

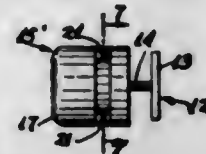
2,384,788

COLLAR CLIP

David Bakerman, West Haven, Conn.

Application February 5, 1944, Serial No. 521,165

1 Claim. (Cl. 24-110)



A collar clip having a headed straight pin formed with a reduced area adjacent its point for engaging through a collar point and adjacent area of a shirt and upon the free end of which a hollow socket member is engaged having internal finger portions engaging said reduced area holding said socket member in position on said pin, said finger portions being resilient to attain and maintain an engaged position with said reduced portion, and means for spreading said finger portions to disengage them from said reduced portions freeing said socket member to be removed from said pin, comprising operator rods extending in opposite directions from said finger portions to the exterior of said socket member to be manually pressed inwards to spread said finger portions.

SEPTEMBER 18, 1945

U. S. PATENT OFFICE

313

2,384,789

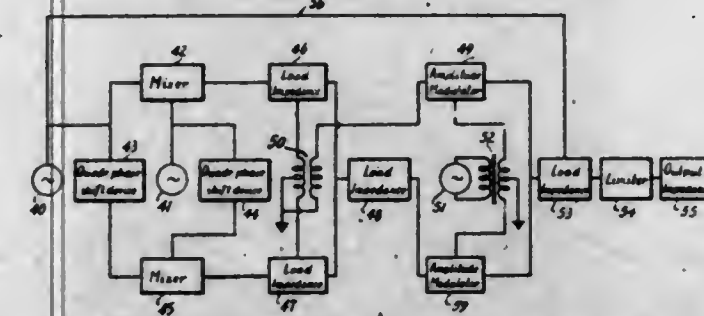
FREQUENCY MODULATOR

David Arthur Bell, London, England, assignor to Radio Patents Corporation, a corporation of New York

Application February 11, 1942, Serial No. 430,385

In Great Britain February 13, 1941

8 Claims. (Cl. 179-171.5)



1. A generator of a frequency modulated voltage oscillation of substantially constant amplitude, comprising a pair of amplitude modulators, means to excite said modulators with oscillations of two different frequencies outside the range of the frequency modulation, means to apply modulating voltages from a common modulating source to both of said modulators to modulate said oscillations in opposite phase, a common output impedance for said modulators, having a resonant band width including both of the frequencies of said oscillations and the whole range between them, a voltage limiter deriving its input voltage across said modulator output impedance, and a final output impedance receiving the output of the limiter and having a resonant band width including all frequencies within the range of frequency modulation but excluding the frequencies of said oscillations.

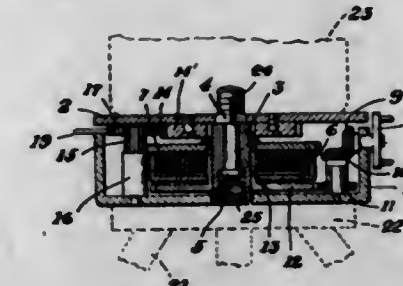
2,384,790

TRIPOD HEAD

Jacques Bolsey, New York, N. Y.

Application January 17, 1944, Serial No. 518,521

5 Claims. (Cl. 248-183)



1. A camera rotating unit driven by a spring motor and adapted to be inserted between the top of a tripod of the usual type and a camera, said unit comprising a base provided on its bottom face with a cylindrical screw hole of the type used in cameras for screwing the same to the screw bolt usually provided on the top of a tripod, an intermediate member mounted on said base rotatably about a vertical axis, a camera support provided on its top face with a screw bolt of the type used on the top of tripods for screwing a camera thereto, said camera support mounted on said intermediate member turnably about a horizontal axis, a spring motor fastened to said intermediate member, a horizontally arranged gear forming part of said base, a vertically arranged gear forming part of said camera support, a common horizontal shaft turnably mounted on said intermediate member, gear means connecting said spring motor with said common horizontal shaft and driving the same, and separate gear means mounted on said common horizontal shaft and meshing with said horizontally arranged gear on the one hand and said vertically arranged gear on the other hand.

578 O. G.-21

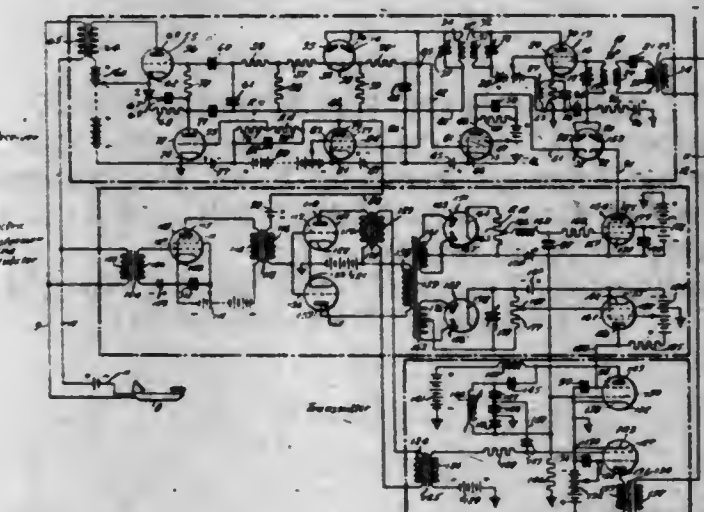
2,384,791

DISTORTIONLESS RADIO-FREQUENCY AMPLIFIER

James D. Booth, Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 6, 1942, Serial No. 425,766

7 Claims. (Cl. 179-171)



1. An amplifier comprising a tube having anode, cathode and at least one control electrode, means for biasing said electrodes for operation on a portion of the output characteristic of said tube which is remote from the cut-off point, an inductance, a capacitor and a resistor connected in parallel with each other and carrying the entire cathode current of said tube, a control electrode circuit interconnecting the control electrode with the terminus of said parallel circuit elements which is remote from said cathode, and an output circuit connected between the anode and said terminus.

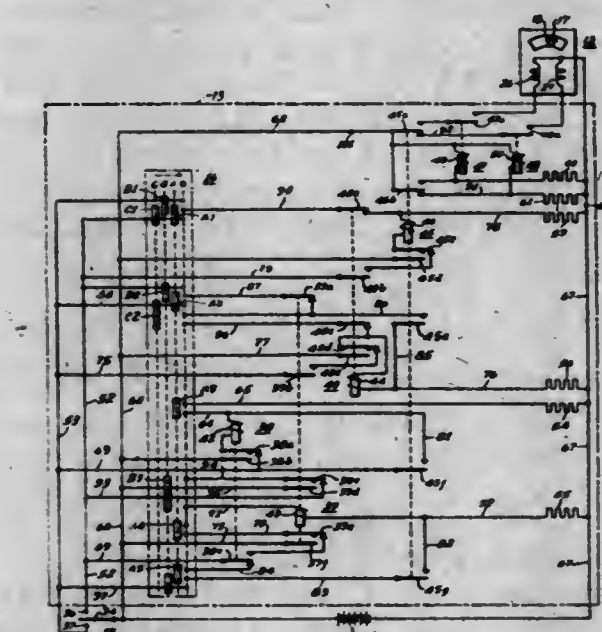
2,384,792

IMPULSE METERING SYSTEM

Myron J. Brown, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 3, 1942, Serial No. 467,735

9 Claims. (Cl. 177-351)



1. A telemetering system comprising, metering means at one station operable to produce a predetermined number of impulses in response to a predetermined flow of power in a circuit, additional metering means at a remote station, impulse producing means for controlling the additional metering means, a plurality of control relays connected to be selectively responsive to impulses from the metering means at the one station to effect operation of the impulse producing means, and switch means for operating the additional metering means on different

metering rates connected between the control relays and the metering means at the one station operable to different positions to secure different numbers of operations of the impulse producing means for a given number of impulses produced by the metering means at said one station, whereby the operation of the additional metering means on different metering rates is simulated.

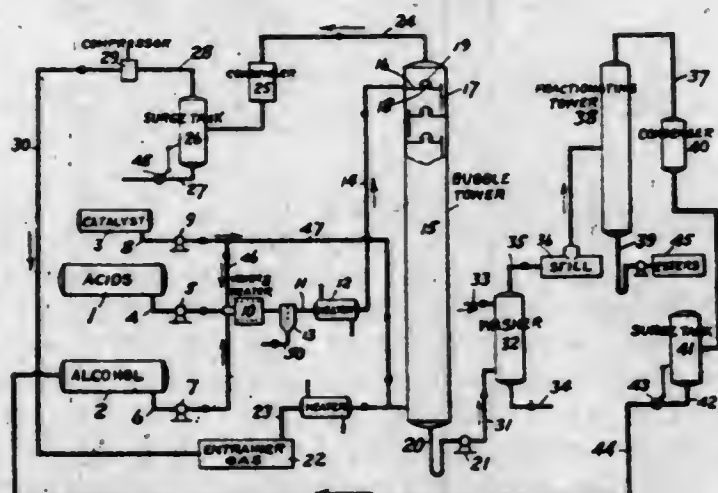
2,384,793

METHOD OF ESTERIFICATION

Johannes H. Bruun, Swarthmore, and John Harold Perrine, Prospect Park, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

Application August 7, 1942, Serial No. 454,042

2 Claims. (Cl. 260-410)



1. In the method of producing esters by reacting an alcohol with an organic acid, each of said reactants having a boiling point higher than the temperature used in the esterification reaction, the improvement which comprises forming a mixture of the acid and the alcohol, flowing a stream of the mixture downwardly through a reaction zone maintained at a temperature of 100-150° C. and countercurrent to a stream of inert gas, intimately commingling said mixture with said inert gas within said reaction zone in the presence of an esterification catalyst whereby the inert gas first comes in contact with a mixture containing a predominant proportion of esters and lastly comes in contact with the unesterified mixture of acids and alcohol, maintaining said reactants within said zone for a relatively short time but sufficient to obtain a high degree of esterification, withdrawing the esterified product from said zone at a locus near the locus of introduction of the inert gas and withdrawing the inert gas and water produced in the esterification reaction from said zone at a locus near the locus of introduction of the reactants.

2,384,794

EGG TRANSFER BASKET

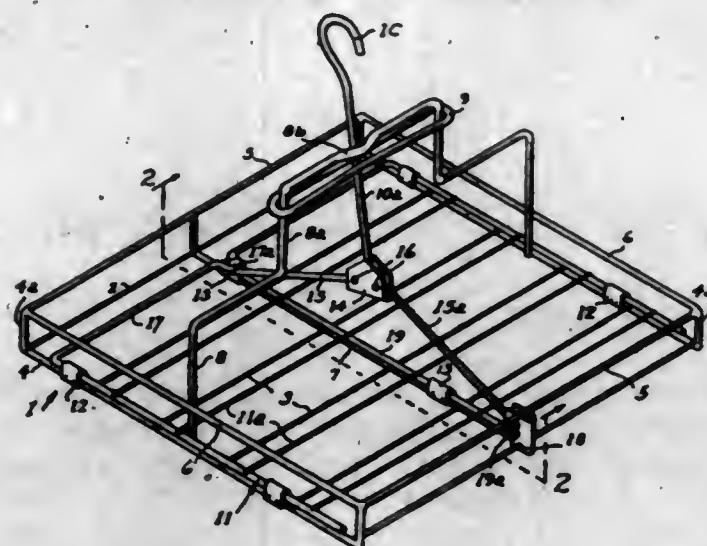
Earl T. Buckley, San Diego, and Belding E. Richmond, Chula Vista, Calif., assignors of one-half to Pacific Cooperative Poultry Producers, Portland, Oreg., a corporation of Oregon

Application January 10, 1944, Serial No. 517,690

1 Claim. (Cl. 294-87)

An egg transfer basket comprising a tray having a slatted floor section, upstanding marginal portions, and a centrally disposed handle, said slatted floor comprising spaced transverse members, a relatively movable floor member slidably mounted adjacent said slatted floor and including transversely disposed members, and means for moving said slatted floor and said floor member relatively so that the respective transverse mem-

bers are either arranged in approximate alinement to pass an egg from, or are staggered relatively to retain an egg within said transfer basket, said means including a lifting device and links joining said relatively movable floor member thereto, said means slidably engaging said



handle and serving with said handle as a means of lifting said basket, said lifting device and links being arranged to move and to hold said transverse members of the slatted floor and floor member staggered relatively, when said basket is lifted by said device.

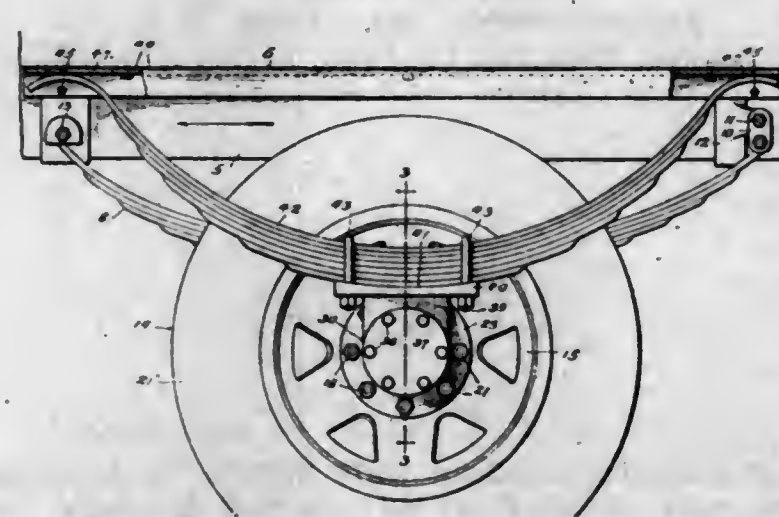
2,384,795

AUXILIARY SPRING MOUNTING

Buel H. Canady, Huntington Park, Calif., assignor of one-half to Clifford J. Wiley, Winslow, Ariz.

Application August 23, 1943, Serial No. 499,669

4 Claims. (Cl. 267-36)



3. The combination with a hub provided near its inner end with an outer radial flange, a disk wheel having a central opening for the passage of the hub and arranged upon the hub outwardly of the flange, the disk wheel having inner openings near its central opening, bolts carried by the flange and passing through the inner openings, a tubular cap having its outer end closed and its inner end open and provided near its inner end with an outer radial flange having openings, the tubular cap receiving the hub and the openings in the cap flange receiving the bolts, a spindle secured to the outer end of the cap and extending axially thereof, a housing receiving the spindle, a bearing within the housing and engaging the spindle, a leaf spring disposed near and upon the outer side of the disk wheel and having its intermediate portion mounted upon the housing, and means for securing the ends of the leaf spring to the chassis of the vehicle.

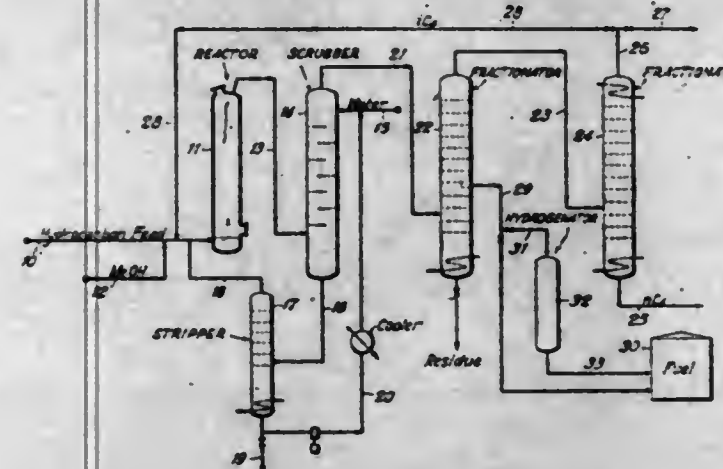
2,384,796

MOTOR FUEL SYNTHESIS

Don R. Carmody, Newton, Iowa, and Bernard H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application June 19, 1943, Serial No. 491,486

7 Claims. (Cl. 44-53)



1. The process of making motor fuel of high knock rating which comprises subjecting a mixture of an isoparaffin hydrocarbon and a normally gaseous olefin to the action of a phosphoric acid catalyst under alkylating conditions and simultaneously introducing methanol into the reaction, thereby facilitating the alkylation of said isoparaffin hydrocarbon and producing ethers, resulting in a motor fuel product containing both alkylmers and methyl ethers.

2,384,797

GAS IGNITER

Joseph A. Cerny, University Heights, and Julius Converse, East Cleveland, Ohio, assignors to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio

Application June 17, 1941, Serial No. 398,434

2 Claims. (Cl. 219-32)



1. In a gas igniter, a heat resistant block of electrical insulation, an electric igniter coil mounted thereon, said block having a passage therethrough into which one end of said coil projects and having a second passage substantially intersecting said first passage, a lead wire in said second passage, said block having an open cavity at the intersection of said passages providing access for a soldering tool, the crossed wires extending adjacent a wall of said cavity, whereby the said wall forms a back stop for the wires when the tool is pressed against them to effect a soldered joint.

2,384,798

WELDER'S HOOD

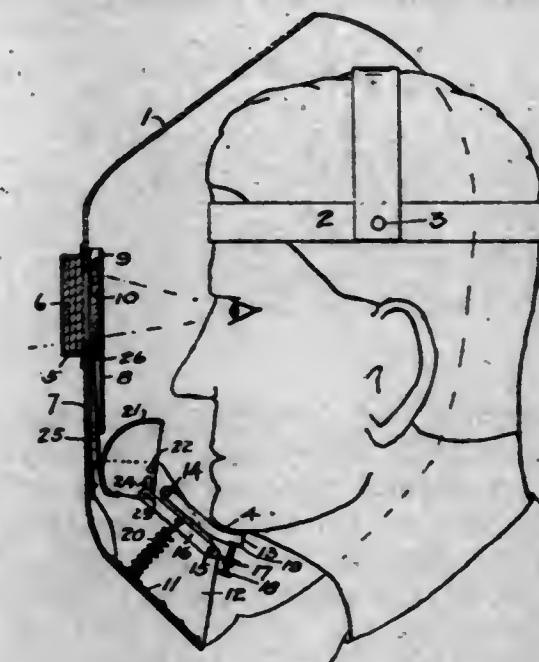
Otto J. Olson Conway, Tacoma, Wash.

Application May 31, 1943, Serial No. 489,122

4 Claims. (Cl. 2-8)

1. In a welder's hood having a colored glass eye-shield movably mounted therein and normally lying in the line of sight; in combination with a chin-rest pivotally supported in the hood and adapted to engage the wearer's chin; a lever pivotally mounted in said hood and adapted to be energized by the movement of said chin-rest; means including a metal tape and a swingable quadrant for connecting said lever with said eye-

shield whereby the movement of the chin-rest will cause the lever to rock the quadrant and wind the tape thereon to move the eye-shield out of the line of sight; and a spring engaging said lever



and through the medium of the tape and quadrant holding the eye-shield in its normal position, the portion of said tape extending free of the quadrant being arcuate in cross-section to give rigidity to the free tape portion.

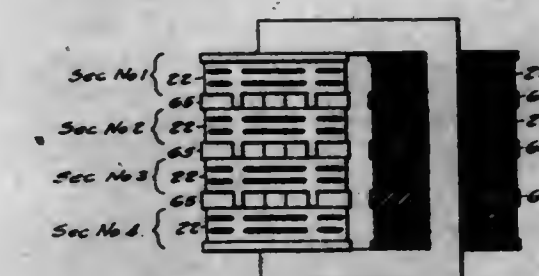
2,384,799

ELECTRICAL APPARATUS

Shirley S. Cook, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 15, 1943, Serial No. 514,386

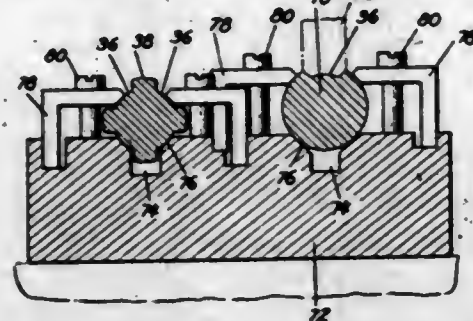
8 Claims. (Cl. 175-356)



1. Electrical apparatus comprising inductively related low-voltage and high-voltage windings disposed about the winding leg of a core structure, the high-voltage winding comprising a continuous winding conductor including a plurality of coil sections arranged in a stack, each section including a plurality of disk-type coil layer structures spaced apart, the line end turn of the winding being formed of a ribbon-like conductor having one dimension corresponding to the thickness of the section and extending simultaneously about the edges of all of the several coil layer structures of the first section of the winding, the conductor continuing through a series of turns in individual coil layers of the section, the turn next within the outer line end turn being in the coil layer at the end of the stack of coils comprising the winding and continuing in successive turns through corresponding positions with respect to the distance from the axis in the several coils of the section, the conductor continuing through a plurality of winding sections in a series of turns including in sequence in each section one turn in each coil layer of the section having similar positions with respect to the axis.

2,384,800 METHOD OF FORMING FLOWMETER TUBE MANDRELS

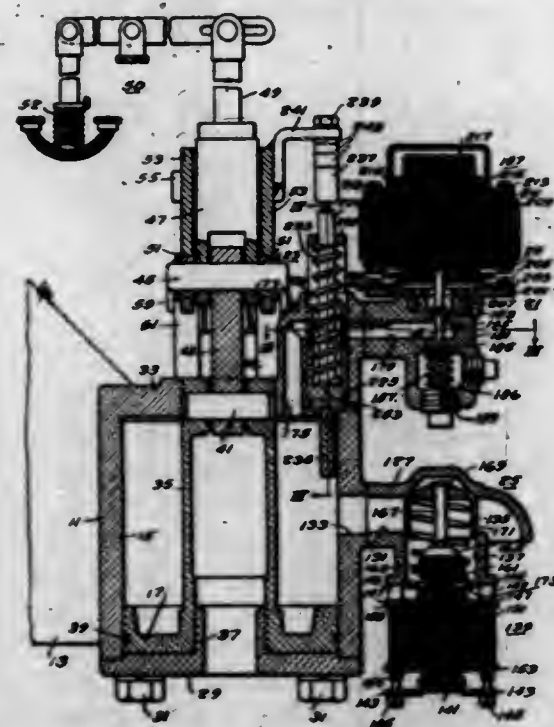
Claude E. Cox, Detroit, Mich.
Application January 22, 1942, Serial No. 427,759
4 Claims. (Cl. 76-101)



1. That method of forming a mandrel comprising supporting a straight cylindrical rod throughout its length upon a surface of the rod extending parallel to its axis and cutting the rod to form a plurality of flutes therein extending linearly thereof and spaced apart circumferentially thereabout by rib portions and so forming said flutes that they exhibit bottoms disposed in parallelism with the axis of the rod and spaced equidistant therefrom throughout their length, thereafter supporting the rod throughout its length upon the bottoms of certain of said flutes and tapering the ribs between the flutes from one end to the opposite end thereof.

2,384,801 CIRCUIT BREAKER

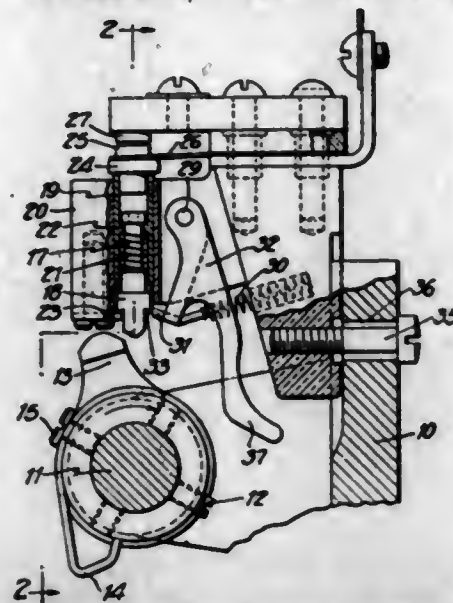
James M. Cumming, Turtle Creek, Pa., and Henry L. Peck, Camp Gordon, Ga., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 5, 1942, Serial No. 445,881
21 Claims. (Cl. 200-82)



1. In an operating mechanism for a circuit breaker, fluid pressure operated means for closing said breaker, means including an inlet valve operable to admit fluid pressure to effect closing of the breaker, a second valve disposed in a passage connecting said valve and the fluid pressure operated closing means, said second valve being operable by the fluid pressure operated means when the breaker is moved to open position to substantially close said passage, means for restraining said second valve in closed position during a substantial portion of the closing movement, and means including an auxiliary passage for admitting a predetermined fluid pressure independently of said second valve to operate the breaker to closed position.

2,384,802 CIRCUIT BREAKER

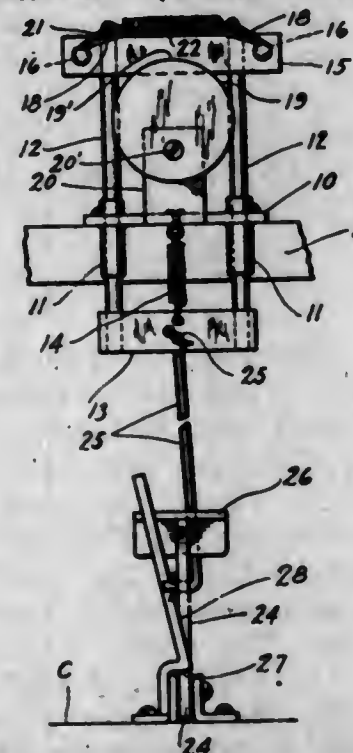
James M. Cunningham, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 27, 1943, Serial No. 488,714
2 Claims. (Cl. 200-33)



2. An electrical circuit controller comprising a support, a stationary contact mounted on the support, a movable spring member having a contact engageable with the stationary contact to make an electrical circuit, said spring member normally biasing its contact away from the stationary contact, a sleeve mounted for reciprocation in said support for engaging and moving said spring member to contact closing position, a plunger slidably mounted within said sleeve, a spring within the sleeve for transmitting movement of the plunger to the sleeve, a rotating cam for effecting a momentary movement of the plunger at a point in the rotation of the cam, said movement of the plunger causing corresponding movement of the sleeve through said spring to effect closure of the contacts, a latch for engaging and holding said plunger in its moved position whereby the spring exerts a continuing force to maintain the contacts closed, and a member adjustably secured to said cam for engaging said latch at another point in the rotation of the cam to release the plunger whereby said spring and contact spring member will effect reopening of the contacts.

2,384,803 DEVICE FOR HOLDING INNER TUBES

George M. Anderson, Duvall, Wash.
Application November 6, 1944, Serial No. 562,171
2 Claims. (Cl. 81-15.2)



1. A device for holding and smoothing inner

tubes for automobile tires to be repaired, comprising, a base, a convex faced holder mounted in fixed relation above the base, a frame slidably mounted in perpendicular relation with the base and holder, blades resiliently disposed above the holder and supported by the frame, means for manually drawing the blades down upon the holder and for wiping them along the sides of the holder for smoothing an inner tube beneath the blades to facilitate accurate repairs to the tube, and means for automatically releasing the blades from the holder.

2,384,804 SURGICAL CAST OR SPLINT MATERIAL, METHOD OF APPLICATION, AND PRODUCT THEREOF

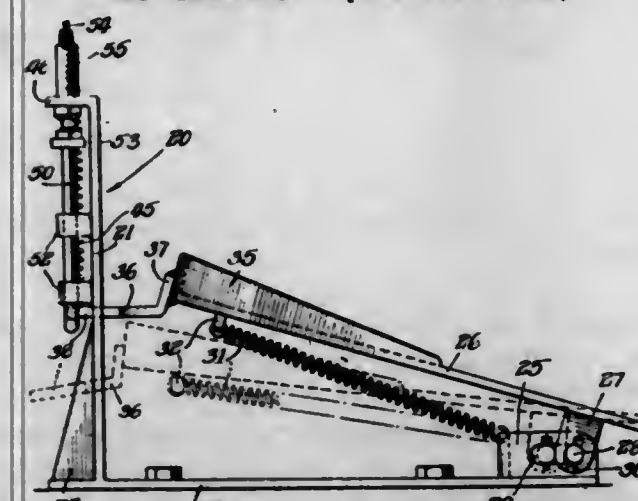
Roger Anderson, Seattle, Wash.
Application December 22, 1942, Serial No. 469,843
8 Claims. (Cl. 128-90)



8. A surgical cast or splint forming material comprising at least two longitudinally extending flexible helices of plastic material positioned in side by side relation with adjacent portions of convolutions of said helices provided with spot-like adherence at spaced intervals, whereby said helices will be formed into a unit and the flexibility of the helices unimpaired and the unit so formed may be flexibly applied about an injured member with the helices positioned to provide a multiplicity of contacting portions and the helices adhered together at said multiplicity of contacting portions to form a completed cast or splint.

2,384,805 CONTROL MECHANISM

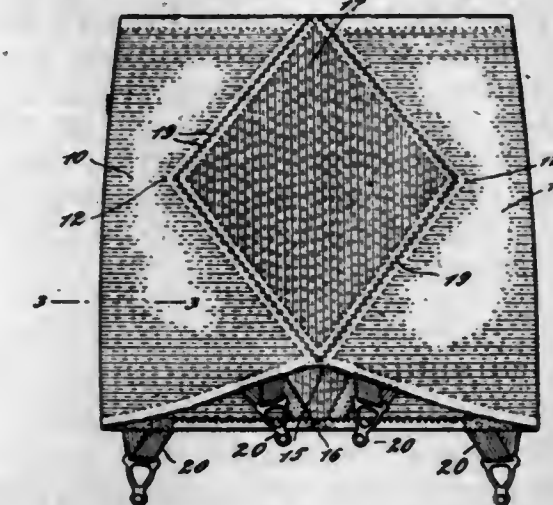
Charles A. Arens, Chicago, Ill., assignor to Arens Controls, Inc., Chicago, Ill., a corporation of Illinois
Application March 7, 1942, Serial No. 433,732
13 Claims. (Cl. 74-512)



1. A control mechanism comprising a frame, a control member adapted to be connected to a device to be controlled, said control member being pivotally and slidably mounted on said frame for movement along a preselected path of travel from a normal inoperative position to a given operated position to effect the operation of the controlled device, said control member being initially movable in a plurality of relatively angular directions within and along said path of travel from its normal inoperative position to said operated position, and means comprising engageable abutments on said frame and member operative to prevent completed movement of said member into effective operated position except when said member is moved to a preselected position from said said initial position.

2,384,806 UNDERGARMENT

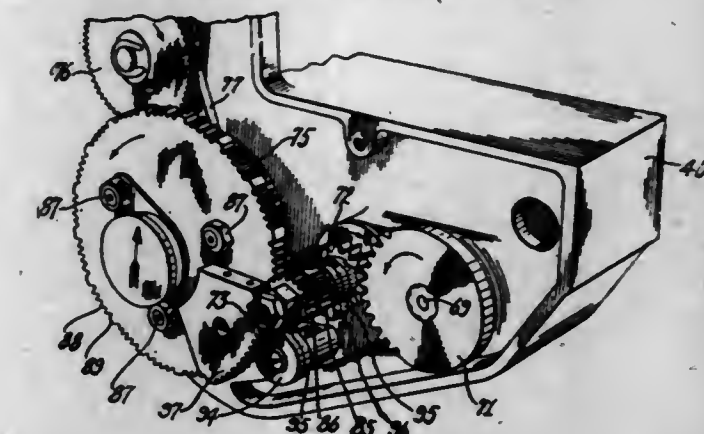
Ernest Berdach, New York, N. Y.
Application September 29, 1943, Serial No. 504,225
3 Claims. (Cl. 2-43)



1. An undergarment of woven material including a tight-fitting body encircling structure comprising a front section adapted to overlie and confine the abdomen, a rear section, and two side sections each constituted of a seamless and integral panel of woven material delineated at their meeting edges with the front and rear sections of the garment by edges in the V-form of an obtuse angle the arms of which extend vertically of the garment, whereby said side sections are capable of stretching laterally for producing the confining effect of the garment throughout the hypogastric region of the wearer, the capacity for stretching of the side sections being greatest at the top and bottom of their edges defined by the obtuse angle and considerably less at the median point of said edges and side sections.

2,384,807 IMPRINTING APPARATUS

Bruce Thomas Bickel, Dayton, Ohio, assignor to The Standard Register Company, Dayton, Ohio, a corporation of Ohio
Application February 2, 1942, Serial No. 429,257
2 Claims. (Cl. 101-47)



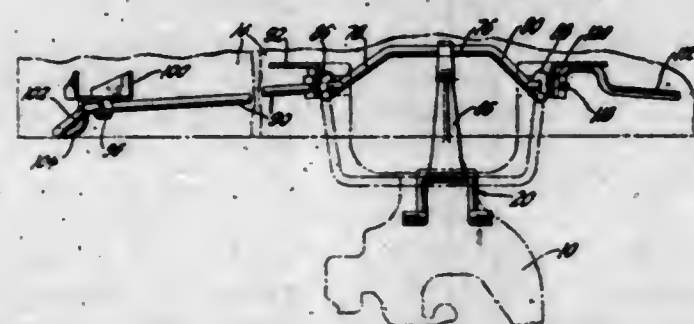
1. A strip feeding attachment for a printing apparatus having a continuously revoluble actuating shaft forming a part of the imprinting apparatus, including an intermittently operable strip engaging device intermittently advancing a continuous strip of record material through successive step by step movements of predetermined extent, a mutilated gear couple, the driver member of which is operatively connected with the printing apparatus actuating shaft for unison operation, and the driven member of which is actuated during a portion only of the cycle of operation of the driving member and is locked against operation during the remainder of said cycle, a coacting gear member having a succession of separate groups of gear teeth engaged by the driven member of the mutilated gear couple to advance the coacting member through a succession of par-

tial rotations, a notched disc connected to and rotating in unison with the partial rotations of the coacting gear member, a movable cam engageable in successive notches of the disc to give definition to the movement of the coacting gear member and arrest the movement of said coacting gear member at the end of a prescribed range of movement, a presser device operated in unison with the driven member of the mutilated couple to forcibly engage the cam in a notch of the disc, and an operative connection between the coacting gear member and the strip feeding device for driving the latter proportionately to the movement of the former.

2,384,808

UNCOUPLING MECHANISM

Martin P. Blomberg, Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 24, 1944, Serial No. 546,366
10 Claims. (Cl. 213-170)



6. In an uncoupling mechanism for car couplers equipped with a lift lever for unlocking the coupler, an adapter pivotally supported in openings on opposite sides of the coupler and adapted to engage said lever, said adapter comprising two generally L-shaped members the lower legs of which have portions which are of semi-cylindrical shape in cross-section and which are adapted to overlap each other when the upper ends of the members have been inserted in the openings after which the members are secured together to form the complete adapter, the flat inner faces of the two semi-cylindrical portions fitting against each other so that their outer surfaces together form a cylindrical portion, a ball, a link having a U-shaped hook at one end which fits over said cylindrical portion and a slot at the other end, said ball extending through said slot, and an uncoupling rod connected to said ball and extending to the side of the car, said rod when rotated being adapted to move said ball whereby the adapter will lift said lever serving to unlock the coupler.

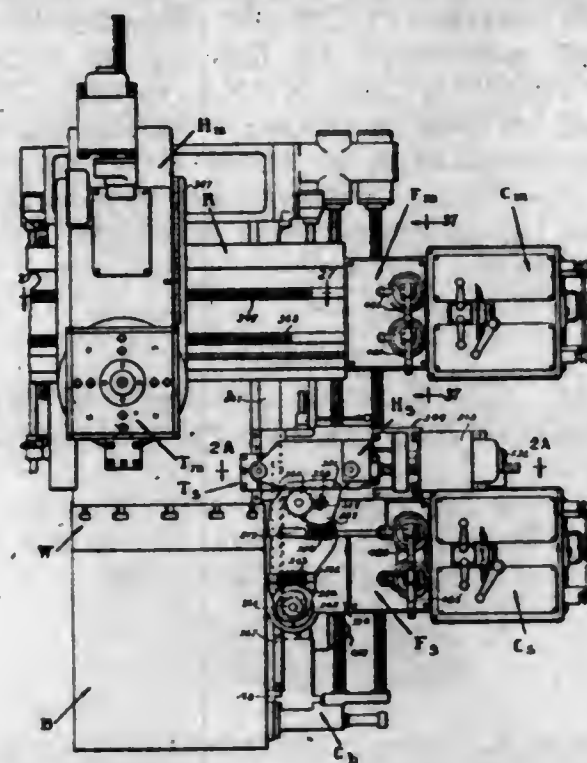
2,384,809

MACHINE TOOL

Edward P. Bullard, III, Fairfield, Le Roy E. Alvey, Bridgeport, Edward N. Cowell, Stratford, Paul H. Lange, Bridgeport, and Frank H. Mussler, Stratford, Conn., assignors to The Bullard Company, a corporation of Connecticut
Application May 21, 1942, Serial No. 443,992
63 Claims. (Cl. 29-36)

1. A machine tool comprising in combination, a work support; a plurality of tool supports; means for rotating said work support at a plurality of speeds; means for moving said tool supports along separate paths; means for initiating in any sequential order a plurality of any of the functions of which the machine tool is capable, said means including a plurality of function-control portions for each tool support, each adapted to be pre-set for initiating any of the functions

which its tool support is capable of performing; a corresponding means for each function-control portion of each tool support for limiting the ex-



tent of each function set up thereby; and means adapted to be operated by the function-control portions of each tool support for rendering effective the function-control portions of the other.

2,384,810

CONTAINER

Amos Calleson and Edgar A. Calleson, Merrick, N. Y., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application May 13, 1940, Serial No. 334,876
35 Claims. (Cl. 220-1)



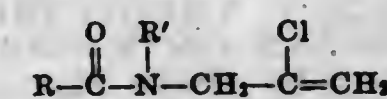
1. A metallic container for beer and similar beverages having a drawn body of substantially uniform diameter, a conical top integral with the body and smoothly joining the same, an up-standing neck of reduced diameter integral with the apex portion of said top whereby the body, top and neck are free of side and top seams, the body having a separate bottom secured thereto, the neck having its mouth portion projected inwardly to provide a pouring lip and having an externally projecting shoulder of greater diameter than the immediately adjacent lower portion of the neck whereby to be adapted to lock thereon a crown cap, the shoulder having a curvature adapted to provide sufficient rigidity to resist the thrust applied during application of a crown cap, the gauge of the metal of said container when drawn increasing in thickness substantially progressively from the neck to the bottom and the metal in the pouring lip being nearest the original thickness of the metal from which the container is drawn and being less drawn than the metal of the body of the container.

2,384,811

INSECTICIDAL AMIDES

Gerald H. Coleman, Wesley D. Schroeder, and Gerald A. Griess, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application June 15, 1942, Serial No. 447,144
6 Claims. (Cl. 260-562)

1. An amide having the formula



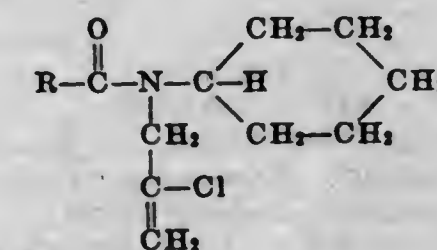
wherein R and R' each represents a hydrocarbon radical selected from the group consisting of alkyl, cycloalkyl, aryl, aralkyl, and alkenyl.

2,384,812

INSECTICIDAL TOXICANTS

Gerald H. Coleman, Wesley D. Schroeder, and Gerald A. Griess, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application June 17, 1942, Serial No. 447,438
5 Claims. (Cl. 167-24)

2. An insecticidal spray comprising a petroleum distillate having dissolved therein pyrethrin and an N-cyclohexyl-N-2-chloroalkyl amide having the formula



wherein R represents a hydrocarbon radical selected from the group consisting of alkyl, cycloalkyl, aryl, aralkyl, and alkenyl.

2,384,813

MANUFACTURE OF PURE PHOSPHORIC ACID

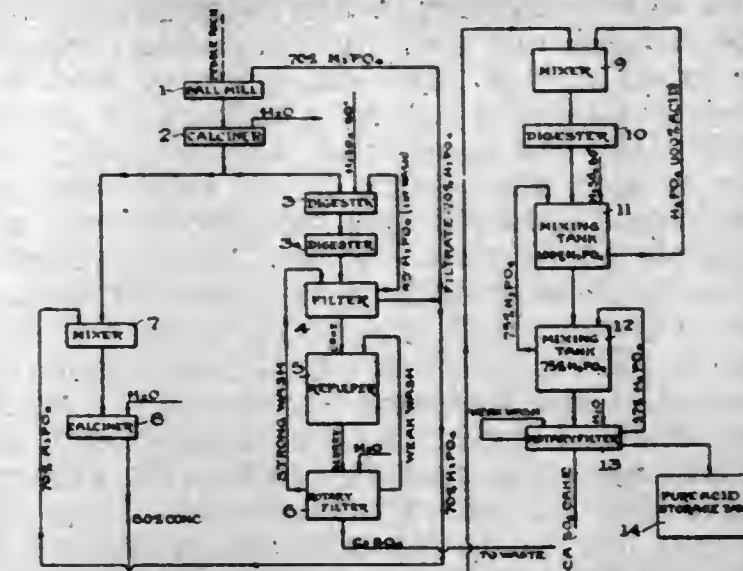
John H. Coleman, Plainfield, N. J., assignor to Southern Phosphate Corporation, Baltimore, Md., a corporation of Delaware
No Drawing. Application August 15, 1941, Serial No. 407,051
6 Claims. (Cl. 23-165)

3. A process for producing phosphoric acid which comprises maintaining a substantially anhydrous acid calcium metaphosphate containing CaO and P₂O₅ in a ratio less than 1:1 but not less than 1:2 and containing iron and aluminum metaphosphates as impurities into intimate contact with phosphoric acid of such strength and for such length of time as to convert at least the major portion of said acid calcium metaphosphate to calcium metaphosphate having a CaO to P₂O₅ ratio of 1:1, to form metaphosphoric acid, and to free the iron and aluminum metaphosphates, diluting the phosphoric acid, filtering off the freed iron and aluminum metaphosphates, bringing the calcium metaphosphate having the CaO to P₂O₅ ratio of 1:1 while in solution in phosphoric acid into intimate contact with sulfuric acid to form phosphoric acid and to precipitate calcium present as calcium sulphate, and recovering the phosphoric acid.

2,384,814

PRODUCTION OF PURE PHOSPHORIC ACID AND INTERMEDIATE PRODUCTS

John Harry Coleman, Plainfield, N. J., assignor to Southern Phosphate Corporation, New York, N. Y., a corporation of Delaware
Application April 8, 1942, Serial No. 438,174
13 Claims. (Cl. 23-109)

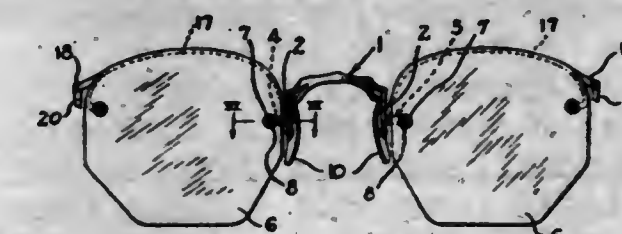


11. The method of producing an acid metaphosphate which comprises mixing a calcium phosphate with a phosphoric acid in such relative amounts that the resulting mixture has a CaO to P₂O₅ ratio greater than 1:1 but less than 2:1, calcining the resulting mixture at an elevated temperature below 240° C. to provide a relatively dry product, reacting a portion of the product of the calcination with phosphoric acid to form calcium phosphate in solution in phosphoric acid, reacting the calcium phosphate in solution in phosphoric acid with sulfuric acid to form crude phosphoric acid of high concentration and to precipitate from the solution calcium present as calcium sulfate, whereby the sulfuric acid does not react with the product of the calcination in solid form with resultant formation of a coating of insoluble precipitate of calcium sulfate on the particles thereof, which would impede further reaction of the sulfuric acid with the particles, separating the resulting crude concentrated phosphoric acid, mixing at least a portion of the separated crude concentrated phosphoric acid with another portion of said relatively dry product, the amount of crude concentrated phosphoric acid mixed with said other portion of the relatively dry product being such that the resulting mixture has a CaO to P₂O₅ ratio less than 1:1 but not less than 1:2, and calcining the resulting mixture at a temperature above 315° C. but not substantially above 400° C. to provide a relatively dry acid calcium metaphosphate containing CaO and P₂O₅ in a ratio less than 1:1.

2,384,815

OPHTHALMIC MOUNTING

Charles O. Cozzens, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application June 30, 1941, Serial No. 400,414
7 Claims. (Cl. 88-41)



1. A lens supporting structure for the lenses of an ophthalmic mounting having connection open-

ings in the nasal and temporal sides thereof, comprising a bridge member, relatively long and slender bar-like temple supports progressing outwardly from adjacent the bridge member and adapted to follow the upper contour edges of the lenses when related therewith, lens holding means adjacent said bridge having at least one perforated ear adapted to be connected to the lens through lens connection means extending through said perforated ear and the connection opening in the nasal side of said lens, each of said bar-like temple supports having a bifurcated portion adjacent the temporal end thereof with one branch of said bifurcation being relatively long and curving outwardly and rearwardly to a pivotal temple connection and the other extending downwardly substantially in the plane of the rear surface of the lens with the major portion thereof shaped to follow substantially the adjacent contour shape of the lens and terminating in an inwardly deflected portion having a flared end, said flared end having a perforation therein being so restricted on its lens engaging side that said entire end lies to one side of the plane of the adjacent surface of the lens when said end is in secured relation with the lens, said perforation being alignable, through adjustment of said flared end in any desired direction while retaining said end substantially in the plane of the rear surface of the lens, with the connection opening in the temporal side of the lens and being adapted to be secured to said lens by connection means extending through said perforation and the connection opening in the temporal side of the lens.

2,384,816

PREPARATION OF AMINO CARBOXYLIC ACIDS AND THEIR SALTS

George O. Curme, Jr., White Plains, N. Y., and Henry C. Chitwood and Jared W. Clark, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application December 20, 1941, Serial No. 423,756

9 Claims. (Cl. 260-531)

1. A process for making an alkali metal salt of a tertiary amino carboxylic acid which comprises heating a tertiary amino alcohol containing at least one primary alcohol group with an alkali metal hydroxide soluble therein and having a concentration, based on the weight of the alkali metal hydroxide and water present therewith, of not less than about 30 per cent, at a temperature at which hydrogen is liberated from the reaction mixture, with formation of the corresponding amino carboxylic acid salt.

2,384,817

CATALYTIC ALKALINE OXIDATION OF ALCOHOLS

Henry C. Chitwood, Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application September 5, 1942, Serial No. 457,515

9 Claims. (Cl. 260-531)

1. Process of making salts of carboxylic acids which comprises heating an alcohol containing a primary alcohol group with a strong alkali at a temperature sufficiently elevated to cause liberation of hydrogen from the reaction mixture and in the presence of cadmium catalyst.

6. Process of making salts of carboxylic amino acids which comprises heating an amino alcohol containing a primary alcohol group and having more than one carbon atom to the molecule with one of the group consisting of sodium and potassium hydroxides in the presence of cadmium catalyst at a temperature sufficiently elevated to cause liberation of hydrogen from the reaction mixture.

2,384,818

PREPARATION OF AMINO CARBOXYLIC ACIDS AND THEIR SALTS

George O. Curme, Jr., White Plains, N. Y., and Henry C. Chitwood and Jared W. Clark, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corp., a corporation of New York

No Drawing. Original application December 20, 1941, Serial No. 423,756. Divided and this application December 23, 1944, Serial No. 569,626

9 Claims. (Cl. 260-531)

1. A process for making an alkali metal salt of an amino carboxylic acid which comprises heating an amino alcohol of the group consisting of primary amino and secondary amino alcohols containing at least one primary alcohol group with an alkali metal hydroxide soluble therein and having a concentration, based on the weight of alkali metal hydroxide and water present therewith, of not less than 85 per cent, at a temperature at which hydrogen is liberated from the reaction mixture, with formation of the corresponding amino carboxylic acid alkali metal salt.

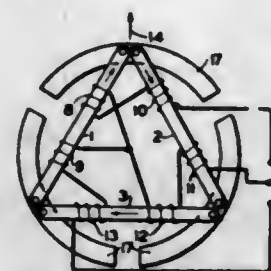
2,384,819

FLUX VALVE

Marlin C. Depp, Hempstead, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application January 19, 1943, Serial No. 472,911

10 Claims. (Cl. 177-380)



1. A flux valve sensitive to an external magnetic field and comprising a magnetically permeable core arranged to form a circuitous flux path of polygonal form, means for producing in said core a periodically varying, exciting flux having the same direction about said core for any instantaneous value thereof, and a plurality of pairs of pick-up coils mounted on said core, two of said pick-up coils being mounted on each zone of said core forming a side of said polygon and each coil of a pair being mounted on said core respectively in zones thereof forming adjacent sides of the polygon and being connected together to oppose the voltages induced therein by said exciting flux.

2,384,820

SEED PLANTING MACHINE

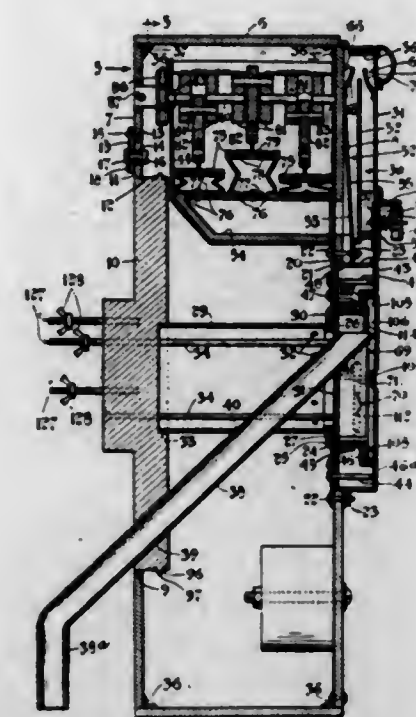
John M. Dodwell, Shawbridge, Quebec, Canada

Application March 6, 1943, Serial No. 478,285

18 Claims. (Cl. 222-11)

1. A seed planting machine including a seed pick-up ring which rotates about a horizontal

axis during travelling movement of said machine, said ring being provided with suction ports extending from the inner to the outer periphery thereof, means for feeding a mass of seeds onto the inner lower portion of said ring, a source of suction with which the space encircled by said ring is placed in open communication only by those suction parts which, at any given time, are travelling from a position below toward a posi-



tion above said mass of seeds, the suction created in the last mentioned ports being effective to cause a seed to be drawn against the inner end of each of said ports and to travel upwardly therewith, a seed delivery spout having a seed receiving end positioned within said ring and means whereby the seeds which are separated from said mass of seeds by the last mentioned suction ports are deposited in the said seed receiving end of the delivery spout.

2,384,821

OCTAFLUOROCYCLOBUTANE AND PYROLYTIC PROCESS FOR ITS PRODUCTION

Frederick B. Downing, Carneys Point, and Anthony F. Benning and Robert C. McHarness, Woodstown, N. J., assignors to Kinetic Chemicals, Inc., Wilmington, Del., a corporation of Delaware

No Drawing. Application May 11, 1944, Serial No. 535,208

3 Claims. (Cl. 260-648)

1. Octa-fluoro-cyclo-butane.
2. The process of producing C_4F_8 which comprises passing $CHClF_2$ through an inert reaction tube at between $600^\circ C.$ and $1000^\circ C.$ for sufficient time to pyrolyze the $CHClF_2$ and convert a substantial proportion thereof to C_4F_8 and then separating the C_4F_8 from the reaction products.

2,384,822

GRIPPING OR CUTTING TOOL

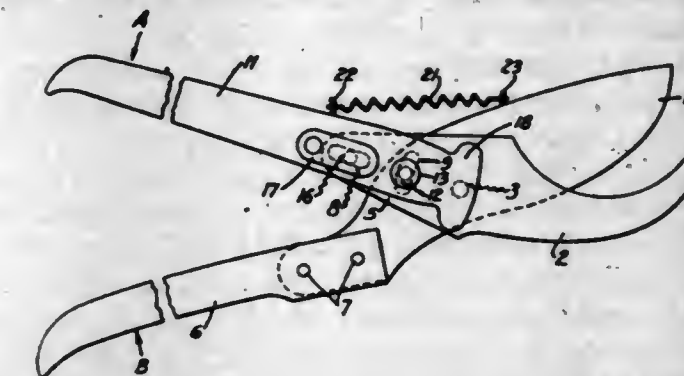
Stipan A. Drmic, Watsonville, Calif.

Application April 4, 1944, Serial No. 529,521

6 Claims. (Cl. 30-250)

1. A tool comprising a first jaw, a second jaw pivoted to the first jaw and having a slot rearwardly spaced from the pivot axis of the jaws, a handle secured to the first jaw, a second handle, a pivot pin pivotally connecting the second handle to the first jaw through the slot in the second jaw, and a pressure applying pin connect-

ing the second jaw and the second handle at a point rearwardly spaced from the pivot axis of



the second handle upon the first jaw and permitting relative pivotal and sliding movement of said second jaw and second handle.

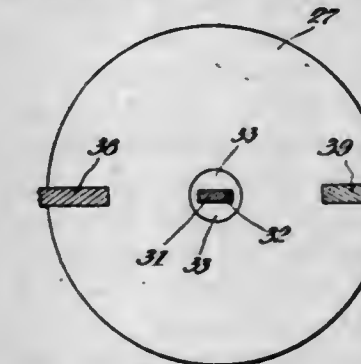
2,384,823

TORSIONAL OSCILLATOR

Bert E. Eisenhour, Aurora, Ill., assignor of one-half to Riverbank Laboratories, Geneva, Ill., a corporation of Illinois

Application February 8, 1943, Serial No. 475,187

16 Claims. (Cl. 84-457)



1. An oscillator of the torsional type, comprising an elongated torsional element composed of longitudinally extending segments of metal having opposite values of temperature coefficients of elasticity for giving the oscillator a given frequency of oscillation for different temperature conditions at a given adjustment of the element, an oscillating mass secured to a free part of said element and extending radially therefrom to oscillate about the axis of said element, a stationary support, and means on said support for longitudinally adjustably securing in fixed position another part of said element.

2,384,824

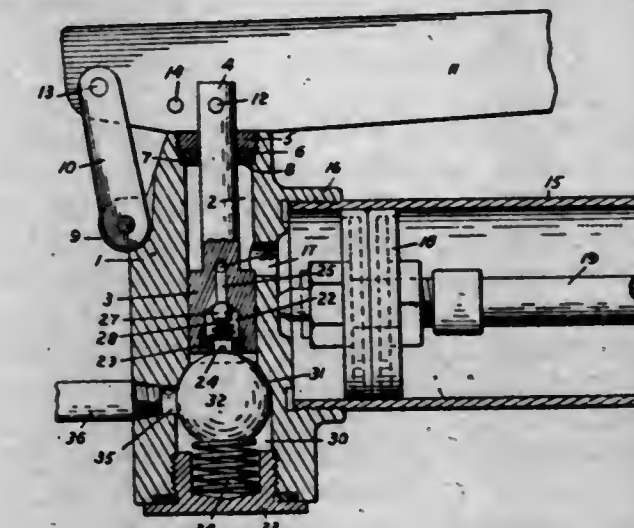
LUBRICATING DEVICE

George R. Eitner, Detroit, Mich.

Application July 10, 1944, Serial No. 544,303

2 Claims. (Cl. 103-178)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a grease gun having a supply receptacle, a body attached to the supply receptacle and hav-

ing a cylinder therein and an enlarged chamber at one end of said cylinder with a valve seat formed between said cylinder and said chamber, a ball valve in said chamber, said ball valve having a larger diameter than said cylinder and adapted to engage said valve seat to close communication between said cylinder and said chamber, a coil spring in said chamber normally urging said ball valve into seating engagement with said valve seat, said body having an exhaust port from said chamber arranged to provide unrestricted communication with said cylinder through said chamber when said ball valve is unseated, said body also having an intake port establishing communication between said cylinder and said supply receptacle, and a piston reciprocable in said cylinder.

2,384,825

METHOD OF SEPARATING QUARTZ SAND FROM PHOSPHATE ROCK

Edward J. Ellis, Bartow, Fla., assignor to Southern Phosphate Corporation, Baltimore, Md., a corporation of Delaware

No Drawing. Application May 13, 1938,

Serial No. 207,848

13 Claims. (Cl. 209—3)

1. A method of beneficiating phosphate ore by flotation of a silica containing concentrate therefrom which comprises subjecting phosphate rock to a preliminary desliming operation to separate primary slime, polishing the deslimed material to remove the secondary slime forming the surfaces of the phosphate particles, desliming the polished material and subjecting this deslimed material to froth flotation in the presence of a promoter for silica.

2,384,826

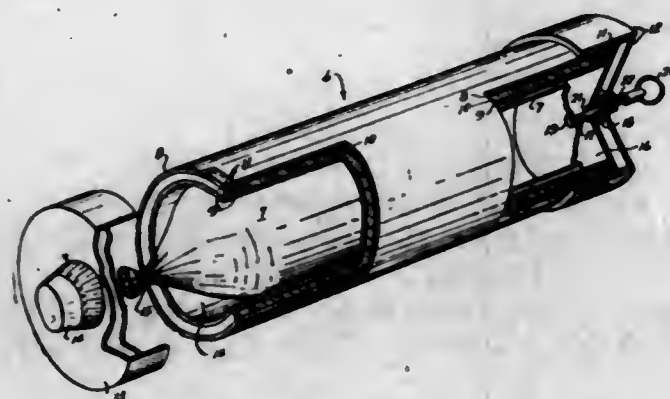
PORTABLE SAFE

Ralph M. Ferguson, Dayton, Ohio

Application September 22, 1944, Serial No. 555,383

4 Claims. (Cl. 109—25)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A safe composed of a housing having an openable closure member thereon, a container in the housing for receiving confidential papers therein, a chamber provided between the exterior of the container and the interior of the housing to receive a medium capable of destroying the papers, said container being of a material capable of resisting the destructive action of said medium, and rupturing means including a stem having its inner end secured in the container and being readily operable from the exterior of the housing, whereby to pull said stem and the attached part of the container and rupture the latter to admit said medium thereinto for destroying the papers.

2,384,827

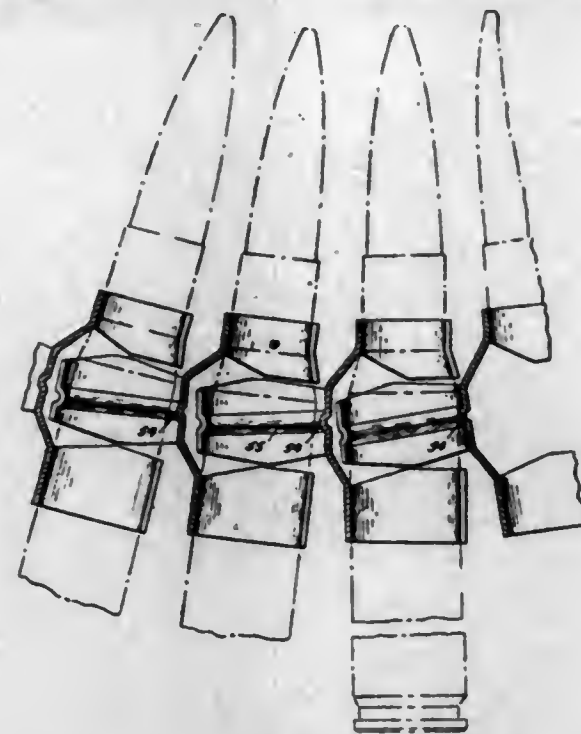
METALLIC CARTRIDGE BELT LINK

Douglas O. Fuchs, Rock Island, Ill.

Application February 23, 1943, Serial No. 476,858

6 Claims. (Cl. 89—35)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A cartridge belt link comprising a body portion, a pair of spaced coaxial cartridge gripping loops extending from said body portion at one side thereof, an integral hinge loop axially parallel to said gripping loops and extending in the opposite direction from said body portion in alignment with the space between said spaced gripping loops, the inside diameter of said hinge loop being substantially larger than the diameter of the associated cartridge case, and a generally arcuate interior rib means disposed on the inside of said hinge loop and having an inside diameter substantially the same as the diameter of the associated cartridge case, whereby the latter may rock between limits relative to said hinge loop.

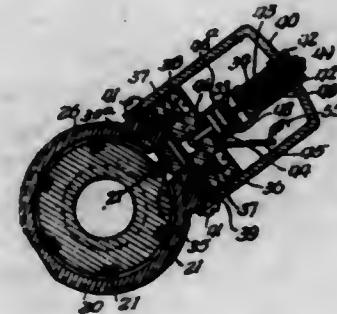
2,384,828

IGNITION BREAKER

Howard L. Fuston, Oak Park, Ill.

Application December 30, 1941, Serial No. 424,915

10 Claims. (Cl. 200—30)



7. In an ignition breaker, a cam member, a collar extending around the cam having a radial bore, a contact maker slidable in the bore, a yoke extending outwardly from the collar having an outer bearing for the contact maker, a transverse opening through the contact maker, an insulating crosspiece secured to the collar and extending through the contact maker opening, a fixed contact on the crosspiece, a movable contact on the contact maker, and resilient means between the contact maker and the yoke tending to keep the fixed and movable contacts together.

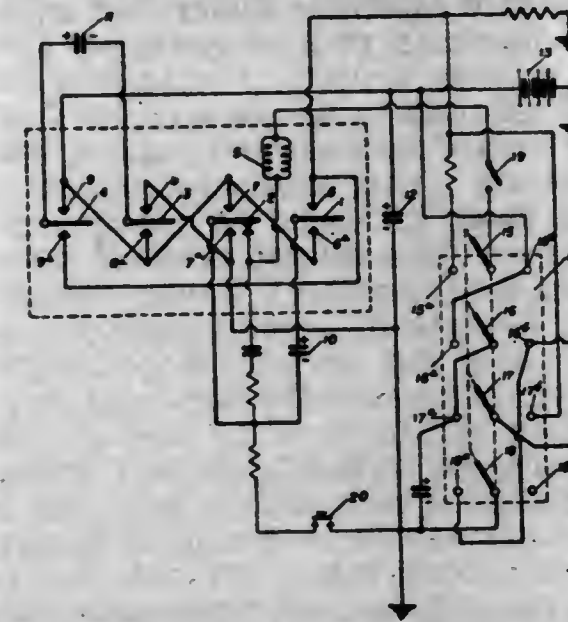
2,384,829

VOLTAGE CHANGING CIRCUIT

William W. Garstang, Indianapolis, Ind., assignor to Electronic Laboratories, Incorporated, Indianapolis, Ind., a corporation of Indiana

Application April 12, 1943, Serial No. 482,735

10 Claims. (Cl. 171—97)



10. A voltage modifying circuit including a pair of positive leads and a common negative lead, a pair of electrical storage units, and means for alternately connecting one of said pair of said storage units between a first positive lead and the common negative lead and the second of said pair of storage units with the other of said positive leads and the common negative lead and for connecting said second of the pair of storage units between said first of the positive leads and the common negative lead and the first of said pair of storage units between the other of said positive leads and said common negative lead.

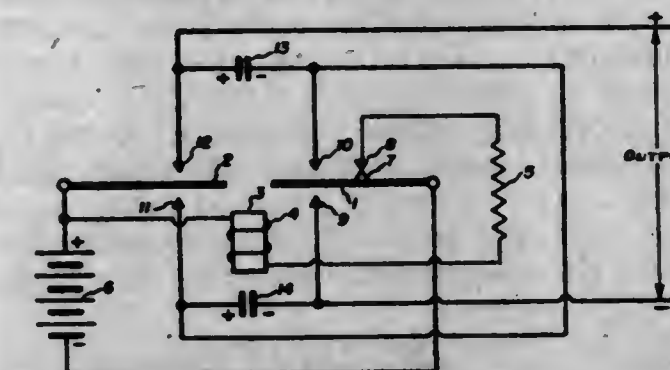
2,384,830

VOLTAGE MODIFYING CIRCUIT

William W. Garstang, Indianapolis, Ind., assignor to Electronic Laboratories, Incorporated, Indianapolis, Ind., a corporation of Indiana

Application April 12, 1943, Serial No. 482,736

6 Claims. (Cl. 171—97)



5. In combination, two pair of relatively stationary contacts, a capacitor connected between each pair, a pair of movable contact members cooperating with said stationary contacts and connected with a source of supply and engaging said stationary contacts to connect said capacitors in parallel with said source, two additional pair of relatively stationary contacts and an additional pair of movable contacts adapted to alternately engage said stationary contacts, a capacitor connected between each of said second pair of contacts and connected in parallel with said source of power when said second-mentioned pair of movable contacts engages said second-mentioned pair of stationary contacts, a common output lead to which all of said capacitors are connected in series and a plurality of output leads, one connected to two of said capacitors in series, another connected to three of said capacitors in series and a third connected to all of said

capacitors in series, said capacitors discharging in series to said output leads when the movable contacts are in a neutral position and being charged when said movable contacts are engaging said stationary contacts to connect said capacitors in parallel with the source of power.

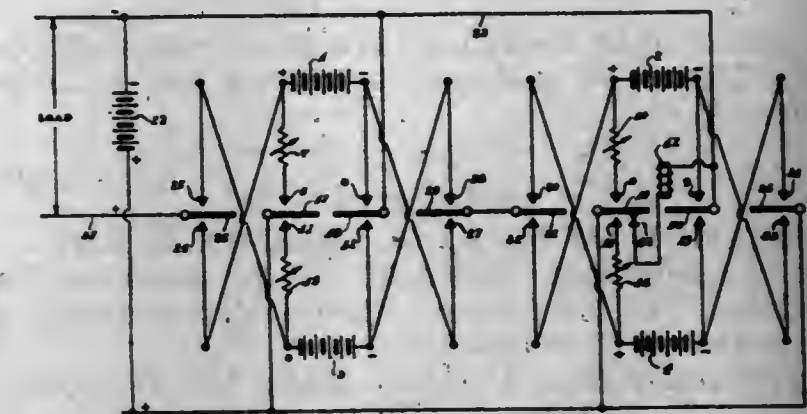
2,384,831

VOLTAGE MULTIPLIER

William W. Garstang, Indianapolis, Ind., assignor to Electronic Laboratories, Incorporated, Indianapolis, Ind., a corporation of Indiana

Application May 28, 1943, Serial No. 488,810

14 Claims. (Cl. 171—97)



14. A voltage modifying system comprising, in combination, a plurality of units each comprising a pair of contacts, an electrical storage unit connected between said pair, a second pair of contacts oppositely disposed with respect to the first pair, an electrical storage unit connected between said second pair, a vibrating contact operating between two opposed contacts of said first and second pair and connected to one side of a source of supply, a vibrating contact operating between the other two opposed contacts of said first and second pair and connected to another side of a source of supply, a third pair of contacts oppositely disposed to said first pair and having said first-mentioned electrical storage unit connected therebetween, a fourth pair of contacts oppositely disposed relatively to said second pair of contacts and having said second electrical storage unit connected therebetween, a vibrating contact operating between two opposed contacts of said third and fourth mentioned pair and adapted for connection to the load, and another vibrating contact operating between the other contacts of said third and fourth pair and connected to a vibrating contact of the next succeeding unit which corresponds to said third mentioned vibrating contact and the vibrating contact of the last unit corresponding to the fourth mentioned vibrating contact being adapted for connection to the load.

2,384,832

FIRING RATE REDUCER

Carl W. Gilligan, East Longmeadow, Mass.

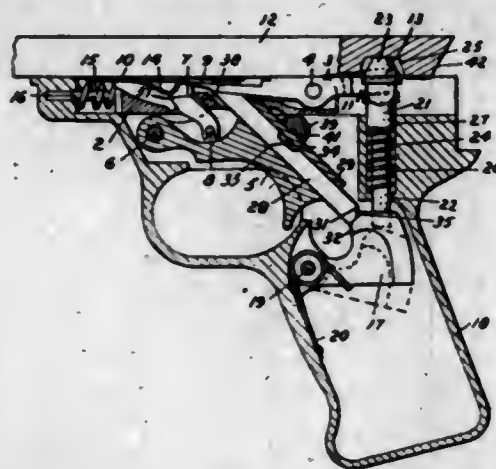
Application April 8, 1944, Serial No. 530,081

5 Claims. (Cl. 89—27)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a firearm having a reciprocating slide and a pivoted sear engageable therewith, in combination, a pivoted inertia member, a spring pressed plunger arranged in the recoil path of the slide, cooperating cam surfaces on said slide and said plunger constructed to force said plunger axially by recoil movement of the slide, said inertia member having a portion disposed in the path of said plunger whereby a rotational force is imparted to said inertia member, resilient means opposing said rotation, and a disconnecting member having

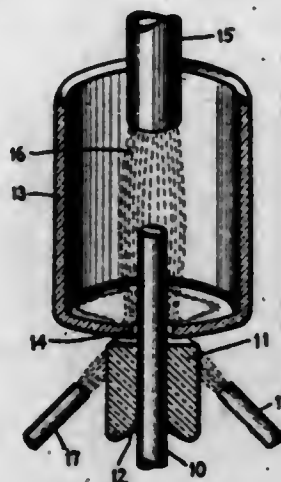
one end engageable by said inertia member during the return movement thereof and the other



end arranged to disconnect the sear from the slide by the impact of said inertia member on said disconnector.

2,384,833

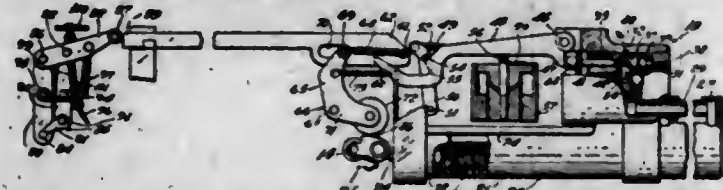
METHOD OF MAKING LEAD-IN SEALS
Lynn C. Goodale, Newark, N. J., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application May 27, 1942, Serial No. 444,665
5 Claims. (Cl. 49-81)



1. The method of sealing a previously glass beaded rod through an aperture in a glass plate, comprising making an aperture in said glass plate larger than the cross section of the rod but smaller than that of the bead, positioning said rod substantially vertically through said aperture with the top of the glass bead slightly below and spaced from said aperture, and applying heat to said plate on the side away from said bead to soften the glass about said aperture so that it will drop onto and seal to said bead.

2,384,834

MACHINE GUN CHARGER
Harry C. Grant, Jr., New York, N. Y., and William A. V. Thomsen, Glen Ridge, N. J., assignors to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application April 10, 1942, Serial No. 438,412
17 Claims. (Cl. 89-1)



1. In a gun charger for a machine gun having a reciprocating member adapted to be moved rearwardly by the recoil of the gun and adapted to be moved forwardly by spring means, the combination of: a pressure operated ram adapted to engage the reciprocating member and move it rearwardly; a pivotally mounted latching finger adapted to be located adjacent the reciprocating

member when the reciprocating member is in rearward position and adapted to engage and retain the reciprocating member in its rearward position; a pivotally mounted lever adjacent said latching finger; a link pivotally connected to said lever and to said latching finger and having a projection thereon; a bumper pivotally mounted intermediate said latching finger and said lever, said bumper having a portion engaging said projection and having a portion extending into the path of and adapted to be engaged by said ram; a spring for urging said bumper against said projection; a second spring connected to said bumper and said lever arranged to move said lever from one position to a second position when said ram engages said bumper; a bar member for latching said lever in its second position, said bar member having a slot therein; a bell crank pivotally mounted adjacent said ram, said bell crank having an arm arranged to be engaged by said ram when operated to rock said bell crank, said bell crank having a second arm provided with a projection positioned in said slot; a spring connected to said second bell crank arm and to said bar member for moving said bar member into lever latching position; and a spring connected to said second bell crank arm for urging said first bell crank arm into the path of said ram and for effecting movement of said bar member to unlatch said lever when said first bell crank arm is disengaged by said ram.

2,384,835

PRODUCTION OF METALLIC MAGNESIUM
Joseph D. Hanawalt and T. Melville Hess, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 2, 1942, Serial No. 433,010
1 Claim. (Cl. 204-70)

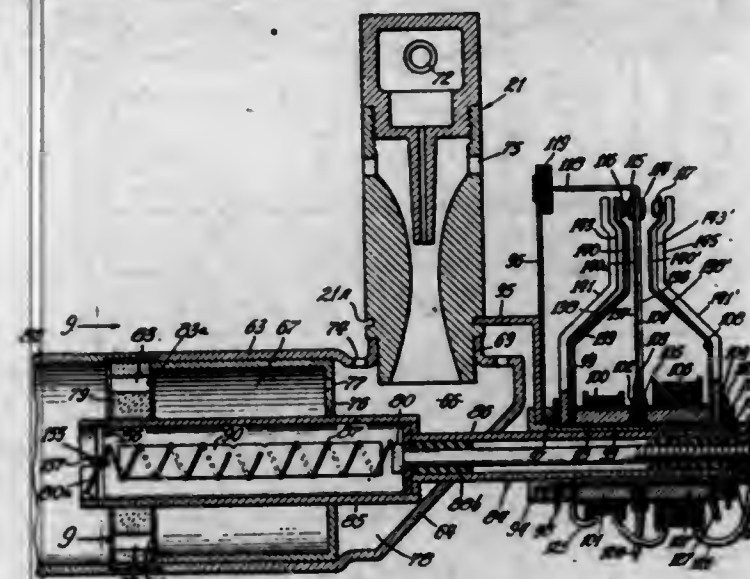
In a process of making metallic magnesium by the electrolysis in a ferrous metal vessel of a fused salt bath essentially comprising magnesium chloride and being substantially free of manganese salts and adapted to yield magnesium in electrolysis, the method of insuring production of substantially iron-free magnesium which comprises introducing into the vessel together with the magnesium chloride a compound selected from the class consisting of boric acid and its alkali- and alkaline-earth-metal salts, in a proportion corresponding to between about 0.002 per cent and about 0.03 by weight of boron relative to the magnesium chloride introduced.

2,384,836

HEATER
Harry B. Holthouse, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application February 26, 1941, Serial No. 380,717
6 Claims. (Cl. 158-28)

1. In a heater of internal combustion type having a combustion chamber with an inlet, a fuel conditioning unit located at said inlet and having an air and fuel mixing chamber and an equalizing chamber therein, with said latter chamber being arranged between the inlet of said combustion chamber and said mixing chamber, perforated partition members at each end of said equalizing chamber, a combination heating and igniting unit supported in said partition members and having a heating portion in said mixing and equalizing chambers and an igniting portion near the inlet of said combustion chamber, said heat-

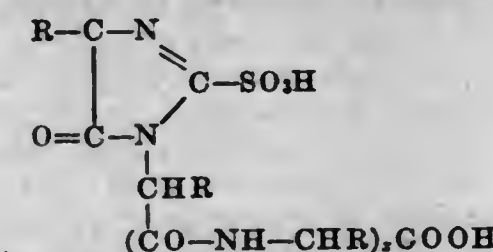
ing unit being adapted to cause the fuel in said mixing chamber to be heated to a vaporizing temperature for mixing with said air so that substantially all of the mixture is in a vaporous form when it passes into said equalizing chamber, whereby the heat in said equalizing chamber retains said mixture in its vaporous form, and



means for carrying a portion of the mixture from said equalizing chamber to the igniting portion of said combination unit, whereby the mixture from said latter means is ignited by said igniting portion to initiate burning of the remainder of the mixture passing from said equalizing chamber into said combustion chamber.

2,384,837

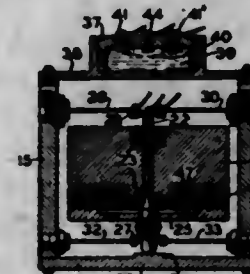
SULPHONIC ACIDS OF THE 5-OXO IMIDAZOLINE SERIES
Oskar Huppert, Chicago, Ill.
No Drawing. Application March 3, 1941, Serial No. 381,545
10 Claims. (Cl. 8-127.5)



in which R is a group selected from the class consisting of hydrogen atoms, aliphatic, aliphatic aromatic and heterocyclic radicals found in amino acids and x is a member from 0 to 287, (2) salts thereof, and (3) esters thereof.

2,384,838

GYRO INSTRUMENT
Spencer Kellogg, 2d, Glen Head, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application March 25, 1943, Serial No. 480,556
16 Claims. (Cl. 74-5)

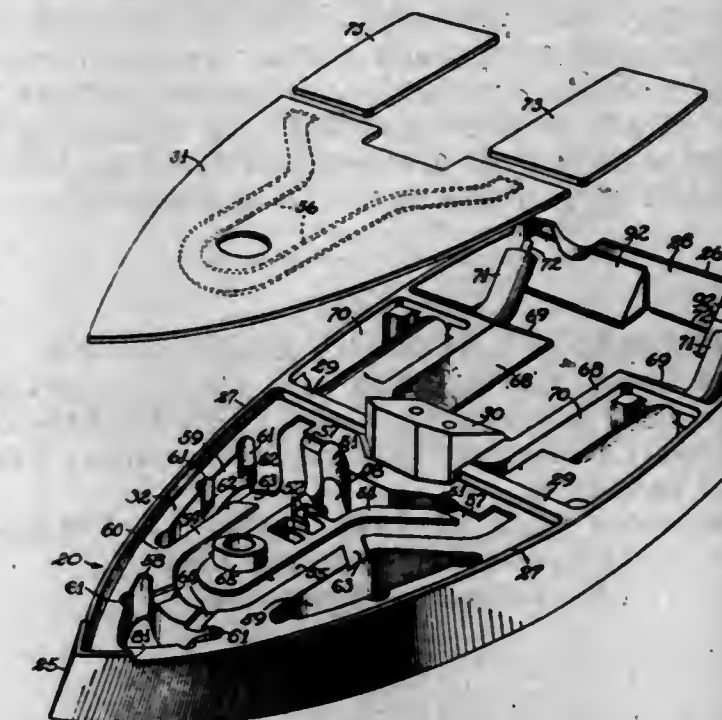


1. A gyro instrument having a rotor frame which, together with its supported parts, is normally balanced about one of its axes of support, a displaceably positioned rotor part mounted in

said frame, and means operable to relatively displace the rotor and frame to obtain a torque exerting unbalance of the frame with reference to the axis of support about which it is normally balanced.

2,384,839

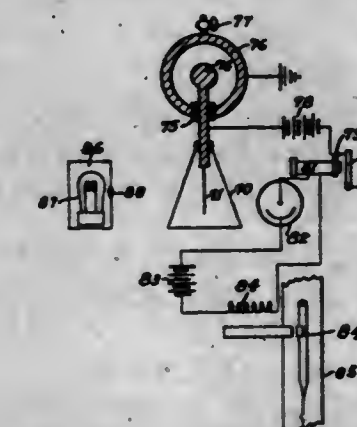
STEAM-ELECTRIC PRESSING AND IRONING DEVICE
Merrill M. Kistner, Chicago, Ill.
Application June 5, 1940, Serial No. 338,962
16 Claims. (Cl. 38-77)



1. In an iron of the character described, a shoe assembly having, in combination, an ironing plate, a heating means on the upper surface of said plate thermally united therewith, said means projecting above said surface and having lateral inner and outer thermal faces and an upper thermal face, and means secured to said plate providing steam flow passages connected in substantially end to end relation and defined in part by said thermal faces.

2,384,840

RADIOACTIVE WELL LOGGING METHOD AND APPARATUS
Shelley Krasnow, New York, N. Y., and Leon F. Curtiss, Montgomery County, Md., assignors to Geophysical Development Corporation, Washington, D. C., a corporation of Delaware
Original application April 16, 1937, Serial No. 137,380. Divided and this application October 20, 1941, Serial No. 415,826
4 Claims. (Cl. 250-83.6)



1. Apparatus for radioactive investigation of drill holes comprising a holder having narrow lateral dimensions and adapted to be inserted in the drill hole, an ionization chamber mounted upon the said holder, the said ionization chamber having means to admit gas within the chamber and to permit closure after the gas has been introduced, means to charge the elements of the

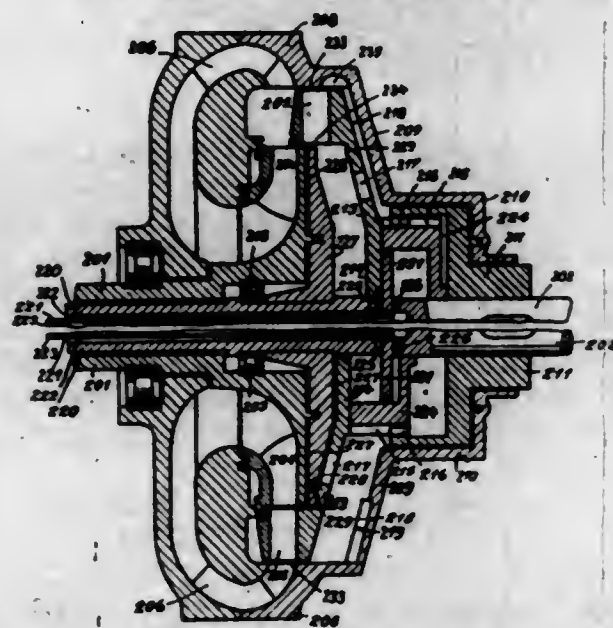
ionization chamber, thereby obtaining a current whose value is dependent upon the intensity of radioactivity in the vicinity, a magnetically operated switch mounted proximate to the ionization chamber, adapted to give a series of impulses, the characteristics of the impulses being determined by the rate of dissipation of the charge in the ionization chamber, transmitting means connected to the magnetically operated switch, serving to transmit impulses therefrom to the surface of the earth, means to measure the position of the holder in the drill hole, recording means at the surface of the earth receiving the said impulses, the said recording means including a marking member to mark a record, a record chart to receive the said record, and means to move the record chart while recording is taking place whereby a record of the radioactivity as related to position within the borehole is obtained.

2,384,841

HYDRAULIC TORQUE CONVERTER

Richard Lang, Ravensburg, and Jürgen von Fahl-land and Hermann Gros, Friedrichshafen, Bodensee, Germany; vested in the Allen Property Custodian

Application June 18, 1941, Serial No. 398,686
In Germany June 18, 1940
3 Claims. (Cl. 60-54)



1. A hydraulic torque converter comprising a pump wheel, a turbine wheel, a guide wheel, means for shifting the turbine wheel out of the hydraulic circuit, a casing around said converter and blades inside on the wall of said casing near the position of the disengaged turbine wheel and adapted to brake the speed of the fluid rotating with said turbine wheel.

2,384,842

DRAWER

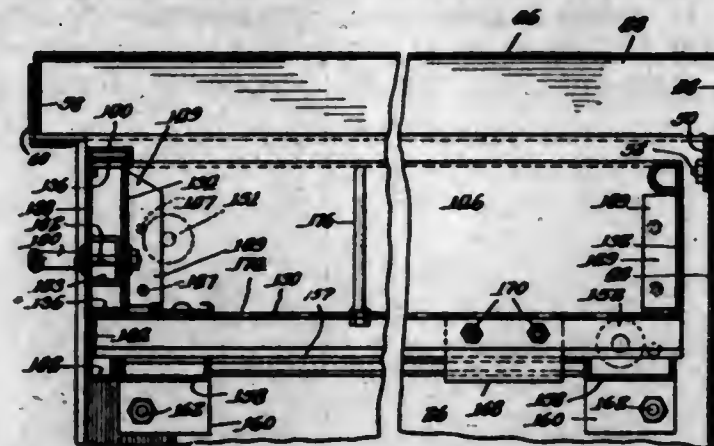
Felix F. Loeb, Chicago, and James E. Bales, Aurora, Ill., assignors to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois

Original application October 14, 1938, Serial No. 234,868. Divided and this application January 27, 1941, Serial No. 376,146

6 Claims. (Cl. 45-7)

3. A drawer comprising a rear and two sides, a front and a bottom, said bottom at its front edge having a vertically depending flange, said front being composed of inner and outer spaced sheet metal members the outer one having a downward extension contactingly overlying the vertical depending flange of said bottom and welded thereto, said downward extension of said outer front member projecting substantially below the bottom edge of said bottom depending

flange and thence extending at right angles inwardly and thence vertically upwardly to provide a depending, reinforced, more or less resilient stop member to limit the inward movement



of the drawer, said sides having inwardly extending flanges at their bottoms which contact said upwardly bent portion of said depending flange of said front.

2,384,843

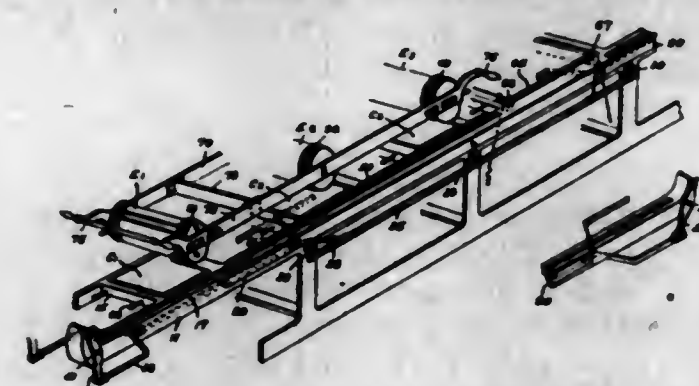
PRINTING

James Moore Lowe, Valleyfield, Quebec, Canada

Application May 15, 1943, Serial No. 487,167

In Canada March 25, 1943

9 Claims. (Cl. 101-135)



1. A method of lithographically printing a fabric web in a number of different colours, comprising the steps of, applying to several non-continuous offset printing rollers aligned in a substantially horizontal plane respective impressions to appear register in a pattern, positioning a portion of a fabric web in a horizontal plane parallel to the direction of travel of said rollers, causing relative movement between said rollers and said web whereby said impressions are transferred thereto in register to print a repeat, moving said web forward to a position for printing another repeat, and again passing said rollers over the web to apply a further such repeat thereto in register with the first repeat, and so on whereby the web has applied to it a plurality of registering repeats.

2. A lithographic printing mechanism, comprising in combination, an elongated printing bed, several impression plates carried by said bed, a flat support carried by said bed for positioning a web of fabric for printing, said plates and said support being in a substantially horizontal plane, a carriage adapted to move across said bed over said plates, several printing rollers carried by said carriage and held thereby in fixed spaced apart relationship, each roller adapted to receive an impression from one of said plates, fabric feeding means associated with said fabric positioning means adapted to feed a web of fabric into position for printing, a rack on said bed and an annular toothed portion on each of said rollers adapted always to engage said rack whereby the rollers are rotated in synchrony when the carriage is moved relatively to the bed, an annular track on each roller and horizontal tracks on said bed causing each roller on the positive run of the carriage to contact its respective impres-

sion plate and to clear the other impression plates, shift means operable by the movement of said carriage causing said rollers on the return run to be lifted clear of said fabric positioning means engageable by the carriage and all said impression beds, means operable by the movement thereof to cause said feeding means to move the fabric forward to a predetermined extent between each positive run of the carriage.

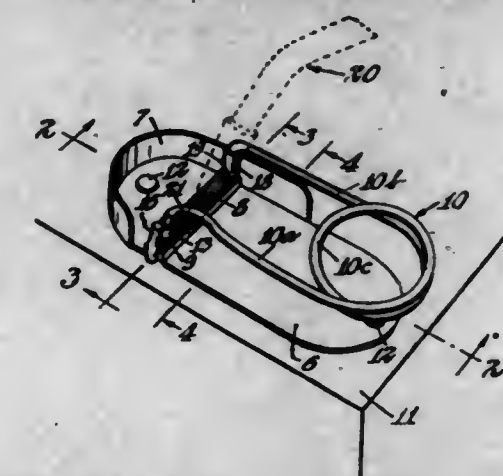
2,384,844

GAS TORCH LIGHTER

Oscar V. Malmquist, Minneapolis, Minn.

Application September 3, 1943, Serial No. 501,060

4 Claims. (Cl. 67-6.1)



1. A lighter of the kind described comprising a substantially flat base element adapted to be secured to a suitable base of support, a lighter file extending transversely across said base, a flint carrying spring comprising connected opposite legs overlying the base, a flint carried by the end of one leg of said spring flint carrier and overlying the file, the other leg of the said spring flint carrier being formed to provide downwardly, transversely, and upwardly extending portions, the said transversely extending portion extending under said base element directly beneath the file, and said downwardly and upwardly extending portions engaging opposite edges of the base portion and exerting squeezing pressure on the opposite ends of the file, whereby to anchor the spring flint holder and file to the base.

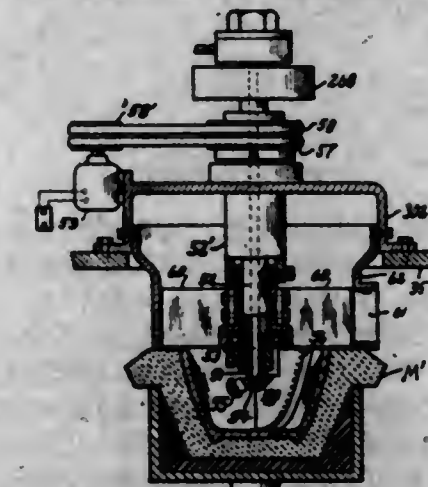
2,384,845

METHOD AND APPARATUS FOR JIGGERING POTTERY WARE

William J. Miller, Swissvale, Pa., assignor to Miller Pottery Engineering Company, Swissvale, Pa., a corporation of Pennsylvania

Application January 29, 1944, Serial No. 520,274

21 Claims. (Cl. 25-26)



1. The method which comprises, jiggering plastic material in proximity to a high velocity, spirally moving stream of fluid carrying away the scrap clay and applying lubricant to the ware from a position below the level of the stream of fluid.

2,384,846

RESINOUS MATERIAL AND PROCESS OF MAKING

Charles G. Moore, River Forest, Ill., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application November 8, 1941,

Serial No. 418,383

3 Claims. (Cl. 260-22)

1. The process which consists in reacting glycerine and fatty acids selected from the class consisting of drying and semi-drying oil fatty acids in substantially equimolecular proportions until a substantially neutral product is formed, and heating the resulting reaction product with substantially an equimolecular quantity of maleic anhydride at a temperature of 250°-300° F. for a time sufficient to reduce the acid number to about 60-80.

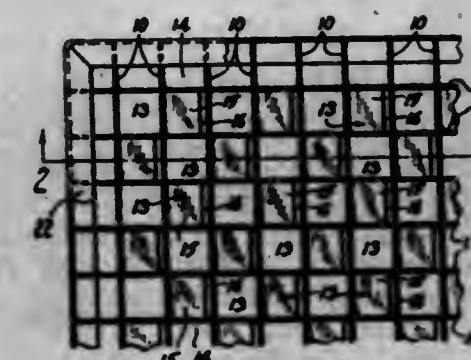
2,384,847

COOKING GRILL

Edward W. Perry, Euclid, Ohio

Application October 13, 1943, Serial No. 506,027

4 Claims. (Cl. 99-450)



1. A grill for cooking over a source of heat comprising spaced intersecting heat resisting members providing a plurality of cells in said grill, a substantial group of said cells being open entirely through the grill, and a substantial group of said cells being approximately closed in a substantially regular pattern over the area of the grill.

2,384,848

DISPERSIONS OF ETHYLENE POLYMERS

Franklin Travis Peters, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 10, 1942,

Serial No. 454,325

7 Claims. (Cl. 260-32)

1. A process for making dispersions of a normally solid polymer from ethylene which comprises dissolving said polymer in an organic solvent boiling between 80° and 175° C. by heating the mixture of polymer and solvent above about 110° C. and then cooling the solution slowly to below 35° C. with rapid and continuous agitation, said solvent being selected from the group consisting of hydrocarbon and chlorinated hydrocarbon solvents.

2,384,849

STRUCTURAL MEMBER

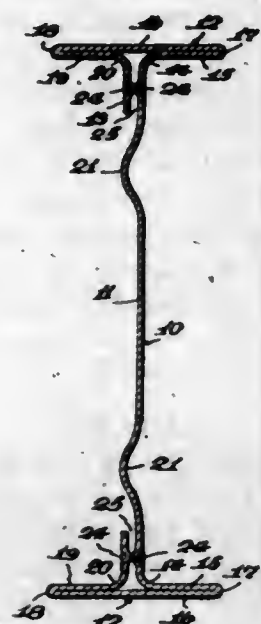
Edmond D. Pierl, Detroit, and John E. Bowen, Grosse Ile, Mich., assignors to National Steel Corporation, a corporation of Delaware

Application June 23, 1943, Serial No. 491,980

4 Claims. (Cl. 189-37)

1. A structural member formed from sheet metal comprising a section presenting a web

member, a head member integral therewith formed by bends in the sheet metal, first at an angle to the web member, then in the reverse direction back on itself in supporting relation to form a bearing surface, then in the same direction back toward the web member, then in a direction to present a nail guiding element

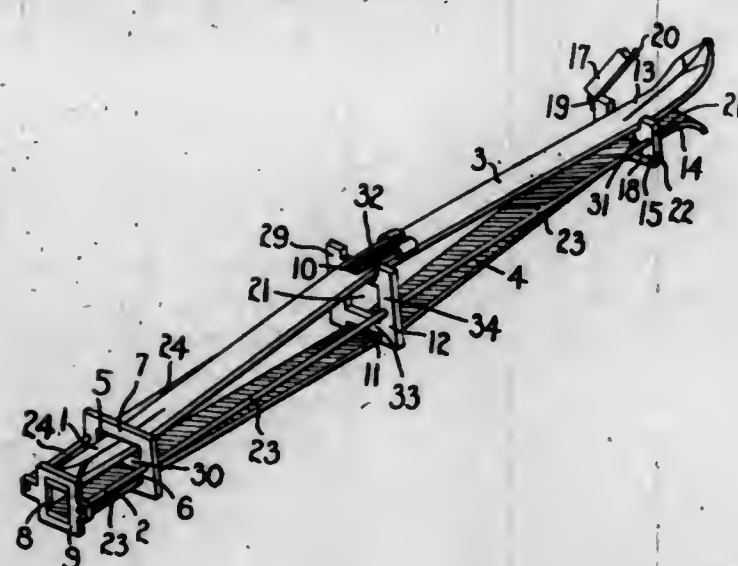


spaced from the web member to form a nailing groove therebetween, means attaching the nail guiding element to the web member at points along the length of the web member spaced from the last described bend, and means acting between the nail guiding element and the web to deform a nail driven into the nailing groove.

2,384,850

SKI PRESS

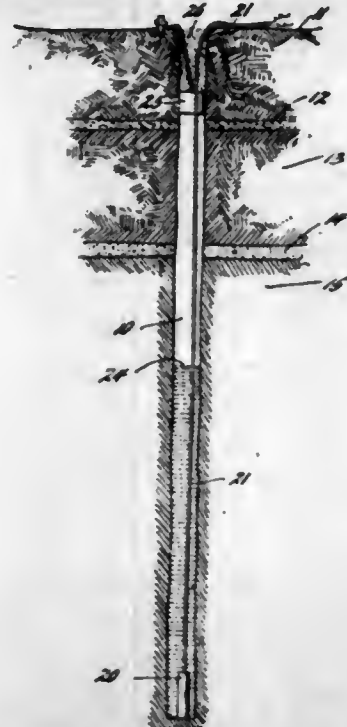
William F. Poor, Swampscott, Mass.
Application April 8, 1944, Serial No. 530,198
2 Claims. (Cl. 280—11.37)



2. A press for a pair of skis, said press comprising: a pair of long parallel rods, spaced apart a distance greater than the width of the skis to be held; a first transverse member near one end of said pair of rods, said member being slotted to allow passage therethrough of the rear ends of a pair of skis; a second transverse member supported at the other end of said pair of rods and slotted to receive the pair of skis near their forward ends; and another transverse member supported between said first and second transverse members and having slots for spacing the middle portion of said skis farther apart than the end portions held by the other transverse members.

2,384,851
METHOD OF SEISMIC SURVEYING
Conrad Reichert, San Antonio, Tex., assignor to Olive S. Petty, San Antonio, Tex.
Application September 21, 1943, Serial No. 503,261
1 Claim. (Cl. 181—0.5)

A method of propagating seismic waves in sub-surface surveys which includes the steps of locating a solid explosive charge and a blasting cap in a shot hole of substantial depth, plugging the hole adjacent the upper end only, so as to leave the major portion of the hole above the charge unobstructed, and firing the cap, whereby ejection of solid material from the hole by the exploding

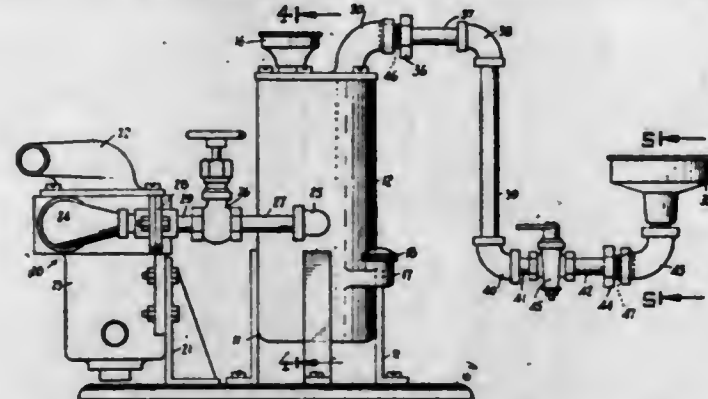


charge is delayed for a period which is at least sufficient to permit the reception and recording of the significant seismic impulses prior to the reception of disturbances resulting from such ejection, and whereby the hole may readily be cleared for the loading therein of another explosive charge.

2,384,852

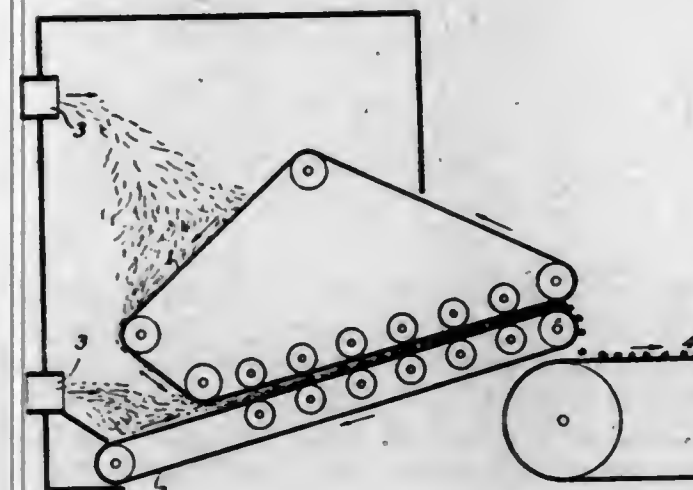
CATALYTIC HEATER

George Philip Schmitt, New York, N. Y., assignor to Cardinal Products Inc., New York, N. Y., a corporation of New York
Application April 23, 1943, Serial No. 484,192
4 Claims. (Cl. 158—96)



1. A catalytic heater comprising a casing, absorbent material to be saturated with vaporizable fuel, contained within said casing, said casing having a fuel inlet and a fuel overflow outlet below said inlet, air supply means connected to said casing between said inlet and said outlet for enabling air to contact with said absorbent material, a holder remotely disposed relative to said casing, a catalyst in said holder, hollow means connecting said holder with said casing and through which fuel charged air may flow from said casing to said catalyst, a valve in said hollow means for controlling said fuel charged air, and spaced-apart perforated members disposed across said hollow means.

2,384,853
PREPARATION OF WOOD PULP CELLULOSE FOR NITRATION
William E. Sillick, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 24, 1943, Serial No. 476,980
5 Claims. (Cl. 260—222)

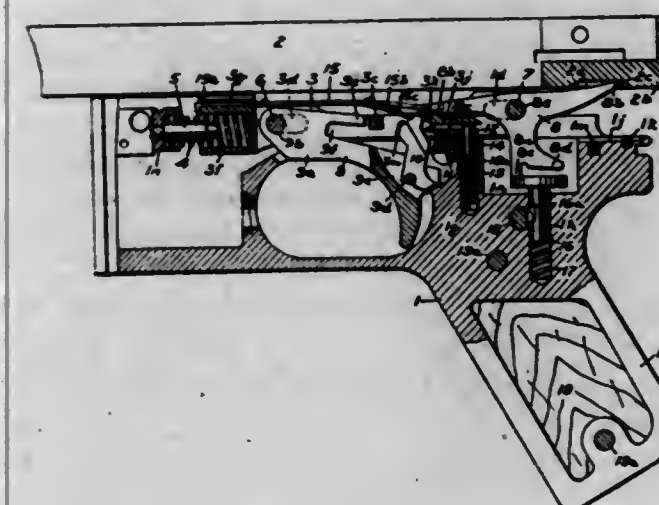


2. A method of preparing cellulose nitrate from wood pulp, which comprises passing dry wood pulp sheet through a disintegrating mill to uniformly, loosely fluff pulp to a bulk value of approximately 1200 units, passing the uniformly, loosely fluffed air-dry pulp thus obtained between surfaces having motion relative to each other, which lightly press upon the pulp, to form the pulp into dry loosely rolled units having a bulk value approximating 700 units and nitrating the dry loosely rolled units thus obtained.

2,384,854

FIRING RATE REDUCER

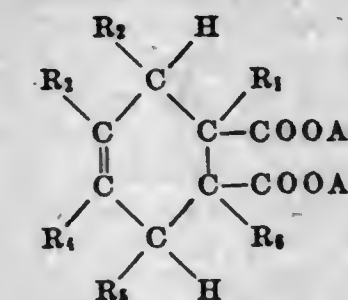
Clarence E. Simpson, Springfield, Mass.
Application January 23, 1943, Serial No. 473,299
15 Claims. (Cl. 89—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an automatic firearm having a receiver and a reciprocating breech member, a sear arranged to engage the breech member on its forward stroke, means mounting said sear to said receiver permitting limited linear movement of the sear with respect to the receiver; resilient means arranged to be stressed by forward linear movement of the sear under impact of the breech member engagement and means engageable by said sear on rearward movement thereof under the bias of said resilient means for disengaging said sear from said breech member.

578 O. G.—22

2,384,855
CHEMICAL PROCESS AND PRODUCT
Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvements Company, a corporation of Pennsylvania
No Drawing. Application January 1, 1942, Serial No. 425,342
17 Claims. (Cl. 106—181)
1. As a new composition of matter, an ester having the following formula:

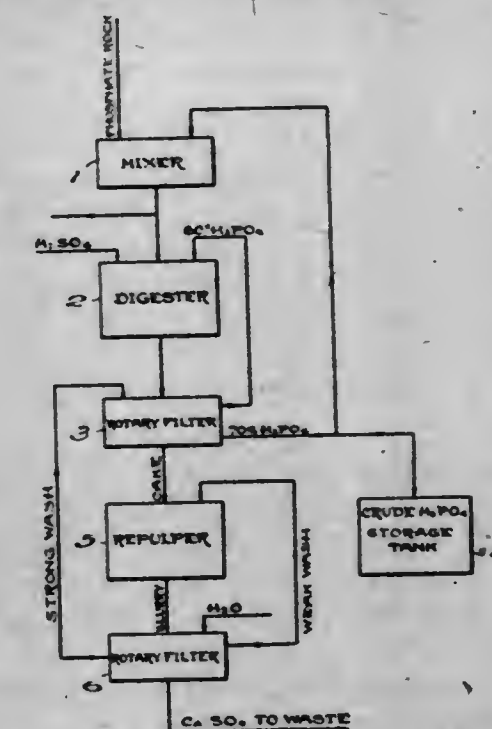


in which one of the group consisting of R₁, R₂, R₃, R₄, R₅ and R₆ is a methyl group, the remainder being hydrogen atoms; A₁ represents one of a group consisting of alkyl, substituted alkyl, aryl, substituted aryl, alkyl-aryl, substituted alkyl-aryl, aryl-alkyl, and substituted aryl-alkyl groups; and A₂ represents one of a group consisting of hydrogen, alkyl, substituted alkyl, aryl, substituted aryl, alkyl-aryl, substituted alkyl-aryl, aryl-alkyl, and substituted aryl-alkyl groups; and at least one of a group consisting of cellulosic ethers, cellulosic esters, natural resins, and synthetic resins.

2,384,856

MANUFACTURE OF CRUDE PHOSPHORIC ACID

Hugh S. Ten Eyck and John Chocholak, North Plainfield, and John H. Coleman, Plainfield, N. J., assignors to Southern Phosphate Corporation, New York, N. Y., a corporation of Delaware
Application July 9, 1942, Serial No. 450,310
6 Claims. (Cl. 23—165)



6. The method of producing phosphoric acid which comprises mixing a calcium phosphate with a phosphoric acid of high concentration in an amount such that the resulting mixture has a CaO to P₂O₅ ratio less than 1:1 but not less than 1:2, permitting the reaction between the calcium phosphate and phosphoric acid to go substantially to completion while the mixture is maintained at a temperature below that at which calcium metaphosphate will form but sufficiently high to eliminate a portion of the water present, intimately mixing the product of the reaction,

while it still is wet and contains a substantial portion of the water originally present, with phosphoric acid to form calcium phosphate in solution in phosphoric acid, reacting the calcium phosphate in solution in phosphoric acid with sulfuric acid to form phosphoric acid and to precipitate from the solution calcium present as calcium sulfate, whereby the sulfuric acid does not react with the product of the reaction between the calcium phosphate and the phosphoric acid in solid form with resultant formation of a coating of insoluble precipitate of calcium sulfate on the particles thereof, which would impede further reaction of the sulfuric acid with the particles, the amount of water eliminated during the reaction between the calcium phosphate and phosphoric acid being such that upon said subsequent reaction with sulfuric acid, phosphoric acid having a concentration of the order of 70% is obtained, filtering the product of the reaction with sulfuric acid to remove calcium sulfate from the phosphoric acid, washing the filtered calcium sulfate with water to remove entrained phosphoric acid and to produce a dilute phosphoric acid, and returning said dilute phosphoric acid for dissolving said product of the reaction between the calcium phosphate and phosphoric acid.

2,384,857

PRINTING APPARATUS AND METHOD OF PREPARING AND USING THE SAME

Bennett F. Terry, Stamford, Conn.
Application April 30, 1941, Serial No. 391,101
4 Claims. (Cl. 95-5.4)



1. The herein described method of producing a plate for ink and dye printing, which includes the step of providing a carrier with a toothed or grained surface, the further step of applying a thin film of photo-sensitive silver emulsion to said surface, whereby the outer surface of this emulsion substantially conforms to the tooth or grain on said carrier, the step of producing an image on said plate by exposure to light, the steps of developing, fixing, and washing said plate, and the step of subjecting said developed and fixed plate to the action of a tanning solution for hardening the developed image and making it receptive to greasy ink, the unexposed portions of the plate being adapted to receive and be uniformly wet by aqueous repellents.

2,384,858

TEMPERATURE CONTROL OF CONTACTING REACTIONS

Clarence H. Thayer, Media, and Raymond C. Leach, Swarthmore, Pa., assignors of one-half to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey, and one-half to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application December 6, 1941, Serial No. 421,916
3 Claims. (Cl. 252-242)

3. Method of removing heat from a zone of contact material wherein an exothermic regeneration reaction is being carried out which comprises circulating a vapor within said zone in indirect heat exchange relation with the contact material through inner and outer concentrically disposed channels at the desired temperature and pressure to remove heat from the contact material by superheating the vapor, varying the velocity of the vapor between the inlet and outlet of the outer channel so as to maintain the tem-

perature of the contact material substantially constant lengthwise of the outer channel, removing the superheated vapor from the reaction zone and desuperheating the same by contacting it with a liquid having substantially the same chemical composition, adjusting the temperature of

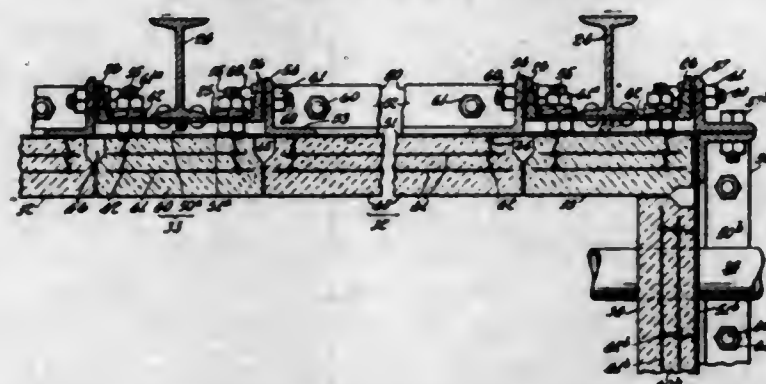


the desuperheated vapor by adding superheated vapors thereto, removing excess vapor which was formed during the desuperheating step, compressing and returning the balance of the vapor at the desired temperature and pressure to the exothermic reaction zone and cyclically repeating the operation.

2,384,859

HEAT-RESISTING WALL CONSTRUCTION

Howard C. Thayer, Jersey City, N. J., assignor to Quigley Company, Inc., New York, N. Y., a corporation of New York
Application February 15, 1939, Serial No. 256,609
8 Claims. (Cl. 72-101)



6. In a plastic facing slab having a reinforcing system consisting of at least one layer of mesh and a distributed plurality of posts; a construction of post consisting of a piece of bendable material formed with an upstanding shank portion, and with at least one lateral extending from the shank and forming a support upon which may be positioned a mesh layer, and above said lateral at least one wing extending laterally outwardly from the shank in position to overlie a mesh supported on said lateral, and said wing being adapted to be first infolded adjacent to the shank to pass through a mesh before being unfolded to overlie such mesh and confine it upon the lateral.

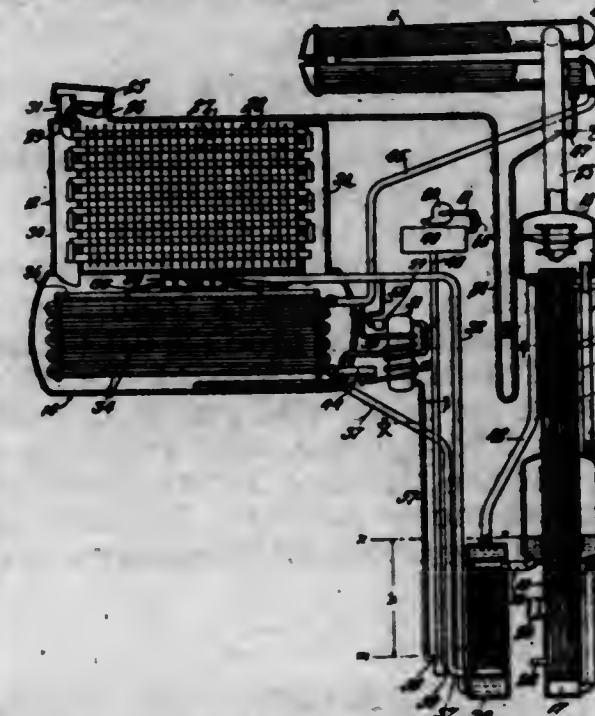
2,384,860

REFRIGERATION

Albert R. Thomas, deceased, late of Evansville, Ind., by the National City Bank of Evansville, Ind., administrator, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application April 1, 1943, Serial No. 481,442
16 Claims. (Cl. 62-119)

3. An absorption refrigeration system having a generator and condenser operable at one pressure and an evaporator and absorber operable at a lower pressure, means interconnecting the elements to provide a closed circuit for the circulation of a refrigerant and absorbent and main-

tain the pressure differential, said last named means providing separate paths of flow between the generator and absorber for absorption liquid weak in refrigerant and absorption liquid strong in refrigerant, a bypass connected between the

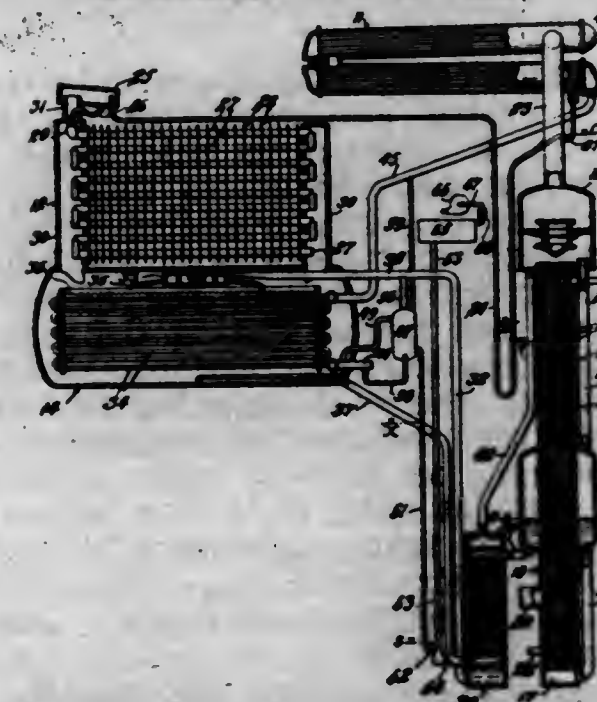


separate paths of flow to cause a flow of absorption liquid therebetween, and means in the bypass utilizing the flow of absorption liquid therein for withdrawing non-condensable gases from the system and storing the gases.

2,384,861

REFRIGERATION

Charles Alfred Roswell, Newburgh, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application April 2, 1943, Serial No. 481,519
12 Claims. (Cl. 62-119)

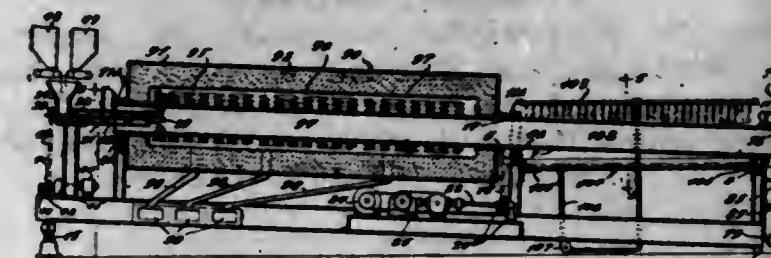


1. A refrigeration system operable below atmospheric pressure and comprising a plurality of parts including a first absorber interconnected for circulation of absorption liquid and refrigerant, and means including an auxiliary absorber for withdrawing non-condensable gases from said first absorber, said auxiliary absorber comprising a casing providing a chamber within which is disposed an upright annular member, a helical member fitting snugly about said annular member in direct contact therewith and extending lengthwise thereof, and means to flow absorption liquid onto an upper part of said helical member, said annular member and helical member forming a path of flow for absorption liquid in which liquid descends from one turn of said helical member onto a part of said annular wall and from the latter onto the next successively lower turn of said helical member, so that fresh

2,384,862

ORE REDUCTION APPARATUS

Elmer M. Wanamaker, Knoxville, Tenn., Robert H. Cromwell, East Orange, N. J., and Harold L. Chamberlain, Knoxville, Tenn., assignors to Electro Manganese Corporation, Knoxville, Tenn., a corporation of Delaware
Original application August 4, 1943, Serial No. 497,352. Divided and this application April 19, 1944, Serial No. 532,020
15 Claims. (Cl. 266-18)

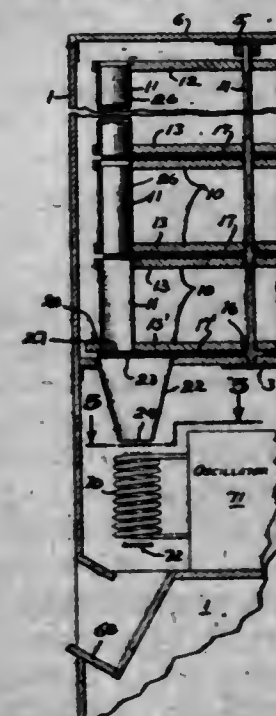


1. Apparatus adapted for the reduction of manganese ores with carbon comprising an elongated heating conduit having a substantially horizontal straight line axis, a feed end and a discharge end; said feed end having orifice means providing a restricted flow of gas from the inside to the outside of said conduit; means at the feed end, adapted to feed a mixture of ore and carbon into said heating conduit; means to advance said ore through said conduit from the feed end to the discharge end; means to maintain a predetermined portion of said conduit extending from the feed end toward the discharge end at a predetermined temperature; means to cool a predetermined portion of said conduit extending from the discharge end toward the portion provided with heating means; a receptacle, connected to the discharge end of the conduit, to receive reduced ore; means to maintain said discharge end and receptacle in a substantially gas-tight condition; and means at the feed end of said conduit to receive gas generated in said conduit and vented through said orifice means.

2,384,863

DISPENSING AND VENDING SYSTEM

Harry C. Warner, San Francisco, Calif., assignor to American Inventions, Inc., San Francisco, Calif., a corporation of California
Application September 24, 1941, Serial No. 412,199
4 Claims. (Cl. 99-358)



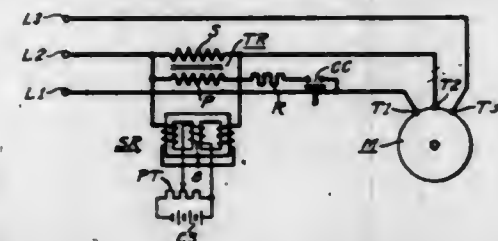
1. In a storage machine for individually dispensing a uniformly packaged food item, a plural-

ity of holders for individually packaged food items, a discharge chute, means for serially discharging said items along a predetermined path to said discharge chute, an electrically conductive coil disposed with its longitudinal axis along said path, said coil being of a diameter sufficient to permit passage of one of such items there-through at a time, means for developing high frequency electrical energy in said coil, and means for blocking movement of such item within said coil, said blocking means being held in blocking position during energization of said coil while heating the food.

2,384,864

CONTROL SYSTEM FOR ALTERNATING CURRENT DRIVES

William R. Wickerham, Swissvale, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 9, 1944, Serial No. 525,628
17 Claims. (Cl. 172—152)

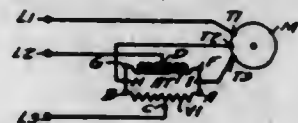


17. A motor control system, comprising an alternating current motor having primary terminals, multiphase current supply means connected to said motor, reactor means of controllable saturation disposed in one phase of said supply means for unbalancing, when operative, the motor voltage within the phase sequence of the supply voltage of said supply means, a resistance reactance circuit disposed between two phases of said supply means for unbalancing, when operative, said motor voltage so as to reverse the phase sequence of said motor voltage relative to that of said supply voltage, and means for controlling said reactor means and said circuit in a given reference to the operating condition of said motor.

2,384,865

ALTERNATING CURRENT MOTOR CONTROL SYSTEM

William R. Wickerham, Swissvale, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 9, 1944, Serial No. 525,629
22 Claims. (Cl. 172—152)



22. A three-phase alternating-current hoist control system comprising an induction motor having three terminals, three current supply leads, circuit means for connecting said leads to said terminals, said means comprising a bridge network having two diagonal branches connected across two of said leads and across two of said terminals respectively and containing four bridge branches, transformer means in two adjacent ones of said bridge branches and impedance means in said remaining two bridge branches, said impedance means including a saturable reactor having a control winding, control means for energizing said control winding so as to change the balance condition of said network in order to obtain a low-speed low-torque characteristic of said motor, and a master controller for selectively setting said

motor for hoisting and lowering operation, said controller being connected with said circuit means so as to render said control means operative only for lowering operation.

2,384,866

MOTOR FUEL

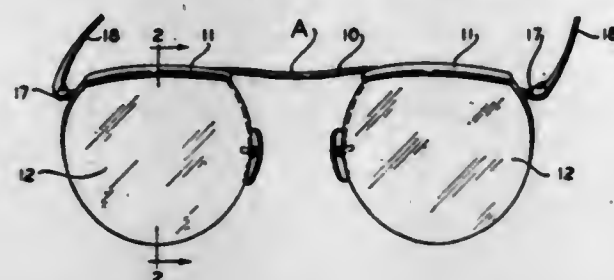
Sol B. Wiczer, Washington, D. C.
No Drawing. Application March 24, 1942,
Serial No. 436,019
8 Claims. (Cl. 44—56)

1. Method of forming stable liquid fuels comprising extracting unsaturates from the cracked hydrocarbon distillate to produce an extract and raffinate, converting a portion of the extract to products selected from the group consisting of ethers, esters and ketones, and recycling a portion thereof to the raffinate to form products suitable for use as motor fuels for internal combustion engines of the Otto and Diesel cycle types and burning oils.

2,384,867

SPECTACLES

Arthur F. Williams, St. Paul, Minn., assignor to Wils-Edge Corporation, St. Paul, Minn., a corporation of Minnesota
Application May 30, 1942, Serial No. 445,404
2 Claims. (Cl. 88—47)



1. Spectacles comprising lenses and a frame including a bridge and lens-engaging portions formed from a metal strip, said lenses having upper portions recessed across their inner and outer surfaces to form mounting portions extending along upper portions of the lenses and dovetailed in cross section, the lens-engaging portions of said frame having depending side flanges, and plastic frame sections extending the full length of the lens-engaging portions and formed with side walls extending downwardly in converging relation to each other and defining channels open at their ends, the lens-engaging portions of said frame extending through said channels with their side flanges embedded in walls thereof, and said lenses being slid into said channels through open ends thereof with the side walls of the channels fitting into the recesses of the lenses and gripping the dovetailed portions between them and the flanges of the lens-engaging portions engaging side faces of the dovetailed portions, and said plastic frame sections having end portions extending beyond their side walls and bent downwardly to engage edges of the lenses and hold the lenses against longitudinal movement in the channels.

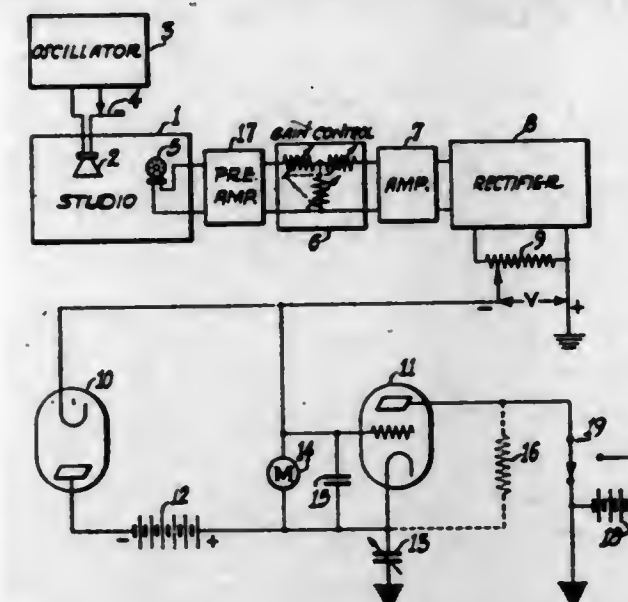
2,384,868

REVERBERATION METER

Edmond S. Winlund, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1942, Serial No. 449,178
5 Claims. (Cl. 181—0.5)

1. A reverberation indicator including sound wave translating means for deriving potentials

proportional to the amplitude of said waves, a thermionic tube including an anode, a cathode and a control electrode having predetermined anode resistance, a capacitor connected between said anode and said cathode of said tube, means

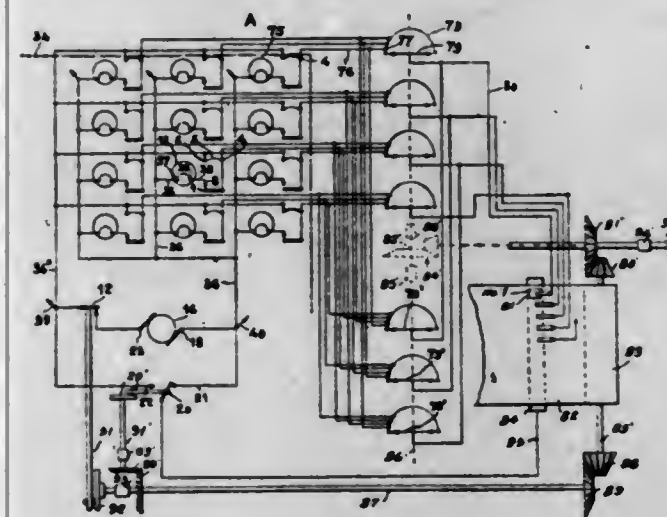


for applying said potentials to said control electrode to vary the anode resistance of said tube, and means for indicating reverberation time directly as a function of the value of said resistance.

2,384,869

SIGNALING OR ADVERTISING DEVICE

Armand Zuckermann, Paris, France; vested in the Allen Property Custodian
Application April 24, 1940, Serial No. 331,281
In France May 16, 1939
12 Claims. (Cl. 177—350)



3. In an electrically controlled indicating system, in combination a group of indicating devices arranged in rows of two intersecting directions, connectors individual to the several rows in the one direction of said indicating devices, each of said connectors comprising a bank of contacts and a wiper for engaging said contacts, a selector for preselecting said indicating devices in conformance with a given pattern, means for operating the connectors and the selector in synchronism, maintaining switches for controlling the operation of the several indicating devices, actuation circuits individual to and acting on said several maintaining switches including a given contact in a given bank of contacts and said selector, each of said actuation circuits being adapted to shunt the corresponding maintaining switch, if said circuit is closed over said given contact and said selector, utilization circuits including said maintaining switches controlled by said actuation circuits for independently actuating the indicator devices, a source of electrical energy common to the several circuits, and two control circuits for actuating the indicating de-

vices, one of said control circuits being of lower voltage than the other, said control circuits having switching means for alternately supplying said voltages to the preselected indicating devices, the lower voltage being applied in the initial operation of the several devices.

2,384,870

BOTTLE DISPOSAL RACK

Gilmon F. Albrecht, Madison, Wis.
Application August 12, 1942, Serial No. 454,583
1 Claim. (Cl. 116—114)



A signalling device for bottle racks in which the rack is provided with an opening in its top portion for receiving bottles to be stacked in the rack, a treadle in the bottom of the rack in the path of the bottles, a signal arm pivoted to the rack adjacent the opening therein and a rod connecting the treadle to said arm for actuating said arm and raising same to signalling position upon engagement of the treadle and movement thereof downwardly by downward movement of the lowermost of the stack of bottles filling the racks.

2,384,871

TREATMENT OF TEXTILE FABRICS

Cyril Pearson Atkinson, Baidon, England, assignor to Courtaulds Limited, London, England, a British company
No Drawing. Application September 20, 1944, Serial No. 555,034. In Great Britain October 28, 1943

6 Claims. (Cl. 28—73)

1. A process of obtaining raised fabrics of improved handle and appearance which includes the steps of treating fibres with an intermediate resin, subjecting the fabric containing said fibres to a raising operation and thereafter converting the intermediate resin into the insoluble form.

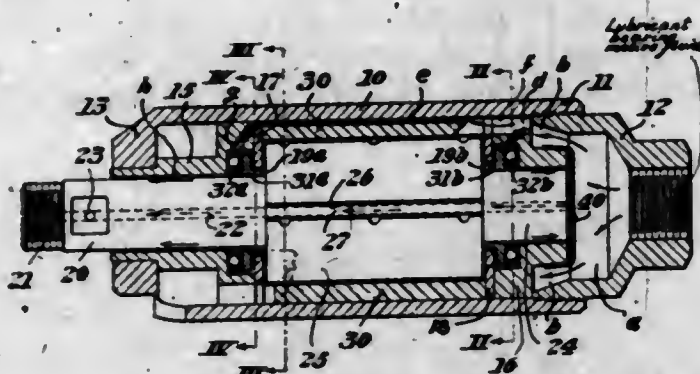
2,384,872

TUBE CLEANER MOTOR

Virgil H. Baker and Paul T. Keebler, Springfield, Ohio, assignors to Elliott Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 9, 1942, Serial No. 450,326
7 Claims. (Cl. 121—34)

5. A tube cleaner motor comprising a rotor having a shaft at each end thereof, a shell enclosing

the rotor having air inlet means at one end and air outlet means at the other, means at each end of the rotor in the shell providing a sleeve bearing for the shaft at each end of the rotor, a bearing plate at each end of the rotor clear of the shaft and located between the rotor and sleeve bearings, each of said sleeve bearings having a recess therein on the end thereof nearest



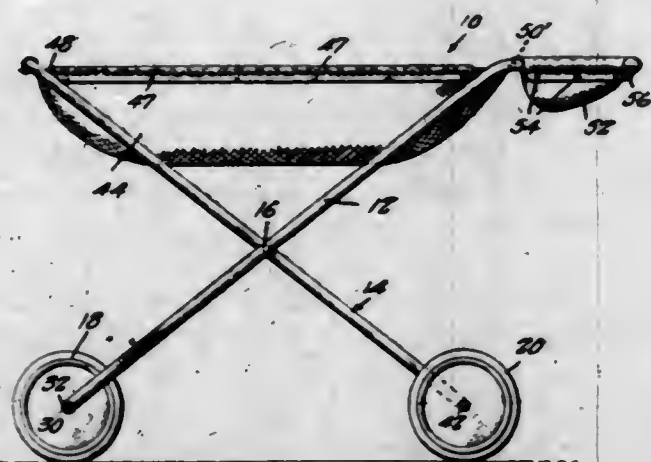
the rotor, a thrust collar surrounding the shaft at each end of the rotor, each of said thrust collars passing through the bearing plate at the end of the rotor adjacent which it is located, and anti-friction thrust bearing means in each recess engaged by said collar, whereby end thrust on the rotor is partly assumed by the bearing plates and partly by the anti-friction bearings.

2,384,873

LAUNDRY VEHICLE

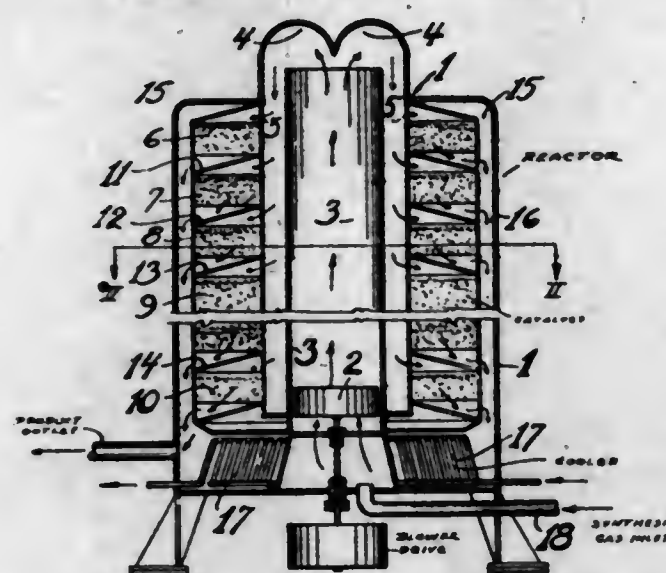
John D. Barksdale, Oildale, Calif., assignor of one-half to James J. Shirkey, Van Nuys, Calif.

Application October 14, 1943, Serial No. 506,277
1 Claim. (Cl. 280-41)



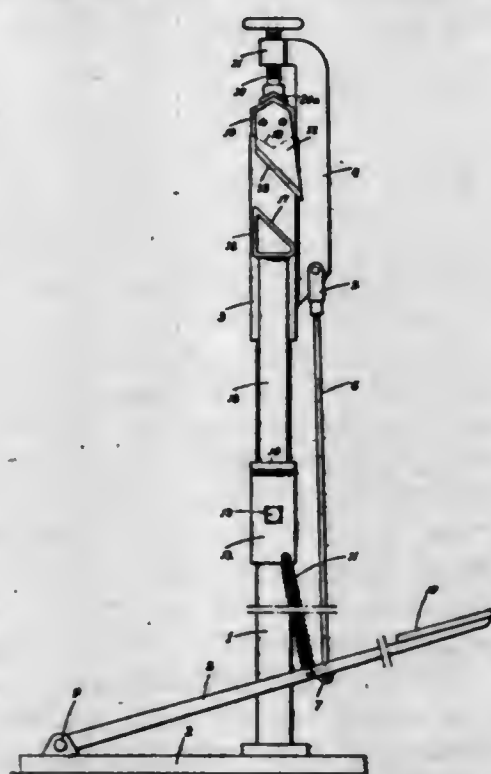
A laundry vehicle comprising a frame member of generally U-shaped contour, an axle welded to the ends of the legs of said frame, supporting wheels, bolts constituting pivots for said supporting wheels and threaded into said axle, a frame member in the nature of a loop having parallel members crossing the legs of the U-shaped frame and pivotally connected therewith, said members having portions arranged in converging relationship and ends positioned closely together, tubular elements fixed to said ends, a supporting wheel located between said tubular elements, a bolt extending through the tubular elements and said last mentioned wheel to constitute a pivot therefor, a first receptacle having a portion attached to the transverse part between the legs of said first frame, a cross member attached to said loop-like frame, said receptacle having a continuation extending over said cross member and attached at three points to said second frame to provide a second receptacle, said loop-like frame having a portion constituting a handle, and flexible rails interconnecting said frame members and constituting supports for said first receptacle.

2,384,874
HYDROCARBON SYNTHESIS REACTION
Frank T. Barr, Summit, N. J., assignor, by mesne assignments, to Standard Catalytic Company, a corporation of Delaware
Application May 2, 1941, Serial No. 391,560
4 Claims. (Cl. 260-449.6)



1. An improved process for conducting catalytic reactions in which the exothermic heat of reaction is removed and catalyst temperature is controlled by the recirculation of a relatively large volume of the reacting gas mixture, which comprises the steps of passing a mixture of fresh and recirculated feed gas in a radial direction through an annular catalyst bed, withdrawing a minor portion of the gas which has passed through the catalyst bed, cooling a major portion of the remainder of such gas and admixing the cooled gas with fresh reaction gas prior to recirculation, the cooling being adjusted to substantially correspond to the exothermic heat of reaction and thus maintaining reaction temperature.

2,384,875
BEAK TRIMMING DEVICE FOR POULTRY
Robert Paul Barton, Escalon, Calif.
Application April 3, 1944, Serial No. 529,385
9 Claims. (Cl. 128-303.10)



1. A beak trimming device for poultry, comprising means adapted to support the beak, a blade mounted for movement in cutting relation to a supported beak, and means to actuate the blade; said beak supporting means comprising a cutting block which is hollow and open at one end, the cutting block having a top plate which the upper and lower beak of a fowl is adapted to straddle from said open end of the block.

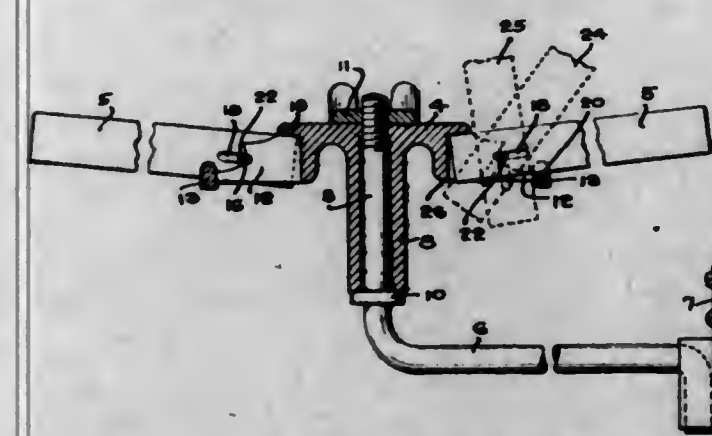
2,384,876
THERMOPLASTIC PRODUCTS DERIVED FROM RUBBERS
Thomas W. Bartram, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 11, 1942,
Serial No. 446,608
18 Claims. (Cl. 260-768)

10. The method of making a new composition of matter which comprises intimately mixing a substance selected from the group consisting of natural rubbers, polymers of butadiene-1,3, copolymers of butadiene-1,3 and acrylonitrile, copolymers of butadiene-1,3 and styrene, chlor butadiene-1,3 polymers, scrap rubber and reclaimed rubber with substantially 50% by weight of an organic sulfo phosphine halide having halogen directly linked to the phosphorus atom and heating the mixture.

2,384,877
CONVERSION OF HYDROCARBONS
Richmond T. Bell and Carlisle M. Thacker, Highland Park, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application January 10, 1944,
Serial No. 517,702
17 Claims. (Cl. 196-52)

1. The method of converting higher boiling crude mineral oil fractions into hydrocarbons boiling within the gasoline range comprising subjecting said fractions to cracking at temperatures of approximately 350-600° C. in the presence of a small amount, not in excess of 5% by weight of an alkyl ester of an oxygen-containing acid of phosphorus.

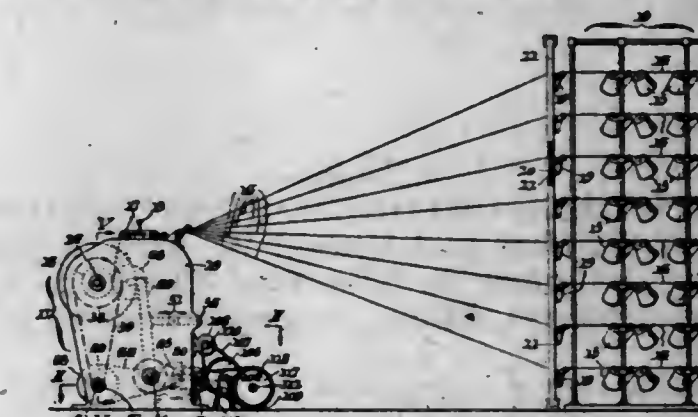
2,384,878
COLLAPSIBLE CLOTHES DRIER
Paul Berman, Philadelphia, Pa.
Application June 1, 1944, Serial No. 538,273
4 Claims. (Cl. 211-100)



1. In a collapsible clothes drying frame, in combination, a centrally disposed main supporting member having an annular flange from which project a plurality of circumferentially spaced radially extending wing-like elements, an annular member extending circumferentially about and interconnecting the outer extremities of said elements, an annular ledge on said flange overlying the inner extremities of said elements, a plurality of radially extending clothes supporting arms each disposed between a pair of said elements with its inner end pivotally secured against displacement therefrom, the arrangement being such that opposite edges of each arm are respectively engageable at points spaced to either side of the pivot point with the upper face of said annular member and with the lower face of said annular ledge to support the arm in a substantially horizontal position, and means providing

for longitudinal shifting of each clothes supporting arm relative to its pivot point whereby said arm may be supported in generally upright position with one edge thereof in engagement with the lower edge of said depending flange.

2,384,879
DRIVE CONTROL FOR TEXTILE MACHINERY
John C. Bodansky and Ernest K. Whitener, Gastonia, N. C., assignors to Cocker Machine and Foundry Company, Gastonia, N. C., a corporation of North Carolina
Application May 26, 1944, Serial No. 537,404
12 Claims. (Cl. 28-39)



1. In textile winding machines including a source for supply of a multiplicity of individual yarns to a rotary collector with an associated follower roll, and electrically-activated control equipment, the combination of a motor-generator, a motor operative by current supplied from said generator, a differential-unit operative by the follower roll, and an associated rheostat set for a definite slow-speed position, said rheostat having means movable by the differential unit to accelerate or decelerate the speed of said motor, whereby sudden starting-up of the winding machine is positively prevented.

2,384,880
VINYLDENE CHLORIDE COMPOSITIONS
Edgar C. Britton and Harold W. Moll, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application July 18, 1941,
Serial No. 403,012
3 Claims. (Cl. 260-42)

2. A thermoplastic composition, the essential ingredients of which are a polymer of vinylidene chloride, wherein the vinylidene constitutes at least 70 per cent of the polymer, and from about 0.5 to about 40 per cent, based on the weight of the polymer, of a urea formaldehyde resin, which is soluble in non-aqueous solvents and insoluble in water.

2,384,881
VINYLDENE CHLORIDE COMPOSITIONS
Edgar C. Britton and Harold W. Moll, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application July 18, 1941,
Serial No. 403,013
3 Claims. (Cl. 260-42)

2. A thermoplastic composition, the essential ingredients of which are a polymer of vinylidene chloride, wherein the vinylidene chloride constitutes at least 70 per cent of the polymer, and from about 0.5 to about 40 per cent, based on the weight of the polymer, of a coumarone indene resin.

2,384,882

VINYLDENE CHLORIDE COMPOSITIONS
Edgar C. Britton and Harold W. Moll, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application July 18, 1941,
Serial No. 403,014

2 Claims. (Cl. 260—27)

1. A thermoplastic composition, the essential ingredients of which are a polymer of vinylidene chloride, wherein the vinylidene chloride constitutes at least 70 per cent of the polymer, and from about 0.5 to about 40 per cent, based on the weight of the polymer, of a resin selected from the class consisting of the run natural resins and hydrogenated rosin.

2,384,883

VINYLDENE CHLORIDE COMPOSITIONS
Edgar C. Britton and Harold W. Moll, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application July 18, 1941,
Serial No. 403,015

3 Claims. (Cl. 260—42)

2. A thermoplastic composition, the essential ingredients of which are a polymer of vinylidene chloride, wherein the vinylidene chloride constitutes at least 70 per cent of the polymer, and between about 0.5 and about 40 per cent of a toluene sulfonamide-aldehyde resin, based on the weight of the polymer.

2,384,884

VINYLDENE CHLORIDE COMPOSITIONS
Edgar C. Britton and Harold W. Moll, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application July 18, 1941,
Serial No. 403,016

4 Claims. (Cl. 260—42)

1. A thermoplastic composition the essential ingredients of which are a polymer of vinylidene chloride, wherein the vinylidene chloride constitutes at least 70 per cent of the polymer, and between about 0.5 and about 40 per cent of a polyvinyl-acetal resin, based on the weight of the polymer.

2,384,885

VINYLDENE CHLORIDE COMPOSITIONS
Edgar C. Britton and Harold W. Moll, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application July 18, 1941,
Serial No. 403,018

3 Claims. (Cl. 260—19)

1. A thermoplastic composition, the essential ingredients of which are (1) a polymer of vinylidene chloride wherein the vinylidene chloride constitutes at least 70 per cent of the polymer, and (2) a minor proportion relative thereto of a phenol-aldehyde resin which has been modified in the course of its preparation with one of the conventional modifying agents selected from the class consisting of natural resins and drying oils.

2,384,886

VINYLDENE CHLORIDE COMPOSITIONS
Edgar C. Britton, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application July 18, 1941,
Serial No. 403,019

5 Claims. (Cl. 260—17)

2. An opaque thermoplastic composition, the essential ingredients of which are a polymer of vinylidene chloride, wherein the vinylidene chloride constitutes at least 70 per cent of the polymer, and from about 0.5 to about 10 per cent, based on the total weight of the polymer, of a water insoluble thermoplastic cellulose ether which is incompatible at room temperature with the polymer.

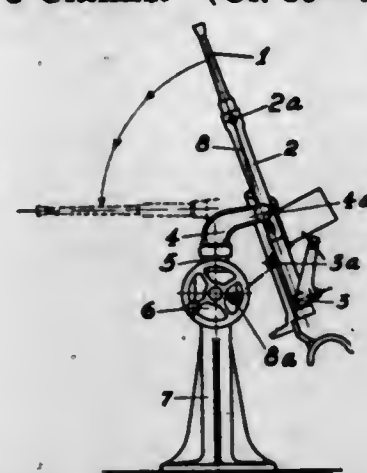
2,384,887

MECHANICAL COCKING DEVICE FOR AUTOMATIC FIREARMS

Friedrich Brunner and Carl Haury,
Zurich, Switzerland

Application April 3, 1940, Serial No. 327,558
In Switzerland April 22, 1939

5 Claims. (Cl. 89—1)



1. In combination, an automatic firearm having a recoil spring, a support on which the firearm is mounted, means for compressing the recoil spring including a member movably mounted on said support and movable from a first position to a second position, said member having a normal function other than aiding in compressing of said spring, a slidable device on said gun movable to compress said spring, and a flexible, tractive element connected to said slidable device and operatively connected to said movable member, whereby upon movement of said movable member to said second position, a tractive force is exerted on said flexible member and is transmitted by the tractive element to said slidable device for compressing said spring.

2,384,888

POLYMERIC SULPHUR CONTAINING DERIVATIVES AND PROCESS FOR THEIR PREPARATION

William James Burke, Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 4, 1944,

Serial No. 525,093

14 Claims. (Cl. 260—231)

4. An acetylthioalkyl ether of cellulose wherein the alkyl group contains at least two carbons.

5. A polymer having a side chain connected to the chain of said polymer through ether oxygen and having on said side chain a bivalent sulphur separated from the ether oxygen by at least two carbons and in turn attached to a member of the class consisting of hydrogen, an acyl radical, and bivalent sulphur further bonded to a side chain linked by ether oxygen to such a polymer chain.

2,384,889

ALPHA-CHLOROACRYLONITRILE AND METHOD OF PREPARING THE SAME
Albert M. Clifford, Stow, and James D. D'Ianni, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 15, 1940,
Serial No. 324,146

8 Claims. (Cl. 260—464)

1. As a new composition of matter, alpha-chloroacrylonitrile.

2,384,890

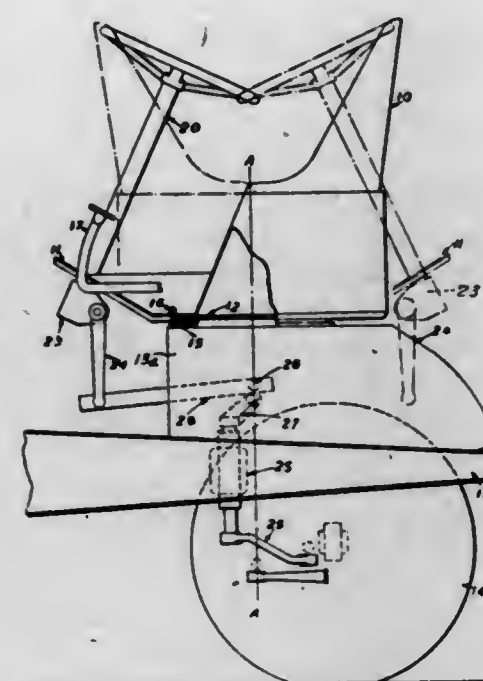
REVERSIBLE STEERING MECHANISM FOR MECHANICALLY PROPELLED VEHICLES

Joe Davidson Coldwell, Manchester, England, assignor to E. Boydell & Company Limited, Manchester, England

Application July 13, 1942, Serial No. 450,688

In Great Britain July 14, 1941

12 Claims. (Cl. 180—77)



9. Reversible steering and brake and engine control mechanism for a mechanically propelled vehicle having road wheels comprising a driving seat with adjacent steering wheel and adjacent brake and engine control pedals, mechanism enabling the seat together with the said steering wheel and control pedals to be turned on a vertical axis to face forward or rearward of the vehicle, lever and link coupling between the steering wheel and the said road wheels articulated at a point coincident with the axis of turning of the driving seat, part of which coupling is relatively rotatable with the seat by said articulation to opposite alternative positions relative to a lever of such coupling and further link and lever mechanism coupling the control pedals to their respective controlled mechanism including a swivel link located at the axis of turning of the seat.

2,384,891

APPARATUS FOR COOLING, DRYING, AND DESILTING GRANULAR MATERIAL

John Newton Collins, Birmingham, and Clifford Ashton, Wakefield, England

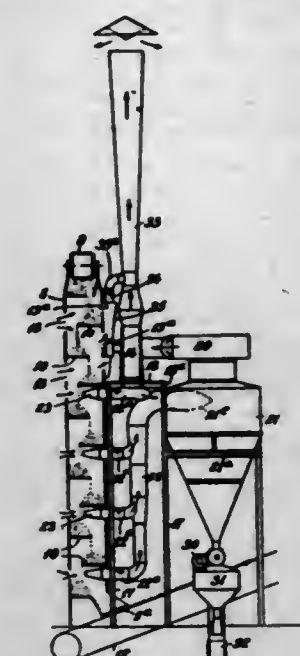
Application August 31, 1943, Serial No. 500,704

In Great Britain September 18, 1942

2 Claims. (Cl. 209—135)

1. Apparatus for cooling, drying and desilting granular material comprising a tower having upper and lower sections, means for delivering material to be treated to the upper section of the

tower, the tower having apertures therein for induction of air thereinto and a series of baffles arranged in staggered relation for causing the material to descend therein in the form of cascades, a centrifugal separator having a volute casing at its upper end and an air-lock discharge valve at its lower end, a conduit connected to the separator and having branch tubes communicating with the lower section of the tower, nozzles for at least some of said branch tubes, said nozzles be-



ing presented to the material descending in the tower to effect the induction of air currents therethrough, a centrifugal fan having a casing connected at its intake with the volute casing of the separator, a housing communicating with the upper section of the tower, a diffuser tube connected to the discharge of the centrifugal fan and having a Venturi section therein, and a branch pipe leading from said housing to said Venturi section for the induction of air through the apertures in the upper section of the tower.

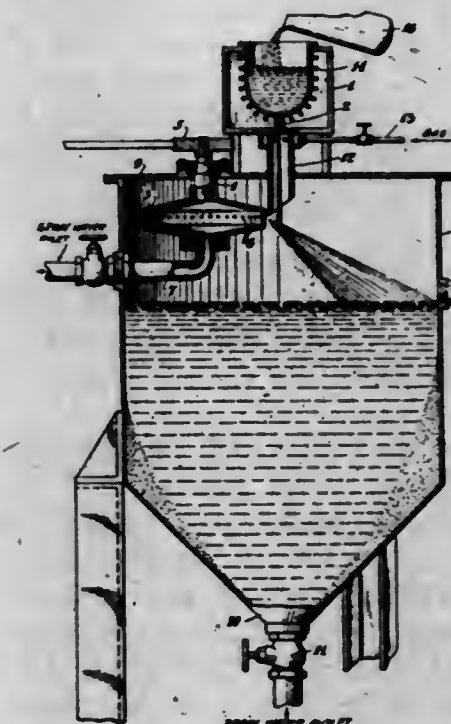
2,384,892

METHOD FOR THE COMMUNUTION OF MOLTEN METALS

Gregory J. Comstock, Summit, N. J., assignor to F. W. Berk & Company, New York, N. Y., a corporation of Maryland

Application May 28, 1942, Serial No. 444,868

6 Claims. (Cl. 83—91)



1. A method of producing comminuted material which comprises forming a stream of molten material, applying a succession of solid streams

of liquid at a pressure not substantially less than 100 pounds per square inch having linear motion and simultaneous transverse motion with respect to the stream of molten material to disintegrate the end thereof with formation of minute particles, the liquid and the positioning of the molten stream with respect thereto being such that there is a solid stream of liquid at the point of contact, successive contacts being at a frequency greater than 200 per second, and the cross sectional areas of the molten stream and of the individual streams of liquid being in a ratio such that substantially the entire end of the stream of molten material is swept by the solid streams of liquid to effect its disintegration into minute particles.

2,384,893 AIRCRAFT

Louis H. Crook, Washington, D. C., assignor to Aerodynamic Research Corporation, Washington, D. C., a corporation of the District of Columbia

Application February 19, 1942, Serial No. 431,590
19 Claims. (Cl. 244-73)



1. An aircraft embodying a wing forming the primary structure for the aircraft, said wing being of a low aspect ratio of the order of approximately 1 to 1.27 and having a maximum thickness in the range of from approximately 12% to approximately 30% of the chord of the wing, means for propelling the aircraft, means for controlling the aircraft in flight in roll, in yaw and in pitch, the aircraft constituted by said primary structure-forming wing having its center of gravity located along the longitudinal axis of the aircraft at a point spaced rearwardly from the leading edge of the wing a distance approximately equal to approximately 30% of the chord of the wing, and means for stabilizing said aircraft in roll including vertically disposed surfaces located on the forward portion and extending chordwise of the wing from the leading edge portion rearwardly to and terminating forward of the intermediate portion of the wing, and said surfaces extending outwardly from the wing at the opposite end or tip portions of the wing, respectively.

2,384,894

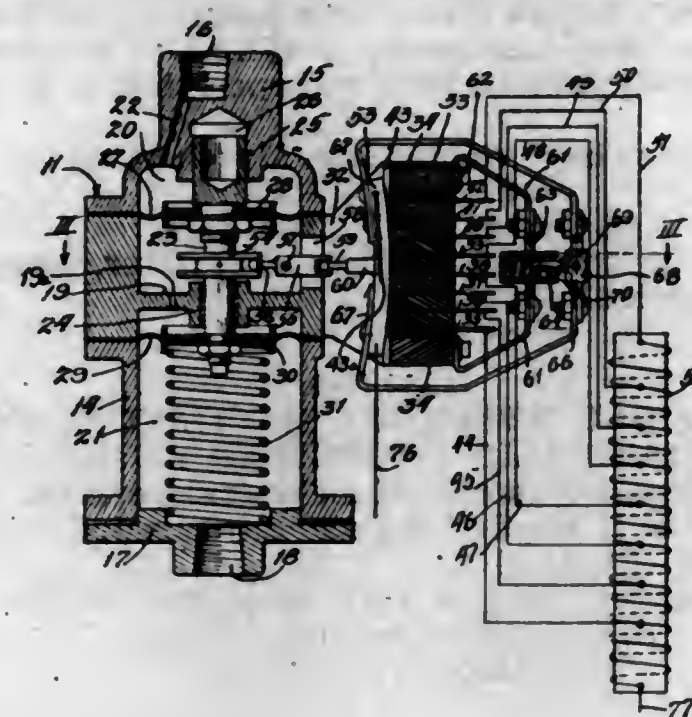
AUTOMATIC PUMP SPEED CONTROL

Russell R. Curtis, Dayton, Ohio, assignor to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio

Application November 7, 1942, Serial No. 464,901
4 Claims. (Cl. 201-48)

1. In a pressure responsive control device, a casing, a diaphragm across said casing, a fluid conducting pipe connected to said casing on one side of said diaphragm, variable resistance means, a rocker arm selector associated with said resistance means to close a circuit through various resistance increments, means connecting the rocker arm to said diaphragm to be actuated thereby, said casing having an opening therein on the opposite side of said diaphragm from said pipe, and toggle mechanism connecting said dia-

phragm with said rocker arm to actuate the latter, and maintain the same pressure on the rocker



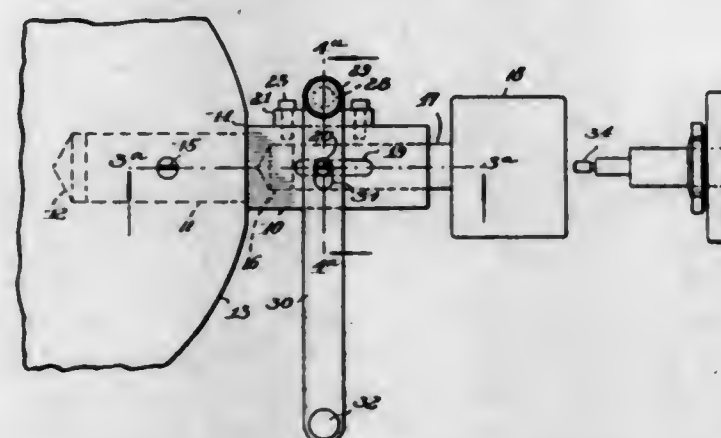
arm regardless of the point of contact with said resistance means.

2,384,895

ATTACHMENT FOR SCREW MACHINES

Samuel P. De Mato, Rochester, N. Y., assignor to James Cunningham, Son & Company, a partnership composed of Augustine J. Cunningham and Francis E. Cunningham, Rochester, N. Y.

Application February 7, 1945, Serial No. 576,636
3 Claims. (Cl. 10-89)



1. An attachment for a screw machine having a tool socket, for adapting said machine for cutting light screw threads, said attachment comprising a member formed at one end with a socket for a die holder and at its other end with a shank for insertion in said tool socket, a die holder provided with threading dies and having a shank movable longitudinally in said member socket, a hand lever pivoted on said member, and means connecting said lever and die holder for manually moving said die holder to bring the dies thereof into threading engagement with the work.

2,384,896

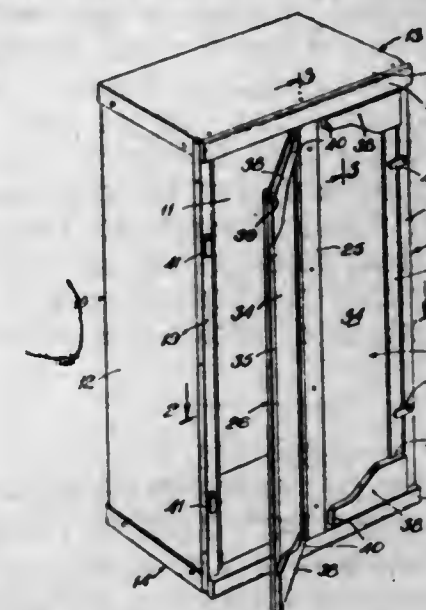
DOOR FRAME CONSTRUCTION FOR CABINETS

Harry Derman, Laurelton, Long Island, N. Y.

Application February 2, 1943, Serial No. 474,469
10 Claims. (Cl. 160-230)

3. In a knockdown cabinet employing collapsible wall parts, a door frame unit comprising a rectangular frame having joined top, bottom and side rails, a reinforcing member extending between and secured to the top and bottom rails intermediate the side rails to divide the frame into two door openings extending between said

top and bottom rails, two doors having sealed pivots one at each side of said member and con-



trolling said door openings, and means on the doors and said side rails checking closing movement of the doors.

2,384,897

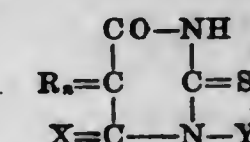
PRODUCTION OF PHOTOGRAPHS IN BLUE TONES

Fritz Dersch and Newton Heimbach, Binghamton, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application June 25, 1942,
Serial No. 448,416

6 Claims. (Cl. 95-6)

1. In a process for producing developed silver pictures in blue tones from silver bromide emulsions, the improvement which comprises developing said emulsions in the presence of a quantity of an organic compound corresponding to the formula



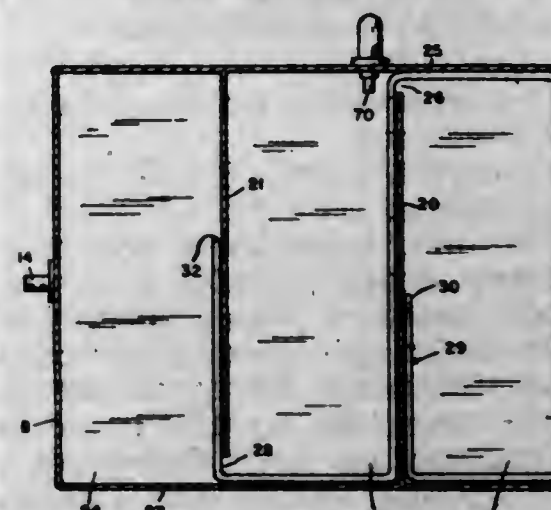
wherein R stands for a member of the group consisting of hydrogen, alkyl and aryl; X stands for a member of the group consisting of O and NH; Y stands for a member of the group consisting of hydrogen, alkyl and aryl, n being 1 in the case of aryl and 2 in the case of hydrogen and alkyl, sufficient to produce blue toning of the developed image.

2,384,898

FILM OR PHOTOGRAPHIC PLATE PROCESSING MACHINE

Harry W. Dietert, Detroit, Mich.

Application September 14, 1942, Serial No. 458,281
6 Claims. (Cl. 257-2)



1. A machine for processing film or photographic plate, comprising an upwardly opening

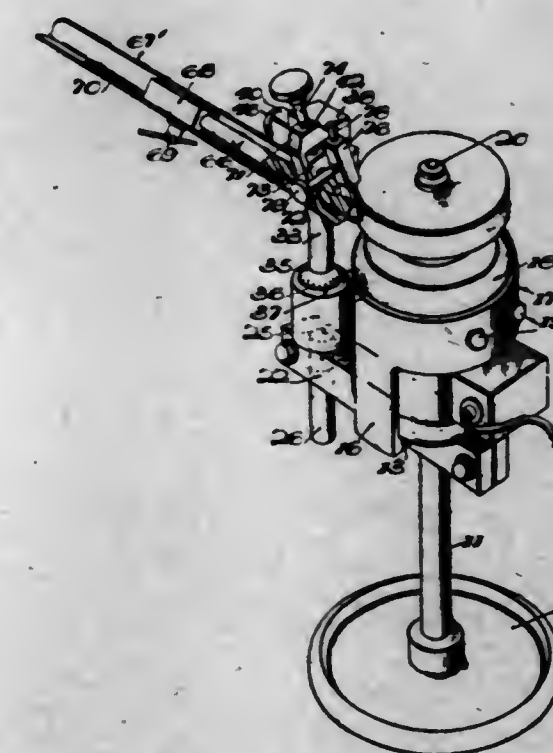
tank for water having laterally spaced upright partitions dividing the same into a series of chambers, alternate partitions being provided at different ends thereof adjacent the bottom of the tank with openings, a coil for water within said tank adjacent the bottom thereof, said coil having an inlet portion within the chamber at one end of the series and having an outlet portion within the chamber at the opposite end of the series, said coil extending from said inlet portion in the chamber at one end of the series through the openings in said partitions to the outlet portion in the chamber at the opposite end of the series and having lengths thereof in each of said chambers whereby water in the coil will absorb heat from chambers successively from one end to the other of the series before being discharged from said outlet portion, pans for developing, hardening and fixing solutions suspended within the chambers aforesaid in heat transfer relation to water therein, one pan in each chamber, a supply conduit for water connected to the inlet portion of said coil, a valve controlling the flow of water through said supply conduit to said coil, a solenoid for actuating said valve, a magnetic relay in circuit with and controlling the action of said solenoid, a thermostat submerged in and responsive to the temperature of water in an intermediate chamber of the series, said thermostat being in circuit with and controlling the action of the relay, and a switch in circuit with and controlling the action of the thermostat, relay and solenoid aforesaid.

2,384,899

MACHINE FOR GRINDING BITS

Fate Dixon, Durham, N. C., assignor of one-half to Arthur L. Walton, Durham, N. C.

Application February 23, 1944, Serial No. 523,590
5 Claims. (Cl. 51-219)

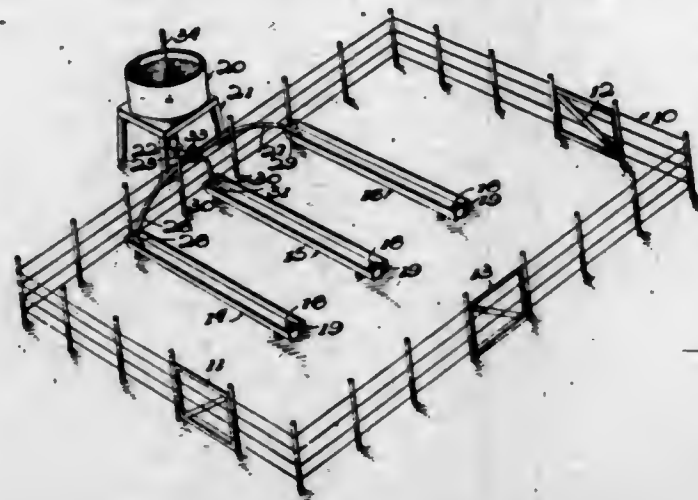


3. A machine for grinding a bit or the like, an upstanding post, a motor holding frame mounted upon the post and including a horizontal bar and vertical arms and a curved strap which is concentric with the post, a motor mounted within the frame and having the curved strap secured thereto, the motor having its armature shaft vertical, an arm mounted upon the post, a vertical post mounted upon the arm, a carrier, means to pivotally mount the carrier upon the vertical post so that the carrier can swing in vertical and horizontal planes, and a bit holding device mounted upon the carrier.

2,384,900

LIVESTOCK FEEDING APPARATUS

Abner D. Duncan, Ponca City, Okla.

Application January 19, 1943, Serial No. 472,883
3 Claims. (Cl. 119-74)

1. In an apparatus for feeding livestock including a plurality of spaced elongated, relatively narrow, shallow completely open top troughs located at a distance from a point of supply, a liquid feed containing tank at said point of supply located a sufficient distance above the level of the troughs to provide a gravity feed and having an outlet pipe extending from the lower portion thereof downwardly and thence horizontally under the tank and terminating beyond the tank, a distributing chamber secured to the outer terminal end of said pipe and supported thereby and with which said pipe communicates, and a plurality of liquid distributing pipes of less diameter than the diameter of said outlet pipe communicating with said distributing chamber and leading to the nearer ends of said troughs whereby to supply feed from the tank to the troughs.

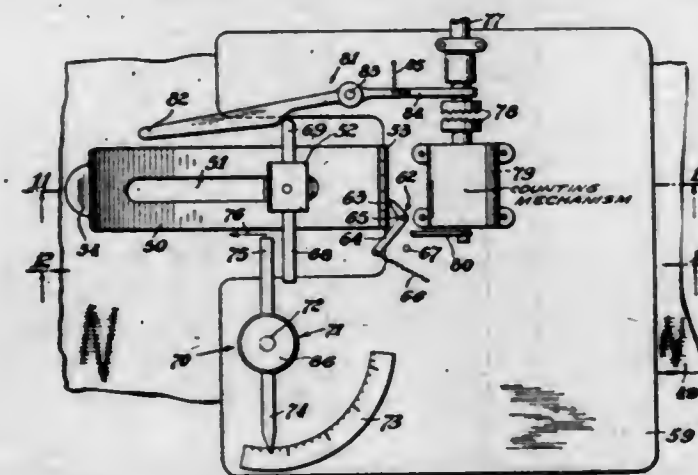
2,384,901

PICK COUNTING DEVICE

Arnold Eddy, Middletown, Conn., assignor, by direct and mesne assignments, of fifty per cent to Hilda W. Striker and twenty per cent to E. G. Dentay, both of New York, N. Y.

Original application October 24, 1941, Serial No. 416,289. Divided and this application June 4, 1943, Serial No. 489,630

8 Claims. (Cl. 235-132)



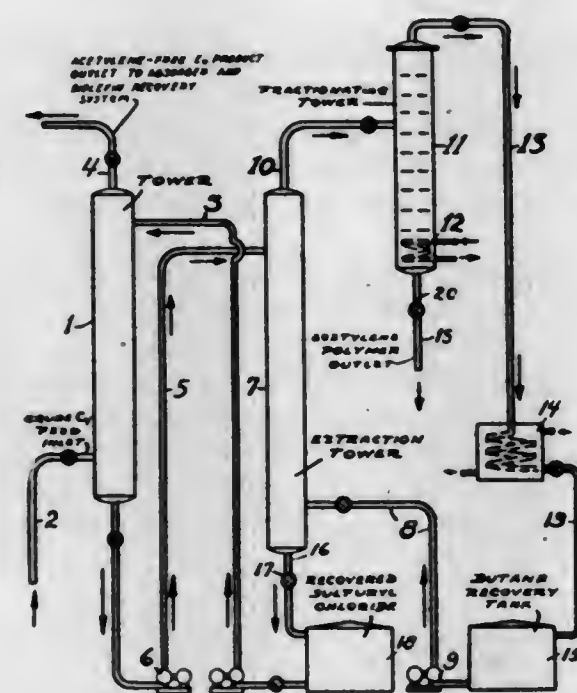
1. Device for counting and registering the number of picks in a unit length of fabric as said fabric is woven on a loom, comprising in combination a measuring and indicating mechanism constructed to measure and indicate the length of fabric woven on said loom, and a controlling mechanism constructed to influence said measuring and indicating mechanism so that the same measures and indicates only the length of the fabric woven during weaving of a certain predetermined number of filling picks, said controlling mechanism

including a counting mechanism constructed and arranged so as to terminate operation of said fabric measuring and indicating mechanism after counting a certain predetermined number of impulses, and impulse creating means creating in said counting mechanism one of said impulses each time one filling pick is woven on said loom, said predetermined number of impulses divided by the length of fabric measured and indicated while said counting mechanism is counting said predetermined number of impulses being an indication of the number of picks in a unit length of fabric.

2,384,902

SEPARATION OF ACETYLENES FROM HYDROCARBON MIXTURES

Egi V. Fasce, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

Application April 9, 1943, Serial No. 482,366
3 Claims. (Cl. 260-681.5)

1. In a process for separating a diolefin from a mixture of hydrocarbons containing a diolefin and an alkyl acetylene, the improvement which comprises contacting a mixture of hydrocarbons containing a diolefin and an alkyl acetylene with a sulfuryl chloride solution containing from 0.1-1% of benzoyl peroxide, separating the sulfuryl chloride solution containing from 0.1-1% of benzoyl peroxide and absorbed alkyl acetylene from the unabsorbed hydrocarbon, and contacting the residual unabsorbed hydrocarbons with a selected absorbent for the diolefins.

2,384,903

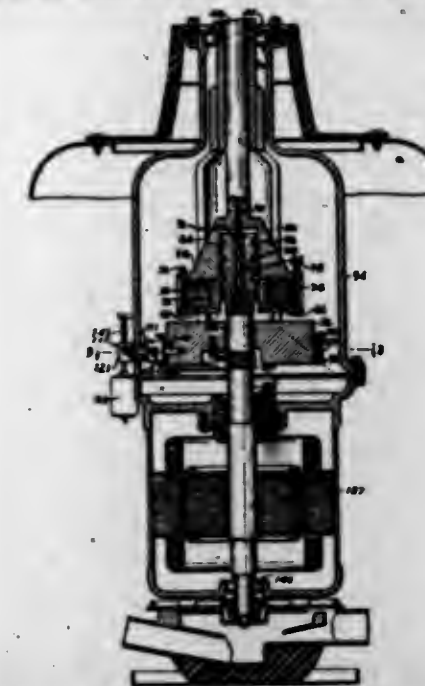
DOMESTIC APPLIANCE

Donald K. Ferris, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application August 1, 1942, Serial No. 453,223
5 Claims. (Cl. 192-12)

1. In combination, a rotatable driving means, a rotatable driven means provided with a movable braking member provided with a braking surface, a reciprocable driven means rotatable coincidentally with said rotatable driven means, an anchored braking means for engaging said braking surface, a reciprocating mechanism connecting said rotatable driving means and said reciprocable driven means, a clutch means for connecting said driving means and said rotatable driven means, means responsive to the relative move-

ment between the braking member and the rotatable driven means for controlling the clutch

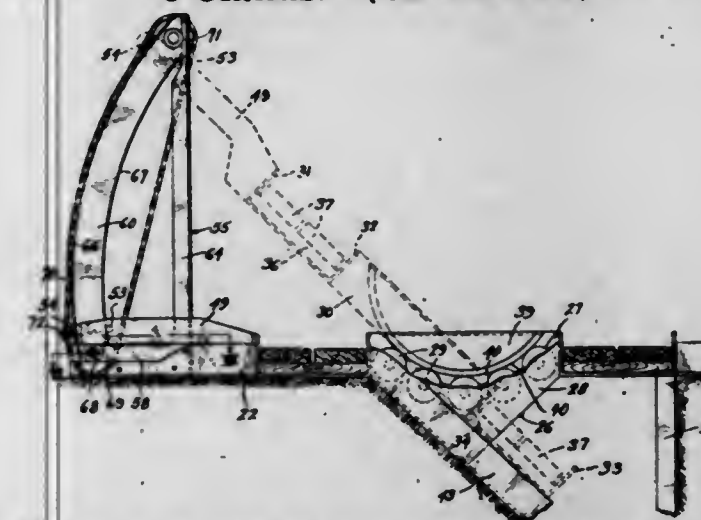


means, and means for controlling the operation of said braking means.

2,384,904

DUMPING APPARATUS

James H. Fletcher, Wilmette, Ill.

Application August 23, 1943, Serial No. 499,595
6 Claims. (Cl. 214-52)

1. Dumping apparatus comprising a base frame mounted to extend over a dumping pit, a bearing frame on each end of said base frame having bearing rollers therein arranged in the arc of a circle, a cradle frame extending between and within the ends of said base frame, a bearing extension on each end of said cradle frame having a lower bearing surface extending in a circular arc for bearing engagement with the rollers in the respective bearing frame, arms extending laterally from the side of said cradle frame, operating mechanism comprising endless chain means connected with said arms, and a motor for driving said chain means, said operating means normally holding said cradle frame in horizontal position for reception of a side dumping haulage unit and effective when operated to rotate said cradle frame for dumping of the haulage unit contents, said operating means including an arcuate guide structure having surfaces engaged by said arms whose center coincides with the center of the arcuate bearing surfaces on said cradle frame.

2,384,905

METHOD OF PRODUCING WHITE OILS

Clyde M. Floyd, Baytown, and Julius Fram, Goose Creek, Tex., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application February 14, 1944, Serial No. 522,394

7 Claims. (Cl. 196-40)

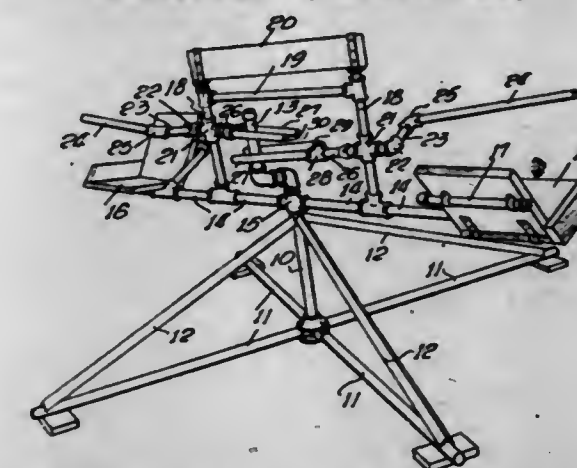
1. A method for producing white oils comprising the steps of subjecting a predominantly par-

affinic petroleum stock to successive treatments with sulfuric acid, separating acid sludge from the oil and washing the oil with water after each acid treatment, and finishing the acid treated oil by drying and contacting with clay at temperatures substantially above atmospheric.

2,384,906

CARROUSEL

Robert B. Franklin, Dallas, Tex., assignor to Playground Equipment Co., Inc., Dallas, Tex.

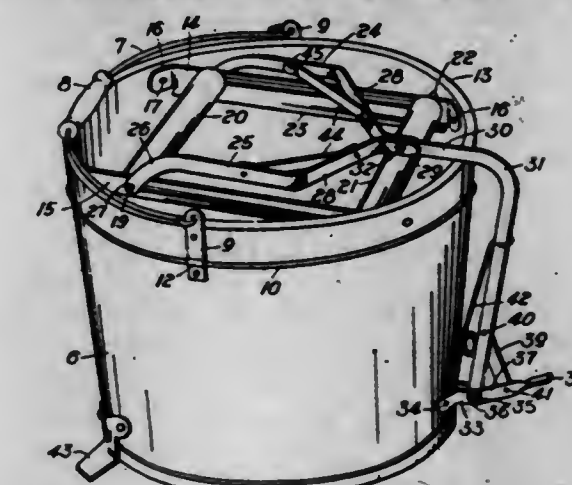
Application May 7, 1945, Serial No. 592,372
5 Claims. (Cl. 272-33)

1. A carousel including a base and an upright having an offset extension parallel with its vertical axis, a beam rotatably mounted on said upright having a passenger seat at each end thereof, vertical and parallel uprights also mounted on said beam on each side of its rotating axis, a bearing on each of said latter uprights, a yoke extending inwardly from each of said bearings and slidably embracing said offset extension and a hand grip also connected to each of said bearings and disposed in juxtapositioned relation to said seats to be operated by passengers to rotatably propel said beam.

2,384,907

MOP WRINGER

Frank M. Fritsch and Lawrence B. Fritsch, Hamilton, Ohio, assignors to The Eagle Woodware Manufacturing Company, Hamilton, Ohio, a corporation of Ohio

Application May 26, 1944, Serial No. 537,420
1 Claim. (Cl. 15-262)

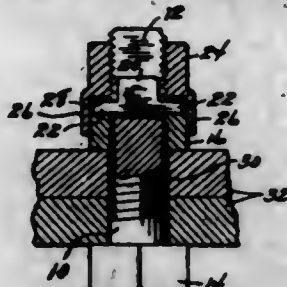
A mop wringing assembly comprising in combination, an open-topped receptacle, a pair of slotted frame members supported within the receptacle in spaced parallelism, each of said members including an inwardly directed skirt, a shiftable roller having an axle with its opposite ends slidably supported within the frame member slots, a stationarily mounted rotatable roller supported by the frame members in position to be contacted by the shiftable roller as the latter is advanced along the slots, and advancing means for the shiftable roller comprising a yoke having a pair of spaced arms each having a downwardly

turned end perforated to support the shiftable roller axle, a convergent portion, and a clevis end, all integral and normally located within an area circumscribed by the top of the receptacle, a yoke actuator bar having a lower end, and an upper end including an angularly disposed extension projecting over the top of the receptacle toward the center thereof, means pivoting said lower end to the receptacle exteriorly thereof, a pivot connecting the yoke arm clevis sections with the actuator bar extension at an elevation above the stationarily mounted roller and within the open top area of the receptacle, said pivot being closer to the vertical center line of the receptacle than is the pivoting means at the lower end of the actuating bar, whereby advancement of the yoke, the actuator bar, and the shiftable roller toward mop-wrining position causes the extension to elevate the clevis end of the yoke to induce gravitation of water thereon toward the interior of the receptacle, and treadle means operative upon the actuator bar to so advance the parts to the mop-wrining position.

2,384,908

NUT LOCK

Hugh J. Gallagher, Gallitzin, Pa., assignor to Matilda McMullen, Buffalo, N. Y.
Application April 7, 1943, Serial No. 482,167
1 Claim. (Cl. 151-5)

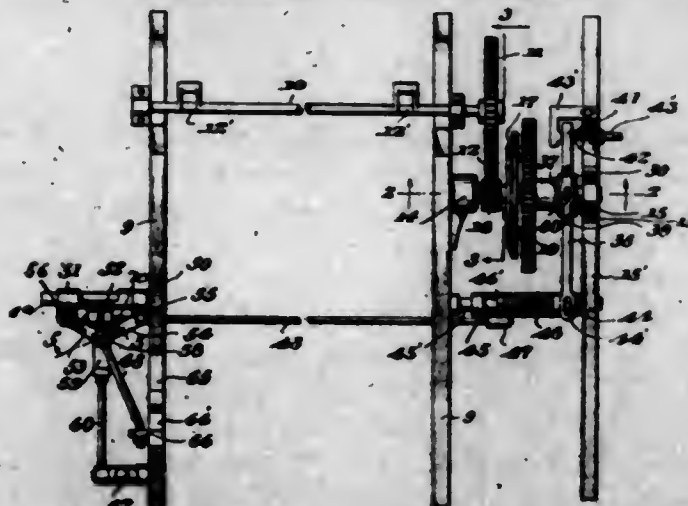


In a nut lock, the combination of a threaded bolt having a longitudinally extending slot formed diametrically thereof, a first nut provided with radial grooves in the outer end thereof, said nut being internally threaded for connection with the bolt, a key receivable in the slot in the bolt, said key being of less width than the slot and having fingers extending from opposite sides of its inner end for engaging in the grooves, a second nut threadedly connected with said bolt for engagement with the first nut, and tongues extending laterally from the inner end of said second nut and bendable into engagement with side faces of said first nut to restrain the second nut from relative rotation.

2,384,909

LOOM

Saint Julian Geddings, West Columbia, S. C.
Application March 20, 1945, Serial No. 583,684
6 Claims. (Cl. 139-336)



1. A stop mechanism for looms having protector mechanism including a movable frog, a

driving clutch for the loom comprising coating friction clutch elements, a movable member to move one friction clutch element axially, an end thrust ball bearing unit arranged between the movable member and the last named friction clutch element, a toggle connected with the movable member, and means operated by the frog to break the toggle.

2,384,910

VINYLIDENE CHLORIDE COMPOSITIONS

Alden W. Hanson and William C. Goggin, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application July 18, 1941,

Serial No. 403,022

2 Claims. (Cl. 260-27)

1. A thermoplastic composition containing a polymer of vinylidene chloride wherein the vinylidene chloride constitutes at least 70 per cent of the polymer, and about 7.5 per cent of white shellac, based on the weight of the polymer.

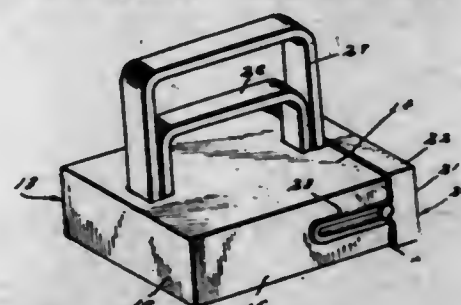
2,384,911

CONVERTIBLE CARTRIDGE FOR CONTACT PRINTING AND PHOTOGRAPHIC PAPER DISPENSING

Clarence E. Harper, Hutchinson, Kans.

Application November 30, 1943, Serial No. 512,382

2 Claims. (Cl. 95-77)



1. A portable manually manipulated contact printer of the class described comprising a rectangular box open on one main side and also open at one end, said open side being marginally bounded by relatively narrow laterally disposed and fixed flanges defining ledge means and a sight for exposure purposes, the ledge means serving to support and properly maintain a negative in position in the box, a slidable backing and follower plate in said box, a ball-like handle slidably mounted in the box and connected with said follower plate, a stationary handle mounted on the box, said handles being nested one within the other to permit them to be squeezed together and to thus readily operate said follower plate, a cap for closing the open end of said box, slotted arms extending from and connected with said cap, pins carried by side walls of the box adjacent said open end, said pins passing through the slots in said arms to guide the sliding movements of the cap toward and from the open end of the box, and spurs carried by said cap for penetrating sheets in the box and withdrawing sheets from the box as the cap is shifted away from the open end of the box.

2,384,912

STOCK INLET

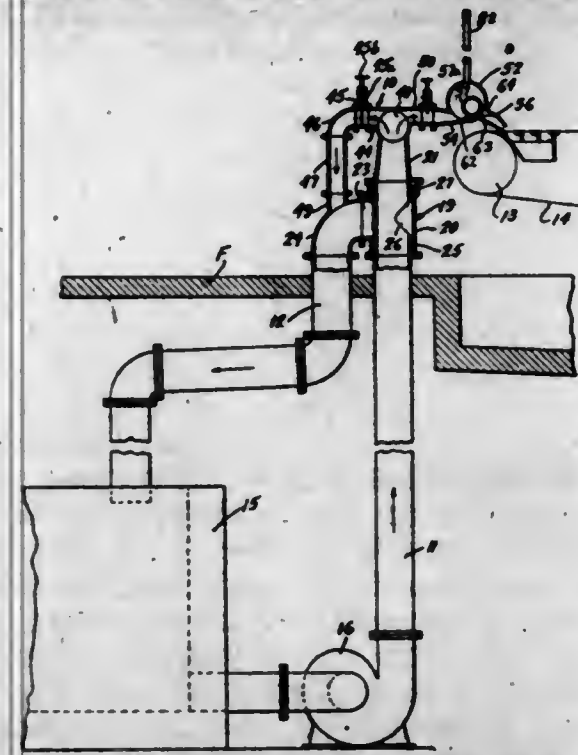
Francis A. Helin, Watertown, N. Y., assignor to The Bagley and Sewall Company, Watertown, N. Y., a corporation of New York

Application May 8, 1943, Serial No. 486,203

14 Claims. (Cl. 92-44)

2. In a Fourdrinier type paper making machine having a forming wire trained around a breast

roll to provide a web-forming surface along the upper run thereof, a stock inlet which comprises a first pipe, means mounting said pipe horizontally across the width of said machine in advance of the breast roll thereof, means for feeding stock to the central portion of said first pipe, a second pipe, means mounting said second pipe horizon-



tally across the width of said machine above the web-forming surface thereof, said second pipe having an outlet along the length thereof for discharging stock onto the forming surface across the width thereof, and a plurality of valved conduits connecting said first and second pipes for uniformly distributing stock from the first pipe along the length of the second pipe.

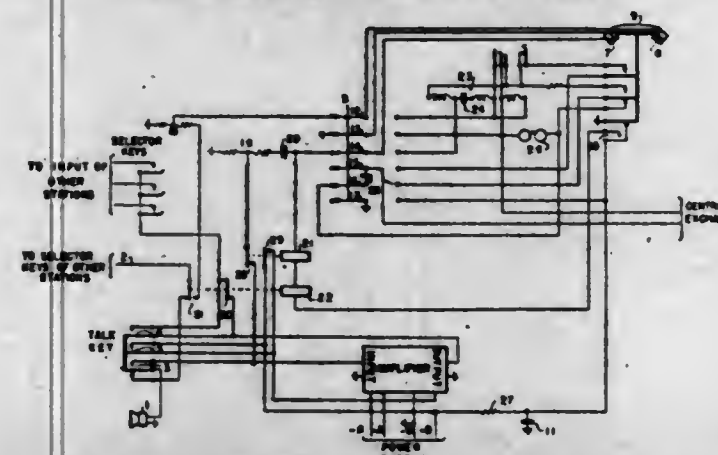
2,384,913

COMMUNICATION SYSTEM

Roswell H. Herrick, Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application April 17, 1944, Serial No. 531,381

11 Claims. (Cl. 179-42)



1. In a communication system, a station comprising amplifying means and a telephone substation set having a transmitter and a receiver, a line extending from said telephone substation set to a central exchange, a second station, an intercommunicating line for connecting said amplifying means to said second station, switching means at said first station for disconnecting the transmitter thereat from said telephone substation set and for associating it with said amplifying means, and means for reducing the output of said transmitter when so associated.

2,384,914

PLUMB BOB LINE REEL

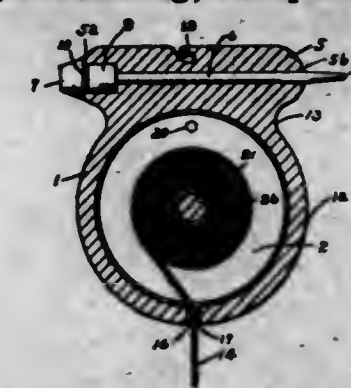
Le Roy I. Hoagland, Seaside, Oreg.

Application December 9, 1944, Serial No. 567,366

7 Claims. (Cl. 242-101)

5. A plumb bob line reel comprising a relatively thin cylindrical casing having an integral

massive cap formed thereon, a drum rotatably mounted in said casing, and means for fastening said reel to a mounting, comprising a nailing de-



vice fixed in said casing extending transversely and continuously thru said casing cap, having a protruding head at one end and a sharpened point at the other.

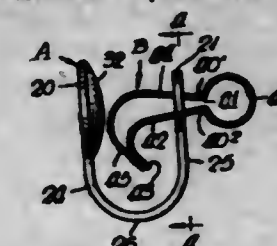
2,384,915

EARRING

Louis Hoffman, Brooklyn, N. Y.

Application November 13, 1943, Serial No. 510,094

9 Claims. (Cl. 63-14)



1. An earring comprising a U-shaped ornament-carrying member adapted to embrace the edge of the lobe of the ear, one of the legs of said member having an opening therethrough and a locking member adapted to be received in said opening for sliding adjustment therethrough, said locking member comprising two relatively yieldable fingers in superimposed relation and diverging outwardly, one of said fingers being adapted to engage the upper edge of the opening and the other the lower edge of the opening whereby the movement of said locking member to an ear lobe releasing position will be resisted by the increased pressure exerted thereon as the result of said movement.

2,384,916

METHOD OF PRODUCING HIGH MOLECULAR WEIGHT ISO-OLEFIN POLYMERS

Robert L. Holmes, Roselle, N. J., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana

No Drawing. Application June 15, 1940,

Serial No. 340,781

11 Claims. (Cl. 260-93)

9. In a process of producing high molecular weight polymers by polymerization of unsaturated hydrocarbon reactants containing principally isobutylene and a small proportion of a diolefin at a reaction temperature below -10° C. in the presence of a Friedel-Crafts halide type catalyst, the improvement which comprises polymerizing the unsaturated hydrocarbon reactants with an addition of an aliphatic ether having from 4 to 10 carbon atoms per molecule in a polymerization promoting concentration of less than about 1%.

2,384,917

GRINDING DEVICE

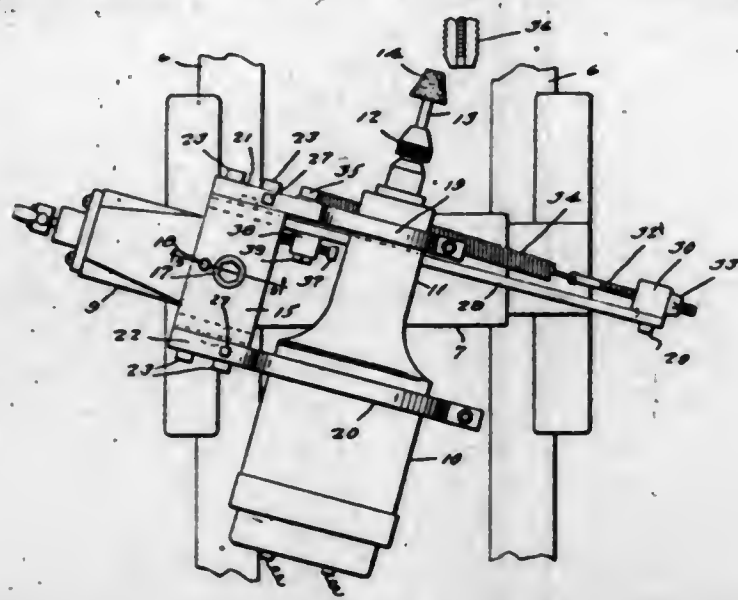
Louis M. Holtz, Chicago, Ill.

Application August 30, 1944, Serial No. 551,865

5 Claims. (Cl. 51-259)

5. In a grinding machine, a portable grinder, a support, a horizontal plate, means pivotally

mounting said plate upon the support for turning movement about a vertical axis, clamps rigidly attached to opposite sides of said plate and projecting laterally therefrom, said clamps embracing the motor casing of the grinder at spaced points, a bar attached at one end to one side of

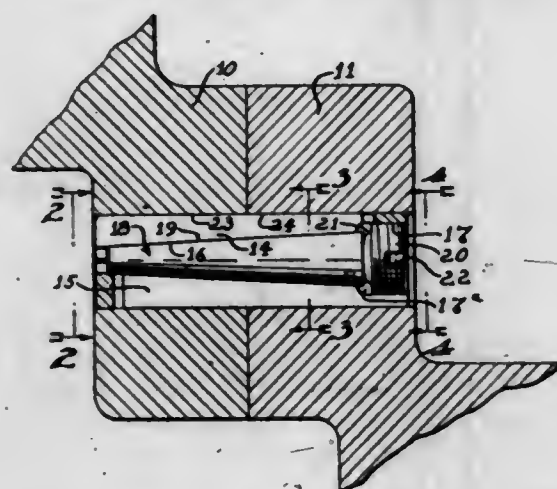


the support and projecting therefrom beneath and beyond the grinder and the clamps, and a helical tension spring attached to one of the clamps and the free end of said bar for swinging the grinder about said axis to cause engagement of its grinding tool with the work.

2,384,918

DOWEL CONSTRUCTION

Addison Ray Houk, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application June 10, 1944, Serial No. 539,678
4 Claims. (85-14)



1. The combination with a plurality of parts adapted to be held together and having aligned holes, of a dowel comprising an expandible holding sleeve fitting within the openings and internal conical surface portions located in the aligned holes of at least two of the plurality of parts and a member having exterior conical surface portions located in the aligned holes of at least two of the plurality of parts in engagement with internal conical surface portions on the sleeve and being axially adjustable with respect to the sleeve for acting through the conical surface portions to expand the sleeve into holding engagement with the aligned openings of at least two of the plurality of parts, the sleeve and the member being associated with threaded portions engaging one another for causing axial adjustment of the member with respect to the sleeve to result from relative turning of the threaded portions, the member being at least as short as the sleeve so as to be enabled to be contained entirely within the length of the sleeve.

2,384,919

TURBINE BLADE ATTACHMENT BY WELDING

Walter Huber, Winterthur, Switzerland, assignor to Sulzer Freres, Société Anonyme, Winterthur, Switzerland
Application August 25, 1943, Serial No. 499,911
In Switzerland November 5, 1942
8 Claims. (Cl. 253-77)

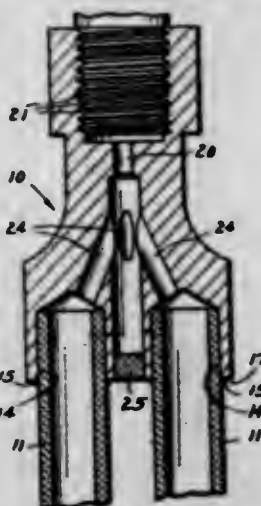


1. A turbo-machine which comprises at least one disc, a groove in the periphery of the disc, a ring mounted in the groove, said ring having rigid supporting shoulders and yielding supporting shoulders, a plurality of blades each having a groove in its root for mounting the blades astraddle over the ring, means to weld the blades to the disc on each side of the ring, so that prior to welding said blades lie on the yielding shoulders and after welding and contracting said blades lie on the rigid shoulders, and spacer means between adjacent blades to permit circumferential shrinkage after welding.

2,384,920

MULTIFLAME HEATING TORCH

Howard G. Hughey, Bloomfield, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application March 7, 1941, Serial No. 382,160
2 Claims. (Cl. 158-27.4)



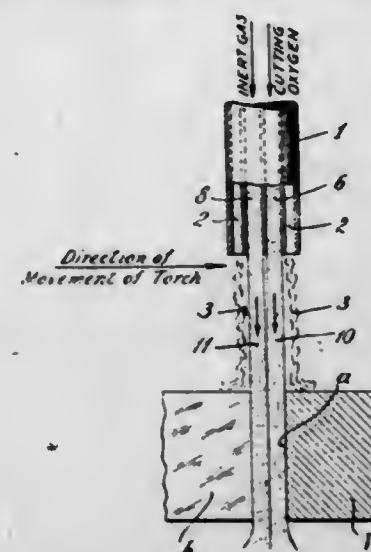
1. An oxy-fuel gas torch including a mixer for the oxygen and fuel gas, a header connected directly to the mixer with a central passage into which gas flows from the mixer, a restricting port at the end of the central passage close to said mixer, there being an abrupt change in cross-section from said restricting port to the portion of said passage on the downstream side of the port for causing turbulence and more thorough mixing of the oxygen and fuel gas as they flow through said central passage, a circle of recesses in the end face of the header remote from the mixer, flexible copper tubes, each with one end fitting and secured in one of the recesses and with a jet orifice at its other end, branch conduits in the header connecting each of the tubes with the central passage, said branch conduits diverging from the central passage at the same section, and at equal acute angles to the axis of the central passage, at equi-angular points around the circumference of the central passage, and

each of said branch conduits having a cross-section substantially equal to the cross-section of the jet orifice at the end of the tube to which the branch passage supplies gas, the restricting port in the central passage having a cross-section of the order of 85% of the sum of the cross-sections of the jet orifices, the central passage extending beyond the region at which it communicates with the branch conduits and terminating in a dead end that forms a pocket for increasing the turbulence of the gas mixture at the region where it divides into the branch conduits.

2,384,921

APPARATUS FOR CUTTING METAL

Howard G. Hughey, Fanwood, N. J., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application January 14, 1944, Serial No. 518,283
2 Claims. (Cl. 158-27.4)

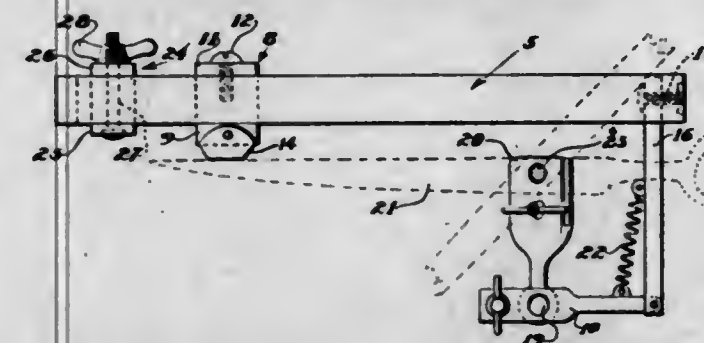


1. A gas cutting torch having a tip, a number of gas passages in the tip terminating in a circular series of discharge orifices in the face of the tip for supplying a combustible gas mixture to preheating flames, and two adjacent passages in the tip terminating in central discharge orifices in the face of the tip both of which are located within said circular series of discharge orifices, one of said central discharge orifices being located immediately to the rear of the other, and the passage having the forward one of said central discharge orifices being in communication with a source of cutting oxygen and the passage having the rearward one of said central discharge orifices being in communication with a source of inert gas.

2,384,922

SCISSOR SHARPENING OR LIKE DEVICE

Domenic L. Iafrate, Newton, Mass.
Application November 7, 1944, Serial No. 562,290
4 Claims. (Cl. 76-82.2)



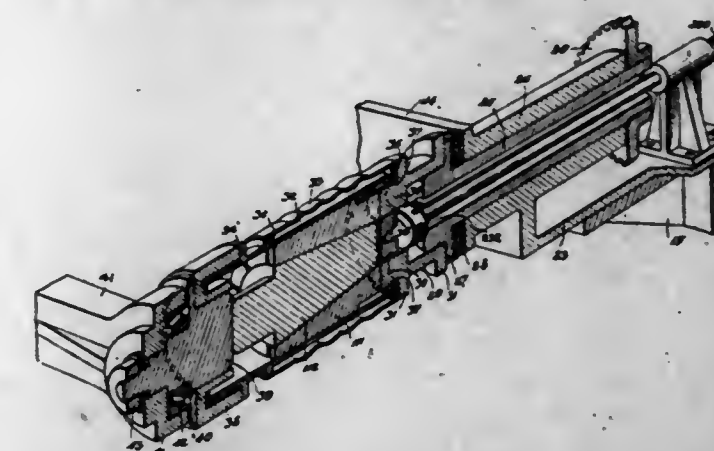
1. A device for use in sharpening scissors or the like, said device comprising a base, a slide supported by said base, a sharpening element on said slide, a support attached to said base adjacent one of its ends, a universally adjustable clamp pivotally attached to said support to clamp the

578 O. G.-23

2,384,923

RESISTANCE WELDING MACHINE

Edmond J. P. James, Akron, Ohio, assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application July 15, 1942, Serial No. 450,951
6 Claims. (Cl. 219-4)

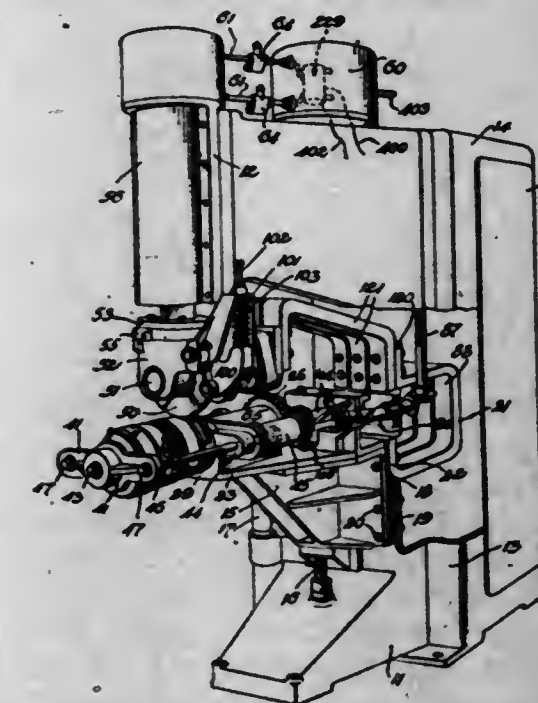


1. In a machine having a pair of electrode means for resistance welding work pieces together, electric circuit means connected with the electrodes for heating the work pieces, electric circuit means for supplying welding current to said electrode means, a pair of switches in series in said welding circuit means, one of said switches being controlled manually and the other switch being normally open, a normally closed switch in the heating circuit, and means responsive to temperature rise in one of the work pieces for closing the normally open welding circuit switch and opening the normally closed heating circuit switch.

2,384,924

RESISTANCE WELDING MACHINE

Edmond J. P. James, Canal Fulton, Ohio, assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Original application July 15, 1942, Serial No. 450,951. Divided and this application October 5, 1944, Serial No. 557,242
8 Claims. (Cl. 219-4)



1. In a machine for resistance welding telescoped out-of-round work pieces together, a carrier electrode structure on which the interior work

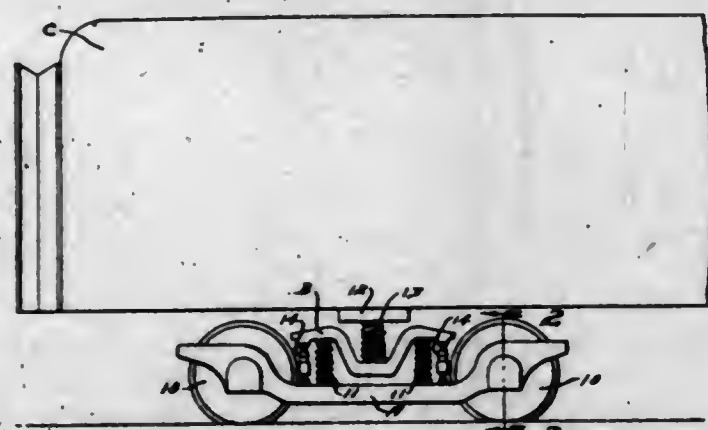
piece is fixed, means supporting said carrier structure for rotation on a constant axis, a roller electrode structure for engaging the exterior work piece, means for supplying uniformly timed welding current intermittently to said electrode structures, and drive means for rotating the carrier electrode structure so that the surface speed of the out-of-round work piece fixed thereon is uniform.

2,384,925

VEHICLE SUSPENSION

Robert N. Janeway, Detroit, Mich., assignor to Railroad Rolling Stock Patents Corporation, Highland Park, Mich., a corporation of Delaware

Application August 1, 1942, Serial No. 453,164
5 Claims. (Cl. 105-453)



1. In a railway vehicle, a car body, a support member therefor, an intermediate support member, a side frame, wheels, a first elastic supporting means between the body support member and the intermediate support member, a second elastic supporting means between the intermediate support member and the said frame, a third elastic supporting means between the side frame and the wheels, the arrangement of the above being such that the natural vibrating frequency of the intermediate supporting member and the second elastic supporting means is at least twice that of the car body, the body support member, and the first elastic supporting means and is at least as small as half that of the side frame and the third supporting means on the wheels, the first elastic supporting means being relatively soft and the second elastic supporting means being relatively stiff, and damping means connected only across the relatively stiff second elastic supporting means to leave the relatively soft first elastic supporting means free to cushion impact.

2,384,926

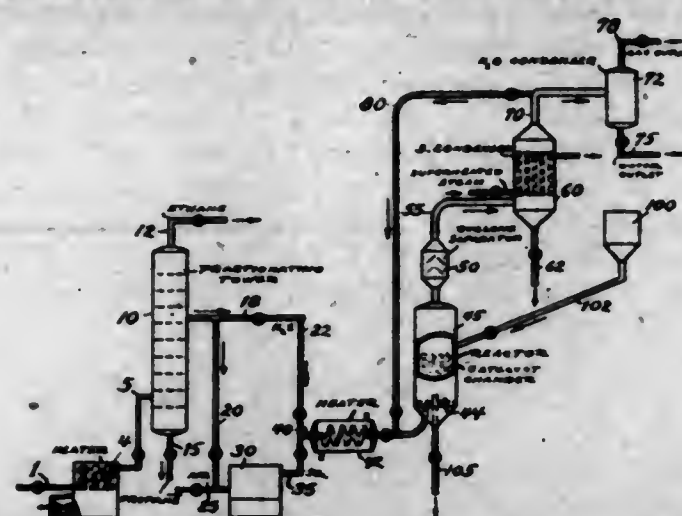
PROCESS FOR PRODUCING SULPHUR

Minor C. K. Jones, Mountainside, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application December 17, 1942, Serial No. 469,280
10 Claims. (Cl. 23-225)

1. The method of producing sulphur from hydrogen sulphide which comprises maintaining a mass of powdered catalyst in a reaction zone in the form of a dense suspension, continuously forcing into said reaction zone a mixture of about equal molecular proportions of SO_2 and H_2S at elevated temperatures, regulating the superficial velocity of the gaseous mixture in said reaction zone to cause the catalyst to be maintained in the form of a turbulent, dense suspension, permitting the reactance to remain in the reaction zone for a period of time sufficient to cause the de-

sired conversion of hydrogen sulphide to sulphur by interaction with SO_2 , withdrawing the reaction



products, cooling to a temperature sufficient to liquefy the sulphur and withdrawing the latter from the system.

2,384,927

SHOE CONSTRUCTION

Charles A. Julianelli, New York, N. Y.
Application November 24, 1942, Serial No. 466,720
1 Claim. (Cl. 36-4)



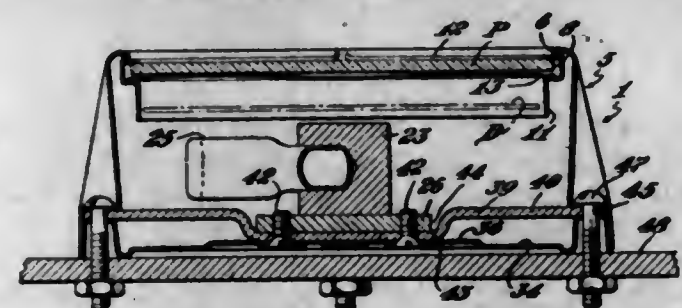
A shoe comprising a sheet of material defining an insole and containing a plurality of notches defining a series of relatively narrow divergent flaps having contiguous bases defining the toe and ball support portions of said insole, said flaps extending completely around the periphery of such toe and ball support portions, the contiguous sides and abutting outer ends of said flaps being joined together to constitute a foot conforming closed upper for the shoe.

2,384,928

CASE FOR DIAL INSTRUMENTS

Samuel Kahn, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey

Application March 10, 1943, Serial No. 478,635
19 Claims. (Cl. 73-431)

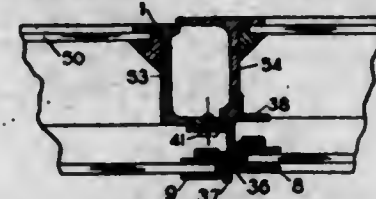


14. An instrument case comprising a unitary body portion, a back and a movement-mounting plate, the body portion and back being of thin material and the mounting plate being of relatively thick material, the body portion having circumferentially spaced indentations defining fastener-receiving niches, each niche having a bottom wall spaced forwardly from the rear edge of the body portion, the mounting plate engaging the rear surfaces of said bottom walls, the back having a forwardly directed marginal bead which engages the rear surface of the mounting plate, and means operative to clamp the body portion, mounting plate and back member together.

2,384,929

CASEMENT STORM WINDOW

Harry A. Kaufmann, Grosse Pointe Park, Mich.
Application November 11, 1942, Serial No. 465,285
19 Claims. (Cl. 189-64)

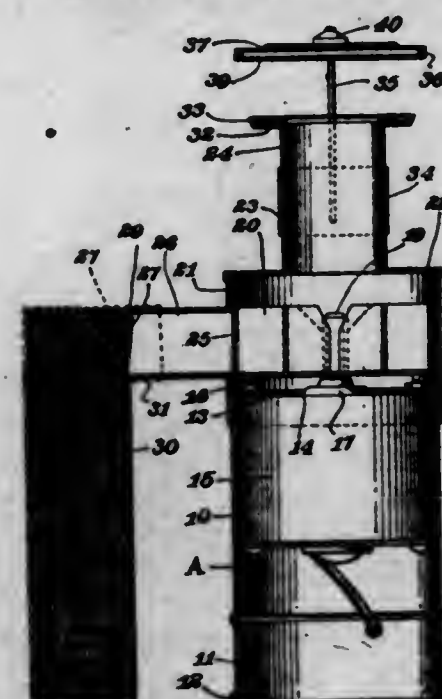


1. Storm sash for a casement window comprising: a plurality of independent but cooperating sections each mounted independently on a portion of the casement window and each section consisting of a relatively permanent part and a relatively removable part, wherein said relatively permanent part comprises two spaced members both parallel to the casement panel of which one member supports said relatively movable part and the other member is affixed to a portion of the casement sash at a point on said other member located directly between the first above-named member and the portion of the casement sash to which said relatively permanent part is attached.

2,384,930

INSECT TRAP

Fayette D. Kendrick, St. Paul, Minn.
Application April 29, 1942, Serial No. 440,932
1 Claim. (Cl. 43-113)

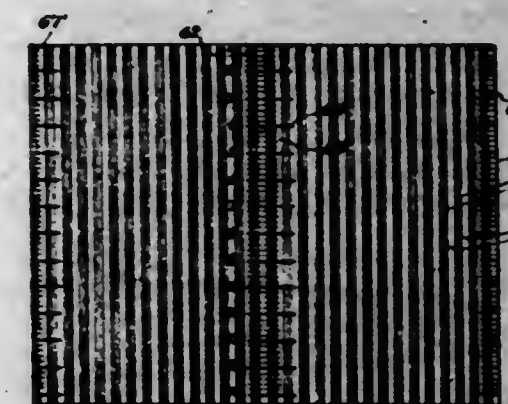


An insect trap including a cylindrical casing, a sleeve slidably and removably mounted on the upper end thereof, said sleeve having an elongated cap thereon, the upper end of the cap being provided with a dished flange, an intermediate portion of the cap having a diameter less than the lower portion of the cap and the dished flange, means surrounding said intermediate portion and slidably mounted thereon, supporting means secured to the first means and extending upwardly therefrom, a deflector secured to the supporting means, said first means being positioned in close fitting relation to said intermediate portion and adapted to be adjustably positioned along the length thereof to vary the space between the deflector and the dished flange, a motor within the casing, a fan connected to the motor for actuation thereby, the axis of the fan being coaxial with the intermediate portion of the cap, said sleeve also having a tube in the side wall thereof communicating with the effective zone of the fan, means extending from the tube for receiving insects directed thereto by the fan, and means in the tube to prevent escape of the insects from the receiving means when the operation of the fan is discontinued.

2,384,931

SYNCHRONIZING GENERATOR

Robert E. Kessler, Upper Montclair, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application January 14, 1942, Serial No. 426,695
1 Claim. (Cl. 250-36)

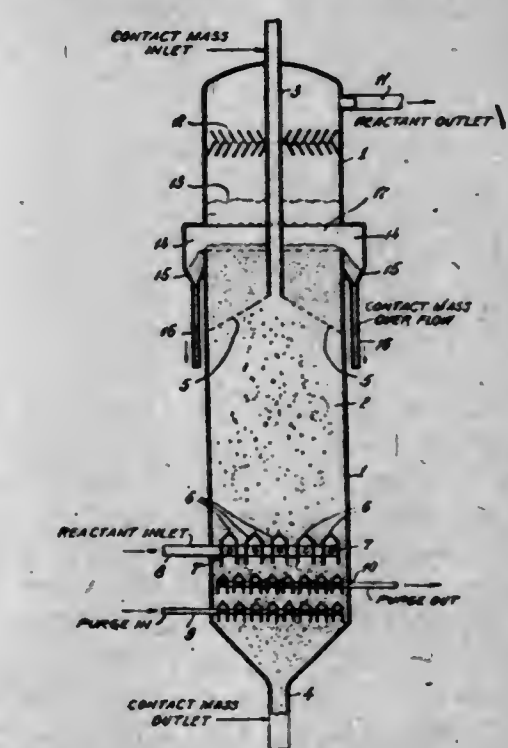


In a device of the character described, an oscillator for generating a predetermined frequency, means to control said frequency, a series of frequency dividers connected to said oscillator, and means to obtain a composite signal from said oscillator and one of said frequency dividers in which a mixer is provided for said composite signal, a keying tube is provided between said oscillator and said mixer, and a switch and by-pass resistance is provided across said keying tube.

2,384,932

METHOD AND APPARATUS FOR THE CONVERSION OF HYDROCARBONS

Charles H. Lechthaler, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application October 8, 1943, Serial No. 505,428
4 Claims. (Cl. 196-52)



1. A method for the conversion of hydrocarbons in the presence of a particle form solid contact mass material comprising flowing contact mass downwardly under the influence of gravity through a confined passage and withdrawing it from the bottom thereof at a rate sufficient to keep said passage partially filled with a column of contact mass material, introducing fluid reactant into said column at a point adjacent to but spaced above its bottom end, flowing the reactant upwardly through said column at a rate sufficient to maintain said column in a turbulent condition but insufficient to carry away normal sized particles from said column, withdrawing reactant from said passage at a point above the

top of said column, withdrawing overflow of contact mass material from the top of said column to a space without said passage, and removing said withdrawn material from said space.

2,384,933

VARIABLE CAMBER AIRPLANE WING

Harry F. Lee, Grand Junction, Colo.
Application August 21, 1941, Serial No. 407,758
6 Claims. (Cl. 244-44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

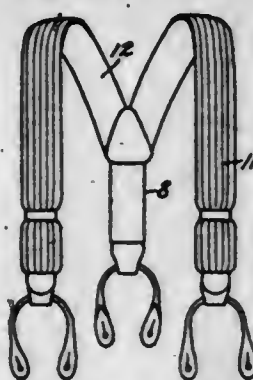


1. In an airplane wing, a rigid rear section, a rigid front section, a hinge for pivoting said front section to the forward end of said rear section, said hinge being disposed at a point vertically offset from the longitudinal axis of the wing, said hinge comprising a pair of brackets, one of said brackets having a horizontal slot, a block slidably disposed in said slot, a shaft secured to said block and rotatably engaged with the other bracket, a lever arm integral with the front section extending within the rear section, and means for actuating said arm so as to move said front section about the hinge.

2,384,934

KNITTED ARTICLE OF APPAREL AND FABRIC THEREFOR

Nathan Levin, Trenton, N. J.
Application August 31, 1944, Serial No. 552,073
7 Claims. (Cl. 66-171)



1. An article of apparel of the type subject to lengthwise strain in use such as suspenders, belts and the like, which includes as an integral part thereof one or more separate lengths of tubular knitted fabric each of which has a plurality of walewise extending wrap threads incorporated therein for substantially the full length thereof, each of said lengths of tubular fabric including the said wrap threads being under walewise tension substantially throughout the full length thereof during the wearing of the article, the walewise lengthening and the coursewise contraction under the said tension being limited by the said wrap threads.

2,384,935

CONDENSATION PRODUCTS AND METHODS OF PREPARING AND USING THE SAME

Eugene Lieber, Staten Island, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 22, 1940, Serial No. 366,707

7 Claims. (Cl. 260-592)

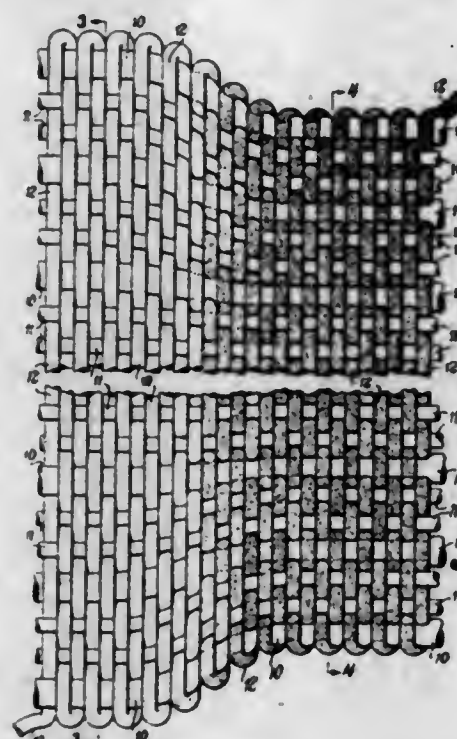
1. The process which comprises reacting an alkyl aryl ketone with a low molecular weight car-

bonyl group-containing interlinking agent compound selected from the group consisting of aldehydes and ketones containing less than 10 carbon atoms, with the assistance of a dehydrating catalyst at a temperature of about 100° to 300° F. and subjecting the reaction mixture to fire and steam distillation up to about 600° F. to obtain the desired condensation as distillation residue.

2,384,936

ELASTIC FABRIC AND METHOD FOR PRODUCING THE SAME

Samuel C. Lilley, Hamden, and Edward E. Foster, Southport, Conn., assignors to United Elastic Corporation, Easthampton, Mass., a corporation of Massachusetts
Application June 11, 1942, Serial No. 446,580
15 Claims. (Cl. 28-73)



1. A method for producing woven elastic fabrics which method includes interweaving a plurality of laterally-spaced-apart elastic strands and a plurality of heat-shrinkable strands of artificial resin in such manner that individual strands of the said plurality of heat-shrinkable strands extend crosswise with respect to a plurality of the said elastic strands in position to compress and grip the latter strands when the heat-shrinkable strands are shrunk; and then subjecting the heat-shrinkable strands to the action of heat to cause the same to contract to grip the said elastic strands in the fabric.

2,384,937

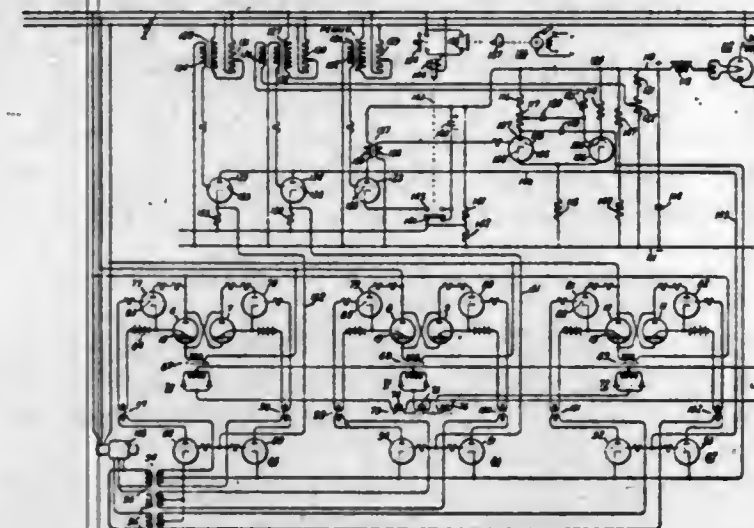
ELECTRIC VALVE TRANSLATING APPARATUS

Orrin W. Livingston, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application April 23, 1942, Serial No. 440,160

12 Claims. (Cl. 175-363)

12. In combination, an n phase alternating current supply circuit, a load circuit, n single phase transforming means each including a primary winding and a secondary winding, n pairs of reversely connected electric valve means, said electric valve means and said primary windings being connected in an n -sided mesh with each side of the mesh including in series one pair of reversely connected electric valves and the primary winding of one of the transformers, said mesh being connected for energization from said alternating current supply circuit, means for con-

trolling the initiation of conduction of said electric valve means synchronously with respect to the voltage of said supply circuit for effecting the successive energization of said primary windings each at the same phase position in the voltage



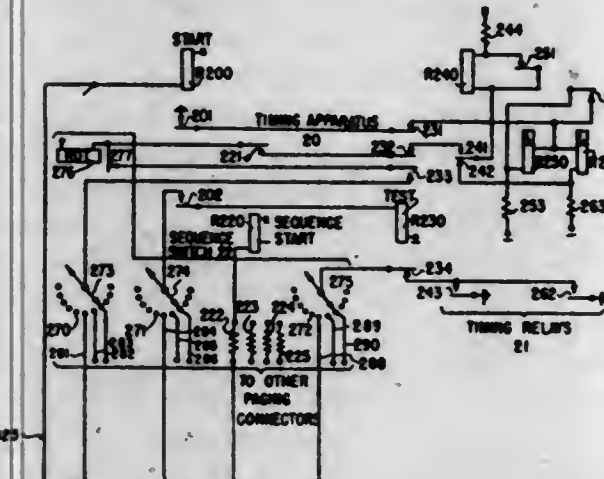
wave of the phase from which it is energized, a plurality of biphasic rectifiers connected to said transforming means, and inductive means connected between said load circuit and said plurality of biphasic rectifiers for inductively linking the output circuits of said biphasic rectifiers.

2,384,938

SIGNALING SYSTEM

Clarence E. Lomax, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware

Original application April 26, 1941, Serial No. 390,595, now Patent No. 2,335,524, dated November 30, 1943. Divided and this application November 23, 1942, Serial No. 466,568
6 Claims. (Cl. 177-353)

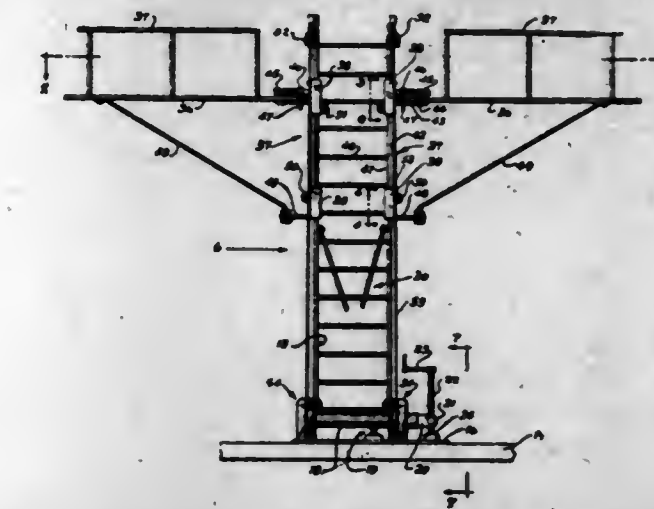


5. In a paging system, a display board including the indicators for displaying indications of persons to be paged, a plurality of control stations each including a signal transmitting device, a plurality of selectively controllable set-up apparatus for setting up indications for display by said indicators under the control of the signal transmitting device at any one of said plurality of stations, sequence switch means for operatively connecting in sequence the plurality of set-up apparatus to the indicators of the display board and thereby causing the indicators to display in sequence the indications set up in the plurality of set-up apparatus, operating means for said switch means to cause said switch means to perform its sequential switching, and means operative by each set-up apparatus only if an indication is set up therein for arresting the operation of said sequence switch in cooperation with said one set-up apparatus for a predetermined time and thereafter permit said sequence switch to continue its sequential operation.

2,384,939

PORTABLE LADDER AND ADJUSTABLE PLATFORM ASSEMBLY

Byron C. Lord, Clayton, Mich.
Application January 29, 1945, Serial No. 575,095
8 Claims. (Cl. 304-29)

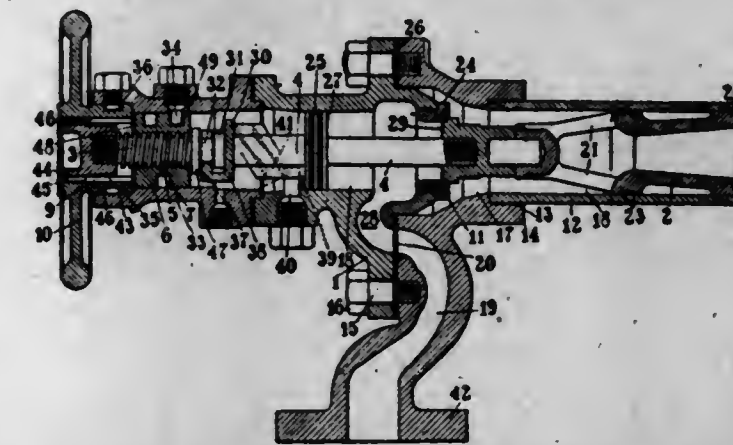


1. In a structural assemblage of the class described, a portable relatively fixed support, a ladder, means rigidly mounted on the bottom of the ladder and connected to the support by a universal joint, a crank-equipped universally mounted feed screw on said support, and an operating and adjusting connection between the feed screw and ladder for adjusting the ladder in predetermined directions in respect to the support, together with a pinion and rack bar device, said rack bar being connected with the ladder and also universally connected with the support.

2,384,940

TUBE CLEANING APPARATUS FOR BOILERS AND THE LIKE

Charles Fletcher Lumb, Kingston Hill, and Frank George William Spears, Potters Bar, England
Application August 10, 1942, Serial No. 454,318
In Great Britain May 21, 1942
1 Claim. (Cl. 15-104.045)



Apparatus for cleaning boiler tubes and the like comprising a hollow casing forming a steam chest and provided with an inlet for the operating fluid, a valve seat at the inner end of the steam chest, a blower nozzle arranged within the casing, a valve carried with the nozzle and cooperating with the seat, a finely threaded spindle arranged in the casing as a coaxial extension of the nozzle and in loose operative connection with the inner end of the blower nozzle, a piston also carried with the nozzle and of greater area than the valve so that the fluid causes the nozzle to exert pressure on the threaded spindle, the piston being provided with an inclined groove and a straight groove communicating therewith, a pin in the casing operating in the communicating grooves to effect an initial straight movement of the piston during initial opening of the valve and a subsequent turning movement thereof and of the nozzle when the pin engages the inclined portion of the groove, an abutment on the outer end of the threaded

spindle, an operating member rotatably mounted on the casing and slidably receiving the abutment, a finely threaded nut mounted within the casing and through which the finely threaded spindle is operatively mounted, a pin and coarse helical groove connection between the outer surface of the nut and the casing, the arrangement being such that when the operating member is rotated, the spindle first moves through the nut until the abutment strikes the latter whereupon the nut partakes in a limited rotary movement which is translated to the blower nozzle.

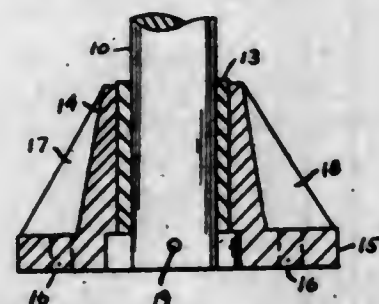
2,384,941

BEARING FOR RUDDER SHAFTS

Herschel Lyons, Lafitte, La.

Application August 29, 1944, Serial No. 551,655

4 Claims. (Cl. 114-165)



1. In combination with a boat having a rearwardly extending skeg, a rudder shaft, an imperforate bushing of wear resistant insulating material around the lower portion of said shaft, and an upwardly extended housing for said bushing secured to the said skeg.

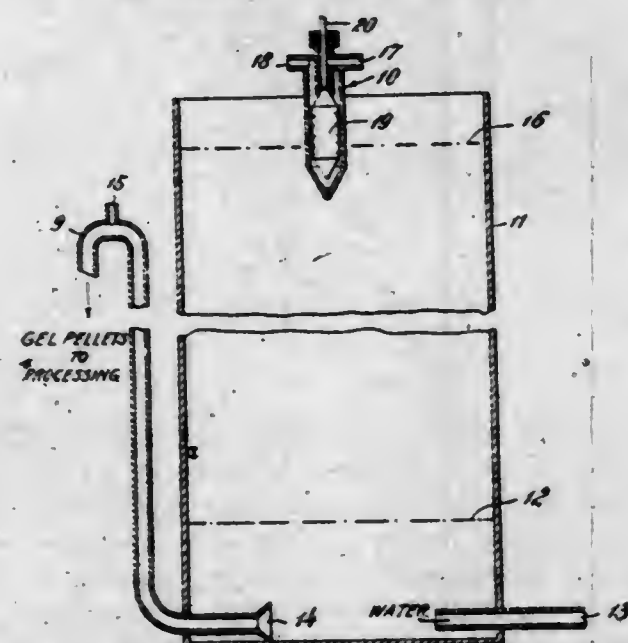
2,384,942

CONTACTING PROCESS

Milton M. Marisic, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application March 3, 1943, Serial No. 477,808

5 Claims. (Cl. 196-52)



1. In a process for the manufacture of valuable hydrocarbon products by contacting reactants containing carbon and hydrogen with an inorganic synthetic gel, the improvement which comprises contacting said reactants at conditions of temperature and pressure suitable for the process with hard homogeneous porous dried particles of said gel bounded by smooth hard glossy surfaces consisting substantially of smooth curves and characterized by a high resistance to attrition loss, said particles having been produced by a process which comprises forming a hydrosol of inorganic oxide characterized by an inherent capacity to set to a hydrogel upon the lapse of a suitable period

of time without addition to or subtraction from said gel of any substance, admitting said sol in the form of separate globules to a body of a fluid medium substantially immiscible with water in which said globules assume spheroidal shape due to surface tension at the interface between said sol and said medium, retaining said spheroidal globules in said medium until gelation occurs thus forming spheroids of hydrogel, effecting retention in said sol of substantially all the constituents of said sol until gelation occurs and drying the hydrogel spheroids.

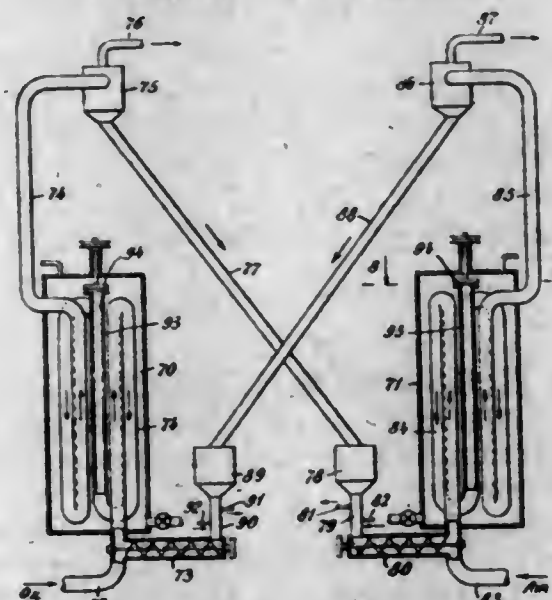
2,384,943

CONVERSION OF HYDROCARBONS

Milton M. Marisic, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application April 22, 1943, Serial No. 483,993

8 Claims. (Cl. 196-52)



1. In a process for the manufacture of valuable hydrocarbon products by conversion of heavier hydrocarbon reactants in contact with an inorganic synthetic gel conversion catalyst containing silica and a metal oxide, the improvement which comprises contacting said hydrocarbon reactants at conversion conditions of temperature and pressure with hard homogeneous porous dried particles of said gel bounded by smooth hard glossy surfaces consisting substantially of smooth curves and characterized by a high resistance to attrition loss, said particles having been produced by a process which comprises forming a hydrosol of inorganic oxide including silica and said metal oxide characterized by an inherent capacity to set to a hydrogel upon the lapse of a suitable period of time without addition to or subtraction from said gel of any substance, admitting said sol in the form of separate globules to a body of a fluid medium substantially immiscible with water in which said globules assume spheroidal shape due to surface tension at the interface between said sol and said medium, retaining said spheroidal globules in said medium until gelation occurs thus forming spheroids of hydrogel, effecting retention in said sol of substantially all the constituents of said sol until gelation occurs and drying the hydrogel spheroids.

2,384,944

MANUFACTURE OF CATALYST

Milton M. Marisic, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application June 19, 1943, Serial No. 491,544

3 Claims. (Cl. 252-250)

2. A process for preparing smooth surfaced catalyst particles having a shell of hard dry gel surrounding a core; which process comprises prepar-

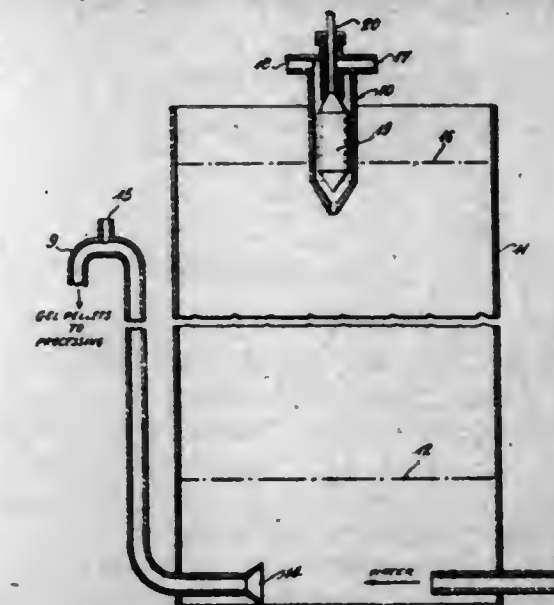
2,384,946

HYDROGEL PELLETS

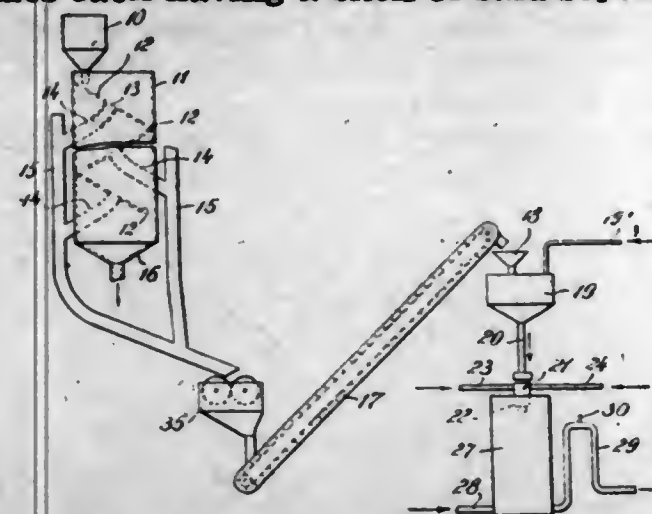
Milton M. Marisic, Northfield, Ill., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application April 24, 1945, Serial No. 590,071

20 Claims. (Cl. 252-235)



ing a viscous slurry of ground dried gel, extruding the slurry to form drops thereof, extruding about the drops of slurry a hydrosol of inorganic oxide characterized by an inherent capacity to set to a hydrogel upon the lapse of a suitable period of time without addition to or subtraction from said sol of any substance, to thereby form compound globules each having a shell of said sol and a core



of said slurry, admitting said globules to a body of a liquid medium substantially immiscible with water in which said globules assume spheroidal shape due to surface tension between said sol and said liquid medium, retaining said compound globules in said medium until gelation occurs, effecting retention in said hydrosol of substantially all the constituents of said sol until gelation occurs, washing the compound globules after gelation and drying the washed globules.

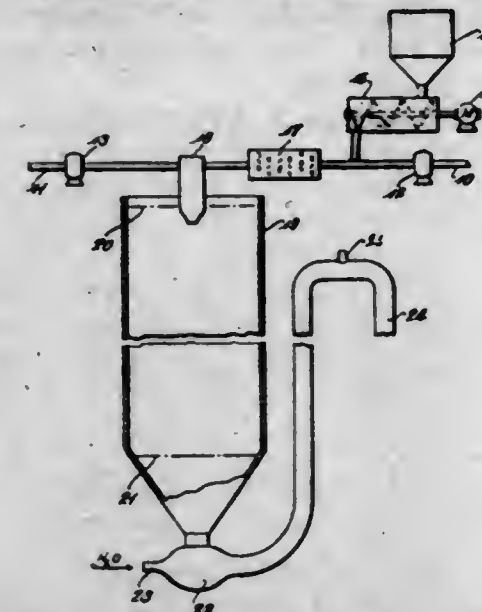
2,384,945

SPHEROIDAL GEL PARTICLES

Milton M. Marisic, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application April 19, 1944, Serial No. 531,814

9 Claims. (Cl. 252-317)



1. A process for making spheroidal particles of inorganic oxide gels modified by inclusion of substances forming discontinuities in the gel mass which comprises preparing a gelable aqueous sol of at least one water-insoluble inorganic oxide, effecting dispersion in said sol of small amounts of a gas insoluble in said sol whereby the said gas is dispersed through the sol as particles of a phase discontinuous with the sol, injecting said sol containing said dispersed gas into a body of a water-immiscible liquid whereby the sol is caused to take the form of a plurality of separate substantially spheroidal globules, retaining said globules in said liquid until gelation of said sol has occurred and thereafter removing the globules of hydrogel so formed; said small amounts of said gas being of such size and quantity that the major proportion of said hydrogel globules will include a plurality of said particles of said gas.

2,384,947

VINYLDENE CHLORIDE COMPOSITIONS

Lorne A. Matheson, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application July 18, 1941,

Serial No. 403,021

2 Claims. (Cl. 260-43)

1. A thermoplastic composition, the essential ingredients of which are a vinylidene chloride polymer in which the vinylidene chloride constitutes at least 70 per cent of the polymer, and from about 2 to about 7.5 per cent, based on the weight of the polymer, of an unmodified phenol-formaldehyde resin having a melting point near 106° C., a specific gravity of about 1.18, and an acid number in the range 30-40, which resin is soluble in the common lacquer solvents, but incompletely soluble in mineral spirits.

2,384,948

TELEPHONE SWITCH OR TELEPHONE CONTACT

George H. McLoughlin, Scranton, Pa., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application December 9, 1940, Serial No. 369,157

1 Claim. (Cl. 179-159)

A telephone switch system comprising two or more sets of magnets arranged to act in unity and consisting of a plurality of magnets movably

mounted within a desk set, in combination with a plurality of magnets immovably mounted on a hand set, said magnets having their like poles so arranged that one set of like poles are adjacent each other while the other set of like poles are remote from each other and also being so arranged as to establish magnetic repulsion forces between said desk set magnets and said hand set

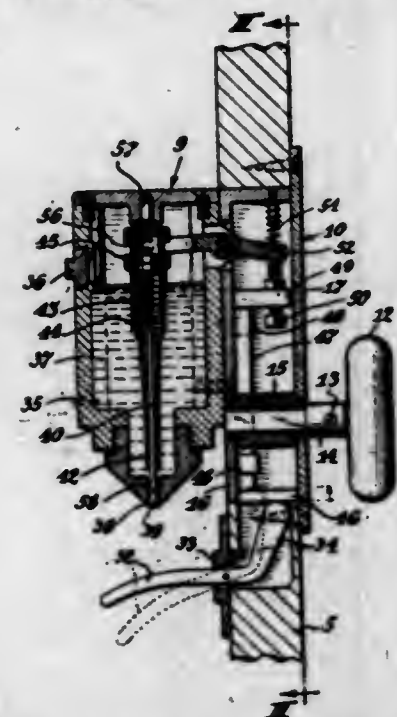


magnets when the hand set is supported in any position on the desk set, electrical contact points arranged to cooperate with said desk set magnets, said repulsion forces causing a united displacement of all desk set magnets to hold open said electrical contact points, spring means urging said contact points into contact, whereby the circuit through the desk set is completed only when the hand set is removed from the desk set.

2,384,949

SANITARY APPARATUS FOR TOILET DOORS

Louis J. Menges, Montclair, N. J.

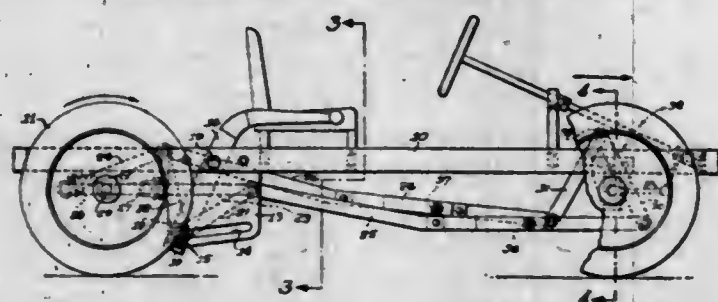
Application October 8, 1943, Serial No. 505,481
6 Claims. (Cl. 292-1)

1. A sanitary apparatus for the door of a toilet enclosure comprising a dispensing means secured to the inside of the door directly adjacent the inside operator for the door latch, said dispensing means being operated by means which are actuated by said inside operator for the latch.

2,384,950

NONDEAD CENTERING CRANK ACTUATING MECHANISM

Alexander J. Middler, Detroit, Mich.

Application December 4, 1944, Serial No. 566,594
15 Claims. (Cl. 280-237)

1. In a pedal propelled vehicle, a single plane two-throw crankshaft having wheels mounted

thereon, pedal members and rods operatively connected with said crankshaft and rockably supported upon arms carried by a shaft and means for shifting the latter.

2,384,951

AUTOMOTIVE TRIM

John E. Millar, Reno, Nev., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware

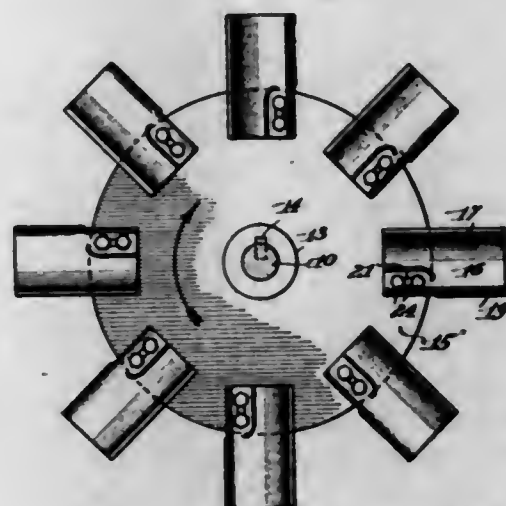
Application March 4, 1940, Serial No. 322,248
3 Claims. (Cl. 117-13)

3. In the manufacture of trim panels, the method of flocking different areas of adhesively coated fabric, comprising the steps of vibrating said fabric and simultaneously depositing onto one area of said coated fabric relatively short fine cut fibers so that such fibers will be imbedded endwise in the adhesive coating on said fabric to simulate the pile of velvet, mohair and the like, then vibrating said fabric and simultaneously depositing onto another area of said fabric relatively long coarse and stiff fibers so that such fibers will be imbedded endwise in the adhesive coating on said fabric to simulate a woven carpet.

2,384,952

DISPERSING AGITATOR

Frank D. Miller, Rochester, N. Y., assignor to Mixing Equipment Co., Inc., Rochester, N. Y., a corporation of New York

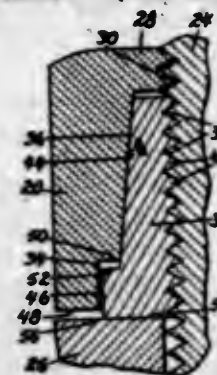
Application September 2, 1942, Serial No. 457,025
12 Claims. (Cl. 259-134)

1. A dispersing agitator for rotation in the liquid contents of a container, comprising a driving shaft having a free end extending downwardly into said liquid contents, means for attachment to said shaft, supporting means extending radially from said attaching means, and a series of unshrouded blades mounted in circumferentially spaced relation on said supporting means, each of said blades having radially extending opposite sides diverging from each other from the leading toward the trailing edge of the blade to form currents flowing in radial and opposite axial directions in said contents and a dispersing cavitation zone in rear thereof.

2,384,953

SELF-LOCKING NUT

Raymond J. Miller, Detroit, Mich., assignor to American Pattern and Manufacturing Co., a partnership consisting of said Miller and Alfred E. Willson, Detroit, Mich.

Application August 19, 1941, Serial No. 407,469
5 Claims. (Cl. 151-19)

2. In a locking device for a threaded member a nut having a threaded segment at its top, a circular cylindrical axially extending bore at the bottom of the nut, a conical driving surface between the threaded segment and the axial bore, an inwardly extending shoulder between the conical driving surface and the threaded segment, an inwardly extending shoulder between said axial bore and the conical driving surface, a contractible locking sleeve having a circular cylindrical flange slidably mounted in said bore and frictionally engaging the walls of said bore to maintain the sleeve and nut assembled and to rotate the sleeve with the nut when initially applied to a threaded member, a conical driven surface positioned to be engaged and actuated by said conical driving surface to contract the sleeve into locking engagement with the threaded member when the nut moves axially on the sleeve, and an inwardly extending shoulder between said flange and the conical driven surface, the inwardly extending shoulder at the axially extending bore of the nut and the inwardly extending shoulder at the circular cylindrical flange of the sleeve being so related to the conical driving and driven surfaces that the shoulder of the sleeve will be spaced along the axis from the shoulder of the nut when the sleeve is tightened into locking engagement with the threaded member and the contractible locking sleeve being so proportioned that the inner end of the sleeve will be spaced axially from the shoulder between the conical driving surface and the threaded segment of the nut when the sleeve is tightened into locking engagement with the threaded member.

2,384,954

RAIN GAUGE

James B. Moore, Hamilton, Mo.

Application December 8, 1944, Serial No. 567,222
1 Claim. (Cl. 73-171)

A rain gauge comprising a rotatable support, a weather vane carried by the support and responsive to changes in the direction of the wind to turn the support on a vertical axis, a collecting cup attached to the support, a vertically disposed U-shaped conduit connected to the collecting cup, said conduit having inwardly projecting upper ends, a pipe having its ends telescopically journaled in the ends of said conduit, annular grooves within the intumed ends of the conduit and having drain openings in the lower portion thereof to drain water entering the upper ends of the conduit along the outer surface of the pipe, a rain receiving cup rising from and connected to the pipe, said receiving cup having fluid communication through the conduit and pipe with the collecting cup and a flat pendulous mem-

ber suspended from the pipe and maintained in a position transversely of the direction of the



wind by said weather vane, said pendulous member being responsive to pressure of the wind to tilt the receiving cup toward the wind.

2,384,955

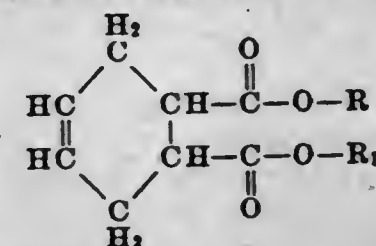
ESTERS OF 4-CYCLOHEXENE-1,2-DICARBOXYLIC ACID

Clarence L. Moyle, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application October 1, 1941,
Serial No. 413,123

9 Claims. (Cl. 260-468)

1. A compound having the formula:



wherein R represents a member of the group consisting of haloalkyl and halocycloalkyl radicals, which radicals contain a plurality of carbon atoms and in which the carbon atom attached to the carboxyl group contains no halogen substituent and R₁ represents a member of the group consisting of hydrogen and of haloalkyl and halocycloalkyl radicals, which radicals contain a plurality of carbon atoms and in which the carbon atom attached to the carboxyl group contains no halogen substituent.

2,384,956

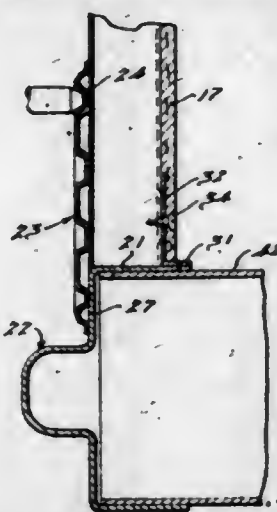
HOLDER AND FIXTURE FOR TUBULAR LAMPS

Adolf G. Mueller and William R. Young, Fairfield, and Frederick C. Dazley, Stratford, Conn., assignors to General Electric Company, a corporation of New York

Application November 8, 1943, Serial No. 509,422
3 Claims. (Cl. 173-328)

1. Holder for tubular lamps comprising a casing forming a cylindrical chamber with an axially extending internal projection, the casing having an open end and diametrically opposite slots near the open end, a contact assembly including a plate with contacts mounted thereon disposed

lower outer and an upper inner horizontally directed surface joined by an intermediate vertically directed wall, a plurality of vertically directed sheets each formed to provide a plurality of vertically directed laterally spaced outwardly offset inwardly presented channel portions, a relatively narrow flange portion projecting laterally from the channel portion at one edge of said sheet and a relatively wide flange portion projecting laterally from the channel portion at the opposite edge of said sheet, said sheets being ar-



ranged with said wide flange of one extending under said narrow flange and its corresponding channel portion and being fixed thereto to form a box section, the lower ends of said sheets resting upon said upper inner surface of said side rail, and means fixing said sheets to said side rail, comprising a plurality of gusset plates, each gusset plate overlapping an outer face of one of said channel portions and said intermediate wall of said side rail and being rigidly fixed to both thereof.

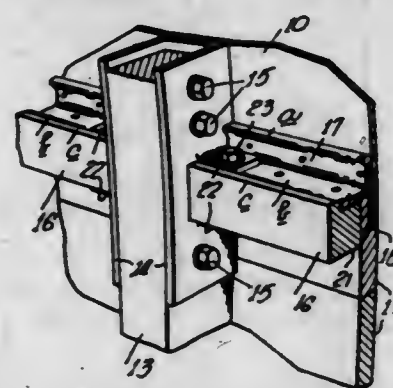
2,384,966

COMPOSITE BOAT CONSTRUCTION

Forrest D. Rowland, Dallas, Tex.

Application January 13, 1945, Serial No. 572,587

7 Claims. (Cl. 9-6)



1. A boat of composite construction including vertical stub frames covered below the high water line with wood planking, a horizontal frame flush with the top of said wood planking and recessed into said stub frames, a bulb angle overlying and coextensive with said horizontal frame, and preformed metal sheathing feathered into the upper edge of said wood planking, riveted to said bulb angle and screwed to said horizontal frame.

2,384,967

SEPARATION OF CATALYST FROM OIL

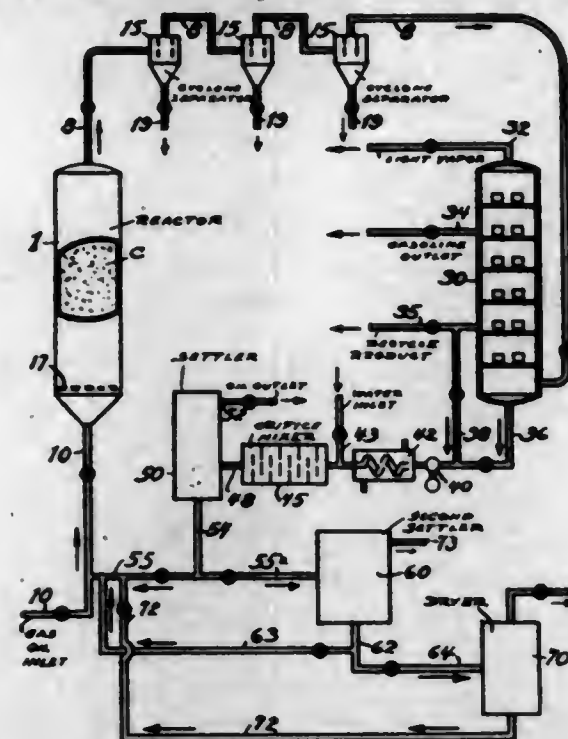
Frederick W. Schumacher, Westfield, and Robert P. Ferguson, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application May 29, 1943, Serial No. 489,030

9 Claims. (Cl. 196-52)

1. The method of recovering catalyst from an oil slurry which comprises mixing an oil slurry

containing about 0.25 to 2 lbs. of powdered catalyst per gallon of oil with water, thoroughly agitating the mixture, permitting the mixture to remain quiescent at a temperature above 300° F.



and a pressure above 90 lbs./sq. in. in order to permit stratification and withdrawing a lower aqueous layer containing substantially all of the catalyst originally contained in the original oil slurry.

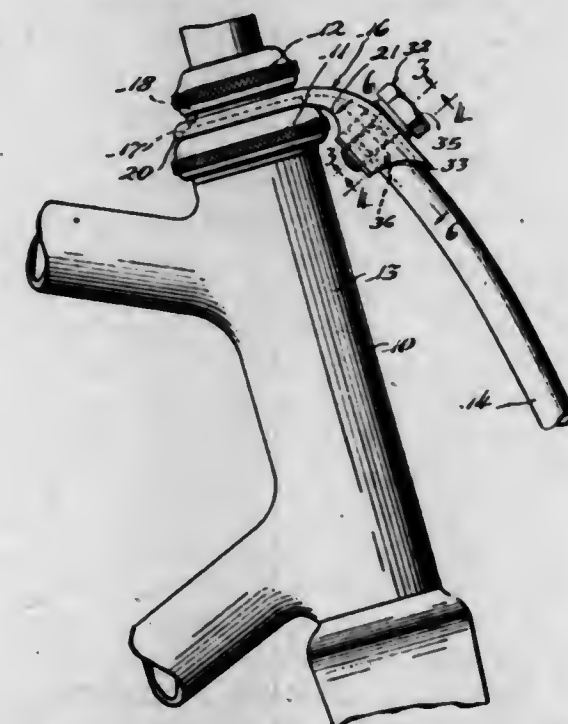
2,384,968

TRUSS BRACKET

Frank W. Schwinn, Chicago, Ill.

Application November 19, 1943, Serial No. 510,876

9 Claims. (Cl. 287-54)



9. A truss tube bracket assembly comprising a bracket having means for securement to the steering column tube, and a pair of truss tubes, said truss tubes having end portions adapted to be received in said bracket, and said bracket having tube embracing flanges extending about the outer portions of said truss tubes, and securing means adapted to pass through the bracket and between the truss tubes for drawing the truss tubes into tight engagement with the embracing flanges of the bracket, said truss tube portions in the bracket being formed with oppositely disposed recesses for receiving said securing means, and said securing means comprising a pair of complementarily threaded members, one of which is provided with tapered concavely curved wedging surfaces for engaging and holding the truss tubes, whereby the truss tubes are wedged apart and held in tight engagement with the bracket.

2,384,969

PREPARATION OF SYNTHETIC RUBBER-LIKE MATERIALS BY EMULSION POLYMERIZATION

George E. Serniuk, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application June 13, 1942,

Serial No. 446,940

11 Claims. (Cl. 260-93)

1. The process of producing emulsion polymerizates of butadienes containing conjugated double bonds which comprises using water soluble salts of olefin sulfonic acids containing 12-20 carbon atoms in the molecule as the emulsifying agent in an aqueous medium.

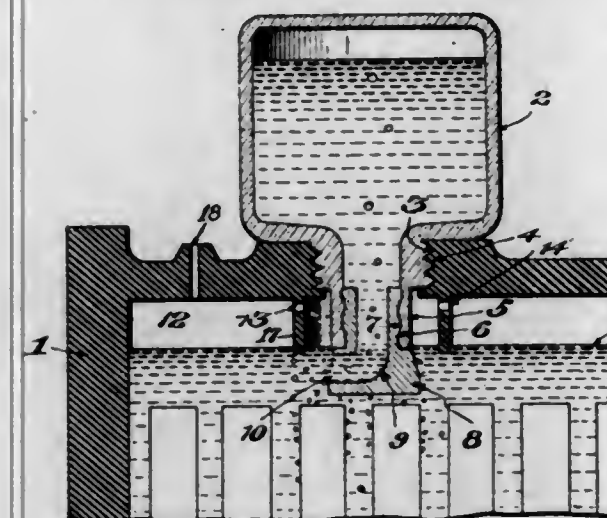
2,384,970

AUTOMATIC FILLING DEVICE FOR BATTERIES

Hugh C. Shotwell and Robert F. Goff, Phoenix, Ariz.

Application May 20, 1942, Serial No. 443,792

4 Claims. (Cl. 136-162)



1. In an automatic filling device for batteries, the combination of a non-vented container, a battery casing having an opening suitably shaped to receive the neck of the said container, said battery casing having a vent from the space above the liquid to atmosphere, a portion of the neck of the container extending below the inner surface of the wall of the battery casing, a substantially rigid elbow plug seated on the lower portion of the neck of the container and having an elbow outlet from the neck of the container, the mouth of said elbow outlet being disposed below the level of the surface of the liquid in the battery casing.

2,384,971

APPARATUS FOR PRODUCING METAL POWDER

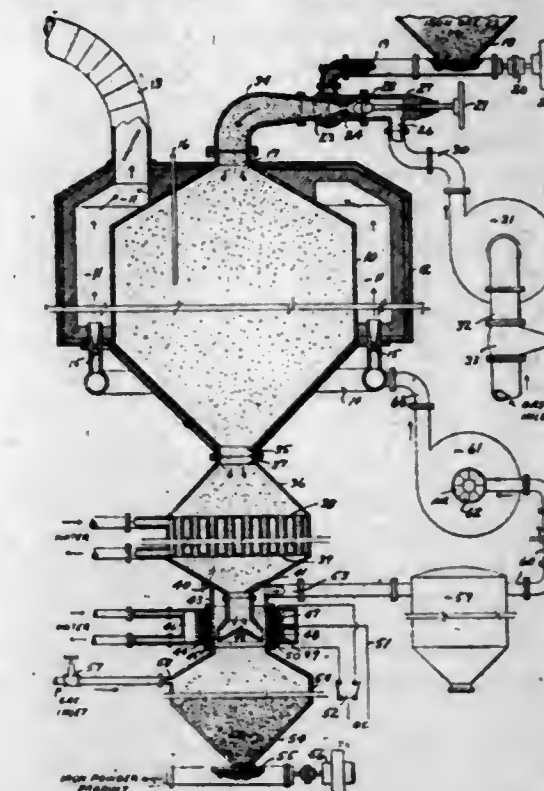
John E. Silvasy and Louis Taylor, Youngstown, Ohio

Application December 15, 1943, Serial No. 514,578

2 Claims. (Cl. 266-24)

1. Apparatus for reducing metallic oxide ores to pure metallic powder, said apparatus consisting of a closed retort, means for mixing pulverized ore and hydrocarbon gas so as to cause the pulverized ore to be carried in a gaseous suspension, means for introducing the gaseous suspension of pulverized ore into the said retort and means for externally heating the said retort so as to establish reduction temperatures therein, means in communication with said retort for receiving the reduced metallic powder and gaseous by-products for cooling the same and means in connection with the said cooling means for

separating the metallic powder from the gaseous by-products, means in connection with the said separating device for receiving the separated metallic powder and means in communication



with the said separating device for receiving the by-products, and means for directing the said by-products for fuel for the external heating of said retort.

2,384,972

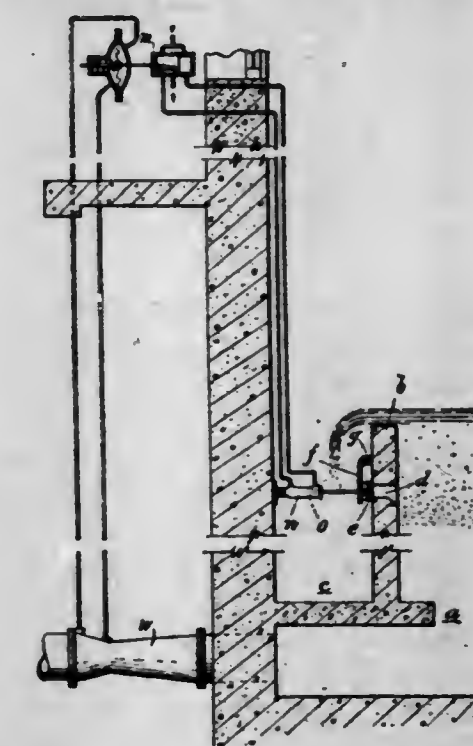
FILTERING APPARATUS

William Smalley, London, W. C. 2, England, assignor to The Paterson Engineering Company Limited, London, England

Application November 17, 1942, Serial No. 465,893

In Great Britain October 24, 1941

4 Claims. (Cl. 210-130)



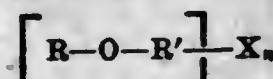
1. A filtering apparatus of the character described including a walled body having filtering sand in the bottom thereof, a spill-over wall in the bottom of the body confining the sand at one side and spaced from the adjacent wall of the body to provide a waste channel, the top of the spill-over wall being positioned at least a foot above the normal surface of the sand and having at least one aperture therethrough at a point slightly above the normal level of the sand, a member normally closing said aperture and actuating means operatively connected to the closure member for moving the same to open position when reversing the flow of water for cleansing the sand.

2,384,973

VINYLDENE CHLORIDE COMPOSITIONS
Frank B. Smith, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of MichiganNo Drawing. Application July 18, 1941,
Serial No. 403,020

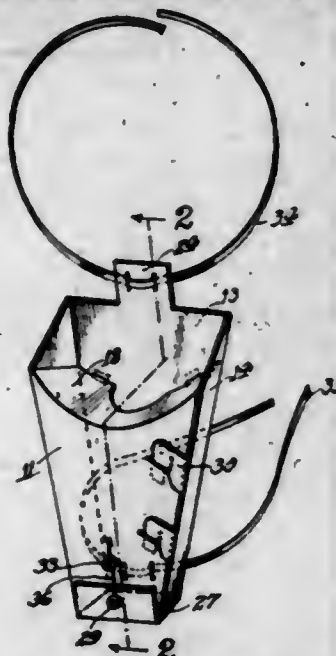
6 Claims. (Cl. 260—36)

2. A thermoplastic composition comprising: (1) a polymeric vinylidene chloride product containing at least 70 per cent by weight of vinylidene chloride, and (2) from 0.5 to 90 per cent based on the weight of the polymer of a compound having the general formula:



wherein R and R' each represents an aryl group selected from the class consisting of the phenyl, alkylphenyl, diphenyl, and naphthyl radicals; X represents a hydroaromatic radical selected from the class consisting of the cyclohexyl, dicyclohexyl, alkylcyclohexyl, and arylcyclohexyl radicals; and n represents an integer from 1 to 6, inclusive.

2,384,974

RECEPTACLEMarie F. Smith, Berrien Center, Mich.
Application June 8, 1943, Serial No. 490,088
1 Claim. (Cl. 150—2)

A receptacle comprising a one-piece sheet of material composed of a plurality of integral panels of substantially trapezoidal form, said material being folded to form the receptacle having an opening at the top, means integral with said sheet for releasably securing the sheet in folded condition, a single baffle integral with one of said panels for restricting said opening to prevent discharge from the top upon tilting of said receptacle, and means integral with said sheet for providing a releasable bottom normally secured to the front panel, said baffle extending the entire width of the front panel and having a cut out portion for filling the receptacle.

2,384,975

SOLID INTERPOLYMER OF AN ISOOLEFIN AND A NONCONJUGATED DIOLEFIN

William J. Sparks, Elizabeth, and Robert M. Thomas, Union, N. J., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana

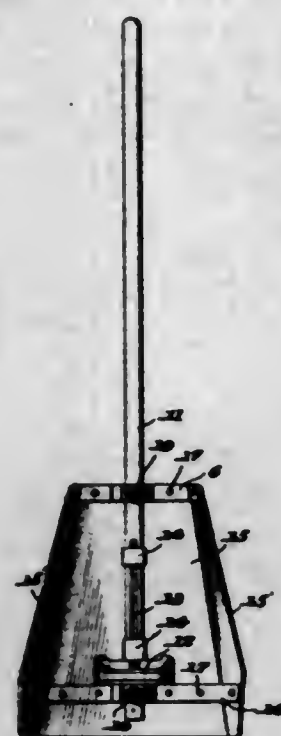
No Drawing. Application September 6, 1941,
Serial No. 409,907

31 Claims. (Cl. 260—79)

1. The process of preparing a solid, plastic, hydrocarbon interpolpolymer which is reactive with

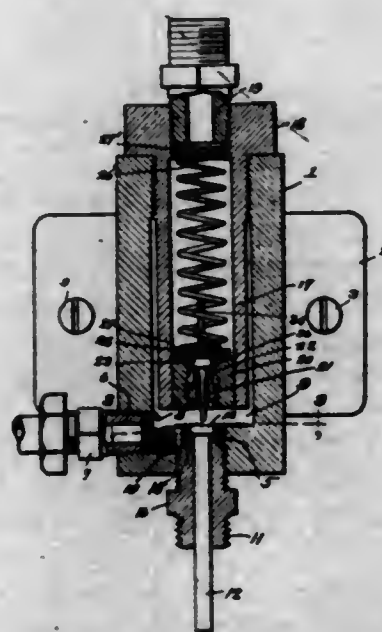
sulfur to give an elastic product comprising the steps of reacting together a major proportion of an aliphatic iso-olefin having 4 to 7, inclusive, carbon atoms per molecule, with a minor proportion of a non-conjugated aliphatic diolefin having 5 to 8, inclusive, carbon atoms per molecule, at a temperature between 0° C. and -160° C. in the presence of a polymerization catalyst comprising a Friedel-Crafts catalyst dissolved in a solvent which forms no complex with the Friedel-Crafts catalyst and is liquid at the reaction temperature.

2,384,976

TREE SCRAPERJohn E. Strickland, Madison, Fla.
Application January 12, 1945, Serial No. 572,520
5 Claims. (Cl. 30—136)

4. A scraper having a handle provided with a blade adjacent one end thereof, a shield adjacent said blade and having upturned edges converging toward the other end of said handle, said shield being open at both ends.

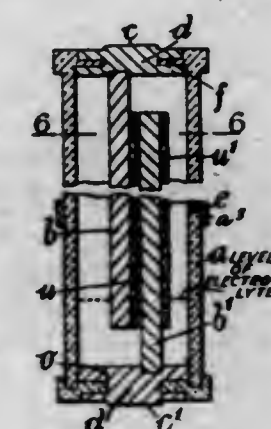
2,384,977

VALVE MECHANISMClair V. Swearingen, Chattanooga, Tenn.
Application June 14, 1944, Serial No. 540,353
2 Claims. (Cl. 251—137)

1. In a control for fluid, a tubular housing having a wall at its lower end, the wall having a

longitudinal bore, the housing having a lateral bore constituting an outlet, a guide mounted in the longitudinal bore and having its upper end spaced below the upper surface of the end wall, a valve-opening tappet mounted for reciprocation in the guide and having a head resting on the upper end of the guide, within the longitudinal bore, the end wall having a radial channel which opens at its top into the housing, the channel discharging into the lateral bore, the diameter of the lateral bore being greater than the depth of the channel, thereby to afford direct communication between the housing and the lateral bore, the guide being provided at its upper end with a conical surface leading to the head and located in the longitudinal bore, said surface being so located as to direct fluid from the longitudinal bore into the channel, an inlet for the housing, and a downwardly-closing valve mechanism within the housing and disposed in operative relation to the tappet, the valve mechanism operating between the inlet and the outlet.

2,384,978

ELECTRIC ACCUMULATORPercy William Taylor, Finchley, London N. 12, England, assignor of one-half to Fraser and Glass Limited, London, England
Application July 13, 1942, Serial No. 450,700
In Great Britain July 21, 1941
2 Claims. (Cl. 136—6)

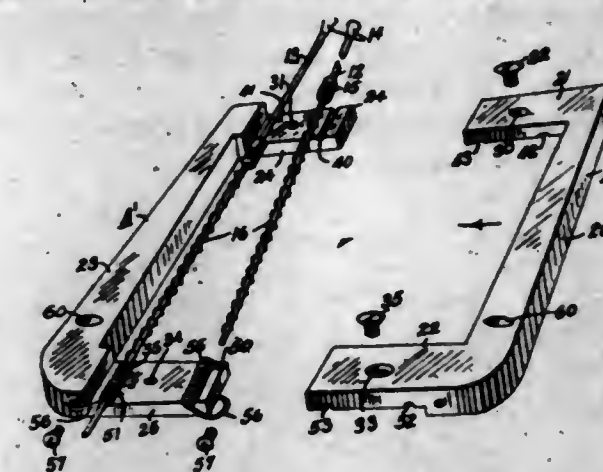
1. An electric accumulator comprising a cylindrical insulating container having an aperture medially thereof for the introduction of liquid electrolyte and provided with end walls, plates cast into said end walls and extending longitudinally within said container in overlapping relation and partition strips extending completely across that portion of the width of the container common to both plates and having channels in the surfaces presented to said plates, one of said strips being located between said aperture and the adjacent plate.

2,384,979

ELECTRICAL WEFT DETECTOR FOR LOOMSRichard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application July 22, 1944, Serial No. 546,136
13 Claims. (Cl. 139—273)

1. In a weft detector base for a pair of slidable electric detector rods, a pair of detector base forming elements between which said detector rods extend, support means for said detector rods extending from one of said elements toward the other element, guide means extending from said other element toward said one element and over said support means, adjacent surfaces of said support and guide means being provided with

grooves which receive the detector rods for sliding movement relatively to said elements, and



means securing said elements together with the detector rods between said support and guide means.

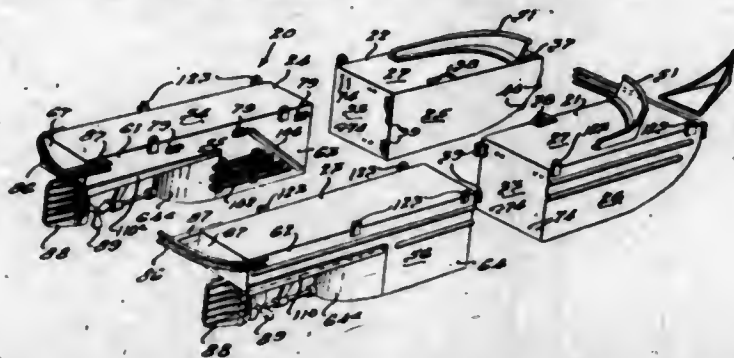
2,384,980

SASH BALANCEAugust Vichweger, Grand Rapids, Mich., assignor to Grand Rapids Hardware Company, Grand Rapids, Mich., a corporation of Michigan
Application August 3, 1944, Serial No. 547,822
11 Claims. (Cl. 16—197)

1. In a sash balance, the combination of a pair of telescopically associated inner and outer tubular elements, each having a spiral groove extending substantially from end to end thereof, the outer end of the groove of the outer tubular element and the inner end of the groove of the inner element both terminating in lateral recesses provided with stops at their outer ends, said outer element being provided with an inwardly projecting groove-engaging member at its inner end coacting with the groove of said inner element and with said recess at the inner end thereof, a torsion member constituting an attaching bracket provided with a sleeve slidably receiving said outer element and provided with a groove-engaging member coacting with the groove of said outer element, a bushing secured within the outer end of the inner element, a second attaching bracket, a tension rod pivoted to said second attaching bracket and journaled within said bushing and projecting inwardly therefrom to provide a spring clutch pin, a spring clutch pin secured within the inner end of said inner element, and a coiled spring arranged within said inner element with its ends in clutching engagement with said clutch pins, said groove engaging members being urged into said recesses by said spring and constituting detents coacting therewith.

2,384,981
BOAT

David A. Wallace, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application January 20, 1944, Serial No. 518,947
36 Claims. (Cl. 114-77)

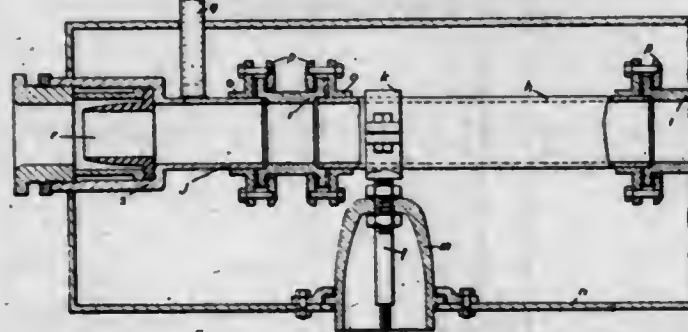


4. A power boat comprising a pair of pontoon sections secured to one another, a pair of tractor sections each having a width less than half of the combined width of the pontoon sections, means securing to the pontoon sections the tractor sections in spaced opposed relation to one another so as to cause a slot to be formed between the tractor sections extending from one end of the hull and terminating in an end formed by the pontoon sections, power means carried in the tractor sections, and moving parts driven by the power means and positioned beneath the tractor sections so as to engage the water in which the boat floats for producing in the slot a body of water swirling and moving sufficiently to resist transverse bodily displacement.

2,384,982

HEAT TREATMENT OF THE INSULATING COVERINGS OF ELECTRIC WIRES AND CABLES

George Hall Walton, Helsby, near Warrington, Joshua Creer Quayle, Manley, Helsby, and Peter Jones, Kelsall, near Chester, England, assignors to British Insulated Cables Limited, Prescott, England, a British company
Application March 30, 1943, Serial No. 481,083
In Great Britain April 18, 1942
6 Claims. (Cl. 219-47)



1. Apparatus for the heat treatment of insulating material, which forms a covering on a wire, by subjecting it to the action of a high frequency electric field, comprising two electrodes of substantially tubular form placed close together end to end, the electrodes being each substantially longer than the gap between them, and means for applying to said electrodes a potential difference alternating at high frequency.

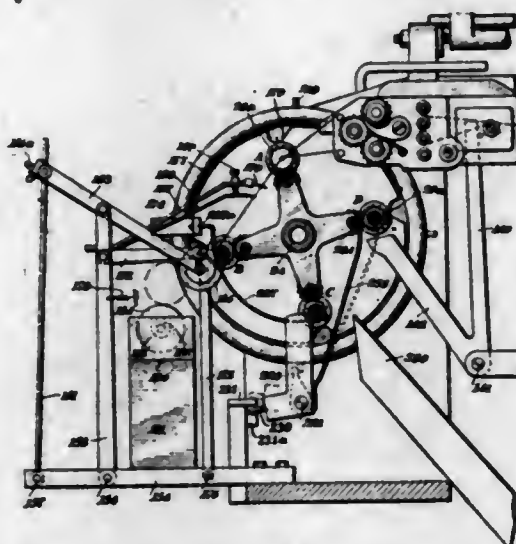
2,384,983

CONDENSER WINDING MACHINE

Felix Weiss, Brookline, Mass., assignor to Cornell-Dubilier Electric Corporation, a corporation of Delaware
Application September 12, 1944, Serial No. 553,773
38 Claims. (Cl. 242-56)

31. In a conducting and insulating winding machine, a drive, a rotatable mandrel support hav-

ing journaled in it four part-mandrels with each mandrel movable into four successive stations with each revolution of the support, the first station including a conducting and insulating strip feeding and winding mechanism correlated with a conducting strip cutting device, the second means for pasting and rolling up a condenser, the third means for disengaging a mandrel from the



rolled condenser and the fourth means for ejecting a completed condenser roll, a cutting device correlated with the drive to cut the insulating strips between the first and second stations, means correlated with the drive for moving each mandrel progressively into and out of engagement at each of the four successive stations with each revolution of the support.

2,384,984

MANUFACTURE OF STYRENE AND ETHYLBENZENE

Charles Weizmann, London, England
No Drawing. Application June 11, 1943, Serial No. 490,519. In France January 17, 1940
8 Claims. (Cl. 260-673)

1. In the manufacture of styrene and ethylbenzene, the process which comprises passing a low molecular olefin through a conversion zone, containing a finely divided metal hydrogenating-dehydrogenating catalyst, at substantially atmospheric pressure, at a temperature within the range of about 600 to 725° C. and at a space velocity ranging from about 0.01 to 0.1 liter of olefin, calculated on the liquid basis, per liter of catalyst per hour, and fractionating the resulting products to obtain a principal fraction boiling between about 120 to 150° C. consisting substantially of styrene and ethylbenzene.

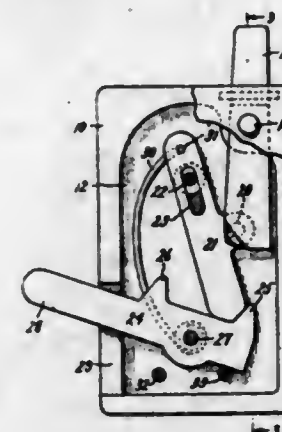
2,384,985

ELECTRICAL SWITCH

William R. Young, Fairfield, Conn., assignor to General Electric Company, a corporation of New York
Application July 20, 1943, Serial No. 495,411
3 Claims. (Cl. 200-68)

1. A switch comprising a casing of insulating material, stationary contact means supported on said casing, a first lever carrying contact means for engaging and disengaging said stationary contact means, a slot and pivot connection supporting said lever on the casing for pivotal and sliding movement, a second lever pivotally supported on said casing and being provided with spaced projections for alternately engaging a portion of said first lever, and spring means cooperating with the first lever for biasing it into engagement with one of said projections, pivotal movement of said sec-

ond lever causing the first lever to move longitudinally through said slot and pivot connection

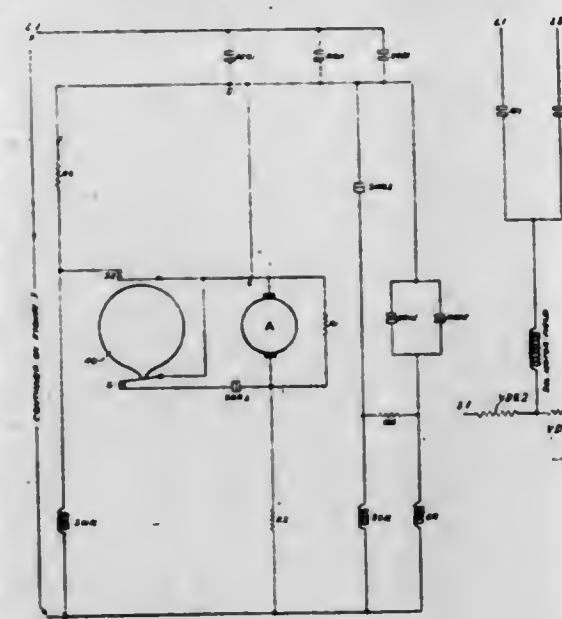


and pivotally past a center portion whereby said spring biases the lever into engagement with the other projection.

2,384,986

ELEVATOR SYSTEM

Joseph Di Giovanni, Fairview, N. J., assignor to United Elevator Service, Inc., New York, N. Y.
Application February 2, 1945, Serial No. 575,758
32 Claims. (Cl. 187-29)

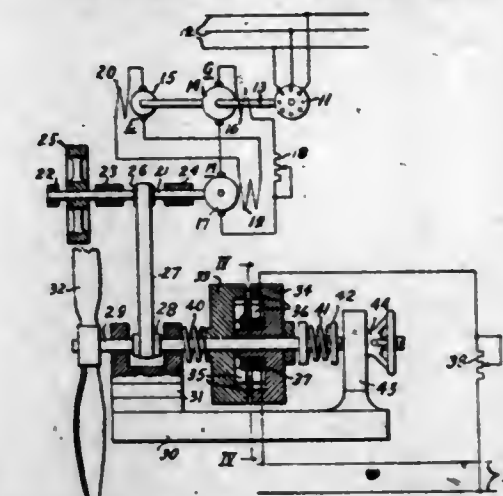


1. In an automatically controlled elevator system having a car movable between a plurality of landings, a motor for a selector means, a normally closed circuit across the armature of said motor, an auxiliary circuit including a switch coil and a normally closed contact, a second auxiliary circuit including a second switch coil, said normally closed contact opened upon energizing said second switch coil, a second normally closed contact in the said closed armature circuit and opened upon energizing the first mentioned switch coil, a normally closed switch in the armature circuit and a normally open switch in said second auxiliary circuit, means for closing said switches in sequence and operated by the motor, and second means for closing both auxiliary circuits upon moving the car from a landing whereby the first switch coil is energized to open the second mentioned normally closed contact and open the closed circuit across the armature, said first mentioned switch being subsequently opened by said motor operated means and said second mentioned switch being thereafter closed to energize said second mentioned coil switch and open the first mentioned normally closed contact, said motor operated means subsequently permitting said second switch to open and thereafter closing said first mentioned switch, said second mentioned means opening the auxiliary circuits upon the car reaching a landing.

578 O. G.-24

2,384,987

ELECTRIC VIBRATION GENERATOR
Adolphus M. Dudley, Oakmont, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 20, 1943, Serial No. 495,469
6 Claims. (Cl. 73-67)



1. A device for testing rotary machine elements, comprising a drive shaft having a portion for carrying the element to be tested, an electric motor connected to said shaft for imparting a continuous revolution to said shaft and said element, and means for imposing during said revolution a vibration of given frequency on said shaft, said means containing a magnetic armature firmly mounted on said shaft, a multiple stator arranged in magnetically cooperative relation to said armature, and electric energizing means for causing said stator and armature to exert forces of alternating direction on said shaft during the revolution of the latter.

2,384,988

DOUBLE-BREAK CONTACT

Delbert Ellis and Owen L. Taylor, Wilkensburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 31, 1942, Serial No. 453,060
4 Claims. (Cl. 200-165)



2. A double break contact structure, comprising a pair of mutually spaced stationary contacts, a movable elongated bridging member with two spaced contacts for engaging said stationary contacts, respectively, an insulating support engaging said bridging member for free aligning movement of said member about an axis transverse of said member, spring means for biasing said member away from said support toward said stationary contacts, two guiding parts integral with said bridging member and disposed at both longitudinal ends, respectively, of said member outwardly of said contacts of said member, guiding means disposed on said support and engaging said two guiding parts frictionally so as to guide and damp vibratory oscillating movement of said member about an axis transverse to the longitudinal axis of said member.

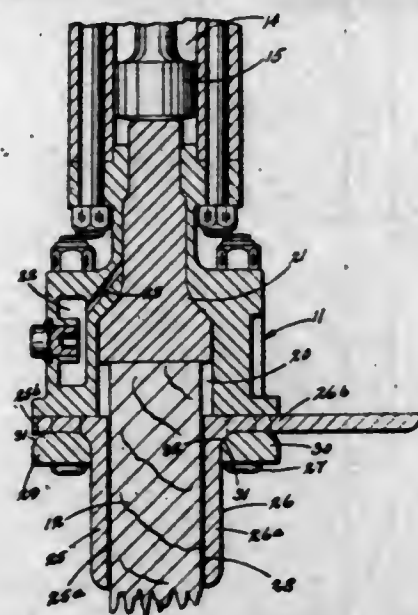
2,384,989

SHEETING DRIVER

Albert Feucht, Garfield Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application June 23, 1943, Serial No. 491,964
6 Claims. (Cl. 61-76)

5. In a driver for sheeting or the like, a percussive machine having an impact element and a

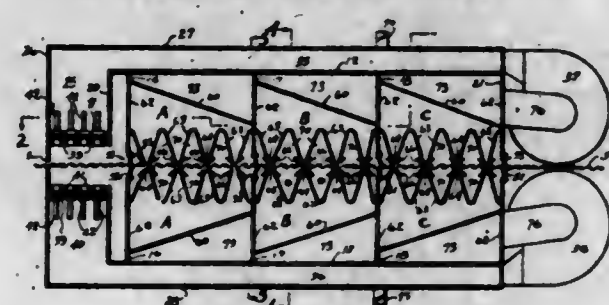
head adapted to receive an end of the member to be driven, a pair of substantially L-shaped guide members having slotted legs lying in a transverse plane and their other legs extending in substantially parallel relation to define a guide space for the member to be driven, and means



connecting said guide members with said head including clamps for the respective guide members and connecting elements extending through said slotted legs, said clamps being reversible for holding said guide members in different positions corresponding with different desired widths for said guide space.

2,384,990 DRIER

John Robert French, Greenville, S. C.
Application May 11, 1944, Serial No. 535,064
7 Claims. (Cl. 34-160)

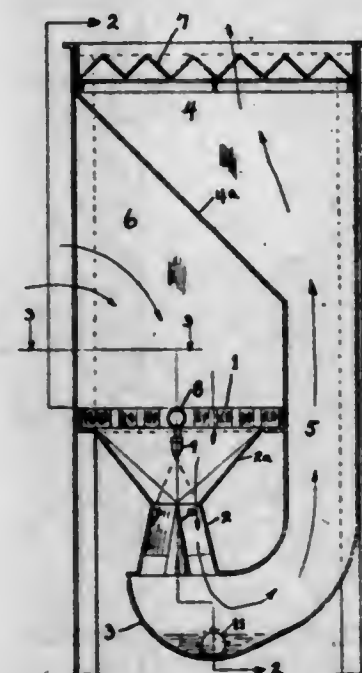


1. In a drier comprising a housing having a passageway extending therethrough, through which a sheet of cloth and the like is adapted to be passed for drying the same, said housing having a plurality of transversely disposed partitions dividing the housing into a plurality of compartments disposed in end-to-end relation above and below the passageway, each of said compartments having a wall adjacent the passageway, said wall comprising a plurality of U-shaped members having slots therebetween and with the open side of the U-shaped members being disposed adjacent the passageway through which the cloth is passed, longitudinally extending partitions secured to the ends of the U-shaped members and closing the space between the ends of the U-shaped members, the ends of the U-shaped members being open, outer walls spaced laterally from the longitudinally extending partitions, each of said compartments having a transversely disposed and a longitudinally extending plate extending from one transverse partition to the next adjacent transverse partition and dividing it into inner sub-compartments disposed next to the cloth passing therethrough and outer sub-compartments disposed remotely from the cloth, the transverse partitions having openings therein communicating with the outer sub-compartment of one compartment and the inner sub-compartment of the next

adjacent compartment, means for forcing heated vapor through the inner sub-compartments having the U-shaped members therein and through the slots to strike the cloth and then into the U-shaped members and out of their open ends and between the longitudinally extending partitions and the outer walls and into the outer sub-compartments disposed remotely from the cloth and then through the opening in a transverse partition and into another sub-compartment having U-shaped members therein and then between the longitudinally extending partitions and the outer walls to the next outer sub-compartment and means for forcing vapor through all of said compartments and finally withdrawing the vapor from the last compartment and reconducting it back to the first compartment and conducting the vapor in an endless series through the compartments and against this cloth over and over again.

2,384,991 MAGNESIUM CASTINGS GRINDING AND POLISHING BOOTH

Ernest F. Fisher, Passaic, N. J., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application November 24, 1941, Serial No. 420,185
2 Claims. (Cl. 51-273)



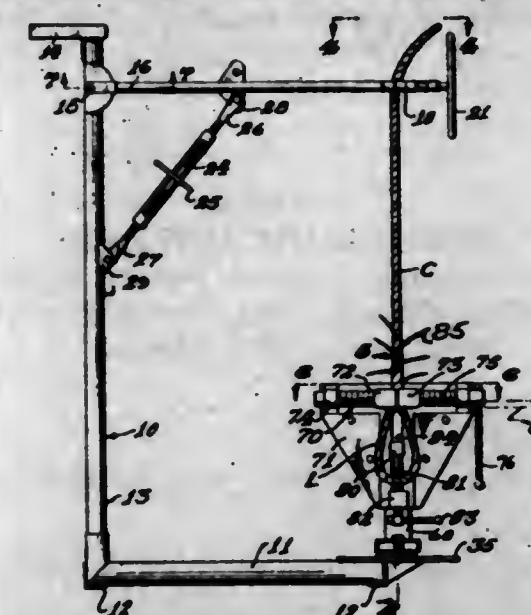
1. A grinding and polishing booth, comprising a grilled table for supporting an article being ground or polished, a Venturi-shaped dust collecting passage directly below said grilled table, the upper edges of the walls of said passage being connected with the outer edges of the grilled table, a sludge chamber below the exit end of the venturi, downwardly directed, suction creating nozzle means directly below said grilled table, for spraying liquid directly into the throat of the venturi, and projecting wetted dust, drawn through the grilled table by the suction, directly into said sludge chamber, and a laterally and upwardly extending passageway for carrying away air and spray deflected from the liquid surface in the sludge chamber.

2,384,992 SPlicing RIG

Leslie H. Garlinghouse, Los Angeles, Calif.
Application January 17, 1945, Serial No. 573,299
4 Claims. (Cl. 57-23)

1. A cable splicing rig including a base member, an upright mounted on said base member, a gripping vise arm pivoted on said upright and extending outwardly therefrom, means to support

said arm in adjusted position relative to said upright, a fixed jaw member on said arm, a movable jaw member on said arm, means for operating the movable jaw, a vise stand, means to pivotally support said vise stand on said base member for



rotation, a vise support on said vise stand, a splicing vise on said vise support, said splicing vise including a body having a fixed jaw and a movable jaw thereon, and means to move the splicing vise movable jaw.

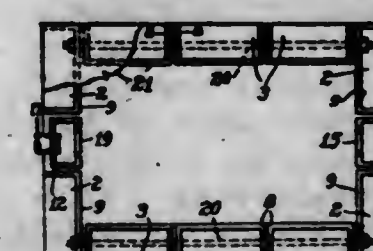
2,384,993 ARTIFICIAL BAIT

Alfred W. Goddard and Albert A. Hallett,
Toronto, Ontario, Canada
Application May 15, 1944, Serial No. 535,608
2 Claims. (Cl. 43-48)



1. A casting-fly bait comprising a hook having a shank with an eye at one end and a bill at the other end, a lapping of filamentary material about said shank adjacent to said eye to form the head of the fly, eyelets secured to the shank by said filamentary material, a lapping of filamentous material about the shank to compose the body of the fly, a metal strip wound around the filamentous material to secure it to the shank, tufts of a filamentous material forming wings, and eyelets secured to said wings and linked with the eyelets aforesaid to connect them to the shank.

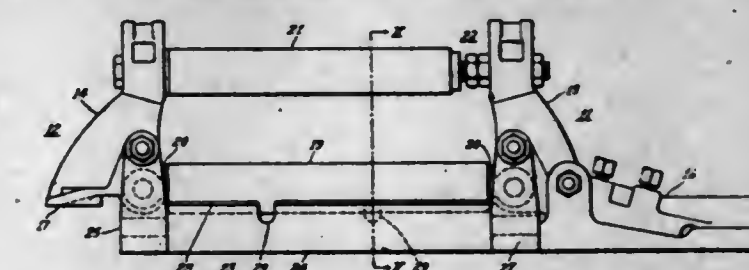
2,384,994
SEPTIC TANK STRUCTURE
Irwin Gutman, Lynbrook, N. Y., and George E. Evans, Pittsburgh, Pa.; Elinore E. Ridge executrix of said George E. Evans, deceased
Application March 23, 1942, Serial No. 435,918
5 Claims. (Cl. 210-6)



1. A septic tank, comprising a plurality of wall-forming elements compactly grouped around a given area, to form a chamber, means for holding the elements in assembled relation, a vertically-extending baffle member of generally tubular

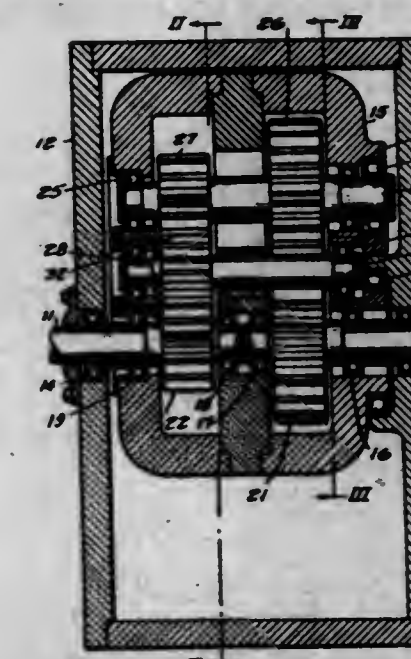
form coextensive in height with said elements, and of rectangular form in cross section, disposed between two of said elements and forming part of the chamber wall, inlet means at the baffle and outlet means at a point remote therefrom, and top and bottom closure members for the chamber, the baffle member having an inlet opening at the upper part of its outer wall and communicating with the chamber area at a lower plane, past its inner wall.

2,384,995
TROLLEY CONDUCTOR INSULATOR
Raymond P. Hanna and William B. Atkinson, Pittsburgh, and Leland F. Brahmner, Wilkesburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 27, 1943, Serial No. 477,376
13 Claims. (Cl. 191-39)



4. The combination in a trolley conductor insulator, of a pair of spaced end members having means for attachment to adjacent portions of an overhead trolley system, insulating means connecting the end members in spaced insulated relation, and an insulating runner member detachably positioned beneath the insulating means comprising a frangible body of siliceous materials bonded by Portland cement having a lower edge for guiding a current collector and a transversely arcuate upper surface engaging and partially surrounding the lower portion of the insulating means so as to prevent displacement of the runner member relative to the insulating means and reinforce the runner member.

2,384,996
DRIVING MECHANISM
Harold F. Hanson, Wilkesburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 28, 1943, Serial No. 488,831
6 Claims. (Cl. 74-367)

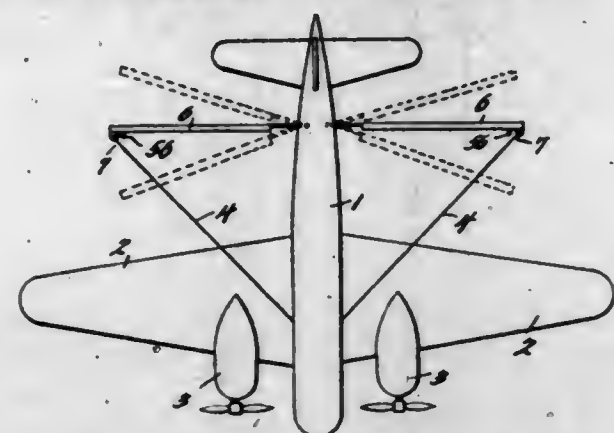


1. A unidirectional drive comprising, a driving shaft, a driven shaft, a gear secured to the driving shaft, an intermediate gear cooperating with said gear, a rotatable shaft to which said intermediate gear is secured, a rotatable yoke for

supporting said intermediate gear shaft parallel to the driving and driven shafts, means for connecting the intermediate gear shaft to the driven shaft, means for controlling the direction of rotation of said yoke, and additional means for controlling the direction of rotation of said intermediate gear shaft whereby the driven shaft always rotates in the same direction irrespective of the direction of rotation of the driving shaft.

2,384,997

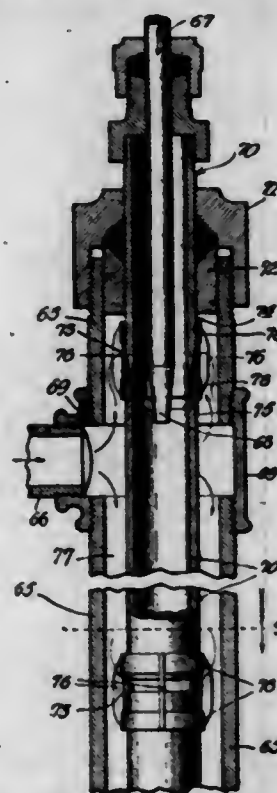
BRAKING DEVICE FOR AIRPLANES
Arthur David Hansson, Shrewsbury, N. J.
Application August 3, 1944, Serial No. 547,850
11 Claims. (Cl. 244-113)



1. In an airplane, two foldable fanlike air drags secured to the opposite sides of the fuselage and respectively positioned so that a horizontal plane passing through the longitudinal axis of the fuselage coincides with a horizontal plane passing through the longitudinal axis of the fanlike air drags, the said air drags normally held in their folded condition within the fuselage, means for releasing the fanlike air drags, guiding means at the inner end of each of said fanlike air drags for causing said fanlike air drags to unfold as they swing rearwardly to a position substantially at right angles to the fuselage to thereby provide an air-flow resistance on the landing of the airplane.

2,384,998

HEATING METHOD
Raymond R. Haugh, Chicago, Ill., assignor to
Vernon C. Usher, Chicago, Ill.
Application December 16, 1939, Serial No. 309,691
6 Claims. (Cl. 159-48)

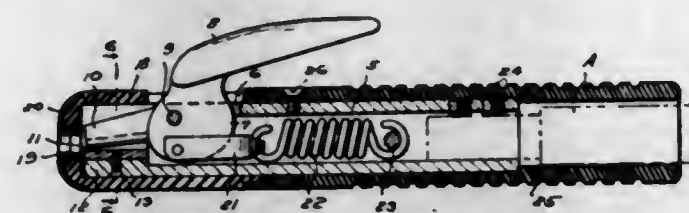


1. A method for drying liquids, comprising passing preheated liquid in spray form into and longitudinally through a casing, annularly intro-

ducing superheated steam into the casing at relatively and definitely spaced intervals throughout the length thereof in the same direction of travel of said matter and in a manner to effect flowing of the steam over and longitudinally along the inner faces of the side walls of the casing, and finally, passing the dried matter from the discharge end of the casing.

2,384,999

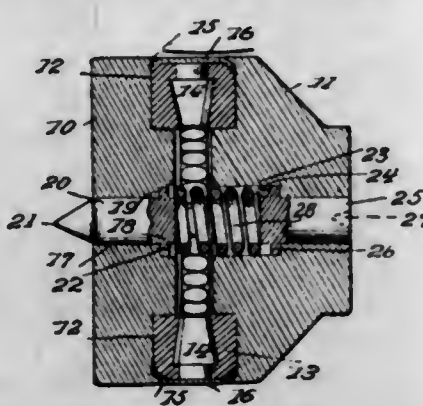
ELECTRODE HOLDER
Paul W. Heinrich, Grosse Pointe Park, Mich.
Application July 5, 1944, Serial No. 543,508
2 Claims. (Cl. 219-8)



1. A welding rod holder comprising an elongated tube, a sleeve of insulation on the tube defining a hand grip, a tubular extension on the tube having a slot therein, a hand lever fulcrumed in the tube extension and projecting through said slot, a jaw carried by the hand lever, a spring for swinging the hand lever, a fixed jaw and diagonal grooves on the jaw, said tubular extension being provided with a protective shield of the forward end thereof, said tubular extension being provided with a welding rod receiving opening extending through the same and through said protective shield.

2,385,000

SHAFT PROTECTOR
Roland K. Hoke, Baltimore, Md.
Application April 11, 1944, Serial No. 530,487
7 Claims. (Cl. 29-261)



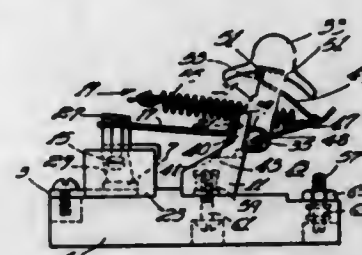
1. A puller assembly thrust unit including spaced thrust plugs, an anti-friction thrust bearing between the plugs, a center pin movable in one plug, a centering pin movable in the other plug, and means operating through the thrust plugs and interposed thrust bearing to create the necessary removal pressure of the unit.

2,385,001

CIRCUIT BREAKER
Oliver S. Jennings, Pittsburgh, Pa., assignor to
Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 23, 1934, Serial No. 712,577
Renewed July 7, 1938
86 Claims. (Cl. 200-116)

1. In electrical apparatus, means for opening and for closing a circuit, said means being actuated to the open and to the closed position by a member having one point thereof movable to actuate said means to the open and to the closed position and being supported at a second point

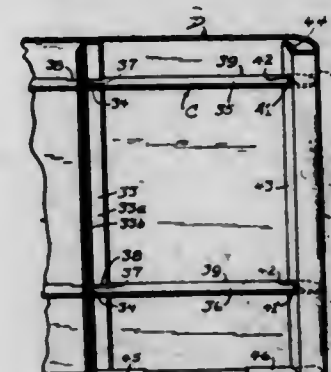
thereof, spring exerting a force having a line of action normally lying to one side of said second point at which said actuating member is supported, a second force exerting means responsive to a predetermined condition for automatically producing relative movement between said line of action and said second point, whereby said line of action is moved to the opposite side of said second point, the force for effecting relative movement of said line of action and said second



point being supplied by said force exerting means responsive to a predetermined condition, and an operating member movable to apply a force to said spring means at a point spaced from the point where said second force exerting means applies its force, said means for opening and for closing the circuit remaining in the closed position until there has been sufficient relative movement of said second point and said line of action to cause said line of action to lie on the said opposite side of said point.

2,385,002

DISPLAY DEVICE
Ralph J. Jorgenson and Foster L. Clute,
San Francisco, Calif.
Application September 23, 1941, Serial No. 411,986
4 Claims. (Cl. 40-125)



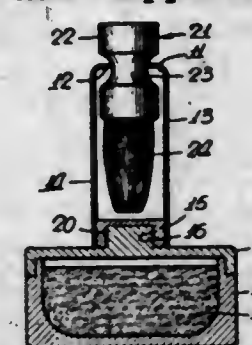
4. A display device comprising a frame made up of at least two parallel members with slots adjacent to their ends, a transverse member secured to the parallel members, and a piece of flexible material having advertising thereon and extending over one side of the three members, the ends of the material extending around the ends of the parallel members and being frictionally held in the slots for holding the material taut, reinforcing strips secured to the ends of the material and being received in the slots, the reinforcing strips constituting supporting frame legs and having feet whose planes extend at an angle to the plane of the material for supporting the display device in an upright position.

2,385,003

SHAVING BRUSH HOLDER
Myer K. Katz, New York, N. Y.
Application March 13, 1944, Serial No. 526,161
5 Claims. (Cl. 132-81)

1. A combination of shaving brush holder and shaving bowl for making lather, having a lid therefor, said brush holder at one end thereof carried by said lid and extending above the same,

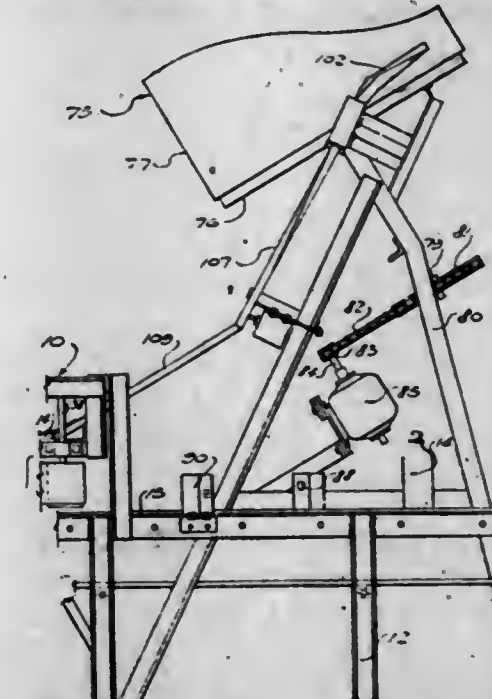
and having means at the other end thereof for securing thereto and supporting in an upright



position and outside the shaving bowl the handle of a shaving brush.

2,385,004

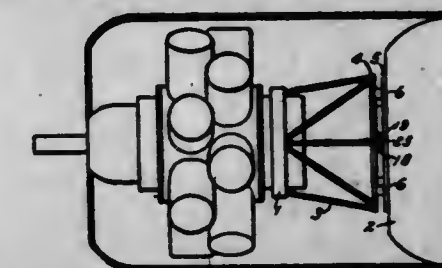
CAPPING APPARATUS
Jason J. Kittess, Los Angeles, Calif.
Application April 25, 1944, Serial No. 532,655
2 Claims. (Cl. 226-88.1)



1. A bottle cap feeding apparatus including a support, a hopper on said support, said hopper including a bottom and a cylindrical side wall, said bottom being inclined from the horizontal, a disc disposed above the bottom of said hopper, means to rotatably support the disc, means to rotate the disc, said disc having a peripheral rabbet therein, cap engaging members in said rabbet, resilient means to urge caps into said rabbet, and a discharge chute extending from said hopper, said chute having an entrance portion arranged to receive bottle caps in said rabbet.

2,385,005

STRAIN MEASURING SYSTEM
Bernard F. Langer, Pittsburgh, Pa., assignor to
Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 19, 1942, Serial No. 466,145
7 Claims. (Cl. 73-136)



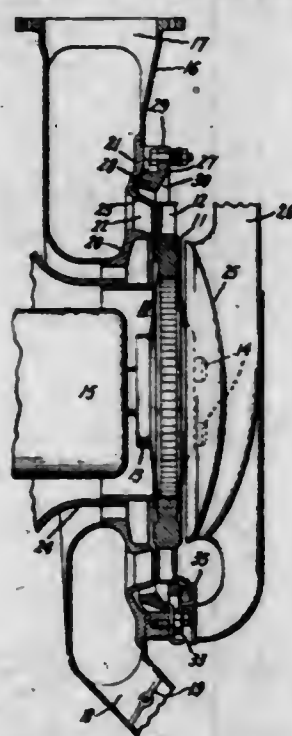
1. A system for measuring the torque output of a prime mover comprising, in combination, a member having substantially rigidly joined axially displaced sections, one of said sections being stationarily secured and the other of said sections being movable through a small angle relative to the stationary section, means interconnecting

said member and said prime mover whereby said movable section has applied thereto a torque loading proportional to the torque output of said prime mover, an element of a magnetic strain gauge mounted on one of said sections of said member, another element of said strain gauge mounted in magnetically cooperating relation only with said first strain gauge element on the other section of said member means for producing a voltage varying in magnitude with changes in relation of the two elements of said magnetic strain gauge upon a torque output of said prime mover, and means for measuring the voltage whereby the torque output of said prime mover is indicated.

2,385,006

GAS TURBINE

Gerald W. Lawson, Malden, Mass., assignor to General Electric Company, a corporation of New York
Application March 20, 1944, Serial No. 527,171
2 Claims. (Cl. 253-39)



1. An aircraft gas turbine comprising a bucket wheel, a shaft rotatably supporting the wheel, a nozzle box located on one side of the wheel for conducting gases thereto, said box having a wall forming an annular groove concentrically spaced from the wheel, and a deflector ring supported on said wall and projecting into the groove, said ring having an annular deflecting surface at an acute angle to the radii of the wheel for axially deflecting fragments radially thrown from the wheel.

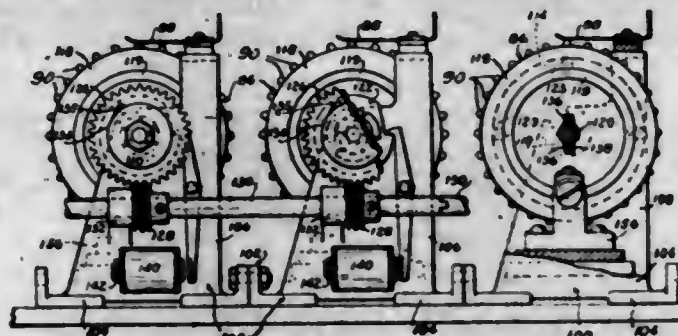
2,385,007

DATA STORING DEVICE AND DATA SELECTING MEANS THEREFOR

Ward Leathers, Brooklyn, and Hugo Panissidi, Jamaica, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 15, 1942, Serial No. 462,202
2 Claims. (Cl. 235-61.6)

1. An apparatus for translating data which is computed according to a prearranged schedule from a series of initial multi-digit figures presented in code form and for recording the translated data in similar code form by means of perforations in a record sheet, including recording instrumentalities, a plurality of rotatable data storing drums each having means for storing data according to the prearranged schedule as derived from all digits of said initial figures, each drum potentially representing a different digit of a relatively high decimal order of said initial

figures and the stored data thereon being data derived according to said schedule from said digit and from all combinations of remaining digits of relatively lower decimal orders considered collectively, the data stored by said drums remaining unchanged throughout a plurality of operations of the apparatus until changed in accordance with a new schedule or schedules, means for

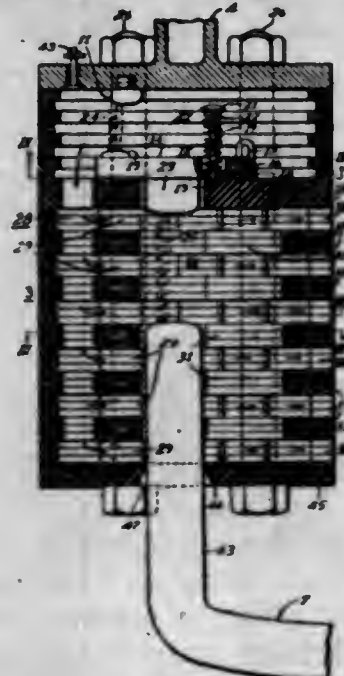


selectively rotating the drums according to the relatively high decimal order digits of the initial figures, means for selecting the data stored in the rotated drum according to the specific combination of the relatively lower decimal order digits of the initial figures, and means operable upon rotation of each drum for operating said recording instrumentalities according to the selected data stored thereon.

2,385,008

CIRCUIT INTERRUPTER

Winthrop M. Leeds, Wilkensburg, and Benjamin P. Baker, Turtle Creek, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 17, 1942, Serial No. 458,660
8 Claims. (Cl. 200-150)



4. In a circuit interrupter, a relatively stationary contact, a relatively movable contact cooperable with the relatively stationary contact, the relatively movable contact comprising a lever member having a first fulcrum point operative before the relatively movable contact engages the relatively stationary contact, the lever member also having a second fulcrum point at the relatively stationary contact during the final closing operation, and a second movable contact cooperable with the relatively movable contact.

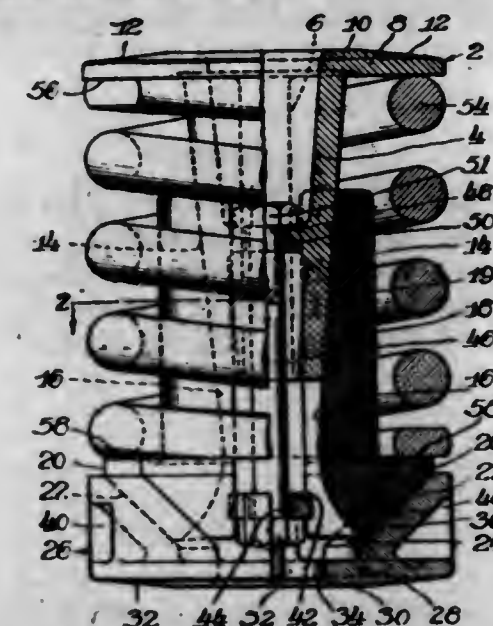
2,385,009

SNUBBER

David M. Light, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 25, 1942, Serial No. 459,652
12 Claims. (Cl. 267-9)

1. In a friction absorbing device, a follower having a base and a hollow friction stem project-

ing therefrom, a transverse web formed within said stem and having an opening therethrough, a spaced follower having a base with oppositely disposed diagonal friction faces at opposite sides thereof, a bridge member integrally formed with the last-mentioned base and having an opening aligned with the first-mentioned opening, spaced friction shoes in engagement with exterior surfaces of said friction stem and in complementary engagement with respective faces, a coil spring sleeved over said shoes and seated thereagainst and against the base of said first-mentioned follower, and a rigid retaining member extending between said shoes, slidably extending through

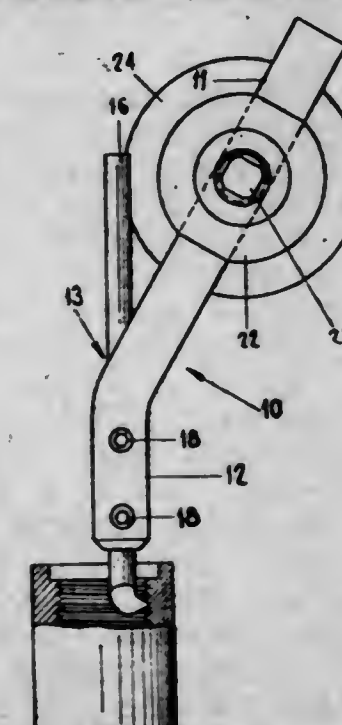


said aligned openings, and provided with abutment means for cooperation with said web and said bridge to retain the device in assembly on the release stroke thereof, said friction stem being provided with oppositely disposed external spring positioning ribs interposed between the surfaces thereon in engagement with said shoes.

2,385,010

DUPLEX REVERSIBLE TOOLHOLDER

Joseph Lipani, Brooklyn, N. Y.
Application August 30, 1943, Serial No. 500,722
5 Claims. (Cl. 29-98)



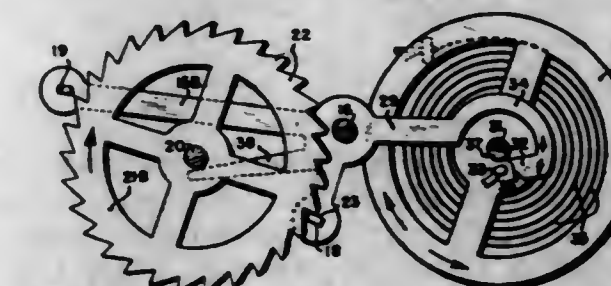
5. In a quick-setting right hand and left hand reversible tool holder, comprising an angularly shaped tool holder of rectangular cross-section, a through slot in one lengthwise side of said tool holder, the upper and lower walls defining said slot having V-shaped grooves lengthwise thereof and adapted for adjustably supporting a boring bar of circular cross-section, said slot being defined by oppositely facing lips at one vertical face of said tool holder, said grooves being parallel with the upper and lower faces of said tool holder

and adapted for supporting a boring bar parallel with said faces, said grooves being superposed and in alignment with each other, screws threaded in said tool holder, the screws in engagement with said boring bar being adapted to clamp said boring bar along a plurality of points, said grooves being of extensive length and said boring bar being in contacting relation with said grooves all along the entire length of said grooves in all of said adjustments, said tool holder being adapted to clamp said boring bar with a double grip.

2,385,011

ESCAPEMENT MECHANISM

Carl Lutz, Brooklyn, N. Y.
Application September 3, 1941, Serial No. 409,331
2 Claims. (Cl. 58-117)



1. In an escapement mechanism, a rotatable escapement wheel having operating elements, a vibratory device having an impulse-member movable periodically into and out of driving engagement with the operating elements of the escapement wheel; said impulse-member being arranged to move over a limited arcuate path of a larger radius than the radius of the arcuate path of the said operating elements; a detent-member on the vibratory device adapted for arresting the movement of the wheel while the said impulse-member is out of driving engagement with said escapement wheel; the detent-member being arranged for movement over a portion of an arc of smaller radius than the radius of the arcuate path over which the said impulse-member is movable; a weighed mass operatively associated with the vibratory device for determining the periodicity of the latter, an operating spring interconnected with the mass for imparting restoring force thereto and to the vibratory device whenever the former and the latter are swung away from a normal angular position, and an instrumentality interactive between the vibratory device with its weighed mass and the escapement wheel, adapted to enable the said operating spring to urge the said detent-member out of motion-inhibiting position while the vibratory device swings in one angular direction for carrying its impulse-member into the path of an operating element of the escapement wheel to be subsequently driven thereby in the opposite direction while the said detent-member is being carried into the path of an operating element of the wheel to arrest its motion on or about the time the said impulse-member of the vibratory device ceases to be driven.

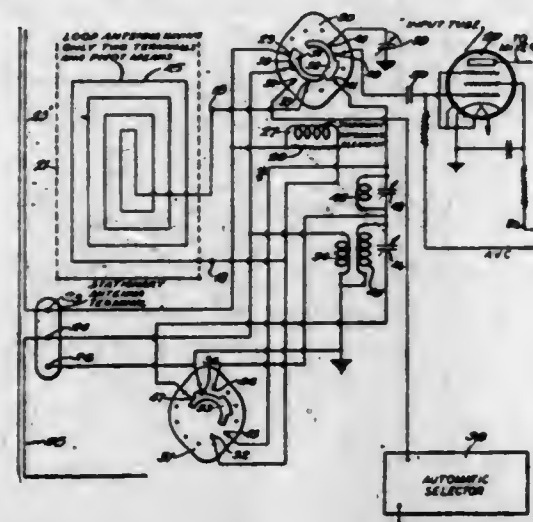
2,385,012

ANTENNA SYSTEM

Chester W. Lytle, Chicago, Ill., assignor to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois
Application February 10, 1942, Serial No. 430,230
21 Claims. (Cl. 250-20)

1. An antenna input system for a radio receiver having an amplifying tube having input terminals and arranged for the reception of a band of frequencies, comprising, in combination,

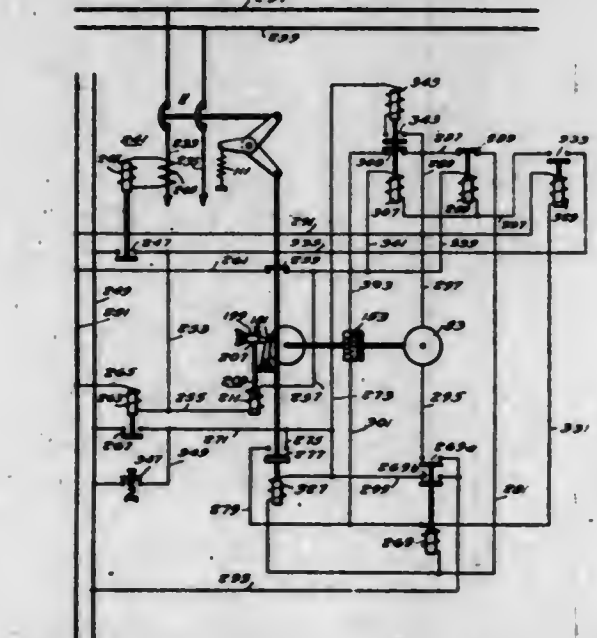
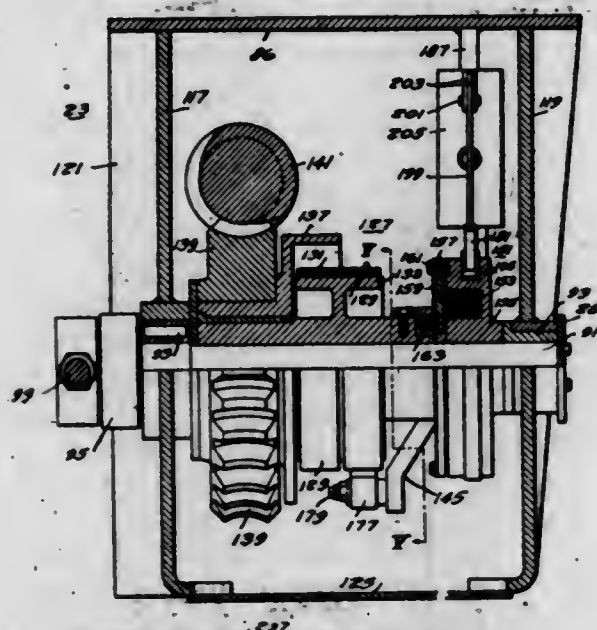
a resonant circuit including a loop antenna and tuning means whereby said circuit may be tuned to a plurality of frequencies in said band, said circuit being coupled to the input terminals, said loop antenna having not more than two terminals, a second circuit including a terminal adapt-



ed for connection of a second antenna thereto and an impedance element, and means common to both said circuits for coupling the same, said coupling means being separated from the loop antenna and being predominantly inductive in said band of frequencies.

2,385,013

AUTOMATIC RECLOSING CIRCUIT BREAKER
John B. MacNeill, Alfred J. A. Peterson, and Willard T. Parker, Wilkesburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 17, 1941, Serial No. 415,394
27 Claims. (Cl. 175-294)



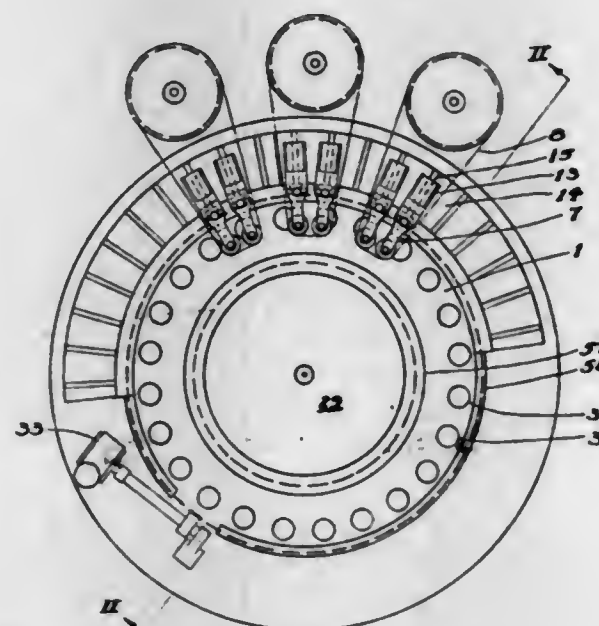
1. A circuit breaker comprising relatively movable contact members for opening and closing an

electrical circuit, power operated means operable to move the movable contact members from an open position to a closed position, trip means operable in response to predetermined circuit conditions to cause an opening movement of the movable contact members, means operable during an opening movement of the movable contact members and before said contact members have reached full open position to energize said power operated means and to connect the movable contact members to the power operated means to reclose the breaker, and means operable to disengage said contacts from said power means and thereby effect an opening movement of the contact members irrespective of the energized condition of the power operated means.

2,385,014

SURFACE MARKING DEVICE

Ralph Bender Mentzer, Lancaster, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application June 13, 1941, Serial No. 397,861
4 Claims. (Cl. 90-17)

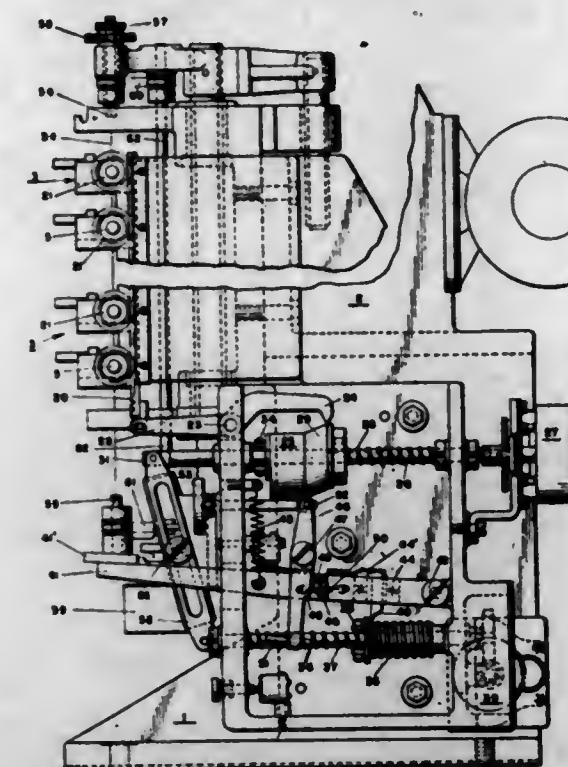


1. In a device of the character described, a supporting member, a substantially circular plate member mounted on said support for rotation about a vertical pivot and on a film of lubricant, a plurality of workholders mounted on said plate in spaced arrangement about the periphery thereof, a plurality of toolholders mounted on said support in spaced arrangement about the periphery of said plate at progressively increasing radial distances from said vertical pivot, and means for rotating said plate about said pivot, said workholders each having a work clamping arrangement comprising a fixed plate and a spring pressed horizontally slidable plate, and said toolholders each including a base mounted on said supporting member for horizontal adjustment radially of said circular plate, an intermediate member mounted on said base and adjustable with respect thereto about a horizontal pivot, a tool spindle bracket mounted on said intermediate member for straight line adjustment normally substantially vertically with respect thereto, a relatively strong spring so mounted as to tend to move said tool bracket with respect to said intermediate member, a tool spindle mounted for rotation and for longitudinal sliding movement in said tool bracket and a relatively weak spring so mounted as to tend to move said spindle longitudinally of itself in said tool bracket.

2,385,015

SHAPING MACHINE

Ralph Bender Mentzer, Lancaster, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application November 23, 1942, Serial No. 466,604
7 Claims. (Cl. 51-46)

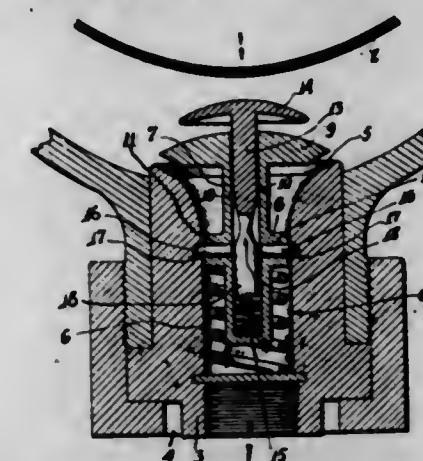


1. An automatic surfacing machine including a workholder adapted to hold a workpiece having an opening therethrough, a tool so mounted as to extend through the opening of a workpiece in said workholder and so formed as to be capable of surfacing action on the walls of said workpiece opening, and means for providing relative rotational movement and automatically controlled adjustable oscillatory movement in between said tool and a workpiece in said workholder said oscillatory movement progressively increasing.

2,385,016

LOCKING VALVE

Jean Mercier, New York, N. Y.
Application June 21, 1943, Serial No. 491,631
6 Claims. (Cl. 138-30)



1. Flow regulating device which comprises a vessel, partitioning means inside said vessel, to provide two variable volume chambers therein, valve means associated with said vessel to control flow of fluid therein, locking means associated with said valve means adapted, normally, to lock said valve means in the open position, said locking means including a member projecting into said vessel beyond said valve means, and said locking means being further adapted to release said valve means when said projecting member is engaged by said partitioning means.

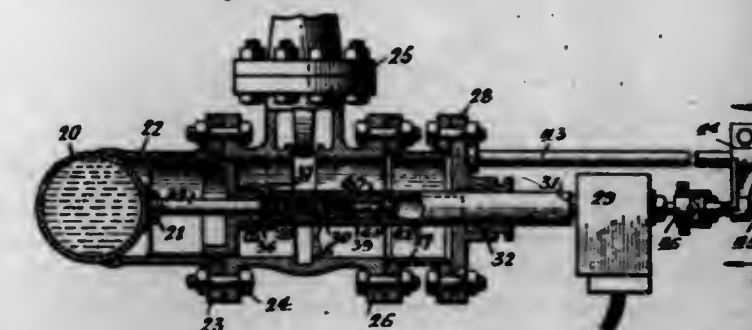
4. A valve which comprises a cylindrical valve casing, a valve seat formed in one end portion of said casing, a movable valve element within said casing, a head carried by said movable valve element projecting from said casing adapted to engage said seat, an auxiliary element slidably car-

ried in said movable valve element, including a member projecting beyond said head and locking means associated with said movable and auxiliary elements, said locking means being operatively controlled by said auxiliary element and being adapted to prevent displacement of said movable valve element in the axial direction when said projecting member of said auxiliary element is at a distance from said head and to release the same when said member is adjacent said head.

2,385,017

BRANCH PIPE ATTACHING DEVICE

Joachim Mercier, Arvida, Quebec, Canada
Application August 19, 1943, Serial No. 499,265
1 Claim. (Cl. 77-42)



An apparatus for cutting a pipe for a branch connection while in service, comprising a nipple adapted for attachment to a pipe, a valve body at one end of said nipple and formed with a valve seat, a valve head movable transversely of said body and adapted to close on said seat, a rod adapted for attachment to the pipe and disposed within said nipple, a cutting tool slidably mounted on said rod and adapted to pass through said seat and nipple, a spring between said rod and tool, whereby to prevent separation of the rod from the tool, a tube fixed to said tool and enclosing said spring and packed in an end of said valve body, and means for rotating said tube.

2,385,018

STABILIZATION OF ESTERS

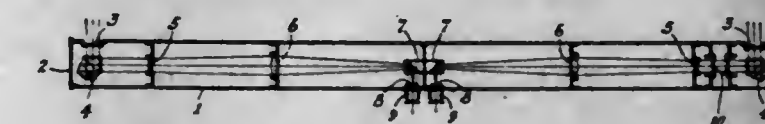
Charles R. Milone, Akron, Ohio, assignor to Wing-foot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application August 25, 1942, Serial No. 456,089
6 Claims. (Cl. 260-485)

1. A method of preventing the decomposition of esters of the class consisting of monochlorofumarates, monobromofumarates, monochloromaleates and monobromomaleates which method comprises adding activated carbon thereto.

2,385,019

OPTICAL INSTRUMENT

George Wilber Moffitt, Ridgewood, N. J.
Application August 11, 1942, Serial No. 454,379
8 Claims. (Cl. 88-2.6)



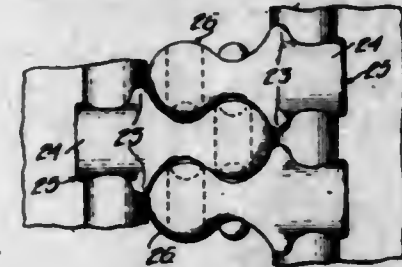
1. In an optical system, an anterior negative-posterior positive lens system, and a structure supporting said system, the components of said system being so positioned with respect to each other and to a selected point on said structure that upon bending of said structure a straight line drawn through the second principal point of the displaced lens system and said selected point

on said structure is substantially parallel to a straight line drawn through said second principal point and said point on said structure when said structure is unbent.

2,385,020

SEPARABLE FASTENER

Louis H. Morin, Bronx, N. Y., assignor of one-half to Davis Marinsky, Bronx, N. Y.
Application September 10, 1943, Serial No. 501,831
14 Claims. (Cl. 24—205)

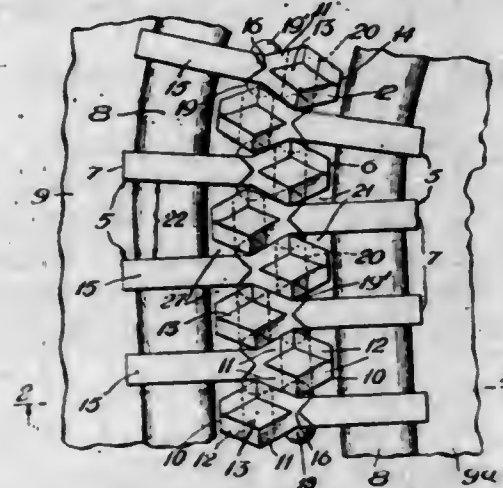


1. In separable fasteners employing stringers, said stringers having scoops spaced longitudinally of edge portions of the tapes thereof, each scoop comprising a mounting end portion of substantially cylindrical cross-sectional form, the coupling end portion of the scoop comprising a ball-like end forming the male portion of said coupling end, an annular recess inwardly of said ball forming the female portion or neck of said coupling end, the curvature of the neck corresponding to the contour of the ball to form a substantial line contact between scoops of opposed stringers when said stringers are coupled together, the ball end of each scoop having an aperture, and the neck having on opposed walls projecting members adapted to enter the apertures in the ball end of scoops of an opposed stringer.

2,385,021

FREE FLEXING SEPARABLE FASTENER

Louis H. Morin, Bronx, N. Y., assignor of one-half to Davis Marinsky, Bronx, N. Y.
Application September 10, 1943, Serial No. 501,832
9 Claims. (Cl. 24—205)



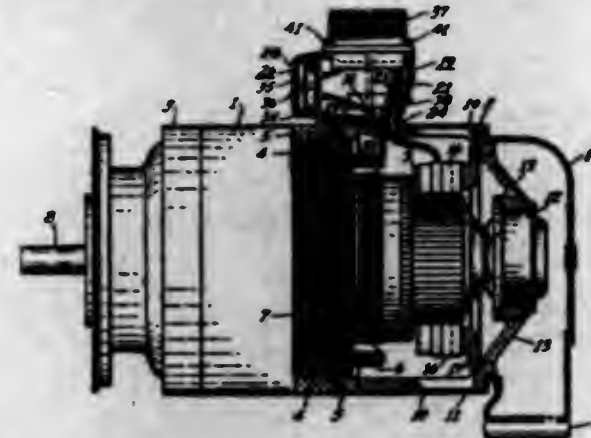
1. In separable fasteners employing stringers with scoops spaced longitudinally of the stringers, each scoop of the stringer comprising a mounting end portion and a coupling end portion, opposite side surfaces of the coupling end portion being common to provide universal coupling and uncoupling of a pair of stringers, the coupling end portion having a large head at its outer end, the mounting end portion being of a width substantially one-half the widest width of said head, said head having on opposed sides converging walls forming a reduced coupling portion common in width to that of said mounting portion, said reduced coupling portion having common projecting members on opposed side surfaces

thereof, and said head having recesses adapted to receive the projecting members on adjacent scoops of opposed stringers in coupling said stringers together.

2,385,022

DYNAMOELECTRIC MACHINE

Joseph E. Mulheim, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 27, 1943, Serial No. 488,628
5 Claims. (Cl. 171—252)

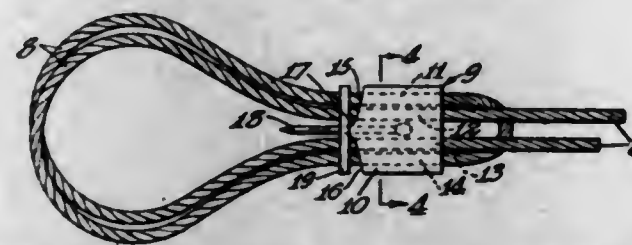


1. In a dynamo-electric machine having a frame, an end bracket at one end of the frame, said end bracket having an opening in its periphery adjacent the end of the frame, a generally box-like structure on the end bracket around said opening, said box-like structure being open on the side toward the frame, terminal leads for the machine extending through the opening in the end bracket, a connector device connected to said terminal leads for effecting connection of the leads to an external circuit, and a separate generally box-like member having an open side and adapted to cooperate with the first-mentioned box-like structure to form a receptacle enclosing the terminal leads, said connector device being received in said receptacle and rigidly held therein.

2,385,023

SEAL FOR BAGS

Verner A. Nelson, Minneapolis, Minn.
Application August 21, 1942, Serial No. 455,583
3 Claims. (Cl. 292—308)



1. In a seal, a tying filament, a relatively easily deformable body through which said filament passes, and a rigid relatively non-deformable member secured to one end of said body having said filament extending therethrough, said non-deformable member having a portion thereof spaced from said body to expose said filament between said member and said body, whereby said filament can be severed by a cutting instrument inserted between said body and said member.

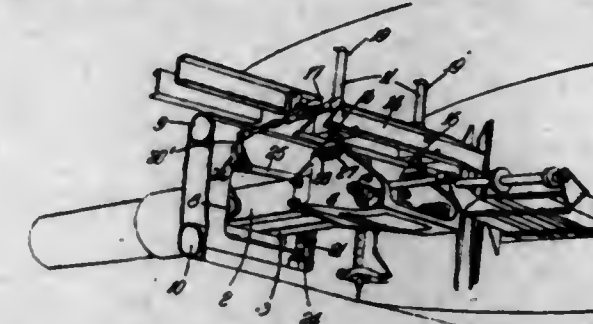
2,385,024

AIRCRAFT GUN MOUNTING

Sydney James Palfrey, Swanland, England, assignor to Blackburn Aircraft Limited, Brough, England
Application March 18, 1943, Serial No. 479,580
In Great Britain January 12, 1942
8 Claims. (Cl. 89—37.5)

1. An aircraft mounting for a gun or the like comprising a cradle mounted in the aircraft struc-

ture for supporting the gun, two aligned pivots about which the cradle is adapted to swing, two elongated members movable in the direction of their length and in a direction transverse of the axis about which the cradle is pivoted, said mem-



bers being connected to the cradle for supporting the cradle in different positions relative to the aligned pivots, separate means for latching the elongated members in different positions, and means under a common control for operating the latching means for both elongated members.

2,385,025

MEANS FOR LOADING AND UNLOADING VEHICLES

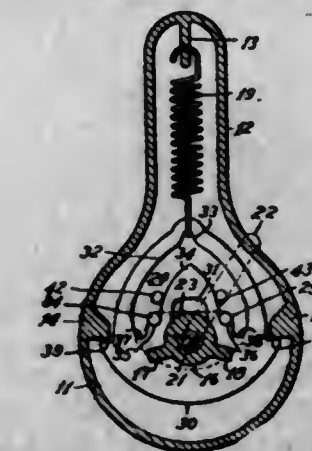
Ford C. Pethick, Scranton, Pa.
Application July 3, 1942, Serial No. 449,641
17 Claims. (Cl. 214—38)



1. Means for loading and unloading vehicles comprising a half-turntable having a diametrical side and a semi-circular base rotatably supported on a primary vehicle, a second half-turntable having a diametrical side and a semi-circular base rotatably supported on an auxiliary vehicle, coupling means for joining together the diametrical sides of the said two half-turntables, a multiplicity of teeth on the periphery of said semi-circular bases, a pinion supported from said primary vehicle and arranged to mesh with said teeth on said semi-circular bases, and a means for rotating said pinion, whereby the half-turntable supported on the primary vehicle may be transferred to the secondary vehicle and vice versa.

2,385,026

DOUBLE-THROW SWITCH MECHANISM
Lawrence Pierce, Edgewood, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 14, 1944, Serial No. 518,213
11 Claims. (Cl. 74—97)



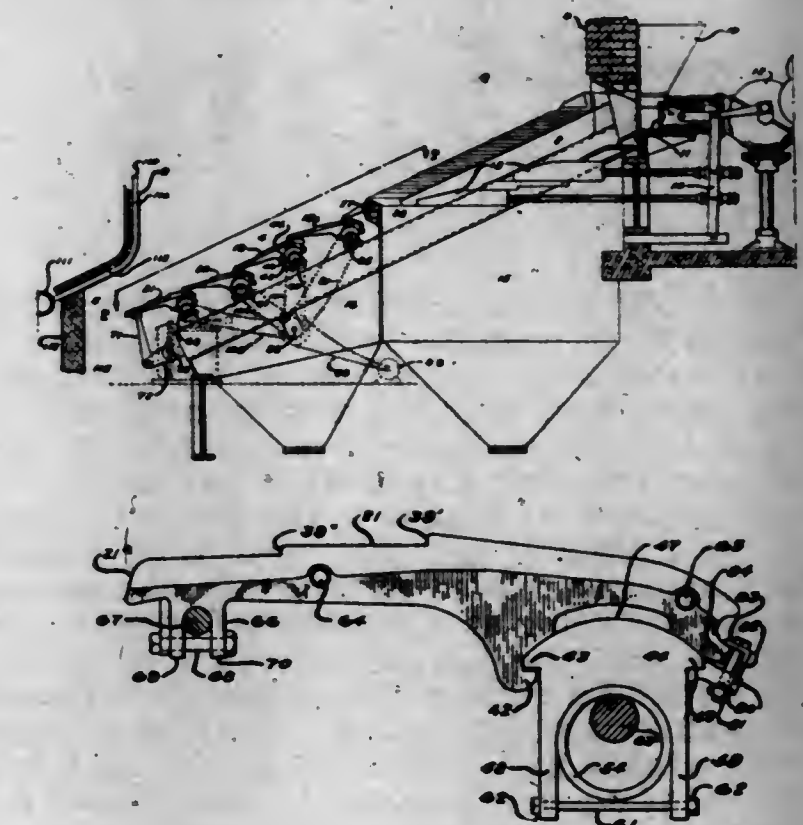
1. A double-throw switch mechanism comprising in combination a rotatable driven member, a

coaxially rotatable driving member, a floating cam member for entraining said driven member, stationary stop means engaging said cam member so as to form three angularly spaced rest positions and two intermediate tripping positions, and a spring disposed between said driving member and said floating member for biasing it towards engagement with said driven member and said stop means.

2,385,027

STOKER

Herbert E. Preston, Philadelphia, Pa., assignor, by mesne assignments, to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 29, 1941, Serial No. 416,936
14 Claims. (Cl. 110—44)



1. An overfeed section for stokers comprising a series of rows of grate bars, said rows of grate bars being disposed in substantially parallel relation longitudinally of said overfeed section, the grate bars of each of said rows being mounted in spaced relation forming a series of passages for draft air, means for pivotally supporting the grate bars of one of said rows, cams for supporting the grate bars of said other rows, means for operatively connecting said cams to said grate bars, and means for operating said cams whereby oscillatory movements are imparted to said rows of grate bars.

2,385,028

PROPELLER

Leland E. Reid, South Pasadena, Calif.
Application February 7, 1942, Serial No. 429,845
9 Claims. (Cl. 170—161)



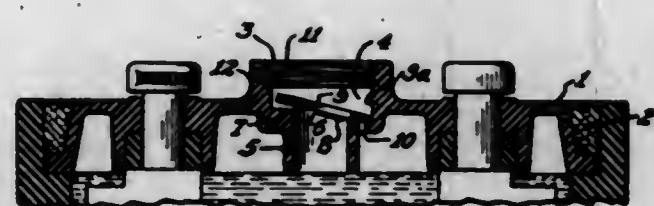
1. A propeller blade comprising a solid blade body, a yieldable sheathing on the pressure face of said solid body, said sheathing being rigidly secured to the solid body of the blade at portions of the sheathing and movable at the trailing edge of the blade toward and from the body, a

rod slidable in a direction along the length of the blade, and means between the movable portion of the sheathing and the blade actuated by said slidable movement of said rod for adjusting said sheathing toward and from the body for changing the pitch of the blade.

2,385,029

ELECTROLYTE CONTROL DEVICE WITH CAPTIVE VALVE

Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application August 6, 1942, Serial No. 453,814
4 Claims. (Cl. 136-178)



1. In a cell cover, a hollow body with a top having a filler opening with walls defining a filler well and a filler well bottom, a tubular extension depending from the bottom of said filler well and open therethrough, said extension terminating downwardly at a desired maximum level for electrolyte with respect to the top of said cell cover, the bottom of said filler well being formed in two angularly related intersecting planes, one of said planes being at a substantial angle to the horizontal, and the line of intersection of said planes forming a fulcrum for a gravity actuated valve member which in gravity actuated position will follow said last mentioned plane, said last mentioned plane forming the starting point for a gas vent passageway passing through the bottom of said filler well and opening exteriorly of said tubular extension, a gravity actuated valve member in the form of a perforated washer in said filler well, means for retaining said valve member in said filler well, said means comprising a thin split annulus engaged in a groove in the filler well walls and so located as to permit the movement of said valve member to gravitational and non-gravitational positions, said groove being located at a sufficient depth below the top of said filler well to permit engagement of a filler cap with said filler well walls, the opening in said annulus being of larger diameter than the opening in said valve member, and a vented filler cap having a portion engageable in the walls of said filler well, and a further downward extension on said filler cap so located as to pass through said annulus and engage the upper surface of said valve member and thereby move it to a non-gravitational position.

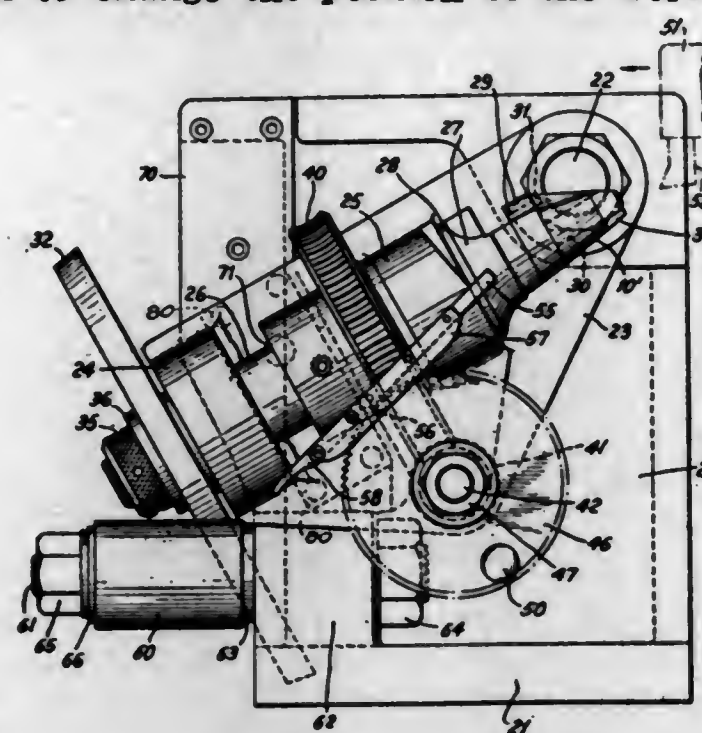
2,385,030

CAM FIXTURE

Clarence C. Rutbell, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 8, 1944, Serial No. 521,531
3 Claims. (Cl. 90-24.3)

1. In a cam cutting fixture, a main frame, a swinging frame pivoted on said main frame, a shaft carried by said swinging frame, a guide member on said main frame, a master cam on said shaft and cooperating with said member, means for fastening a work piece to said shaft, a

worm wheel on said shaft for rotating said master cam to change the position of the work piece,

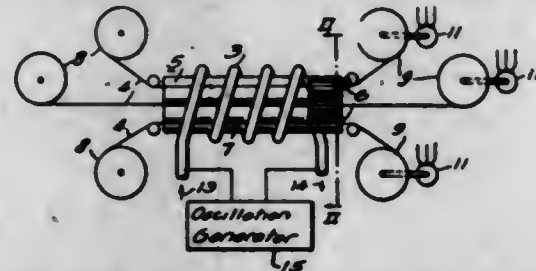


a worm for operating said worm wheel, and manipulative means for rotating said worm.

2,385,031

MULTIPLE-CHANNEL INDUCTIVE HEATING APPARATUS

Stanley S. Schneider, Halethorpe, and Luther W. Gregory, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 27, 1943, Serial No. 484,684
3 Claims. (Cl. 219-13)

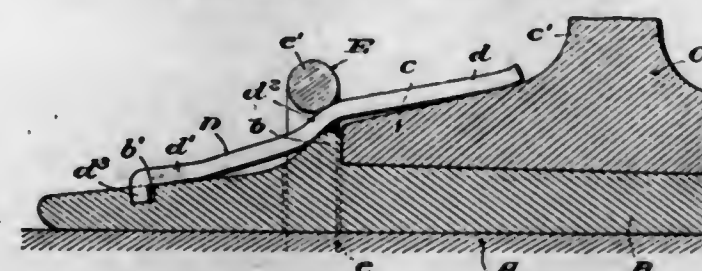


1. Means for simultaneously inductively heating a plurality of electrically conducting articles, comprising the combination of insulating means substantially devoid of conducting material for providing a plurality of separate holes, each surrounded by insulating walls substantially devoid of conductive material, for receiving the several articles, an inductive heating-coil surrounding said insulating means, and means, including coil-terminals, for feeding alternating current into said coil.

2,385,032

RAIL FASTENING MEANS

Richard T. Scholes, Hinsdale, Ill.
Application December 11, 1942, Serial No. 468,700
3 Claims. (Cl. 238-349)



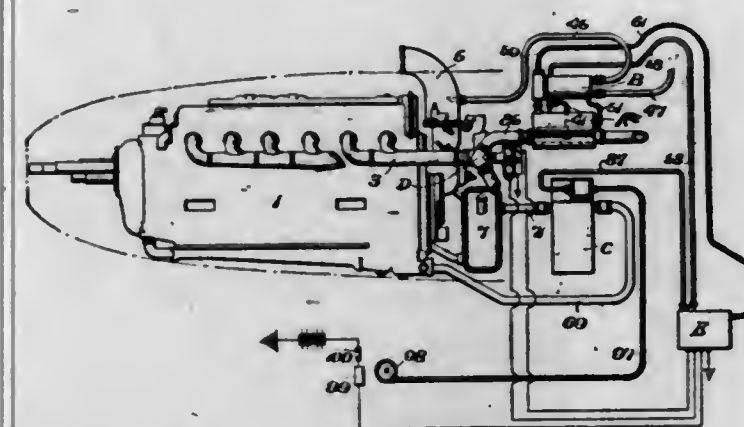
1. Rail holding means, comprising, the rail, a tie plate upon which the rail rests, a rib projecting upwardly from the tie plate and constituting an abutment for one edge of the base flange of the rail, an initially arched spring clip seated at its outer end upon the tie plate at a point spaced outwardly from said rib and seated at

its inner end upon the upper face of the base flange of the rail at a point spaced inwardly from the outer edge of the said base flange, the medial part of said clip including an outwardly and downwardly extending step portion, and fastening means having a portion thereof engaging the upper face of said step portion and holding the lower part of said step portion in rigid engagement with the rib whereby said rib serves as a stop to limit compression of the clip under pressure of the fastening means, and the fastening and rib provide a fulcrum for the portion of the clip between its inner end and the step portion, said clip, between its inner end and the point where it engages the rib of the tie plate, having clearance from the top face of the rail flange to permit normal wave motion of the rail while the latter is engaged by the inner end portion of the clip and any tendency of the rail to move abnormally upwardly from the tie plate is prevented.

2,385,033

REFRIGERATION UNIT FOR INTERNAL-COMBUSTION ENGINES

Henry G. Schwarz, Marshallton, Del.
Application September 20, 1941, Serial No. 411,629
2 Claims. (Cl. 123-174)



1. A refrigeration system for use in association with an internal combustion engine comprising, in combination, a heat interchanger adapted to receive a liquefied refrigerating medium, an absorber containing an adsorbent for the refrigerating medium, a condenser interposed between said heat interchanger and said absorber, the interchanger, condenser and absorber forming a closed system containing the refrigerating medium, means for supplying hot exhaust gases of the internal combustion engine to the absorber to heat the same, and means responsive to variations in the condition of the refrigerating medium within said system for controlling the supply of exhaust gases to said absorber, said condenser also including an air inlet and an air outlet, the latter connected to the carburetor air supply of said engine, whereby air is drawn through said condenser in heat exchange relationship with the refrigerating medium.

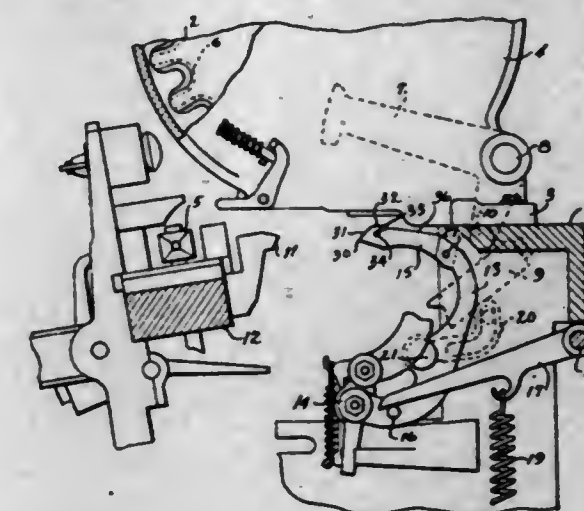
2,385,034

SHUTTLE FEELER TIP

Elwood P. Sheetz, Pembroke, and Alexander J. Chagnon, Pittsfield, N. H.
Application June 9, 1944, Serial No. 539,440
4 Claims. (Cl. 139-231)

4. A loom having a shuttle feeler pivoted at one end for swinging movement and having its other end provided with a notch and hook on its upper surface so that when the feeler swings, its free end will move across the path of the shuttle

and engage the thread extending from the shuttle and upon reverse swinging movement will

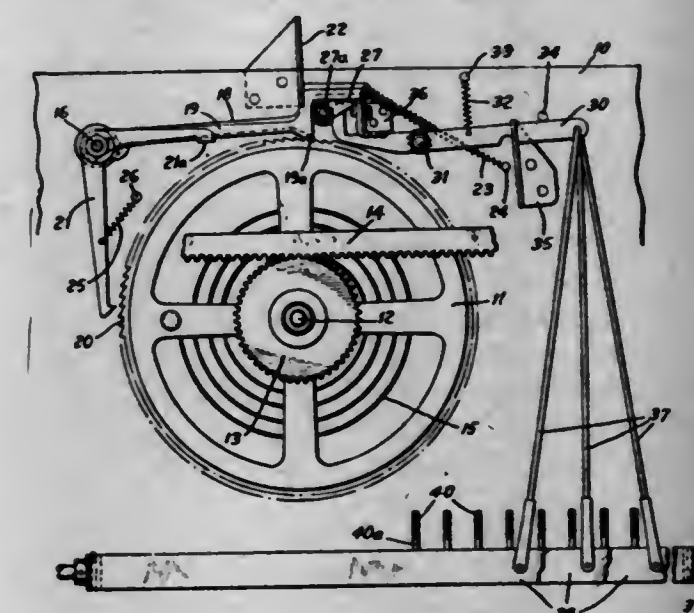


withdraw said thread from the path of the shuttle.

2,385,035

TYPEWRITING MACHINE

James F. Smathers, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 18, 1941, Serial No. 383,918
16 Claims. (Cl. 197-84)



8. In a carriage spacing mechanism, a ratchet wheel rotatable to control the extent of feed of the carriage, a plurality of pivoted spacing dogs engageable with the ratchet wheel and movable on their pivots different limited extents to control rotation of the ratchet wheel; and means to selectively engage the spacing dogs with the ratchet wheel, including a dog selecting element and a series of levers each for moving the selector element to a different extent from the others.

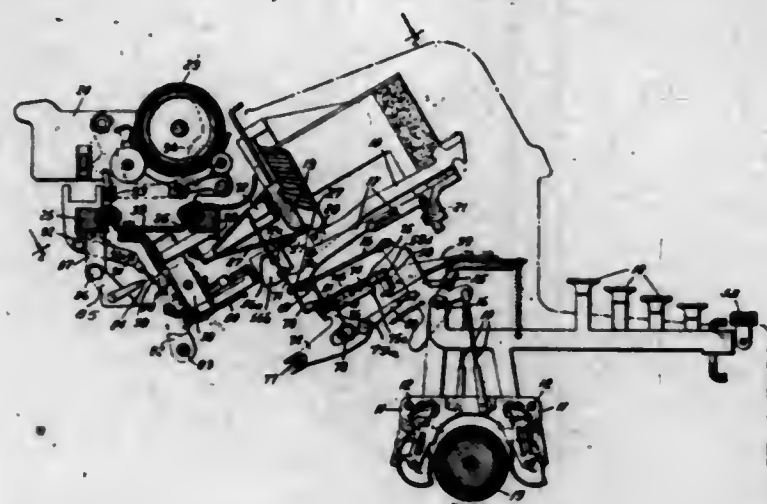
2,385,036

TYPEWRITING MACHINE

James F. Smathers, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 10, 1942, Serial No. 461,551
20 Claims. (Cl. 197-84)

4. In a typewriting machine, a carriage, selectively operable variable feed mechanism for the carriage including separately operable elements each determining a different extent of feed, a member movable to select said elements and also movable to operate the selected element, case shiftable character printing mechanism, a series of character keys, means to actuate said member to operate the selected element with each operation of the printing mechanism, and means controlled by the keys for selectively moving said

member upon the operation of certain keys, and means operable upon a case shifting operation of



the printing mechanism to change the selecting movement of the first member.

2,385,037

PROCESS FOR THE PRODUCTION OF DERIVATIVES OF NITROETHYLENE

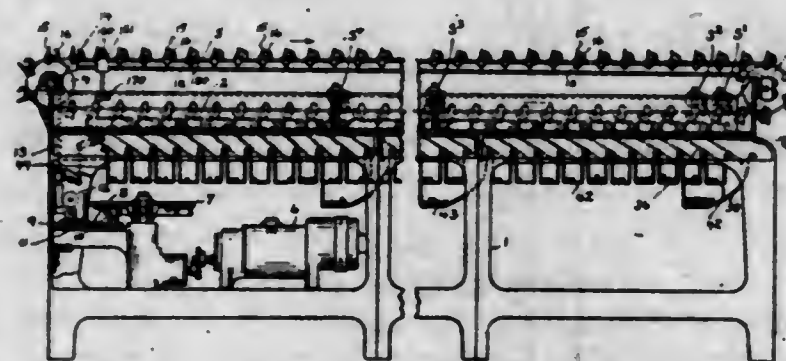
Arthur Ernest Wilder Smith, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain No Drawing. Application July 19, 1943, Serial No. 495,360. In Great Britain April 20, 1942 2 Claims. (Cl. 260-644)

1. A process for the preparation of polymerised nitroethylene which comprises reacting 1:2-dinitroethane in the presence of an aqueous medium with a substance selected from the group: alkali metal carbonate, alkali metal bicarbonate, alkali metal hydroxide, alkaline earth metal carbonate, alkaline earth metal bicarbonate, alkaline earth metal hydroxide, ammonium carbonate, ammonium bicarbonate, ammonium hydroxide.

2,385,038

SORTING MACHINE

Harold H. Snyder, Mount Lebanon, Pa., assignor to Forter-Teichmann Company, Pittsburgh, Pa., a corporation of Pennsylvania Application September 10, 1942, Serial No. 457,805 17 Claims. (Cl. 209-75)

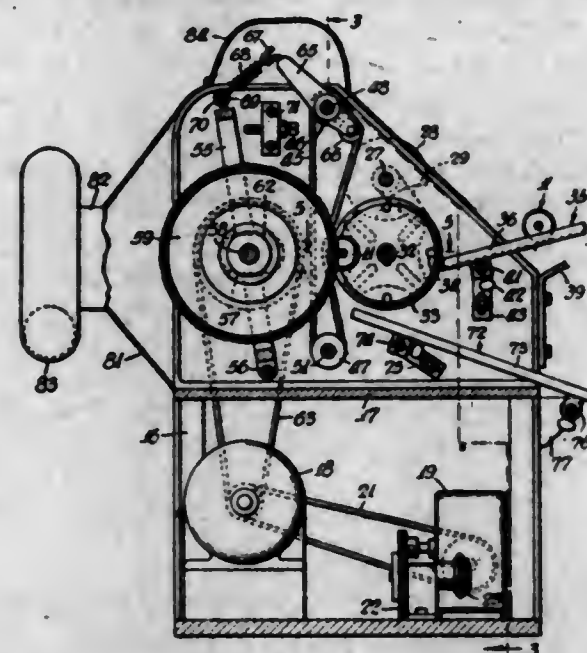


1. A machine for assorting articles according to size and weight comprising succession of spaced-apart size-grading stations, a series of spaced-apart gravity sorting devices organized with each station and with the several series arranged sequentially with respect to said stations, means for engaging and transporting articles to be assorted sequentially through said stations and the intervening series of sorting devices, and means at each station for releasing the articles according to size to one or another of said series of gravity sorting devices.

2,385,039

DRAWING ROLL CLEANING MACHINE

Harry G. Steinmetz, Port Chester, N. Y., assignor to E. V. Hadley, New York, N. Y. Application February 20, 1943, Serial No. 476,612 10 Claims. (Cl. 15-21)

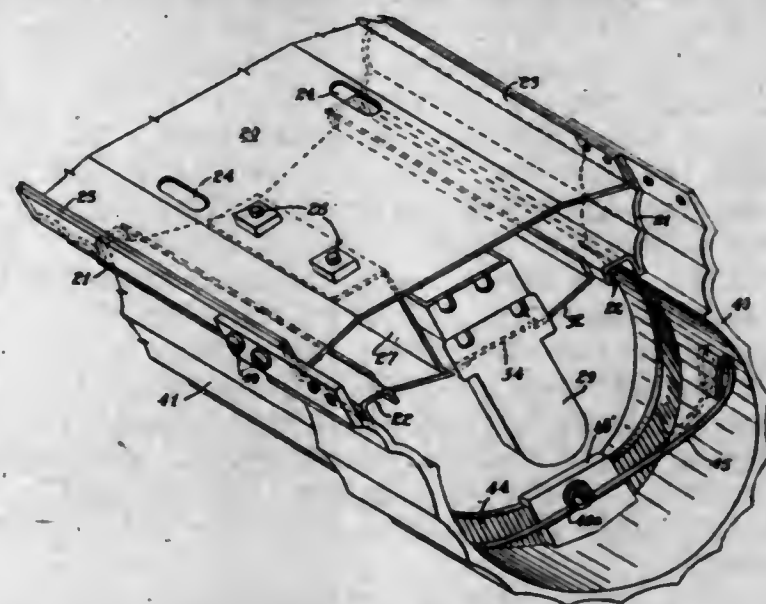


1. In a cleaning machine for spinning machine drawing rolls, a frame, a pair of rotary carrier discs having means for receiving a drawing roll and supporting the same during cleaning thereof, belt means for rotating the roll while being cleaned, rotary brush means engaging portions of the drawing roll to clean the same, means for tensioning the belt during the cleaning operation, such means being connected to the brush means so as to also move the same forwardly for the cleaning operation, and motor means having connections whereby the brush means is rotated and the belt means is moved.

2,385,040

LUMINAIRE FOR USE WITH TUBULAR FLUORESCENT LAMPS

William J. Strassburger and Verne W. Hunter, Pittsburgh, Pa., assignors to Grant Building, Incorporated, a corporation of Pennsylvania Application December 18, 1940, Serial No. 370,594 9 Claims. (Cl. 240-78)



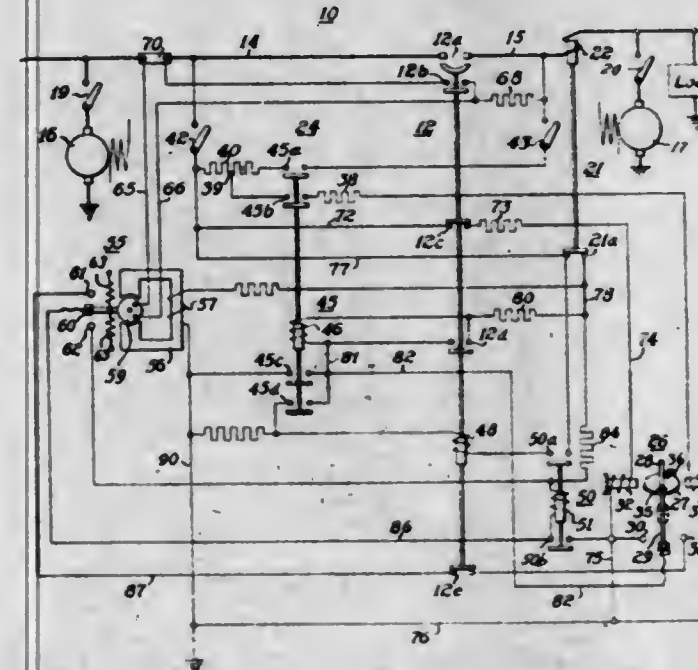
2. In an illuminating fixture, an elongated, open-ended, trough-like, light-emitting cover, supporting means for said cover including two separate aligned supports spaced apart a distance less than the overall length of said cover and each embracing and supporting one end thereof, an elongated light source disposed within the confines of said cover and extending longitudinally thereof, a stop carried by one such support limiting the longitudinal movement of said cover in one direction, the other support

being constructed and arranged to provide sufficient clearance to permit longitudinal movement of the cover away from said stop in an amount necessary for the stop-engaging end of such cover to clear the stop-carrying support on outward movement of such end of said cover, said cover being substantially U-shape in cross section and substantially uniform from end to end whereby it may be moved longitudinally in said supporting means without being first moved laterally thereof and spring means mounted on the support opposed to the stop-carrying support and engaging the adjacent end edge of said cover at spaced points thereof on opposite sides of said light source and yieldingly resisting longitudinal movement of said cover in a direction away from said stop.

2,385,041

CONTROL SYSTEM

William R. Talliaferro, Edgewood, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania Application April 23, 1943, Serial No. 484,172 6 Claims. (Cl. 175-294)

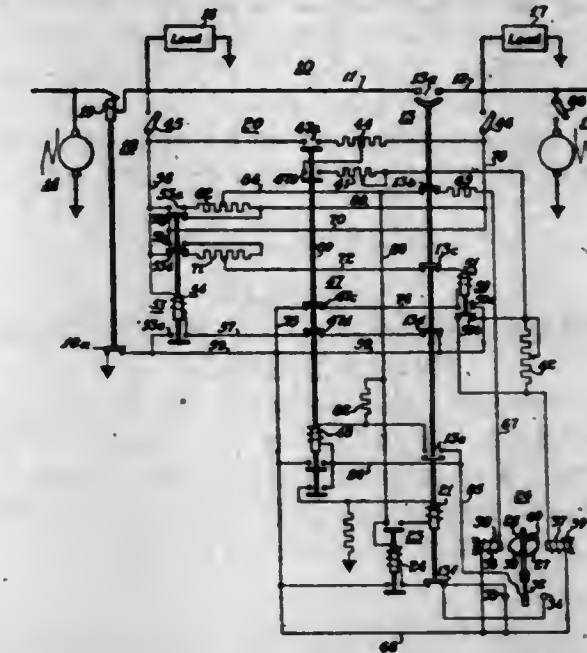


1. A control system for a circuit breaker disposed to connect a load circuit to a direct current source comprising, control means operable to effect operation of the circuit breaker a polarized relay having a pair of spaced contact members and a movable contact member actuated by an operating winding to engage one or another of the stationary contact members, a control resistor, circuit means connecting the operating winding and control resistor in series circuit relation across the circuit breaker for actuating the movable contact member to engage one of the stationary contact members and provide for operation of the circuit breaker control means to effect closure of the circuit breaker when the voltage of the source is higher than the voltage of the load, a shunt connected in series circuit relation with the circuit breaker, and control means connecting the said operating winding across the shunt for energization in accordance with the current through the circuit breaker when it is closed, said operating winding being effective when thus connected to actuate the movable contact member to engage the other of the stationary contact members and effect operation of the control means for opening the circuit breaker if the current flows from the load to the source.

2,385,042

CIRCUIT BREAKER CONTROL SYSTEM

William R. Talliaferro, Edgewood, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania Application April 23, 1943, Serial No. 484,173 5 Claims. (Cl. 175-294)

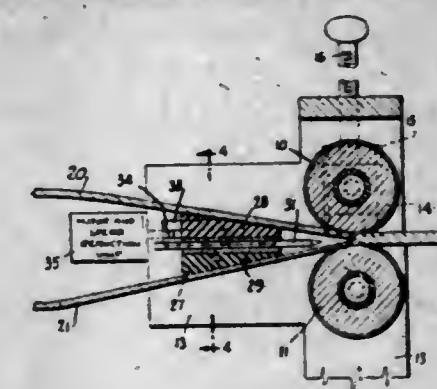


1. A control system for a circuit breaker disposed to provide a tie connection between a pair of feeder sections connecting a plurality of sources and loads for supplying electrical energy to the loads in either direction either in multiple or singly comprising, a control relay effective to determine which of the feeder sections is to have its load characteristics measured, load measuring means selectively connected to the section to have its load characteristics measured by the control means to determine whether the load characteristics of said section are such that the circuit breaker can be closed without exceeding a predetermined transfer of electrical energy from one section to another, means operable to recalibrate the load measuring means if the section is to have its load characteristics measured is being supplied from another source, circuit means including contacts of the control relay for selectively connecting the recalibrating means to whichever section is to have its load characteristics measured, and means operable in response to a predetermined operation of the load measuring means to effect closure of the circuit breaker.

2,385,043

ELECTRIC WELDING

Alfred Vang, Newark, N. J., assignor of one-half to Stevenson, Jordan & Harrison, Inc., New York, N. Y., a corporation of New York Application April 16, 1943, Serial No. 483,248 12 Claims. (Cl. 219-4)



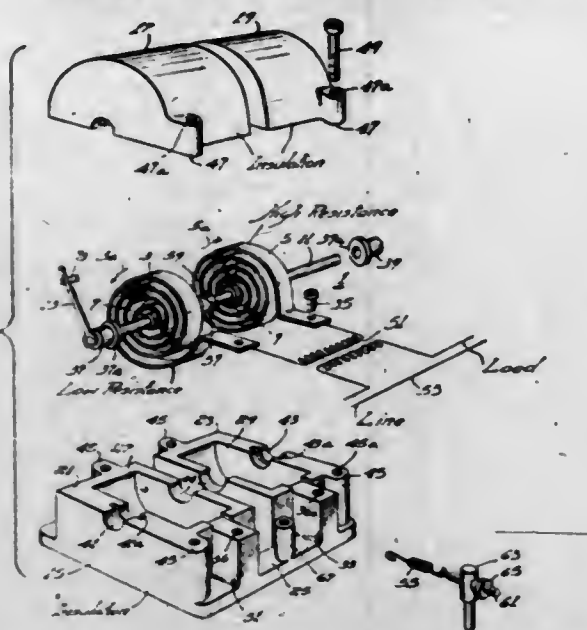
1. An apparatus for welding sheets of similar or dissimilar metals, together in face contact with each other, comprising pressure and counterpressure feeding rollers, means for guiding said sheet metals from separated sources to and between said rollers, so as to be in face contact with each other, an ignition electrode which is

at least as wide as said sheets and located between said sheets at a line slightly in front of said rollers, so as to be located in the apex vicinity formed by said sheets meeting and contacting with each other, means for supplying a welding current to flow between said rollers and electrode, and means for ionizing the atmosphere bounded by said sheets from their line of contact to said electrode for controlling said welding current and causing it to arc between the adjacent faces of said sheets and electrode, and for melting the adjacent skins of said sheets, which are then forced together by said rollers and become welded.

2,385,044

THERMORESPONSIVE MEASURING INSTRUMENT

Hervey P. Vassar, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 6, 1942, Serial No. 453,782
7 Claims. (Cl. 171-95)

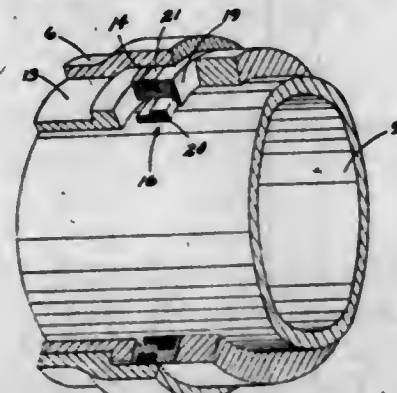


3. In a thermal device, a pair of spiral thermoresponsive springs having different electrical resistances, each of said springs comprising a pair of metallic elements having different temperature coefficients of expansion, means comprising a shaft mechanically and electrically connecting the inner ends of said spiral springs, and supporting means mounting said shaft for rotation relative to the outer ends of said springs, said springs being disposed to apply torques differentially to said shaft when electrical current is passed through said springs.

2,385,045

PACKING RING FOR SHOCK ABSORBING STRUTS

John F. Wallace, University Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application August 26, 1943, Serial No. 500,093
3 Claims. (Cl. 286-26)



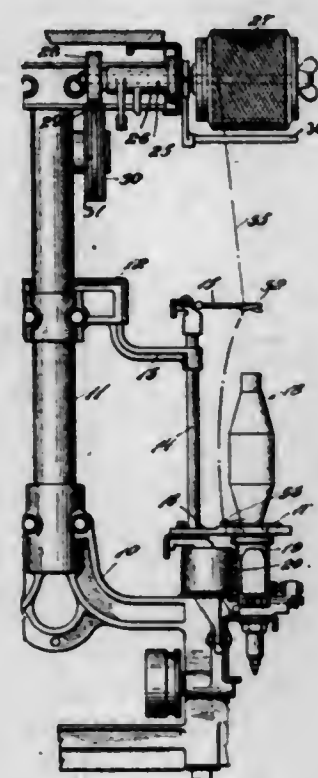
1. In a shock absorber, inner and outer telescoping members containing pressure fluid, means

for sealing the sliding joint between said members comprising an annular housing carried by the outer member and held therein against movement, said housing having flat end walls and cylindrical inner and outer walls, a resilient packing ring assembled upon the inner wall of the housing and fixed thereto, said ring having an integral lip free of the housing extending endwise thereof and terminating short of the adjacent end wall, said lip decreasing in thickness toward its free edge and biased inwardly away from said housing for contact with the inner telescoping member.

2,385,046

YARN TWISTER

Albert E. Winslow, Mystic, Conn., assignor, by mesne assignments, to Farrel-Birmingham Company, Incorporated, Ansonia, Conn., a corporation of Connecticut
Application September 11, 1943, Serial No. 501,963
2 Claims. (Cl. 57-66)



1. In a yarn handling machine, a unit assembly comprising a supply package of a plurality of parallel strands, an individual spindle for each of said strands, guides for directing one strand to each spindle, one strand leading straight enough to carry the twist back to the supply package, means for driving the spindles to take up and twist each strand and co-related means for driving said supply package constituting the only means for transferring the strands from the supply package to the spindle packages.

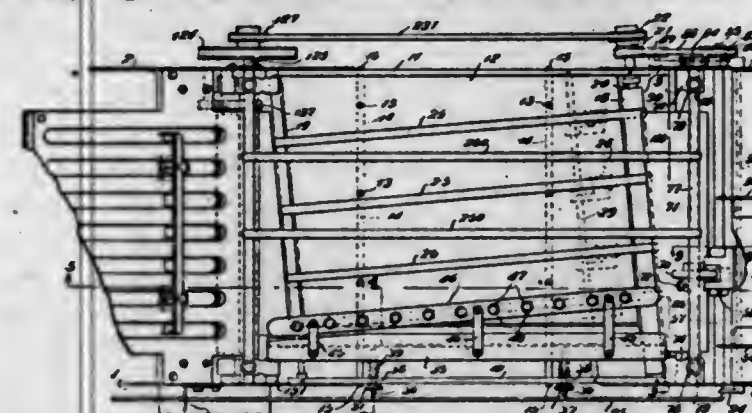
2,385,047

PAPER HANDLING MACHINE

Joseph Adrian, Cleveland, Ohio, assignor to The Turner Type Founders Company, Cleveland, Ohio, a corporation of Ohio
Application March 31, 1943, Serial No. 481,201
4 Claims. (Cl. 271-12)

1. In a sheet handling and treating machine, a support for a stack of sheets, mechanism for performing operations upon said sheets, sheet feeding means for withdrawing sheets successively from the stack and feeding them toward said mechanism, a prime mover, constantly effective driving connections between the prime mover and said mechanism, a pulley situated on the rear side of the machine and operated by and in unison with said connections, a second pulley located on said rear side for driving the sheet feeding

means, a belt engaged over said pulleys and normally sufficiently loose not to transmit motion to the second pulley, a belt tightener arranged to operate upon said belt for rendering it effective to drive the second pulley from the first, a shaft extending from the rear to the front of the machine, operative connections between the rear

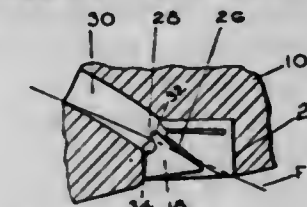


end of the shaft and said belt tightener, an arm on the forward end of the shaft, and an actuator extending lengthwise of the machine along the front thereof and having connection with said arm whereby the shaft may be rocked through the medium of said actuator to operate the belt tightener.

2,385,048

SHUTTLE

James Gardiner Allen, Hopedale, and Antonio Villani, Milford, Mass., assignors to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application October 28, 1944, Serial No. 560,803
3 Claims. (Cl. 139-223)



1. In a loom shuttle, a shuttle body having a recess for receiving a replaceable filling carrier and a thread passage communicating with said recess, and a side delivery eye at the forward end of said passage, said eye being generally cylindrical in shape and having a thread receiving slot in alignment with the forward end of said thread passage, a hook on said eye adjacent to the thread passage end of said slot defining an opening in which the filling thread normally runs when the shuttle is completely threaded and forming a trap to prevent the filling thread from being thrown upwardly through said thread receiving slot.

2,385,049

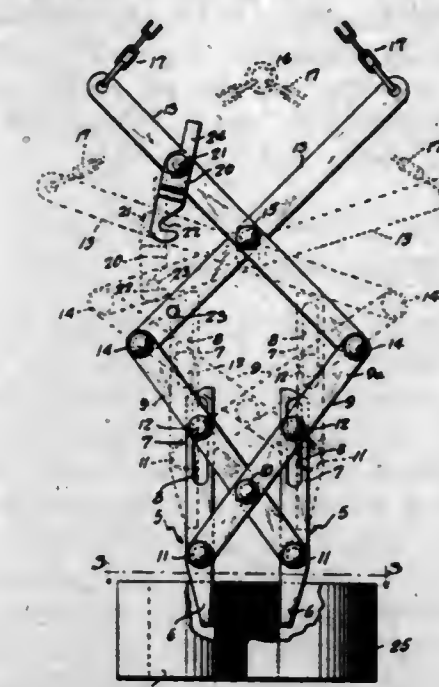
LIFTING TONGS

Raymond H. Bates, Waterbury, Conn.
Application June 17, 1944, Serial No. 540,823
2 Claims. (Cl. 294-118)

1. Lifting tongs comprising a pair of jaws each including a shank provided with a gripping portion at one end thereof, a pair of links on each of the opposite sides of the shanks, the links of each pair being pivoted together intermediate their lengths and at one end to one of the jaws adjacent the gripping portion thereof, each shank being provided with an elongated slot adjacent its other end, a pivot pin passing through each slot and connecting the links on the opposite sides of the shank, a pair of levers pivoted together intermediate their lengths and each having one end located between the free ends of the corresponding links on the opposite sides of a jaw and pivoted to said links, a lifting means connected to each of the opposite ends of the le-

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vers and tending by a pull thereon to shift the levers to operate the jaws to grip an article, and

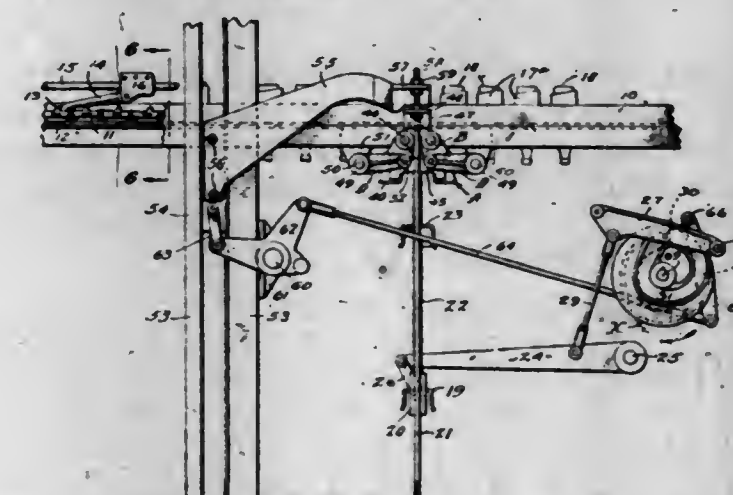


releasable means for holding the levers in the expanded position with the jaws away from the article.

2,385,050

BOTTLE CLEANING APPARATUS

Ernest R. Becker, Oak Park, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application August 15, 1942, Serial No. 454,901
13 Claims. (Cl. 141-7)



1. An apparatus for cleaning bottles comprising: a conveyor having transversely extending bottle carriers each provided with seats for supporting bottles in an inverted position on said carrier and means for imparting intermittent movement to said conveyor; a support extending transversely of the said apparatus, the said support comprising relatively movable members; a series of cup segments carried by one of the said members and a series of cooperating cup segments carried by the other of said members; vertically reciprocable means for lifting the said members, with the cup segments supported respectively thereby in assembled relation to one another toward a carrier thereabove during an inactive cycle of the conveyor, whereby the lower portions of the cups formed by said segments will engage and center the mouths of bottles on said carrier, and for thereafter lowering the said supporting members during such inactive cycle of the conveyor; and means additional to the vertically reciprocable lifting means for causing one of the said members to be moved away from the other member during the lowering movement of the said means, thereby to separate the cup segments supported respectively by said members and enable any material that may have been received within one or more of the cups comprising such segments to be discharged.

2,385,051

GUN SEALING MEANS

Donovan R. Berlin and Clem G. Trimbach, Eggersville, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application August 28, 1940, Serial No. 354,502
1 Claim. (Cl. 89—31)

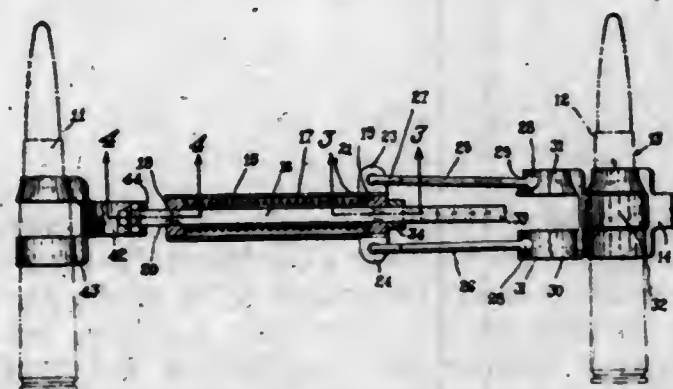


The combination with an aircraft gun of the kind having a barrel, the muzzle end of which is exposed, and a perforate cooling sleeve carried by said barrel, of an imperforate, non-elastic tube which is open at both ends and which fits over said cooling sleeve, an adjustable element carried by said tube and movable into a perforation in said cooling sleeve to releasably secure said tube onto said sleeve, whereby it may be readily removed preparatory to the use of said gun under normal operating conditions, and a cap-piece which fits over the end of said tube and which is adapted to be blown off when said gun is fired, said tube and cap-piece wholly enclosing the exposed portions of said gun barrel and sleeve to protect them against the elements during periods of non-use and said tube being operative, when it is permitted to remain on said sleeve, to render the enclosed portion of the latter ineffective when the gun is to be fired at such low temperatures as to render the cooling action of said sleeve undesirable.

2,385,052

AMMUNITION BELT TENSION METER

Paul M. Birk, Kenmore, and Charles E. Slater, Jr., Williamsville, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application July 26, 1943, Serial No. 496,228
7 Claims. (Cl. 73—167)

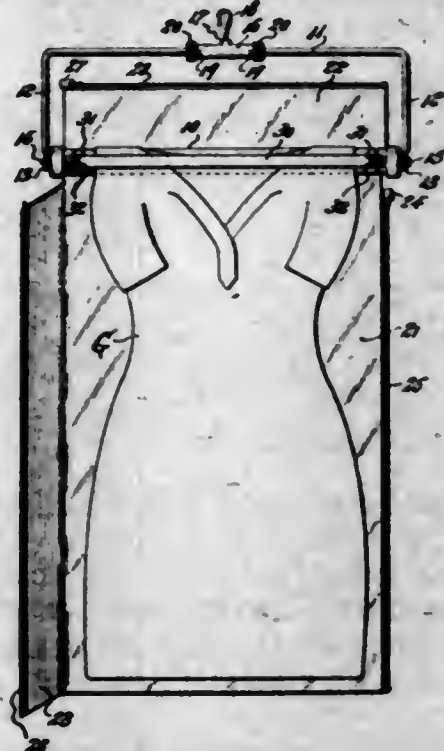


1. In a tension meter for measuring the pulling force acting upon an ammunition belt, external and internal parts arranged in overlapping relationship with respect to each other and being movable to extend positions, yieldable means for maintaining said parts in unextended positions, means for respectively connecting the parts to adjacent shells of an ammunition belt including cartridge links in both instances and respectively fashioned with double and single ring portions, the internal part extending beyond the external part and including means for indicating the extent to which the parts are extended, said external part having ear portions extended respectively laterally at the indicating end of the parts, and swivel links connected respectively to the ear portions of the external part astraddle of the indicating means and to the double ring portions of a cartridge link, and means for connecting the internal part for swivelling engagement with the single ring portion of the other cartridge link.

2,385,053

GARMENT HOLDING MEANS

Beatrice P. Bohn, Sea Girt, N. J.
Application September 28, 1944, Serial No. 556,251
5 Claims. (Cl. 223—85)



1. A device for the purposes described comprising a spring actuated roller of the automatic dent release type, a hanger yoke between the arms of which said roller is mounted, said hanger yoke having a shiftably adjustable hanger hook for suspending the device from a stationary support, means carried by said roller for clamping thereto a garment for initial suspension therefrom, a closure envelope also affixed to said roller to initially depend therefrom, said closure envelope being manipulatable to envelope a garment dependent from said roller, and said garment and enveloping closure envelope being adapted by actuation of said roller to be wound upon and about the same.

2,385,054

BENEFICIATION OF IRON ORE

Robert B. Booth, Springdale, and Earl C. Herkenhoff, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 11, 1943, Serial No. 498,254
15 Claims. (Cl. 209—166)

1. A method of beneficiating oxidized iron ores by froth flotation which comprises subjecting the ore to froth flotation in the presence of an effective amount of a collector containing as its essential collecting constituent sulfonated talloel including an effective amount of an acid substance the anion of which is a constituent of an acid having a dissociation constant of at least 10^{-7} and which does not adversely effect flotation whereby a concentrate is obtained relatively rich in iron mineral and a tailing relatively poor in iron.

2,385,055

TOOL FOR APPLYING TUBE SEALING DEVICES

Abel H. Breslove, Chicago, Ill., assignor, by mesne assignments, to Van Cleef Bros., Chicago, Ill., a partnership consisting of Noah Van Cleef, Felix Van Cleef, Paul Van Cleef, Frances G. Van Cleef, Ruth Van Cleef, and Jeanne Van Cleef
Application August 19, 1943, Serial No. 499,182
2 Claims. (Cl. 81—1)

1. A tool adapted for use in applying to one end of a cylindrical tube a sealing device in the

form of a disc-like pad and a materially larger flexible backing sheet having the pad affixed to its central portion, and comprising a tubular body of circular cross section, having one end thereof open and shaped to receive said one end of the tube, and provided inwards of the outer extremity of said one end with an annular series of equidistantly spaced slots, a plunger mounted in the body to slide lengthwise thereof, provided with spring means for urging it towards the receiving end of the body, and adapted when the pad and pad covering portion of the backing sheet of the sealing device are interposed between its outer end and the edge of said one end of the tube and the tube and body are moved towards one another to be depressed against the force of its spring and to press the pad firmly



against said edge, an annular series of equidistantly spaced fingers corresponding in number to the slots, positioned in, and extending lengthwise of, the receiving end of the body, provided at the inner ends thereof with outwardly extending lugs fitting loosely in the slots respectively and forming pivotal connections whereby the fingers are permitted to move inwards and outwards to a limited extent, and adapted during depression of the plunger in connection with a sealing device applying operation to have the outer ends thereof fold the marginal portion of the backing sheet around said tube end, and a circular contractile type spring extending around the outer ends of the fingers and serving to urge them inwards in order to cause them to press said marginal portion of the backing sheet firmly around and against said tube end.

2,385,056

CIRCULAR KNITTING MACHINE

Thomas Charles Bromley and Arthur Shortland, Leicester, England, assignors to Mellor Bromley & Co. Limited, Leicester, England, a British company
Application September 28, 1942, Serial No. 459,997
In Great Britain September 29, 1941
7 Claims. (Cl. 66—14)



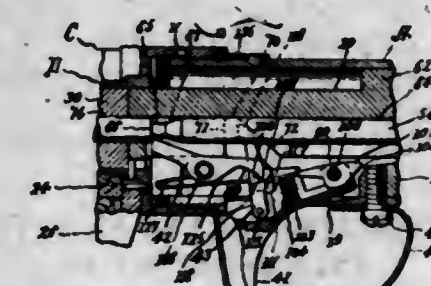
1. In a circular knitting machine, in combination, a plain needle cylinder, needles in said cylinder, means for feeding yarn to said needles, desired ones of said needles being movable to an inactive position to enable knitting thereon to

be temporarily suspended at required times, a sinker bed associated with said cylinder, a circular series of inside sinkers slidably mounted in said bed for co-operation with the needles, said sinkers being furnished with operating butts, and sinker cams providing between them a track for the butts, said track being so curved at a knitting location as directly to cause outward movement of the sinkers at one point preparatory to the formation of stitches by the needles, inward movement of said sinkers at another point to enable them to hold down newly formed loops preparatory to further stitch formation, and partial inward movement of the sinkers at a location between said two points and to such an extent that any one of the sinkers associated with an inactive needle is positioned inwardly beyond the yarn feeding to the needles whereby undesired engagement of said yarn by such a sinker is avoided.

2,385,057

FIRING MECHANISM FOR REPEATING FIREARMS

Val A. Browning, Ogden, Utah, assignor to J. M. & M. S. Browning Company, Ogden, Utah, a corporation of Utah
Original application July 9, 1941, Serial No. 401,602. Divided and this application December 31, 1942, Serial No. 470,844
11 Claims. (Cl. 42—3)



1. In a firearm, a receiver, a breech block therein, a firing pin, a sear for the firing pin pivotally supported by said receiver; a trigger having an unpulled position, an intermediate position, and an extreme pulled position; and a connector between said trigger and sear and movable by said breech block to an inoperative position relative to the sear upon recoil movement of the breech block and movable by said breech block towards operative position when the breech block moves forwardly into breech closing position, said connector and sear being so constructed and arranged that when the connector moves from its inoperative position towards its operative position, while the trigger is in its extreme pulled position, the connector releases the sear from the firing pin to effect full automatic firing, and when said trigger is in intermediate position movement of said connector is ineffectual with respect to the sear.

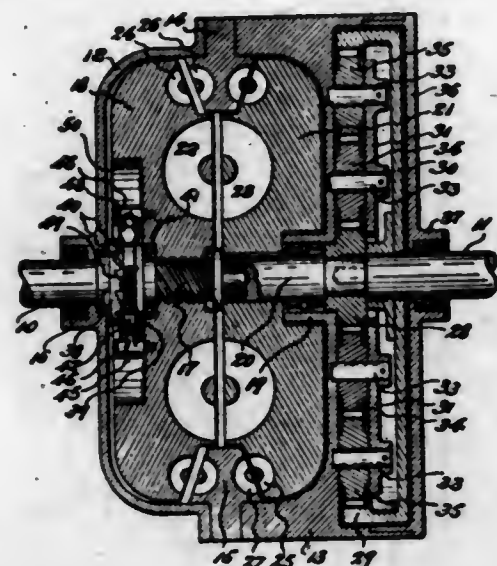
2,385,058

HYDROMECHANICAL POWER TRANSMISSION

Henry Buthe, Cliffside, N. J., assignor to Star Engineering Company, Newark, N. J., a firm composed of Hilmer Lagergren and Vincent Oehrlein, both of Union, N. J., and Henry Buthe, Cliffside, N. J.
Application December 15, 1943, Serial No. 514,312
8 Claims. (Cl. 74—189.5)

1. A hydro-mechanical automatic variable speed transmission comprising a power shaft, a driven shaft, a hydraulic turbine having an impeller means and primary and secondary rotor

means adapted to be independently driven by said impeller means, a spirally splined driving connection between said power shaft and said impeller means whereby the latter may be axially retracted and advanced into intermediate gap opening and closing relation to said rotor members, centrifugally actuated means for automatically controlling movements of said impeller



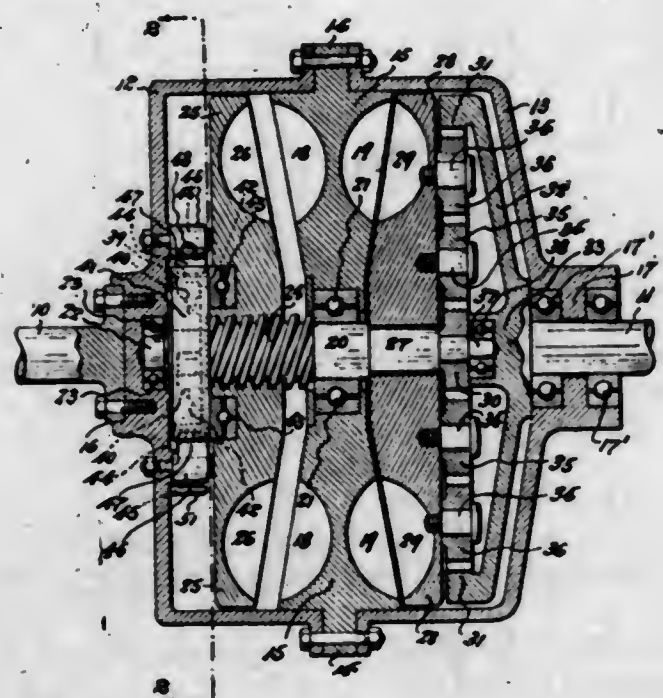
means to and from gap closing relation to said rotor members, a planetary gear set of the intermeshed dual pinion constant forward drive type operative to transmit power from said primary rotor means to said driven shaft, said planetary gear set having rotatable carrier means to support its intermeshed planetary pinions, and said carrier means being connected with said secondary rotor means so as to revolve therewith.

2,385,059

HYDROMECHANICAL POWER TRANSMISSION

Henry Buthe, Cliffside, N. J., assignor to Star Engineering Company, Newark, N. J., a firm composed of Hilmer Lagergren and Vincent Oehrlein, both of Union, N. J., and Henry Buthe, Cliffside, N. J.

Application May 6, 1944, Serial No. 534,415
9 Claims. (Cl. 74-189.5)



1. A hydro-mechanical automatic variable speed transmission comprising a power shaft, a driven shaft, a turbine casing unitary with said power shaft, an annular impeller member within and unitary with said casing, said impeller member having oppositely directed driving faces, a pair of independent rotor members respectively

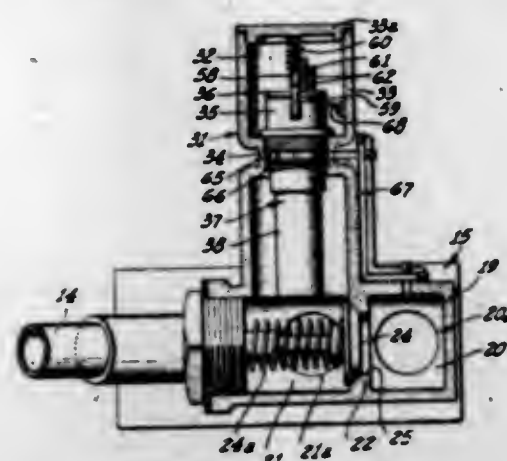
cooperative with the respective driving faces of said impeller member, a dual planetary gear train, one said rotor member carrying the dual planetary pinions of said gear train, the other said rotor member being connected in driving relation to the sun gear of said gear train, and the ring gear of said gear train being connected in driving relation to said driven shaft.

2,385,060

MODULATING MEANS FOR COOLER CONTROL

James E. Chapman, Los Angeles, Calif., assignor to The Garrett Corporation, Aircor Research Manufacturing Company division, Inglewood, Calif., a corporation of California

Application September 7, 1942, Serial No. 457,611
2 Claims. (Cl. 257-2)



2. In an oil cooling system for an internal combustion engine, the combination of: an oil cooler having an oil inlet and an oil outlet there being an opening between said inlet and said outlet; means for varying the cooling capacity of said cooler; delivery piping connecting the oil outlet of the engine with the oil inlet of the cooler; return piping connected to said outlet for carrying cooled oil away from said cooler; thermostat means for controlling the operation of said varying means, said thermostat means having a part exposed to the temperature of the oil and a movable pair of relatively movable members connected so that relative disposition thereof is responsive to the temperature of the oil and so that the disposition thereof determines the action of said varying means; and a wall movably disposed across said opening between said inlet and said outlet so as to be moved by the pressure drop between said inlet and said outlet, said wall preventing substantial flow of oil through said opening from said inlet to said outlet, and said wall being secured to said thermostat so as to bodily move the same, whereby the thermostat will change the disposition of said members independently of the effect of the oil temperature on said thermostat means.

2,385,061

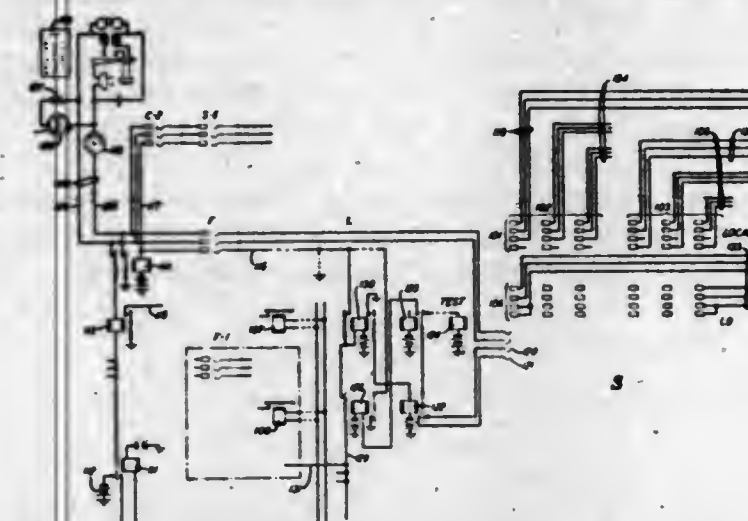
COMMUNICATION SYSTEM

Alva B. Clark, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 1, 1943, Serial No. 470,964
15 Claims. (Cl. 179-7.1)

1. The combination in a telephone system of a central telephone office, subscribers' lines terminating in said office, means for establishing conversational connections between said lines, means for measuring the load on said office, the operation of said measuring means bearing a predetermined relation to the total number of conver-

sational connections concurrently established, and means controlled by said load measuring



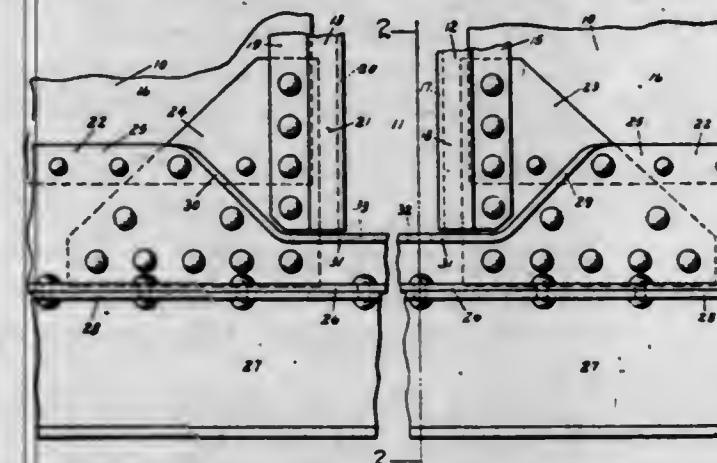
means for determining the rate of charge to be made against said subscribers.

2,385,062

CAR CONSTRUCTION

Frank Ditchfield, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio

Application October 21, 1943, Serial No. 507,125
9 Claims. (Cl. 105-418)



1. In a railway house car having a floor, spaced door posts, a side sill, said sill having an upstanding leg extending substantially from end to end of said car, said leg from said posts to the ends of said car extending above said floor, said leg being flanged between points adjacent to said posts, said flange gradually sloping downward and inward from said points to said posts and being horizontal from post to post, said horizontal portion of said flange being adapted to lie upon said floor, and means securing said posts to said sill.

2,385,063

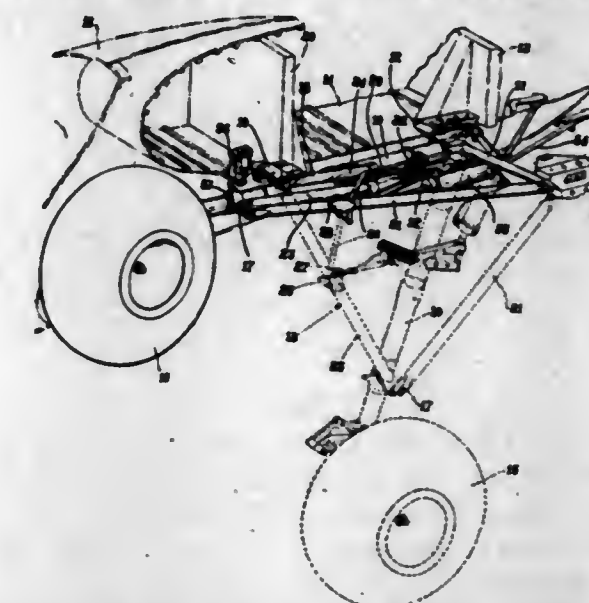
LANDING GEAR LOCK

Raymond F. Dreifke, St. Louis, Mo., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application July 26, 1943, Serial No. 496,235
2 Claims. (Cl. 244-102)

1. In an airplane, a supporting structure, a retractable landing gear connected to the supporting structure, said landing gear including a shock strut and a foldable brace strut for bracing the shock strut in its down position, said foldable brace strut having two link arms pivotally connected together, a power unit for retracting the landing gear, and a toggle link arrangement extending between the foldable brace strut and the shock strut for locking the foldable brace strut in its extended and straightened position, said toggle link arrangement including toggle links pivotally connected together and connected respectively to the brace and shock struts, stop

means preventing relative movement of the toggle links beyond the slightly over center position, tension springs connected between the toggle links tending to urge the links to a locking position against the stop means when in over center position and tending to urge the links to a collapsed position when short of center position, and said

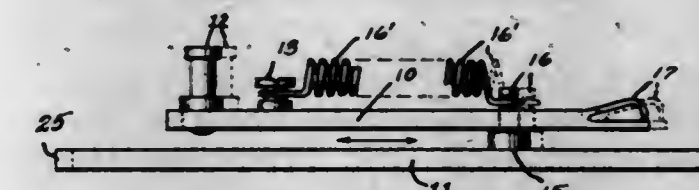


retracting unit for the landing gear connected to one of the toggle links at a point removed from its pivotal connection with one of the struts whereby the power for retracting the landing gear is applied through the toggle link to at first return the toggle links from their over center locking position to thereby unlock the toggle link arrangement.

2,385,064

SAFETY DELIVERY LINK SLIDE

Walter J. Droski, Grand Rapids, Mich.
Application July 17, 1944, Serial No. 545,325
1 Claim. (Cl. 74-584)



A safety delivery link slide comprising a reciprocable driving member and a parallelly reciprocable driven member, said driving member having a stud adjacent one end thereof and a bifurcated cam at its other end, said driven member having a stud disposed within the bifurcated cammed end, and a contraction spring secured at one end to one stud and detachably secured at its other end to the stud disposed within the bifurcated cammed end whereby an engagement by one end of the driven member with an overload causes the spring to be released from the stud disposed within the bifurcated cammed end during the driving pull of the driving member.

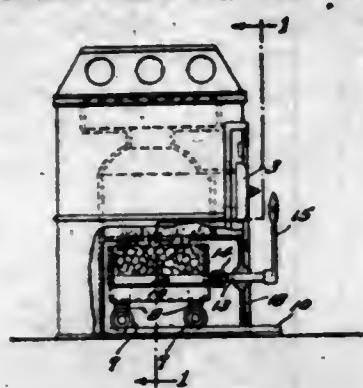
2,385,065

FURNACE

Stanley R. Du Brie, Ann Arbor, Mich.
Application October 1, 1943, Serial No. 504,652
4 Claims. (Cl. 110-86)

1. In a house heating furnace having a combustion chamber and a fuel chamber below the combustion chamber, a door swingable to open or close said fuel chamber, a firepot, wheels connected with the firepot, a trackway for said wheels extending exteriorly of the furnace whereby when the door is swung outwardly to open position the firepot may be moved on the trackway, said firepot including a grating, and means for operating the grating comprising a member carried by the door and detachably engaging the

grate when the door is swung to closed position and when the door is moved outwardly disengaging the operating member from the grating and permitting the firepot to be moved outwardly of the combustion chamber on said trackway.



ing the operating member from the grating and permitting the firepot to be moved outwardly of the combustion chamber on said trackway.

2,385,066

PREPARATION OF RED COPPER OXIDE
Arthur H. Du Rose, Euclid, and Charles F. Robinson, Bay Village, Ohio, assignors to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio

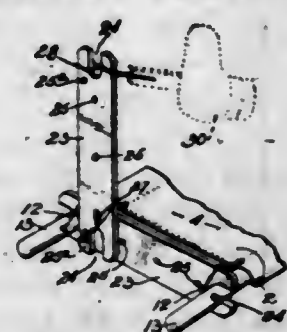
No Drawing. Application October 18, 1944, Serial No. 559,250

7 Claims. (Cl. 23-147)

7. A process of producing cuprous oxide comprising heating cupric oxide in an approximately neutral atmosphere with sulfur and carbon in the temperature range from 650° C. to 800° C. until the major portion of the cupric oxide has been reduced to cuprous oxide, the proportions of cupric oxide, sulfur and carbon, based on the combined weight of cupric oxide, sulfur and carbon in the batch being as follows: CuO, 91% to 95%; sulfur, 5.5% to 8%; carbon, 0.5% to 1.0%, and cooling the resulting product under non-oxidizing conditions.

2,385,067

FIRST-AID KIT AND STRETCHER
Zachaeus T. Egardner, Chicago, Ill.
Application April 2, 1943, Serial No. 481,635
4 Claims. (Cl. 5-8?)



4. In a first aid kit and stretcher including handles, notched bars, said bars being formed with a line of spaced centrally disposed perforations and with perforations offset with respect thereto, pins for disposal selectively in said notches to connect said bars together at different angles, the notched portions of one bar engaging said handles to spread same, and a cord secured at one end in a notch in a second bar to support a patient's limb carried on the stretcher.

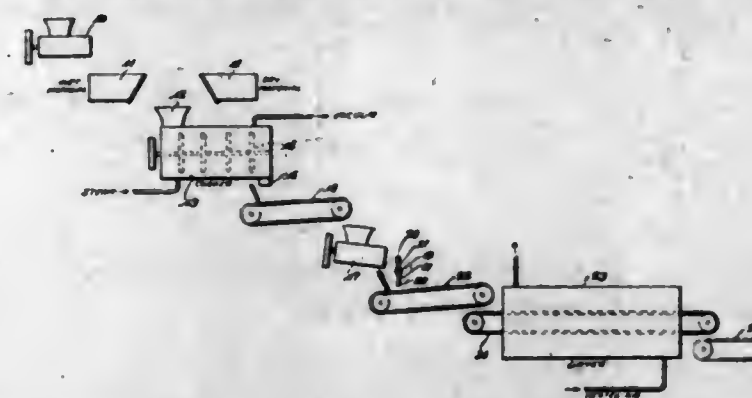
2,385,068

METHOD OF DEHYDRATING FOOD CONCENTRATES

Clarence H. Eshbaugh, Harold S. Mitchell, and Levi Scott Paddeok, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application August 14, 1942, Serial No. 454,788
7 Claims. (Cl. 99-2)

1. The process of preparing for preservation a cooked, comminuted, normally wet, starch gran-

ule and protein containing food; comprising cooking and partially dehydrating the food under conditions which preclude the hydrolysis of any substantial portion of the starch granules; said cooking step proceeding at atmospheric pressure for a substantial period of time of up to approximately one-half an hour until a temperature within the range of from about 180° F. to 210° F. is reached, then immediately thereafter subjecting the cooking food to a vacuum of a degree equal to at least ten inches of water to accom-

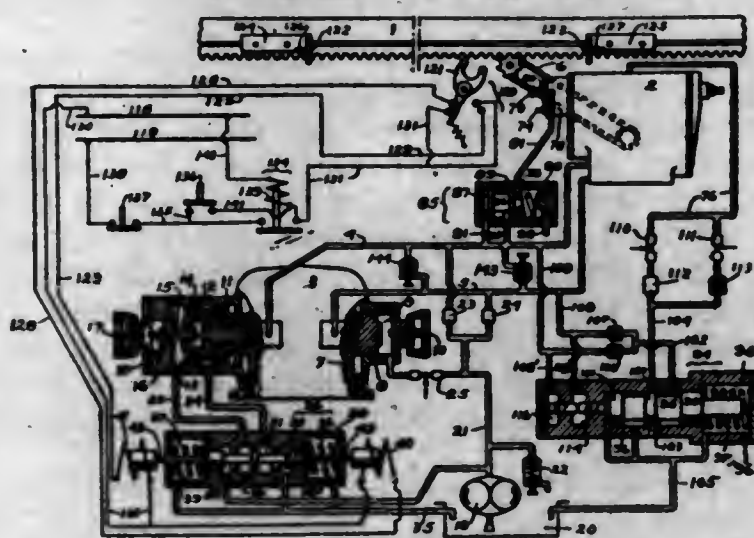


plish said partial dehydration without substantial hydrolysis of the starch granules, and said partial hydrolysis proceeding until the product has a moisture content of from approximately 33 percent to 45 percent by weight; comminuting the partially dried and cooked food to a particle size such that the individual particles will dry evenly throughout and without drying to such a consistency as will interfere with rehydration, and then completing the drying of the comminuted product.

2,385,069

HYDRAULIC DRIVE

Walter Ferris, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 27, 1942, Serial No. 432,605
20 Claims. (Cl. 60-53)



1. A hydraulic drive, comprising a variable displacement motor for moving an inertia load, a pump for supplying motive liquid to said motor to energize the same, means for varying the delivery of liquid to said motor to thereby cause said motor to accelerate or decelerate said load, and means acting substantially coincidently with said acceleration or deceleration for increasing the displacement of said motor to thereby provide additional motor torque to effect said acceleration or deceleration.

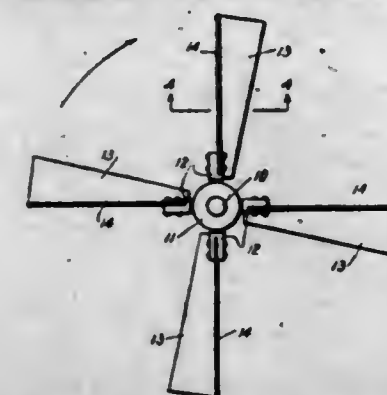
8. A hydraulic drive, comprising a variable displacement motor for moving an inertia load, a reversible pump for supplying liquid to said motor to enable it to move said load, means for reversing said pump to thereby cause said motor to reverse the direction of movement of said load, means responsive to said load reaching a given point for effecting operation of said pump reversing means, means acting substantially coin-

cidently with the reversal of said pump for increasing the displacement of said motor to thereby provide additional motor torque for effecting deceleration and acceleration of said load during reversal thereof, and means for limiting the rate at which said pump is reversed.

2,385,070

FAN

Leslie Gant, Denver, Colo.
Application October 8, 1941, Serial No. 414,107
1 Claim. (Cl. 170-159)

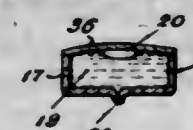


In a fan of the character described, a blade formed with a tapered flat web portion longitudinally inclined at an angle to its axis of rotation and disposed with its wider end outermost to form an angle with its plane of rotation, and a triangular flange integral with the trailing edge of said web portion on the side of the latter forming an acute angle with the axis of rotation and disposed with its base adjacent the inner end of said web portion in such obtusely-angular relation with the plane of the latter as to position the flange substantially in a plane radial of the rotational axis.

2,385,071

METHOD OF FORMING CONTAINERS

James Geier, Troy, N. Y.
Application December 3, 1942, Serial No. 467,697
2 Claims. (Cl. 49-79)



1. In the art of manufacturing a glass level partly filled with a fluid, the steps of heating a section of a prefabricated open top glass container by contact with a source of heat until said section is softened while preventing the heat from reaching other parts of the container and maintaining such parts in a substantially cold and solid state, removing said source of heat, applying outwardly directed pressure to said softened section until said section is formed into a hollow projecting tip, cooling the section and sealing the top of the container and removing the end of the tip to provide a passage for said fluid.

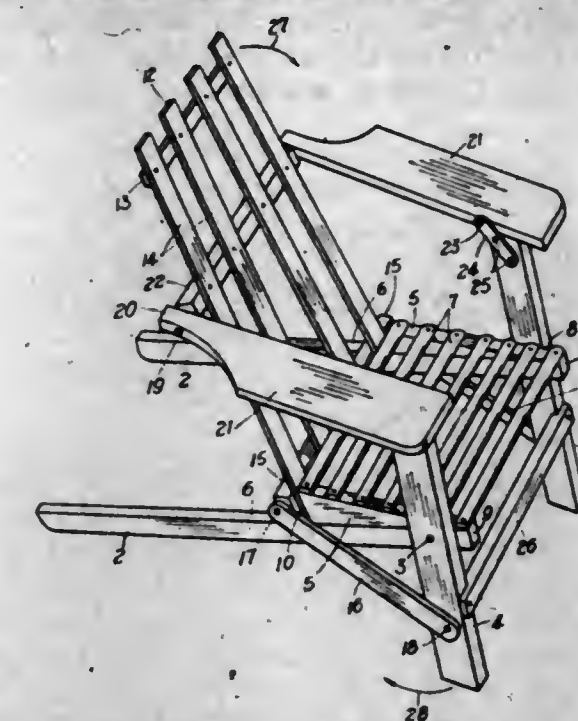
2,385,072

FOLDING CHAIR

Harvey C. Gray, Hamilton, Ohio
Application May 20, 1944, Serial No. 536,503
7 Claims. (Cl. 155-139)

1. A folding chair comprising in combination, a rigid rear leg structure including inclined legs, stop means and a fixed seat portion as an integral assembly, a pair of upstanding front legs pivoted to the inclined rear legs adjacent to the front of the seat portion, a pair of arm rests, a pair of stabilizing braces, and a back rest having a lower end slidable along the rear legs, said stabilizing braces each having a rear end pivoted

to the lower end of the back rest, and disposed exteriorly of the rear leg structure so as to embrace the rear legs between said stabilizing braces for guiding purposes, means pivoting the opposite ends of said stabilizing braces to the front legs at points beneath the front leg pivots, means pivotally connecting the front end of each arm rest

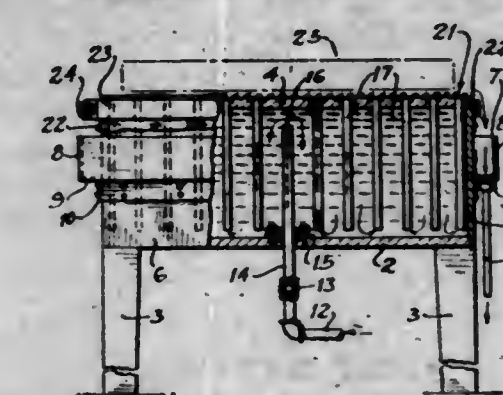


to the upper end of a front leg, and means pivotally connecting the rear end of each arm rest to the back rest at an elevation above the stabilizing braces, said stop means being fixed relative to the rear leg structure adjacent to the rear of the seat portion, for limiting sliding movement of the lower end of the back rest toward the seat portion.

2,385,073

PHOTOENGRAVER'S PLATE COOLER

Edward Graney Grubbs, Los Angeles, Calif.
Application June 27, 1944, Serial No. 542,417
4 Claims. (Cl. 62-11)



1. In an apparatus of the class described, a cooling bed plate, a series of holes located equidistant from each other and extending vertically through the said plate, a series of small pipes fixed in said holes and extending downwardly from the underside of said cooling plate, a water chamber confined beneath the said cooling bed plate and into which extend the above mentioned pipes as fixed into the said cooling bed plate, means for forcing water into the said chamber and out through the pipes which are fixed into the bottom of the said cooling bed plate.

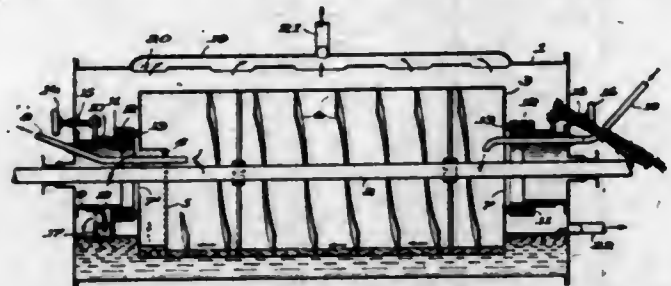
2,385,074

APPARATUS FOR CONTINUOUS FRACTIONAL DISTILLATION

Edwin M. F. Guignard, Berlin-Dahlem, Germany; vested in the Alien Property Custodian
Application August 30, 1941, Serial No. 409,101
In Germany August 31, 1940
9 Claims. (Cl. 202-238)

1. An apparatus for continuous fractional distillation, comprising a cylindrical chamber, a sec-

ond cylindrical chamber disposed within said first chamber and spaced from the inner walls thereof, said second chamber being journaled for rotation about its longitudinal axis in the end wall of said first chamber, means for rotating said second chamber, means for sealing the interiors of the said chambers from each other to prevent the passage of gases from one to the other, means for feeding a liquid to the interior of the inner chamber at one end thereof, means for withdrawing



liquid from said inner chamber at the opposite end and for feeding it to the interior of the outer chamber at one end thereof, means within said inner chamber to effect movement of the liquid from one end thereof to the other upon rotation of said chamber, means for withdrawing liquid from the outer chamber at the end opposite the place of its injection, separate means for withdrawing vapors from the two chambers, and means for heating the chambers.

2,385,075

DETERGENT COMPOSITION

James Kenneth Gunther, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Application September 12, 1942,

Serial No. 458,138

6 Claims. (Cl. 252-140)

1. A substantially non-caking cleanser composition which comprises a mixture of a predominant amount of finely divided silica and a substantial amount but not in excess of about 30% by weight of a finely divided water-soluble alkaline alkali metal phosphate, said mixture normally tending to cake when stored in a humid atmosphere, and sufficient finely divided calcium silicate to substantially prevent said caking.

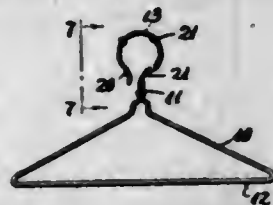
2,385,076

GRIP HANGER

John Halpert and Estelle Lambert, Brooklyn, N. Y.

Application May 27, 1944, Serial No. 537,620

3 Claims. (Cl. 223-88)



1. A grip hanger, comprising a length of wire having one end twisted around a section of said wire forming a vertical neck for the hanger, the portions of said wire beneath said neck being shaped into a horizontal loop portion forming the shoulders for said hanger, the other end of said wire continuing upwards into a hook portion for the hanger, and a movable extension member on said hook portion for gripping a hanger support rod to selected angular amounts, said extension being in the form of a separate member extended along said hook portion and having clamps formed on said extension member for gripping said hook portion.

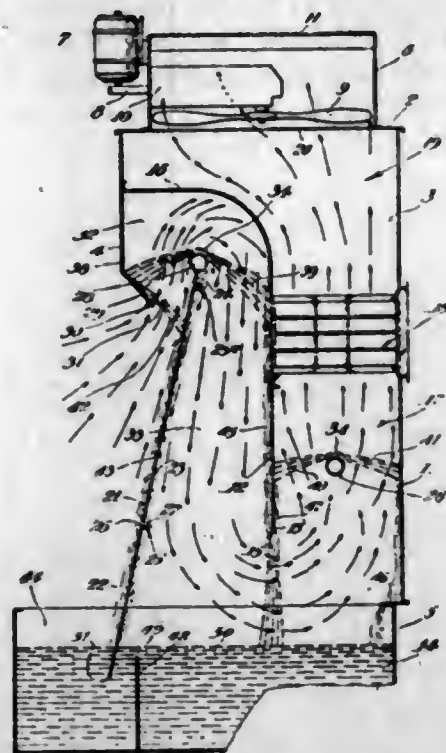
2,385,077

SPRAY BOOTH

George A. Harker and Eric Gustafsson, Chicago, George Allen, North Lake Village, and Roy Nelson, Chicago, Ill., assignors to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application May 13, 1943, Serial No. 486,814

7 Claims. (Cl. 261-118)



1. In a spray booth type of gas cleaner having a work locus, a wash chamber, an air passage extending from said locus to said chamber, and a liquid receptacle in the lower part of said locus; said passage comprising an apron located in an upright position and rearwardly of said locus, a frontal wall provided spacedly forwardly of the upper portion of said apron and having a depending liquid sheet forming apron inclined rearwardly and downwardly toward said upright apron with its lower edge spaced forwardly of said upright apron to provide an opening for the upward flow of air through said opening forwardly of said upper portion of said upright apron, and means at the upper end of said upright apron for projecting a sheet of liquid to said inclined portion for forming on the latter another sheet of water to flow over said inclined portion and across said opening to said upright apron, a second upright apron located spacedly rearwardly of said first mentioned apron and having its lower end spacedly above said receptacle to provide an opening for passage of air therethrough, said liquid sheet projecting means having means for projecting a sheet of liquid rearwardly to the upper portion of said second apron to form a curtain of liquid flowing down over the front face of said second apron and to form a curtain flowing down from the lower end of said second apron into said receptacle.

2,385,078

MANUFACTURE OF CUPROUS OXIDE

William J. Harshaw, and Carl J. Harbert, Shaker Heights, Ohio, assignors to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio

No Drawing. Application October 14, 1944,

Serial No. 558,732

4 Claims. (Cl. 23-147)

4. A process of producing cuprous oxide from cupric oxide which comprises heating a mixture of cupric oxide and a reducing agent of the class consisting of sulfur and copper sulfide and mixtures thereof to a temperature between 650° C. and 1000° C., the proportions being from 10 to 15

parts of reducing agent to 100 parts of CuO by weight in the case of sulfur and from 24 to 30 parts of reducing agent to 100 parts of CuO by weight in the case of CuS, and proportionally in the case of mixtures, and the heating being carried out in a non-oxidizing atmosphere.

2,385,079

USE OF LIME IN HEAVY-MEDIA SEPARATION PROCESS

Norman Hedley and John Joseph Kress, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 17, 1942,

Serial No. 465,910

6 Claims. (Cl. 209-173)

1. A method of beneficiating ores containing carbonates as a major constituent of the ore by the sink and float process, which comprises subjecting fragments of the ore of a size suitable for sink and float separation to the action of a medium comprising an aqueous suspension of finely divided ferrosilicon and having a specific gravity greater than the lighter constituents of the ore, whereby the lighter constituents float and the heavier constituents sink, removing the floating constituents and sinking constituents, removing adherent medium solids therefrom, said process involving extensive exposure to the atmosphere, reusing said medium solids, and maintaining the viscosity of the medium by the addition of a sufficient amount of a compound of an alkaline earth metal included in the group consisting of calcium, strontium and barium, and capable of reacting with gaseous carbon dioxide to maintain at all times alkaline earth metal ions in the medium.

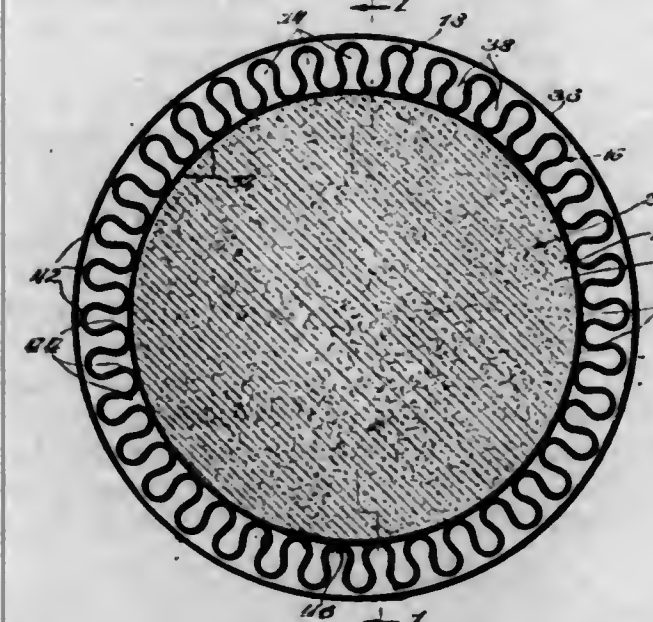
2,385,080

HOLLOW FIN HEAT EXCHANGER

Seymour E. Heymann, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application September 3, 1942, Serial No. 457,140

6 Claims. (Cl. 257-241)



1. A heat exchanger of the class described, comprising a tubular member of uniform cross section throughout its length and having a plurality of hollow fins constructed and arranged to form unobstructed, external passages therebetween said fins being of bulbous cross-section with tip portions wider than the base portions of the fins, said passages being wider adjacent the bases of the fins than adjacent the tips of the fins, means for directing hot gases through and lengthwise of said hollow fins, and means for directing air lengthwise of said passages.

2,385,081

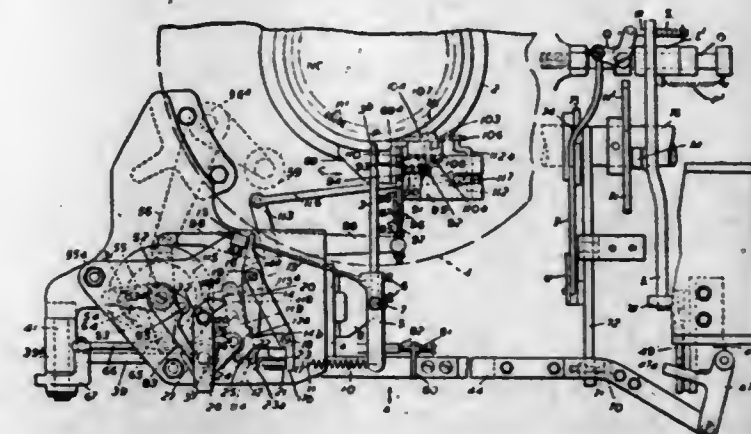
KNITTING MACHINE

Henry Harold Holmes and Albert Henry Widdowson, Leicester, England, assignors to Wildt and Company Limited, Leicester, England, a British company

Application January 3, 1944, Serial No. 516,788

In Great Britain January 4, 1943

14 Claims. (Cl. 66-133)



1. In a knitting machine, in combination, a series of needles, at least one movable yarn guide for a striping yarn, other movable yarn guides for a main yarn and a splicing yarn respectively, and means for automatically operating the said yarn guides interchangeably suchwise that a striping yarn is supplied to a section of the needles while the main yarn and the splicing yarn are substituted for the striping yarn and supplied to the remainder of the needles during at least one course of knitting, periodically, and in the intervals the main yarn only is supplied to the said section of the needles and both the main yarn and the splicing yarn are supplied to the said remainder of the needles.

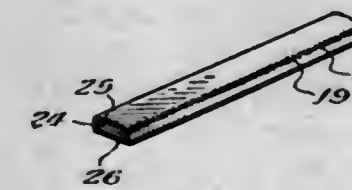
2,385,082

VISIBLE INDEX OR RECORD STRIP

Harry J. Hopkins, Chicago, Ill., assignor to Acme Visible Records, Inc., Chicago, Ill., a corporation of Illinois

Original application October 27, 1941, Serial No. 416,652, now Patent No. 2,327,525, dated August 24, 1943. Divided and this application July 24, 1942, Serial No. 452,245

3 Claims. (Cl. 154-43)



1. Separate flexible index strips of the class described comprising strips of wood of greater width and length than thickness faced with paper, the strip face being in inclined merging relationship at the longitudinal edges thereof with the sides of the strip and being inscribed on said inclined edge portions with a color contrasting with the color of the face of the strip and visible from the face of the strip.

2,385,083

FORMING METHOD

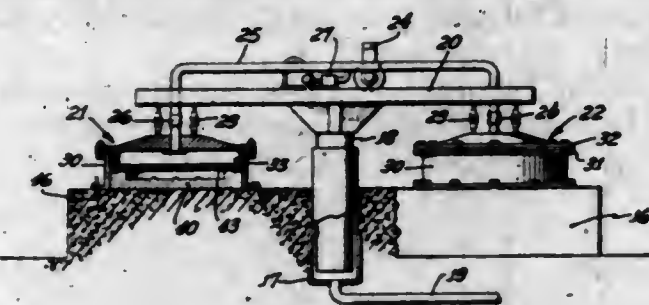
Don Charles Kemmerer, Long Beach, Calif.

Application November 17, 1942, Serial No. 465,844

1 Claim. (Cl. 18-56)

A method of forming material into objects having the configuration of a die, which comprises:

placing the material onto a die, covering the material with an elastic member, and forcing said elastic member against the material in the direc-

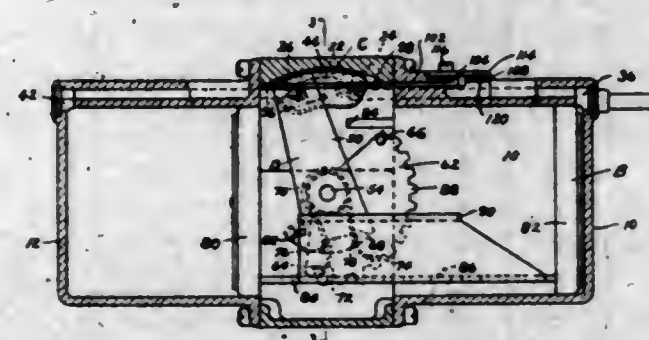


tion of the die by a gradually increasing average fluid pressure, said average fluid pressure including a rapidly pulsating variable pressure component.

2,385,084

WINDSHIELD WIPER MOTOR

Edward Koppelman, North Hollywood, Calif.
Application July 25, 1944, Serial No. 546,515
15 Claims. (Cl. 121-164)

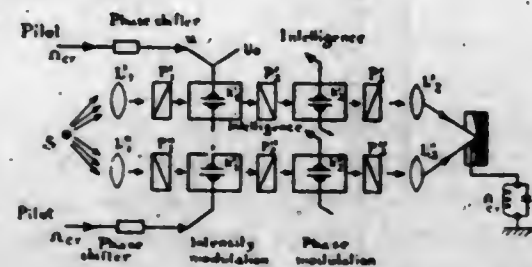


9. In a motor of the character described, a valve seat having a center port and spaced side ports, a valve movable on said valve seat between two operative positions and to a third inoperative position, said valve including flow channels for connecting said center port with one of the side ports in any position of the valve.

2,385,085

METHOD OF PRODUCING FREQUENCY MODULATED WAVES FOR RADIO TRANSMISSION

Edouard Labin, Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 11, 1942, Serial No. 450,596
10 Claims. (Cl. 179-171.5)



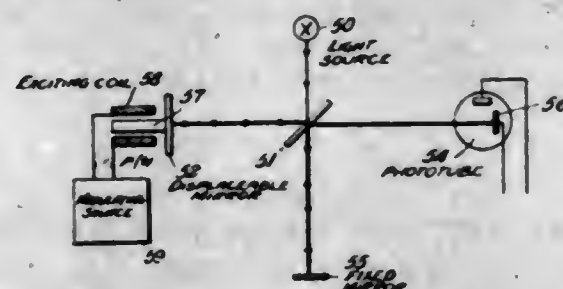
1. A method of generating an electrical quantity varying as a sinusoidal function of the sum of two angles, comprising the steps of generating a wave having a stabilized frequency, generating a varying and oscillating electrical quantity, deriving from said wave two oscillations in phase quadrature, rectilinearly polarizing two light beams, the polarization of one beam being in quadrature with that of the other, phase modulating each polarized beam by subjecting the same to voltage excited double refraction, varying the degree of double refraction in response to a con-

trol quantity having a relationship with said varying and oscillating electrical quantity, rectilinearly polarizing the doubly refracted beams in quadrature with the respective initial polarization whereby the resultant intensity of each beam is caused to vary as a sinusoidal function of an angle depending on said control quantity, adjusting the relationship between said control quantity and said varying and oscillating electrical quantity so that said angle shall be proportional to said varying and oscillating electrical quantity and each beam has impressed on it a phase shift which is a sinusoidal function of said varying and oscillating electrical quantity and the function in one beam is in quadrature with that in the other beam, converting each beam into a corresponding varying electrical quantity, combining the electrical quantity derived from one of the phase modulated beams with one of the oscillations derived from the stabilized wave, combining the electrical quantity derived from the other of the phase modulated beams with the other of the oscillations derived from the stabilized wave, and electrically combining the so-derived combinations.

2,385,086

MODULATION OF ELECTRICAL QUANTITIES

Francisco Julio D'Agostino and Silverio Antonio Valdes, Buenos Aires, Argentina, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 19, 1943, Serial No. 483,646
9 Claims. (Cl. 179-171.5)



1. A method of generating an electrical quantity equal to a sinusoidal function of an angle proportional to a useful electrical magnitude, which comprises the steps of generating two component light beams of constant and equal luminosity, directing the said beams along separate paths, varying the effective length of the optical paths of the beams relative to each other by an amount greater than three-fourths of a wavelength of the light of said beams and proportional to the variations of said useful electrical magnitude, interfering the light energies of said beams to produce combined light energy having a luminosity varying as a sinusoidal function of said phase difference, and transforming said combined light energy into electrical energy to produce an electrical quantity varying as a sinusoidal function of said phase difference angle.

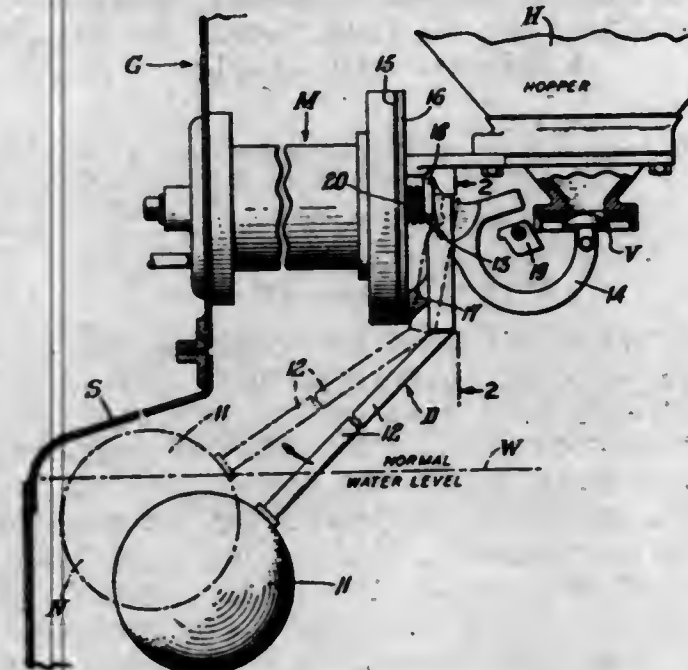
2,385,087

ACETYLENE GENERATOR

Jean La Force, San Mateo, Calif., assignor to Union Carbide and Carbon Corporation, a corporation of New York
Application August 23, 1944, Serial No. 550,822
5 Claims. (Cl. 48-53.3)

1. In an acetylene generator, a carbide feed valve, a pivoted arm connected to said valve, a carbide feed control mechanism so connected to said arm that said arm is free to turn to close said valve, and a float controlled device for turning said arm and closing said valve when the

water in the generator falls to a predetermined low level, said device comprising a lever and a



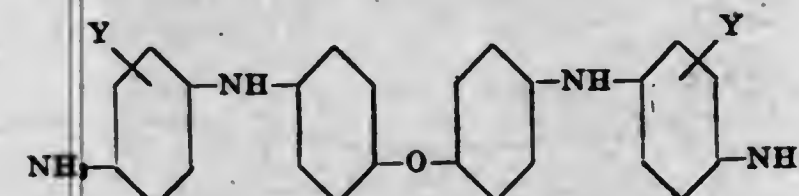
float arranged to operate said arm to close said valve when the float falls to such low water level.

2,385,088

N-SUBSTITUTED DERIVATIVES OF 4,4'-DIAMINODIPHENYL ETHER

Hans Z. Lecher, Plainfield, Robert P. Parker, Somerville, and John J. Denton, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 3, 1944,
Serial No. 543,438
6 Claims. (Cl. 260-571)

1. Compounds having the formula:

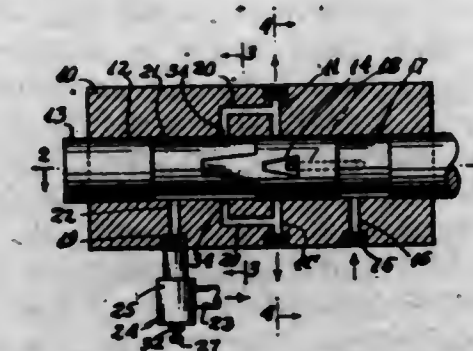


in which Y is a member of the group consisting of hydrogen, sulfonic acid and salts of sulfonic acid.

2,385,089

ROTARY METERING VALVE FOR DIESEL ENGINES

Sanley Lerner, Bronx, N. Y.
Application May 20, 1943, Serial No. 487,823
6 Claims. (Cl. 277-46)



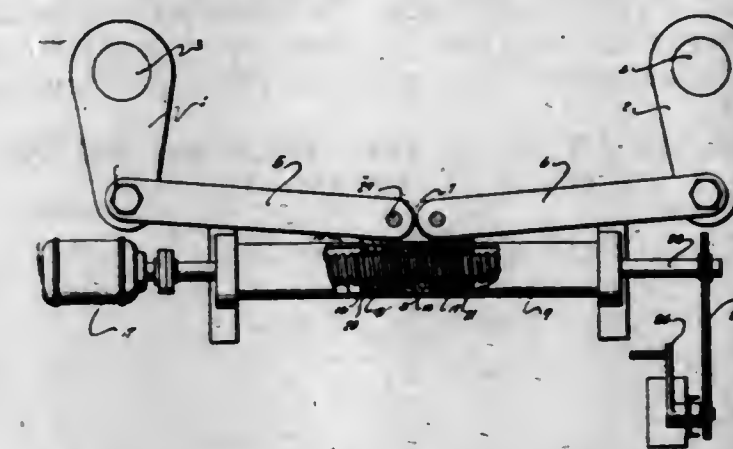
1. A rotary metering valve for Diesel engines comprising a body having one or more radially disposed fuel discharge ports starting from a bore therein for a slidable and rotative cylindrical valve head, a slidable and rotative cylindrical valve head within said body and cutting off said discharge ports, said valve head having a metering groove alignable separately with said one or more fuel discharge ports during its rotation, said metering groove being longer than the

diameter of said discharge ports and having its length extended parallel to the length of said cylindrical valve head, said body having a fuel inlet port, passages connecting said fuel inlet port with said metering groove in all positions of said valve head, said body having a fuel by-pass return port, passages connecting each of said one or more fuel discharge ports with said fuel by-pass return port and including a cut off port for each of said one or more fuel discharge ports, and a land projection on said valve head and of similar shape and approximate size to said metering groove and alignable separately with said cut off ports while said metering groove is aligned separately with the corresponding of said discharge ports, whereby when said valve head is slid relative to said body to align a different area of said metering groove with said discharge ports, said land projection will be similarly moved to align a complementary portion of said land projection with the corresponding of said cut off ports.

2,385,090

STEERING GEAR FOR SHIPS

Robert Lowy, Philadelphia, Pa., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application March 22, 1944, Serial No. 527,527
3 Claims. (Cl. 114-157)



1. An operating mechanism for a pair of ship rudders each having a usual tiller arm comprising, in combination, a rotatable screw and nut threaded thereon adapted to have relative axial movement with respect thereto upon rotation of the screw, a crosshead, a pair of springs respectively interposed between the ends of said nut and the ends of said crosshead to allow axial yielding of the crosshead upon occurrence of abnormal force applied to the crosshead, and substantially oppositely extending links connected at their inner ends to said crosshead and at their outer ends to the tiller arms of said rudders thereby to simultaneously operate the rudders upon rotation of the screw.

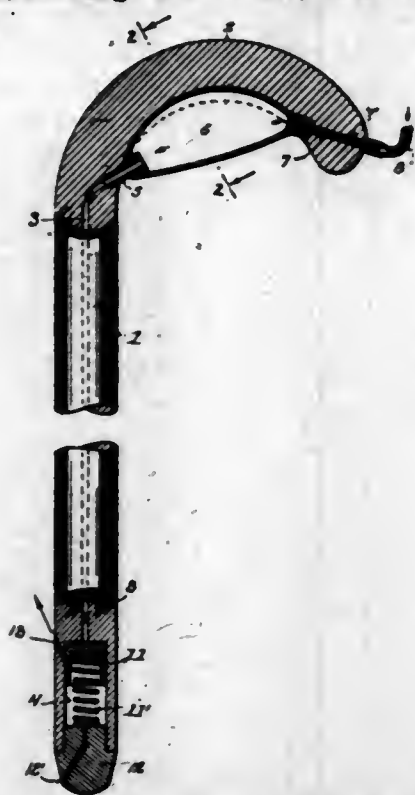
2,385,091

TRICK WALKING CANE

Bernard V. Lukowitz, Milwaukee, Wis.
Application May 17, 1944, Serial No. 535,965
1 Claim. (Cl. 135-47)

A walking cane, comprising a stem terminating with an offset crooked handle, the stem being provided with a channel extending to a point at the base of the handle, and terminating with an open bottom cavity having a side discharge orifice, adjacent the top end of said cavity, a spring controlled valve mounted in the cavity for closing the channel and side discharge orifice, a ferrule for closing the open bottom of the valve cavity, having a bleed therein for drainage and pressure relief, a valve controlled squeeze bulb fitted

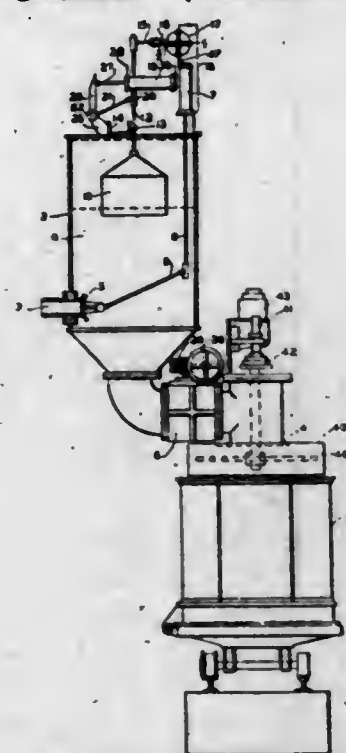
to the bottom surface of the crooked handle, and nipples for securing the bulb, one of which com-



municates with the stem channel, and the other extends through the end of the crooked handle.

2,385,092

MEASURING AND DISCHARGING DEVICE
John D. Lyall, Lancaster Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application April 10, 1943, Serial No. 482,642
8 Claims. (Cl. 222-65)

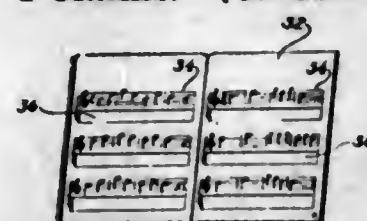


1. A liquid measuring and discharging device comprising a vessel having inlet and discharge conduits to supply liquid to and discharge the same from said vessel, a valve controlling the inlet conduit, a valve controlling the discharge conduit, a fluid actuated device for opening and closing said inlet valve, a float in said vessel responsive to the level of liquid therein, a control valve for said fluid actuated device, means controlled by said float for operating said control valve to close said inlet valve when said vessel is filled to a desired level and to open said inlet valve when the float drops, a second fluid actuated device for holding said float controlled means in locked position when said inlet valve is closed, a third fluid actuated device for opening and closing said discharge valve, and means connecting said second and third fluid actuated devices to automatically unlock said float controlled means and close said discharge valve.

2,385,093

TEACHING DEVICE

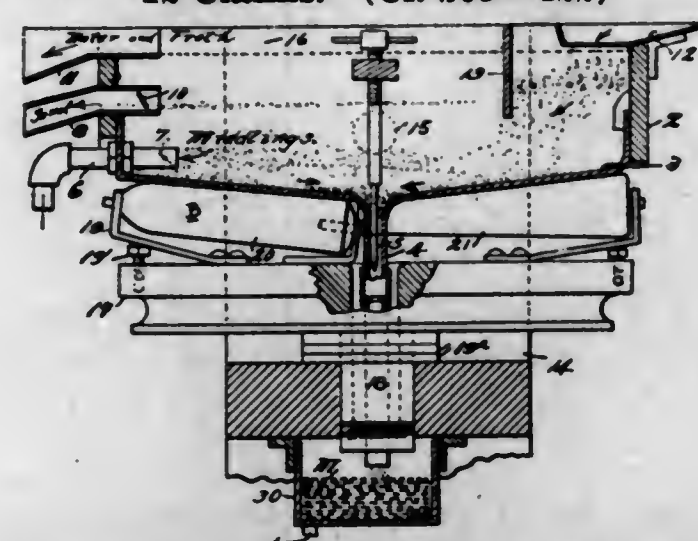
Arthur J. Marsh, Wellesley, Mass.
Application June 20, 1944, Serial No. 541,165
4 Claims. (Cl. 35-1)



1. An instruction book for teaching the art of piano playing, comprising separable sections containing melody and bass parts, respectively, the melody book containing a plurality of pages bearing musical notation in the treble clef and representing a plurality of melodies of substantially similar harmonic basis, said melody book having its pages cut away below the treble staffs to provide openings at locations normally occupied by the bass staffs, the bass book containing a plurality of pages bearing musical notation in the bass clef for accompanying said melodies in the melody book, and means to effect releasable interlocking assembly of the melody book within the bass book between the pages thereof with the bass staffs of the bass book visible through the openings in the melody book to provide juxtaposed bass and melody parts.

2,385,094

CLAY SETTLING, CENTRIPETAL REACTION CONCENTRATOR AND AMALGAMATOR
Frederick E. Maynard, Los Angeles, Calif.
Application November 15, 1943, Serial No. 510,410
12 Claims. (Cl. 209-422)

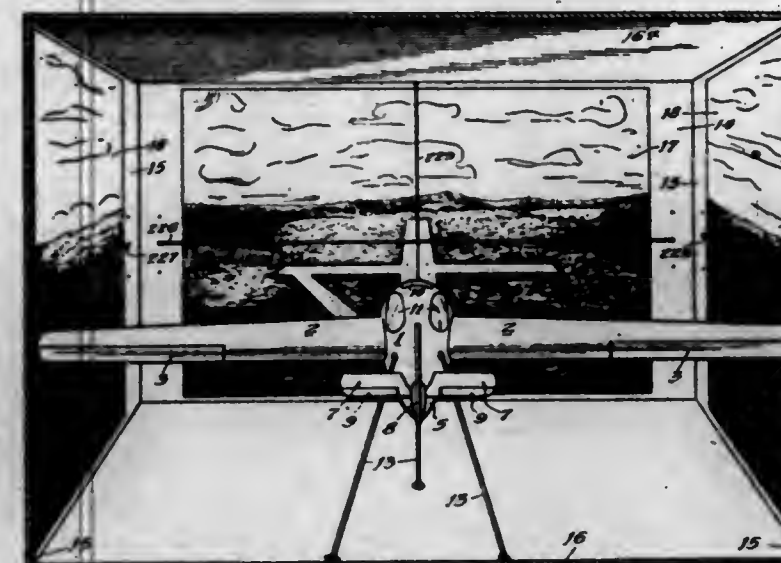


1. Concentrator comprising a pulp receiving pan having stationary, perimetral walls and a flexible sheet secured to the pan walls and forming the pan bottom and being free to flex downwardly toward its central zone and provided at about its lowest part with a concentrate discharge opening, pulp feed means and tail outlet means between which the pulp is confined for flow by the stationary pan structure, and an actuating means located below the pan bottom and having a device bodily movable as to and engaging and supporting portions of the bottom sheet above the general level of the unengaged portions of the sheet, whereby as the said device is bodily motivated by the actuating means the concentrated layer on the sheet will be kneaded; said device supporting the sheet on inclination toward the said discharge means; said device including a system of suitably spaced kneader members movable along the bottom surface of the sheet to continually change the effective supporting positions to facilitate advance of concentrates on the inclined sheet toward said concentrate discharge at the lowest part of the sheet.

2,385,095

AIRPLANE PILOT TRAINER

Cornelius C. McCarthy, Chicago, Ill.
Application April 30, 1943, Serial No. 485,179
3 Claims. (Cl. 35-12)

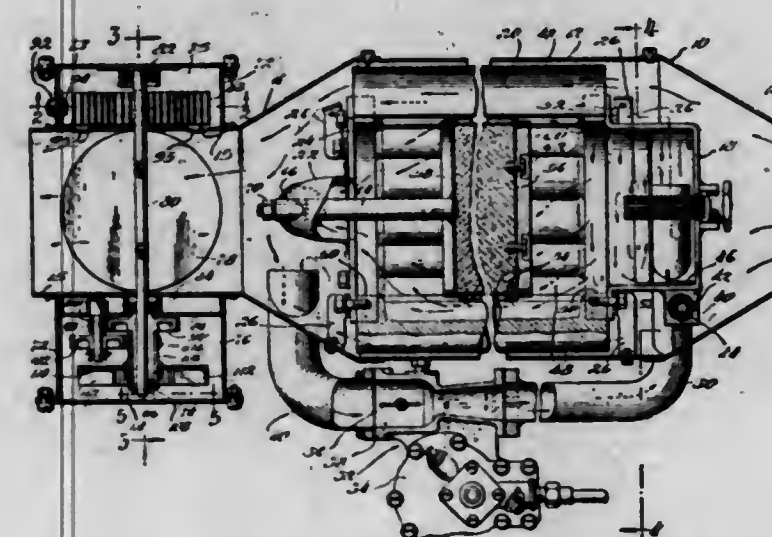


1. In an airplane pilot trainer having mechanism simulating that of an airplane and including simulated airplane controls; a screen located spacedly relative to the mechanism where views projected thereon may be seen by the student while operating the controls, a projector located to project views on said screen, a support for said projector and having pivotal means for tiltably supporting said support and said projector about an axis parallel to said screen, lens units carried by said projector and having means for moving said lens units toward and from each other, means connected to said controls and to said moving means for said lens units for said moving of said lens units, and means connected to said controls and to said pivotal means for said projector for tilting said projector about said axis.

2,385,096

HEATING APPARATUS

Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum executrix of said Henry J. De N. McCollum, deceased
Application June 5, 1943, Serial No. 489,767
3 Claims. (Cl. 236-10)

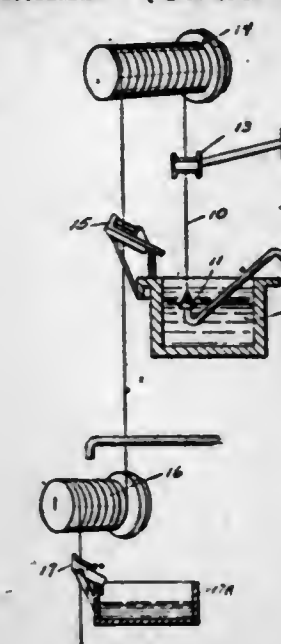


2. In an aircraft internal combustion type heating apparatus having a combustion and ventilating air inlet connected to a ram or scoop and having a ventilating air outlet duct and deriving its air for combustion from said duct, a valve controlling the flow of air through said duct, an element responsive to the temperature of the air flowing through said duct, a direct operating connection between said element and said valve, and a governor operatively connected to said valve to limit the speed of operation thereof by said element.

2,385,097

THREAD GUIDE

Kenneth M. McLellan, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application June 22, 1944, Serial No. 541,653
7 Claims. (Cl. 242-157)

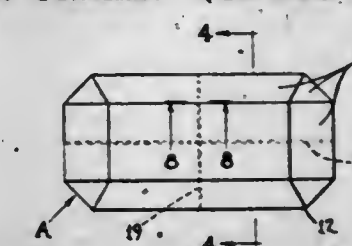


1. A guide for yarn and the like comprising two members crossingly positioned one above the other forming a bifurcation for guiding said yarn, the yarn bearing on each of said members while passing therethrough, and supporting means for said members.

2,385,098

PERFUME DISPENSING CONTAINER

Lillian L. Marohl, St. Paul, Minn.
Application November 18, 1943, Serial No. 510,742
7 Claims. (Cl. 299-20)



1. A pocket dispensing-container for perfume comprising a relatively flat composite structure consisting of two complementary body sections, both of thin and relatively small slab-like formation having inner faces embodying endless mutually conforming marginal face portions, one of said body sections being formed with a perfume receiving cavity therein opening at its inner face within its said marginal face portion, one of said body sections being formed with a plurality of grooves in and traversing its said marginal face portion, the two body sections being united with the marginal face portions thereof sealed together to close the cavity in the body section having said cavity therein and laterally to close the grooves in the body section having said grooves therein, said laterally closed grooves providing ducts leading from said cavity and opening to the exterior of the structure at spaced localities perimetrical about said grooved face, and a plurality of wicks, one in each of said ducts, said wicks being squeezed between the body sections of the structure to compress and tightly fit the same to their respective ducts.

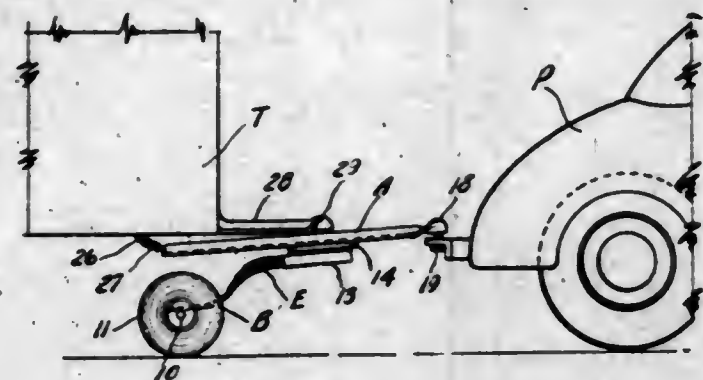
2,385,099

MEANS FOR COUPLING TRAILERS AND BOGIES TO PRIME MOVERS

Arthur E. Nelson, Bay City, Mich.
Application July 25, 1944, Serial No. 546,509
9 Claims. (Cl. 280-33.4)

1. A coupling attachment for connecting a trailer to a prime mover comprising a frame hav-

ing a ball bolt socket on one end thereof for connection to the prime mover, a bogie, a resilient tongue on said bogie, with its outer end revolv-

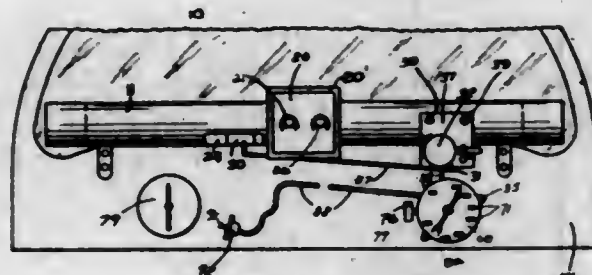


ably connected to said frame, means for universally connecting said trailer to said frame, and means for resiliently connecting the coupling attachment to said trailer.

2,385,100

SPEED COMPUTATOR

John R. Nieman, Peoria, Ill., assignor to Dolores Ellen Nieman, Peoria, Ill.
Application April 10, 1944, Serial No. 530,319
8 Claims. (Cl. 88-2.7)



1. In combination, a screen, a range finder cooperatively associated with said screen set to visibly display a light-ray image of a distant moving object on said screen and a display of said object having different characteristics with respect to an initial display at a different distance with respect to the combination and the first mentioned distance, operator controllable means for changing the setting of said range finder for selectively reversing the characteristics of said display at either of said distances, and a device responsive to a changing of the setting of said range finder for timing a movement of said object across the space between said distances.

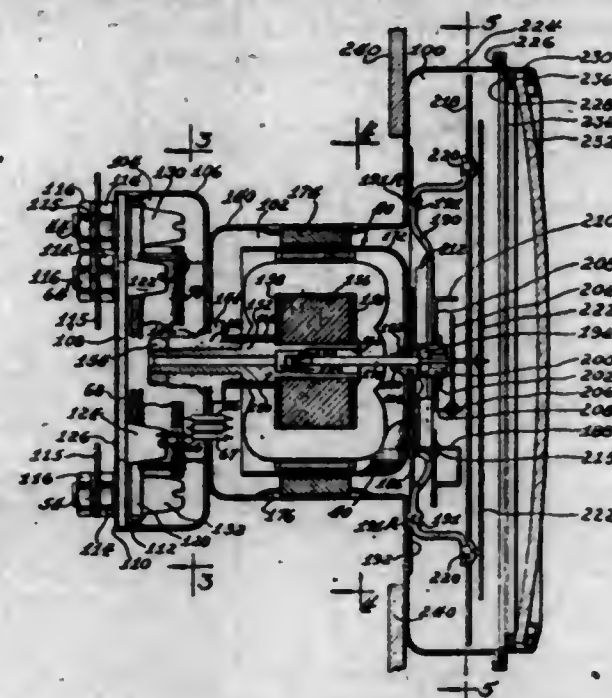
2,385,101

ELECTRIC SPEEDOMETER

Horace M. Norman, Skokie, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Original application December 5, 1938, Serial No. 243,977. Divided and this application April 26, 1943, Serial No. 484,590
12 Claims. (Cl. 172-245)

4. In apparatus of the type described, the combination including, an apertured cup-like housing, a second apertured cup-like housing, said housings being disposed back-to-back with the apertures in alignment, means defining a hollow support passing through the apertures and extending into one of said housings, a support spaced from said hollow support, an indicator shaft rotatably mounted upon said supports, an induction

type rotor mounted upon said shaft, and an armature winding fixedly secured to said hollow support adapted, when energized, to effect rotation of said rotor.

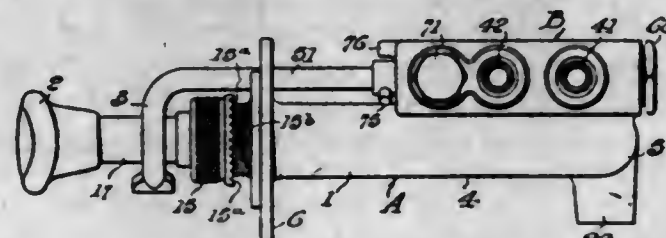


port adapted, when energized, to effect rotation of said rotor.

2,385,102

FLUID DISPENSING DEVICE

Arthur L. Parker, Robert H. Davies, and Joseph F. Melichar, Cleveland, Ohio, assignors to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application November 28, 1942, Serial No. 467,196
15 Claims. (Cl. 103-2)

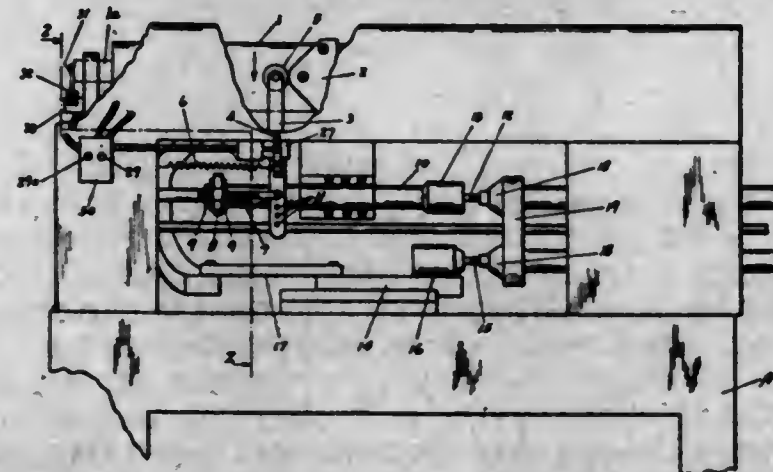


1. In a fluid dispensing device, a pump including a movable pumping element; means providing an outlet for fluid discharged by said pump; an outlet valve for controlling said outlet; settable means for selectively conditioning said outlet valve to permit or to prevent flow of fluid through said outlet; and means effective when said settable means is set to condition said outlet valve to prevent flow of fluid through said outlet for locking said pumping element against pumping operation.

2,385,103

SAFETY STOP MECHANISM FOR MACHINE TOOLS

Clarence E. Rist, Lyndhurst, Ohio
Application March 27, 1944, Serial No. 528,322
15 Claims. (Cl. 10-129)



13. In combination, an automatic machine comprising power means for driving same, an

operating tool comprising a tap automatically movable to and withdrawable from the work in the operation of the machine, an automatically movable work carrier to carry the work into position for operating thereon by said tool, an actuating member for moving said tool, and automatic control means for stopping the operation of the machine when said actuating member fails to move to a position to withdraw the tool from the work during the automatic cycle of operation of the machine, and means for moving the work carrier coacting with and included in said automatic means.

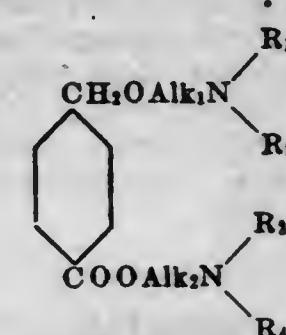
2,385,104

ALKAMINE DERIVATIVES OF ETHERS OF P-HYDROXYMETHYL BENZOIC ACID
Victor S. Salvin, Cumberland, Md., and Arthur J. Hill, New Haven, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application April 16, 1942, Serial No. 439,235

12 Claims. (Cl. 260-472)

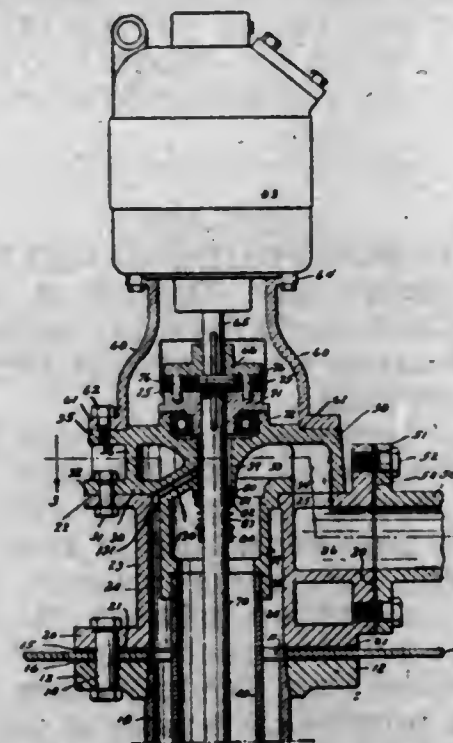
5. A tertiary alkamine ester of a para dialkyl-amino alkoxy methylbenzoic acid having the following formula:



in which Alk₁ and Alk₂ are alkylene radicals and the pairs R₁, R₂, R₃, and R₄ are selected from the group consisting of alkyl radicals and a part of a saturated heterocyclic ring.

2,385,105
PUMP

Bernard Samelson, Salem, Ohio, assignor to The Deming Company, Salem, Ohio, a corporation of Ohio
Application April 12, 1944, Serial No. 530,621
9 Claims. (Cl. 103-102)



1. In a pump, the combination of a hollow base having openings at the bottom and top and having a chamber with a lateral orifice and an admission opening through the top of the base, a

hollow head resting on the base having a downwardly extending tubular portion within the base and a chamber within the head communicating with the tubular portion and with the upward opening in the base, a supply pipe attached to the tubular portion of the head, and means for pumping liquid upwardly through the supply pipe into the head and thence downwardly into the base and outwardly to the discharge conduit.

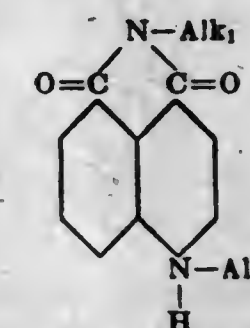
2,385,106

LONG CHAIN ALKYL SUBSTITUTED 4-AMINO-1,8-NAPHTHALIC ACID IMIDES
Mario Scalera, Somerville, and Asa Willard Joyce, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application September 5, 1942, Serial No. 457,517

5 Claims. (Cl. 260-281)

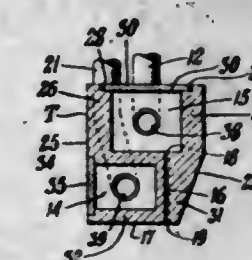
1. New compounds of the formula:



in which one of the groups, Alk and Alk₁, is an aliphatic hydrocarbon radical having at least 12 carbon atoms and the other is an alkyl radical having less than 6 carbon atoms.

2,385,107
BLOWPIPE

Egon B. Scherl, Niagara Falls, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Application September 9, 1941, Serial No. 410,147
17 Claims. (Cl. 158-27.4)

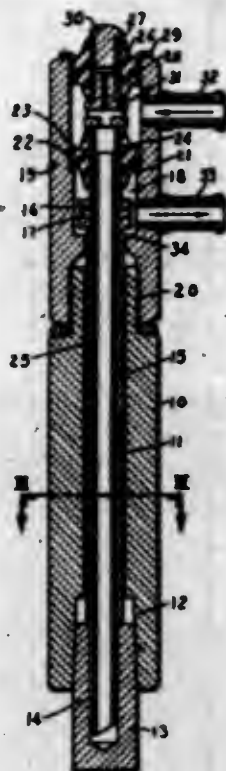


1. A blowpipe tip comprising an extruded orifice bar of substantially constant cross-section from end to end having formed thereon a bottom face, said bar having formed therein a longitudinal coolant channel having a wall comprising a side wall of the bar adjacent said bottom face, a longitudinal gas channel also formed in said bar, and a plurality of efferent gas passages in said side wall, said channels being disposed in substantially close relation with each other, said coolant channel being arranged between the bottom face of the bar and said gas channel and slightly offset laterally with respect to the gas channel to locate the coolant side wall directly beneath the bottom of the gas channel; and said efferent gas passages being disposed between said coolant channel and one side of the bar with their inlet ends opening directly into said gas channel, said coolant channel being thereby in substantially tandem relationship with respect to the gas channel and the overall width of the bar being less than twice the width of either one of the channels.

2,385,108

WELDING ELECTRODE HOLDER

Melvin M. Seeloff, Warren, Ohio, assignor to The Taylor-Winfield Corporation, Warren, Ohio, a corporation of Ohio
Application April 13, 1944, Serial No. 530,908
14 Claims. (Cl. 219-4)

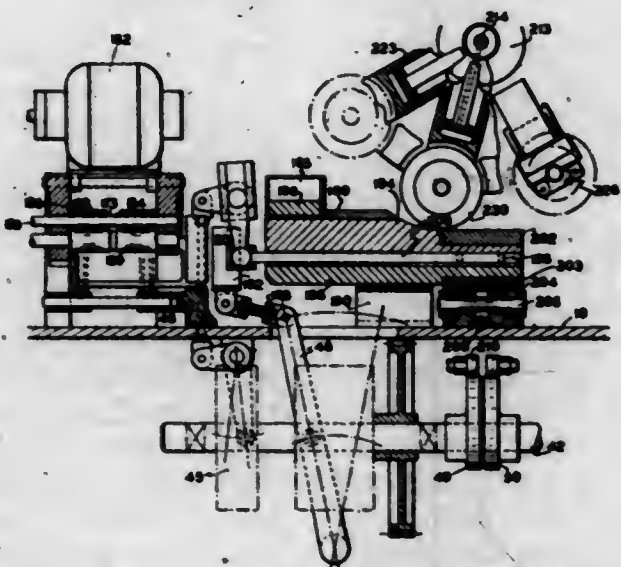


12. A welding electrode holder comprising a tubular member having means at one end to retain a welding electrode, a pair of spaced bushings in said member adjacent the other end thereof and having fluid-tight interconnections with the side wall of said member, a tube anchored in the innermost of said bushings and extending longitudinally in said member to adjacent said electrode, means sealing the outermost of said bushings to prevent the leakage of coolant fluid therethrough, and fluid ports in the side wall of said member on opposite sides of the innermost of said bushings.

2,385,109

WELDING APPARATUS

Clifford S. Seltzer and Stanley M. Humphrey, Warren, Ohio, assignors to The Taylor-Winfield Corporation, Warren, Ohio, a corporation of Ohio
Application October 11, 1941, Serial No. 414,624
19 Claims. (Cl. 219-6)



1. Welding apparatus comprising in combination a normally fixed electrically conductive horn adapted to support a pre-formed blank to be welded and to constitute one of the welding electrodes, a rotatable carrier mounted for rotation about an axis extending at right angles to but spaced substantially outward from the prin-

cipal axis of the horn, said carrier supporting a plurality of welding wheel electrodes circumferentially disposed about the axis of rotation of said carrier with each of said wheel electrodes adapted to traverse a portion of the blank on said horn, and means to conduct welding current to said welding wheel electrodes.

2,385,110

TREATMENT OF TEXTILE MATERIALS

George W. Seymour and Dustin Y. Miller, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application July 15, 1942, Serial No. 451,012
6 Claims. (Cl. 260-32)

3. An aqueous composition for use in sizing yarns of regenerated cellulose prepared by the saponification of stretched yarns having a basis of an organic ester of cellulose, said composition comprising 0.2 to 5.0% by weight of polymerized ethylene oxide, from 0.1 to 1.0% by weight of a wetting or penetrating agent, and from 1 to 10% by weight of a substance selected from the group consisting of (1) polymerized methacrylic acid, (2) salts of polymerized methacrylic acid, (3) interpolymers of methacrylic acid with an acrylic acid selected from the group consisting of acrylic acid and polyacrylic acids and (4) interpolymers of methacrylic acid with at most 10% of a compound selected from the group consisting of styrene, vinyl acetate and methyl methacrylate, the remainder of said composition being water.

2,385,111

PROCESS FOR THE PRODUCTION OF NITROETHYLENE

Arthur Ernest Wilder Smith, Robert Holroyd Stanley, and Charles William Scaife, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application June 29, 1943, Serial No. 492,781. In Great Britain February 2, 1942

6 Claims. (Cl. 260-644)

1. A process for the preparation of nitroethylene which comprises reacting with an alcohol, a substance from the group 1:2-dinitroethane, β -nitroethyl nitrate, rapidly distilling off the nitroethylene in the vapour of the alcohol, and rapidly cooling the vapours in order to impede reaction of the nitroethylene with the alcohol.

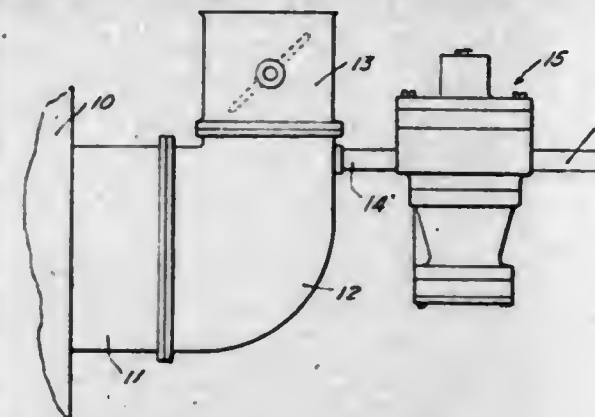
2,385,112

CHARGE FORMING DEVICE

Harold W. Smith and Donald D. Paxton, Los Angeles, Calif., assignors to American Liquid Gas Corporation, Los Angeles, Calif., a corporation of California
Application August 23, 1943, Serial No. 499,680
9 Claims. (Cl. 123-119)

1. A fuel control unit, comprising a housing, an induction pipe connected at one side thereof through which fuel under pressure is delivered, an eduction connection between the housing and the engine, a priming fuel path of travel within the fuel housing from the induction to the eduction pipes, a normal feed path of travel through the housing from the induction to the eduction pipes, a pressure regulating valve disposed in the priming path of fuel travel, a feed valve initially closed and disposed in the normal feed path of fuel travel, fluid responsive means responsive to

increased engine suction tending to close the pressure regulating valve, and fluid responsive



means responsive to increased engine suction tending to open the feed valve.

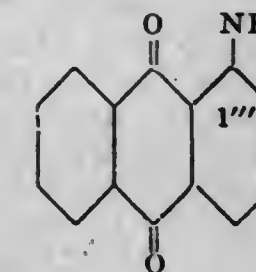
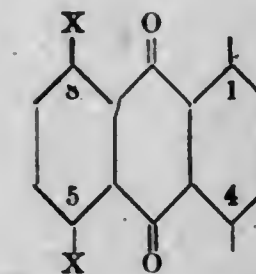
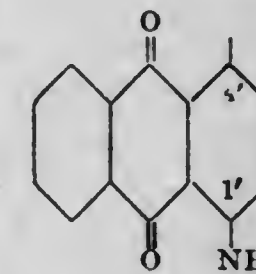
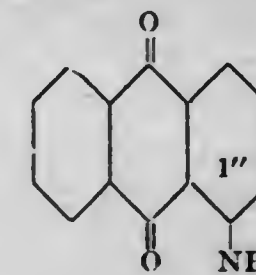
2,385,113

VAT DYESTUFFS OF THE ANTHRIMIDE CARBAZOLE TYPE

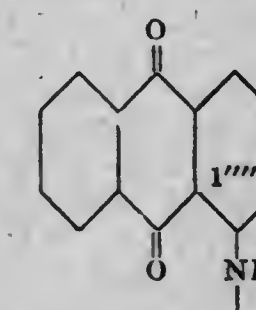
Glen M. Smyth, Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 16, 1943, Serial No. 506,571

4 Claims. (Cl. 260-316)

1. Vat dyestuffs being the carbazoles obtained by ring closure with aluminum chloride of pentanthrimides having the formula:



where one X stands for the group



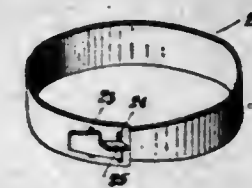
and the other X stands for hydrogen.

578 O. G.—26

2,385,114

BOTTLE CLOSURE

Nat P. Steckler, New York, N. Y.
Application April 7, 1943, Serial No. 482,090
1 Claim. (Cl. 215-38)

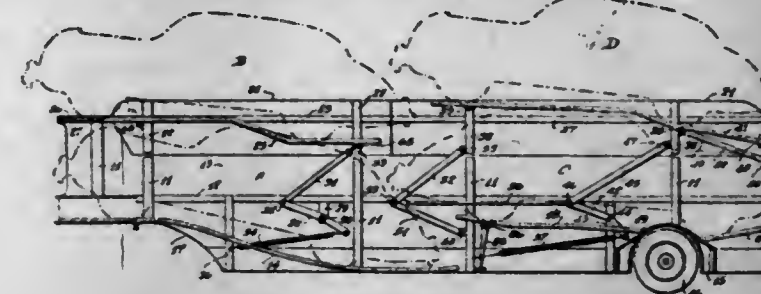


In a double closure for bottles having necks of varying dimensions, an inner closure sheet adapted to cover the bottle's mouth, and an outer closure strip guided about the bottle and said closure sheet, said closure strip having a plurality of slots at one end and a plurality of slits in its other end to form a closure tongue adapted to be bent out of the plane of the strip to form an abutment preventing the accidental displacement of the tongue of said strip after its passage through any of the slots in said closure strip.

2,385,115

HAULWAY TRAILER CONSTRUCTION

Clarence C. Stuart, Pontiac, Mich., assignor to Mechanical Handling Systems, Inc., Detroit, Mich., a corporation of Michigan
Application November 27, 1940, Serial No. 367,317
9 Claims. (Cl. 296-1)



1. A conveyance for the transporting of vehicles having upper and lower decks upon which said vehicles are supported, characterized by means whereby a plurality of vehicles may be simultaneously carried upon each of said upper and lower decks within a length less than the combined overall length of said vehicles carried, said means comprising a plurality of movable upper vehicle-carrying sections, each of said sections being adapted to support one vehicle, a plurality of lower vehicle-carrying sections, the forward portion of the rearward upper and lower vehicle-carrying sections being located at a greater height than the rearward portion of such sections when the vehicles carried by said conveyance are in loaded position whereby each vehicle may overlap the adjacent vehicle on the same deck.

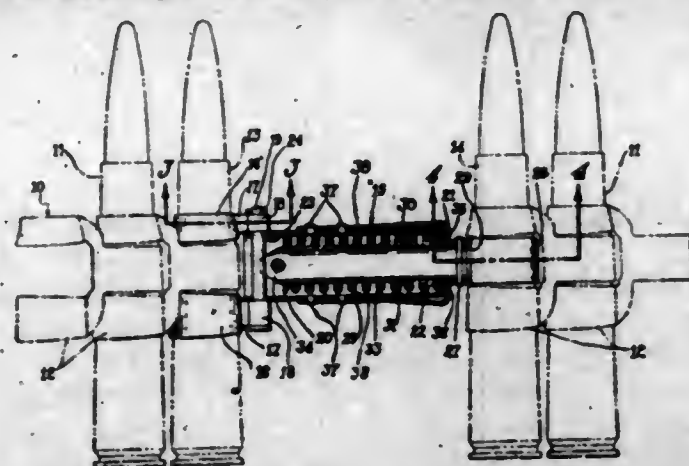
2,385,116

AMMUNITION BELT TENSION METER

Clem G. Trimbach, Eggertsville, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application July 26, 1943, Serial No. 496,229
5 Claims. (Cl. 73-167)

1. In a tension meter for measuring the pulling forces acting upon an ammunition belt of link construction and wherein the shells carried by the belt are utilized to connect adjacent links, a pair of cooperating parts which are utilized as a belt insert and which are movable with respect to one another in response to said forces, yieldable means which resists relative movement between said parts, link elements carried by said parts, said link elements being adapted to cooper-

ate with the links of said belt so that said shells may also be utilized to detachably connect said parts to spaced-apart portions of said belt, whereby the pulling forces developed by the firing of said shells will extend said parts against the action of said yieldable means, means associated

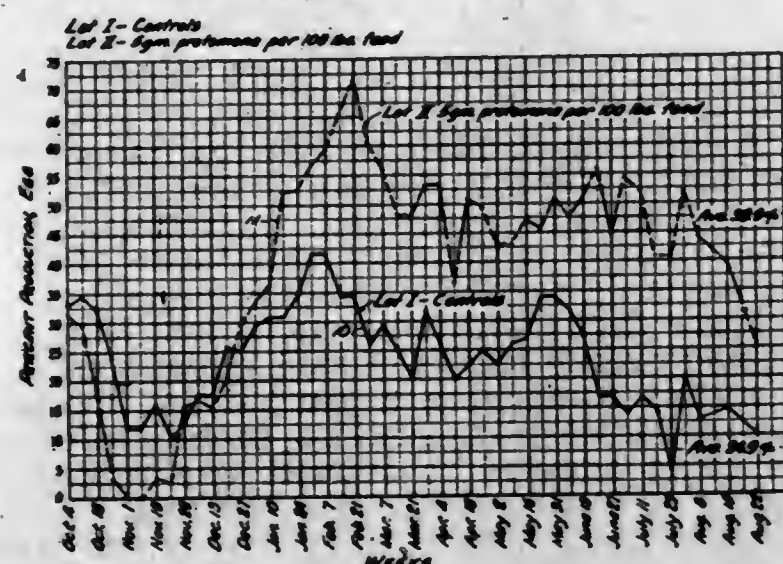


with said parts and responsive to relative movement between them for indicating the magnitude of said forces, and means for releasably holding said parts in the positions to which they are extended so that the indicated magnitudes of said forces may be observed.

2,385,117

METHOD OF INCREASING THE EGG PRODUCTION OF FOWLS

Charles W. Turner and Ezra P. Reineke, Columbia, Mo., assignors to American Dairies Incorporated, Kansas City, Mo., a corporation of Maryland, and The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey
Application September 11, 1943, Serial No. 501,988
6 Claims. (Cl. 99-4)



1. A method of increasing and sustaining egg production of fowls comprising feeding iodinated protein having 3 per cent the potency of synthetic thyroxine in an amount between .01 per cent and .04 per cent of the food consumed by the fowl.

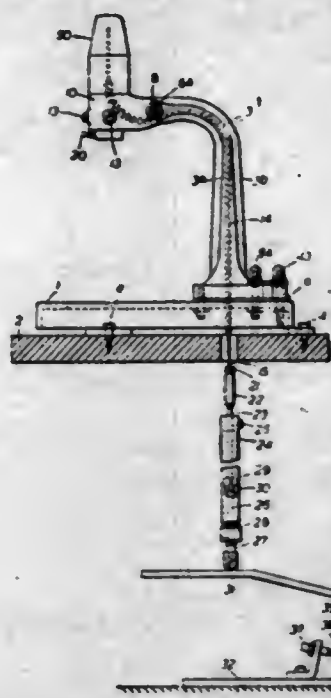
2,385,118

ELECTRIC SOLDERING APPARATUS

George Louie Ward, Northwood, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application June 10, 1943, Serial No. 490,247
In Great Britain June 19, 1942
4 Claims. (Cl. 219-12)

1. An electric soldering apparatus comprising means for holding a work piece, means for receiving at least one electric heating element, means for moving the receiving means with respect to the holding means to approach and separate said heating element and said work piece, a structure supporting the receiving means, means for supplying electric current to said heat-

ing element in two insulated electric paths forming part of said structure, means for supplying current to a third electric path including the

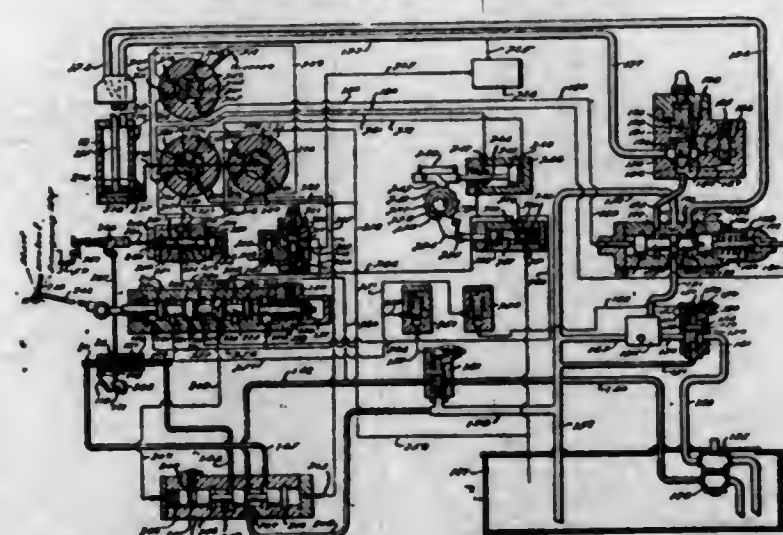


holding means so as to connect selectively either said two electric paths through said work piece, or one of said two electric paths through said work piece with the third electric path.

2,385,119

BROACHING MACHINE

Benedict Welte, Lake Orion Township, Oakland County, Mich., assignor to Colonial Broach Company, Detroit, Mich., a corporation of Delaware
Application June 21, 1943, Serial No. 491,573
14 Claims. (Cl. 90-33)



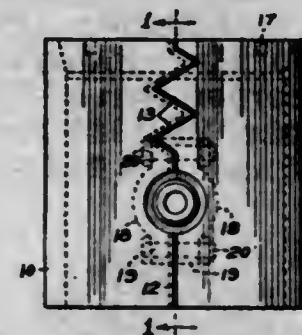
1. In an automatic multiple stroke hydraulic broaching machine, a broaching ram, a reciprocating work fixture, hydraulic means for automatically operating the ram and fixture through a plurality of broaching cycles each including in succession an advance of the fixture to broaching position, a broaching stroke of the ram, withdrawal of the fixture from broaching position and return of the ram, means for causing the fixture to advance to a greater extent toward the broach on each of said plurality of cycles, said hydraulic means including control valve means adapted when shifted in one direction to bring the ram to a stop when it is moving in its broaching direction and to institute withdrawal of the fixture, a movable element for shifting said valve means in said direction, a cooperating element carried by the broaching ram and normally adapted to engage said first element during movement of the ram in broaching direction and thereby shift said valve means in said direction before the finishing teeth of the broach have engaged the work, means on said fixture for engaging one of said elements and shifting it in a direction to prevent engage-

ment with the other element when the fixture has moved a predetermined distance toward the broach, and means operable to engage said movable element and thereby shift the valve means in said direction when the finishing teeth of the broach have passed over the work.

2,385,120

ADJUSTABLE PISTON FOR GAS ENGINES

Ralph F. White, San Bernardino, Calif.
Application December 2, 1943, Serial No. 512,623
3 Claims. (Cl. 309-12)

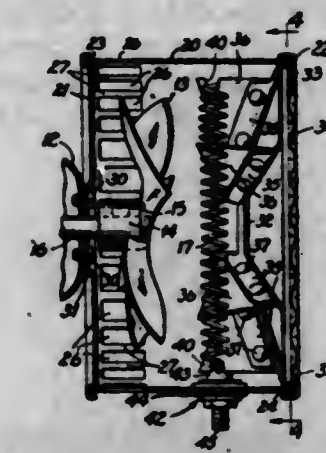


3. A piston of the kind described, comprising a cylindrical sectional body forming a skirt, rabbeted and saw tooth-like interfitted edge portions on the sections meeting each other, a head removably and adjustably fitting one end of the body when the sections thereof are assembled together, a wrist pin fitted within the body, means adjustably and detachably connecting the sections of the body together, and bushings associated with the wrist pin and sections of the body, and adjustably and removably connected to the latter.

2,385,121

ELECTRIC HEATER

Edmond Bryan Williams, Litchfield, Conn., assignor to The Torrington Manufacturing Co., Torrington, Conn., a corporation of Connecticut
Application April 9, 1943, Serial No. 482,473
7 Claims. (Cl. 219-39)

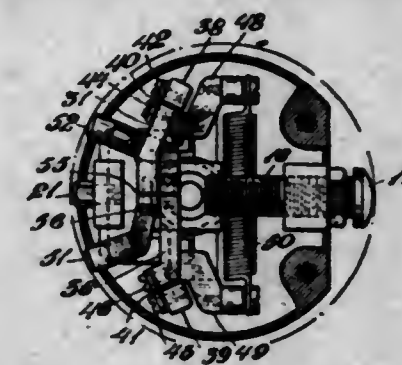


1. In a portable electric heating device, a motor, a fan driven thereby, a resistance element in the fan stream, a tubular housing of sheet material about the fan and resistance element, the fan being located in one end portion of the housing and the resistance element nearer the opposite end thereof, the housing being provided with a peripheral row of closely spaced, axially elongate, primary air inlet apertures arranged in a band near the inlet end of the housing and in a zone about the fan, the remainder of the housing body beyond said row of apertures, being impermeable, except for end openings to permit the passage of air therethrough, and an end plate secured to the discharge end of the housing body and provided with a plurality of spoke-like, inwardly projecting flanges, the resistance element being carried by and in insulated relation to said flanges.

2,385,122

BORE GAUGE

John H. Worthen, Providence, R. I., assignor to Federal Products Corporation, a corporation of Rhode Island
Application September 2, 1943, Serial No. 501,014
9 Claims. (Cl. 33-178)

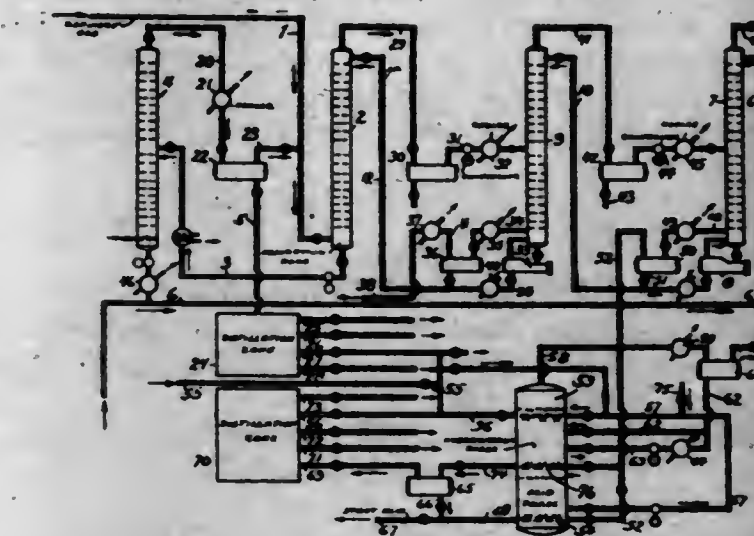


1. In a gauge the combination of a head, two measuring studs in said head for engagement with the walls of an object to be measured, one of said studs being movable in a plane toward and from the other stud, means including a pointer actuated by said movable stud, two locating studs in said head on either side of and equidistant from the measuring studs, means for mounting said locating studs to swing about spaced axes each at right angles to a plane common to the measuring and locating studs.

2,385,123

ALKYLATION OF ETHYLENE

George T. Atkins, Jr., Highlands, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 1, 1941, Serial No. 404,981
10 Claims. (Cl. 260-683.4)



6. A process for reacting ethylene with a saturated tertiary hydrocarbon which comprises contacting the ethylene in admixture with another olefin having at least 4 carbon atoms in its molecule, the mole ratio of the ethylene to said other olefin in the mixture being at least 1:1 and not substantially greater than 25:1, with said tertiary hydrocarbon in the presence of a mineral acid of alkylating strength under alkylating conditions.

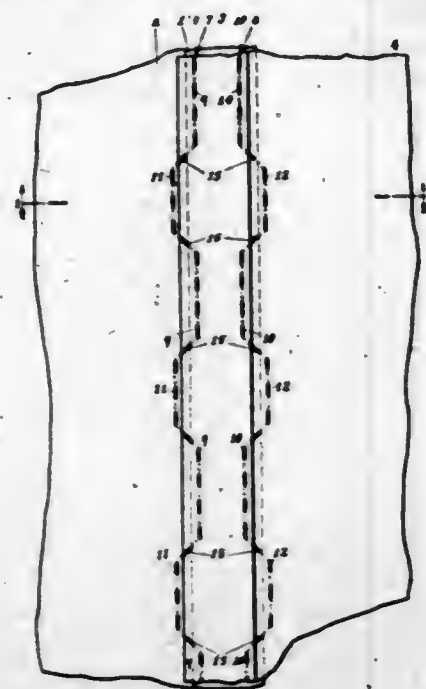
2,385,124

SEAM SYSTEM FOR VENTILATING GARMENTS

Anthony Barone, New York, N. Y.
Application May 10, 1944, Serial No. 534,887
3 Claims. (Cl. 2-275)

1. A seam system for ventilating garments between adjoining garment sections; the garment sections being joined together by a seam consisting of a continuous undulating line of stitches adapted to connect alternately the edge por-

tions of said garment sections to each other and leaving said garment sections partially disconnected from each other thus permitting circula-



tion of air through the interruptions of the connection of said garment sections, all substantially as set forth.

2,385,125

NITROCELLULOSE LACQUER COMPOSITIONS

Gerald R. Barrett, Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application December 31, 1942,

Serial No. 470,907

9 Claims. (Cl. 106-181)

1. A substantially non-gelling nitrocellulose lacquer containing from 0.01 to 5% by weight of malonic acid based on the total weight of the lacquer prior to the addition of said acid, said lacquer having a tendency to gel in the absence of said acid.

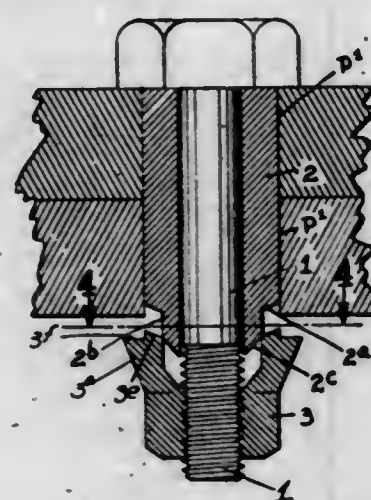
2,385,126

BLIND FASTENING BOLT AND NUT

Dudley C. Benton, San Diego, Calif., assignor, and by decree of court of one-half to Marie E. Warren, San Diego, Calif.

Application May 30, 1944, Serial No. 538,045

7 Claims. (Cl. 85-2.4)



7. In a device of the class described, the combination with a bolt, of a sleeve mounted on said bolt with one end arranged to engage the bolt head and its other end provided with a reduced diameter portion with a bevelled end, a nut arranged to thread on said bolt and provided with a slotted apron forming a plurality of skirt portions with bevelled ends adapted to engage the bevelled end of said reduced diameter portion of

said sleeve, each of said skirt portions provided with an offset portion forming a shoulder intermediate the outer and inner side of the end of said skirt portion, said nut provided with an annular closing groove intermediate its ends in its outer surface in opposed relation with the outer end of the threads in said nut and forming a weakened portion between the nut and the skirt portion, said skirt portions of said nut provided with angular V-shaped undercut portions at their inner sides.

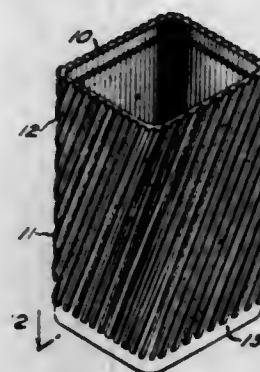
2,385,127

BATTERY JAR

Frank S. Carlile, Abington, Pa., assignor to Carlile & Doughty, Incorporated, Conshohocken, Pa., a corporation of Pennsylvania

Application October 21, 1944, Serial No. 559,748

8 Claims. (Cl. 136-166)



1. As a new article of manufacture a battery jar having exterior parallel ribs arranged at an angle to the vertical to form a plurality of independent channels to circulate air, said ribs terminating at one end substantially in the plane of the top of said jar, and spaced at the other end from the bottom of said jar to leave an unribbed space communicating with said channels.

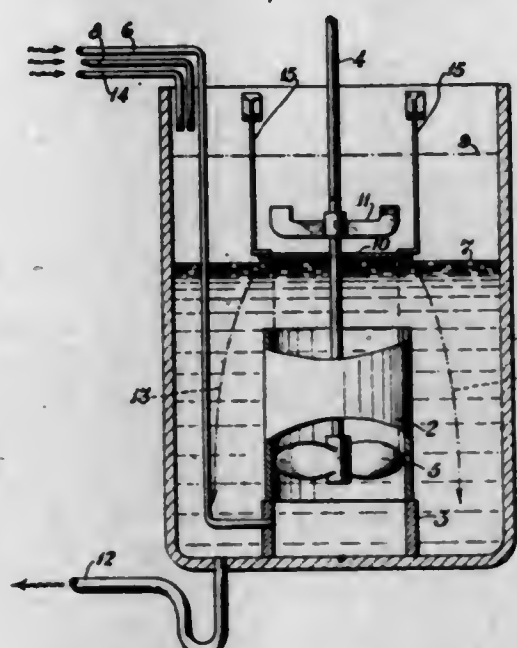
2,385,128

NITRATION PROCESS

James B. Castner, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application June 10, 1943, Serial No. 490,285

9 Claims. (Cl. 260-645)



1. The method of preparing nitrated organic compounds which comprises maintaining in separate layers, but in contact with one another, a nitrating acid and an organic material in liquid state capable of nitration, providing agitation separately for the two layers, and effecting nitration substantially completely at the contact area of said two layers.

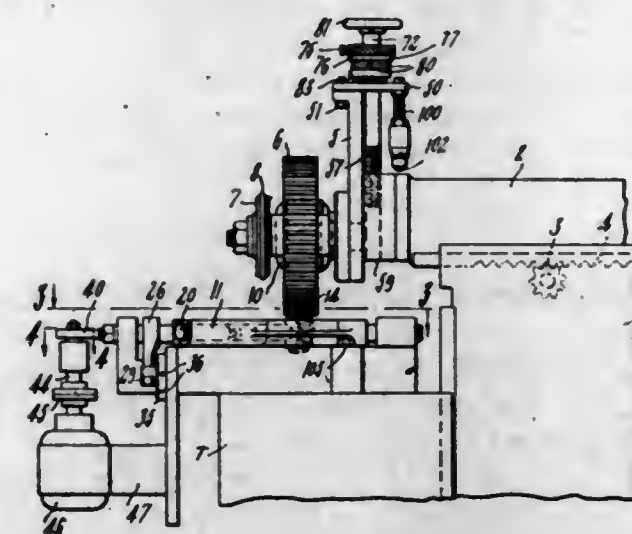
2,385,129

GEAR LAPPING MACHINE

Francis W. Davis, Belmont, Mass.

Application September 25, 1943, Serial No. 503,776

10 Claims. (Cl. 51-45)



1. A gear lapping machine, comprising a fixture for supporting the gear to be lapped for rotation about its axis, means for supporting a gear lap of greater axial length than said gear in meshing relation to said gear, means for reciprocating said lap axially with a stroke of predetermined length and rate, said length being sufficient to contact substantially the whole length of said lap with said gear, means for reciprocating said gear with a different amplitude and rate while in contact with said lap, means for rotating said lap to thereby rotate said gear, said lap supporting means permitting said lap to move toward and from the axis of said gear, means for adjusting the pressure with which such lap may be so moved, and means for adjustably limiting the minimum distance between said lap and said gear axis.

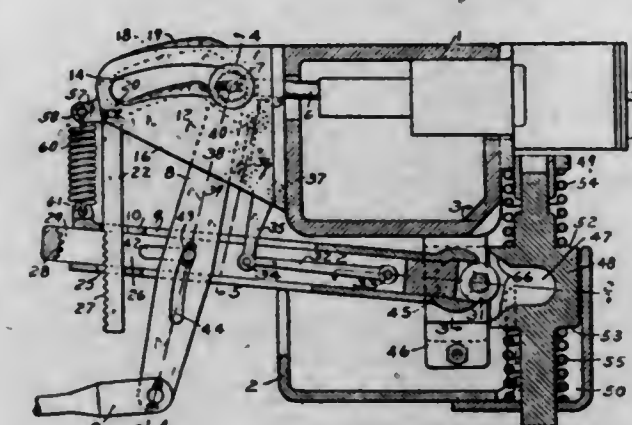
2,385,130

VARIABLE LOAD BRAKE

Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application July 17, 1943, Serial No. 495,158

19 Claims. (Cl. 188-195)



1. In a vehicle variable load brake apparatus for a vehicle, in combination, a brake lever, a brake cylinder for actuating said lever, an adjustable fulcrum for said lever, said fulcrum having a normal position providing for empty vehicle braking and being movable therefrom to various other positions through a loaded vehicle zone for providing loaded vehicle braking, means for positioning said fulcrum in said loaded vehicle zone in accordance with the weight of the lading carried by the vehicle, and means operative only upon operation of said brake cylinder to actuate said lever for operating the first mentioned means.

2,385,131

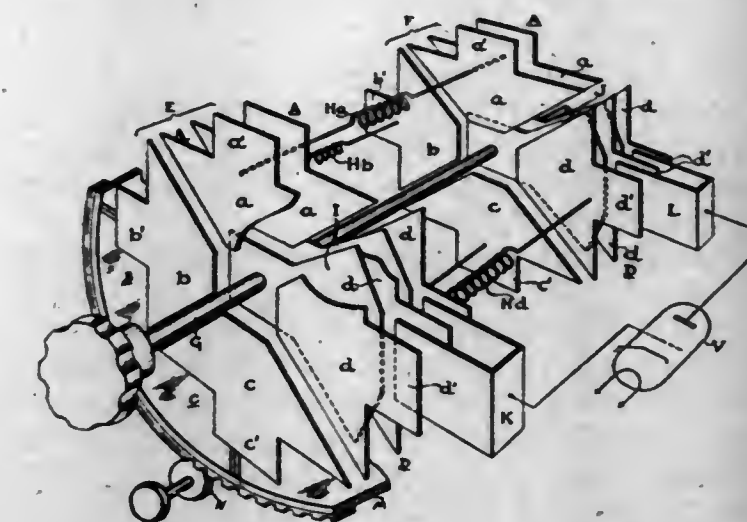
TUNING DEVICE FOR RADIO CIRCUITS

Ernest Garthwaite, Saint Albans, England, assignor to Radio Corporation of America, a corporation of Delaware

Application May 25, 1944, Serial No. 537,213

In Great Britain January 7, 1943

5 Claims. (Cl. 250-40)



1. A tuning and range changing device for tuned radio circuits comprising a shaft, a plurality of sets of condenser stator vanes arranged radially about said shaft, a plurality of inductances each of which is mechanically supported by and electrically connected to a respective one of said sets of stator vanes, a set of condenser rotor vanes mounted on said shaft, a set of further condenser vanes, and means for producing movement of said stator vanes relatively to said set of further vanes for associating any one of said sets of stator vanes with said set of further vanes, and for variably associating the set of rotor vanes with said associated set of stator vanes.

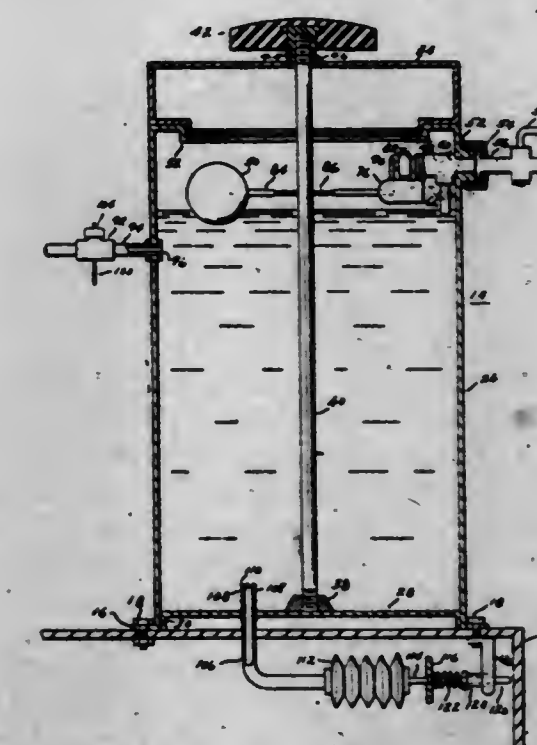
2,385,132

PROCESS AND APPARATUS FOR MAKING INFUSIONS

Maurice H. Graham, St. Louis Park, Minn.

Application February 7, 1941, Serial No. 377,895

17 Claims. (Cl. 99-71)



1. An apparatus for making coffee infusions comprising a support, a coffee holder mounted on said support, an infusion pot secured to said support by manually operable latching means, a source of superheated water, a passageway for conducting the superheated water into heat trans-

ferring relationship with the infusion liquid in the infusion pot and a valve in said passageway operable to open position by movement of said latching means into position to hold the infusion pot, a timing mechanism, means operable to initiate operation of the timing mechanism upon the opening of the valve and means actuated by the timing mechanism for closing said valve after a predetermined time.

2,385,133

PRODUCTION OF MOTOR FUEL

Gilmore T. Gwin, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 18, 1942,

Serial No. 469,453

3 Claims. (Cl. 260—683.4)

1. A process for alkylating isoparaffins with olefins in the presence of a suitable catalyst which includes the step of charging an isoparaffinic feed comprising two isoparaffins having a different number of carbon atoms in their molecules in which neither isoparaffin constitutes less than 30 mole per cent of the total isoparaffinic feed.

2,385,134

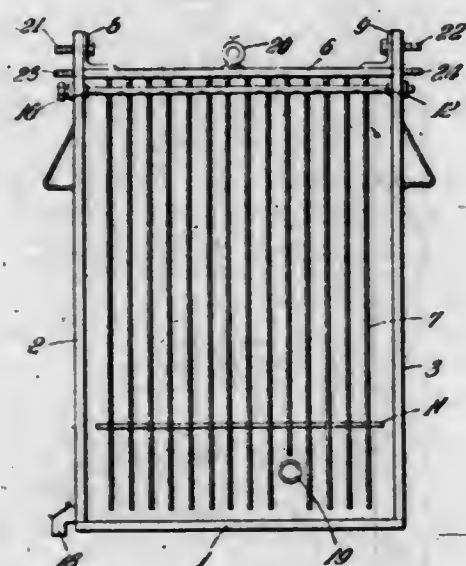
APPARATUS FOR COOLING SOAP AND SIMILAR SOLIDIFIABLE MATERIALS

Daniel Alphonsus Hackett, Wanstead, England, assignor to Lever Brothers & Unilever Limited, Port Sunlight, England, a company of Great Britain

Application December 31, 1942, Serial No. 470,894

In Great Britain December 31, 1941

6 Claims. (Cl. 257—256)



1. A cooling cell comprising two side frame members connected by a bottom frame member, and two substantially rectangular side plates secured to said frame members to form a narrow rectangular chamber open at the top, in combination with a removable stiffening grid insert for said chamber comprising a top frame member having a plurality of substantially vertical bars depending therefrom and a transverse bar near the lower portion of said vertical bars for holding said vertical bars in position, the edges of said bars vertically slidably engaging the inner surfaces of said side plates when said stiffening grid is inserted into said chamber, and the ends of said top frame member being securable to the tops of said side frame members and the upper margins of said side plates being securable to the sides of said top frame member after said grid is inserted to close the top of said chamber and complete the cooling cell.

2,385,135

PROPELLANT SMOKELESS POWDER

Harrison H. Holmes, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 27, 1943,

Serial No. 500,237

9 Claims. (Cl. 52—7)

1. A propellant smokeless powder having a surface glaze of substantially water-insoluble metallic salt of a higher monobasic aliphatic acid.

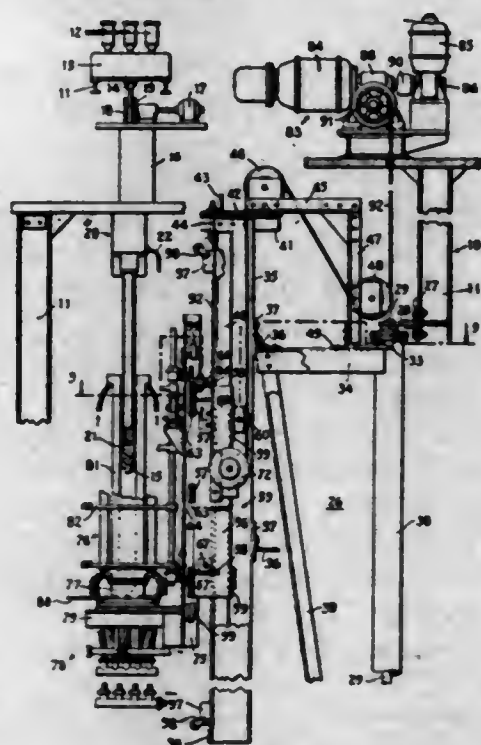
2,385,136

APPARATUS FOR PRODUCING METAL BODIES

Robert K. Hopkins, New York, N. Y., assignor to The M. W. Kellogg Company, New York N. Y., a corporation of Delaware

Application April 21, 1943, Serial No. 483,967

19 Claims. (Cl. 22—61)



1. In apparatus for producing metal bodies by subjecting raw materials of the desired metal to the discharge of electric current through a gap, a fusible electrode, a supporting structure, means fixedly positioned on said structure for feeding said electrode along a substantially vertical path, means movable into said path at a substantially fixed vertical distance from said feeding means for severing said electrode, a mold, swingable means supporting said mold adapted to move said mold into registry with said electrode path, means for raising and lowering said mold relative to said fixedly positioned means, and means for terminating the upward movement of said mold in a position in said path to provide a predetermined spacing between the severed end of said electrode and the bottom of said mold.

2,385,137

PREPARATION OF DIAMOND DIES FOR WIRE DRAWING

Alan Edgar Jones, Prescott, England, assignor to British Insulated Cables Limited, Prescott, England, a British company

No Drawing. Application April 21, 1945, Serial No. 589,704. In Great Britain May 18, 1944

2 Claims. (Cl. 51—293)

1. In the process of preparing a hole in a diamond die for wire drawing, using as the operating member a needle or wire moved relative to the diamond, the step of feeding the space between the operating member and the surface of the hole with diamond powder suspended in cyclohexanol.

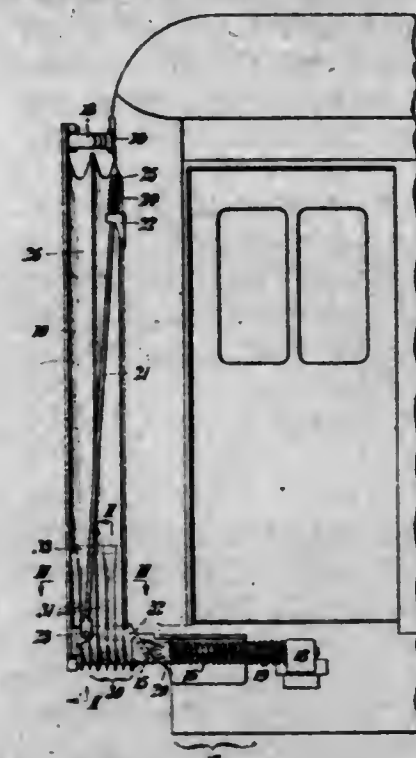
2,385,138

DIAPHRAGM VESTIBULE STRUCTURE FOR RAILWAY CARS

William M. Keller, Merion, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania

Application February 18, 1944, Serial No. 522,862

2 Claims. (Cl. 105—15)



1. A railway car vestibule structure having a face plate; a collapsible diaphragm interposed between said face plate and the car end, and extending across the top and down along the sides of the vestibule opening; a threshold plate movable with the face plate; and means collapsible with the diaphragm for closing gaps left between the bottom ends of the diaphragm and the ends of the vestibule threshold plate of the car at the bottom of the vestibule opening, said gap-closing means being in the form of a supplemental diaphragm section of flexible material extending crosswise beneath the threshold plate and upward of the opposite ends of the latter into lapping relation with the side portions of the main diaphragm, and attached front and rear to the vestibule face plate and the car end.

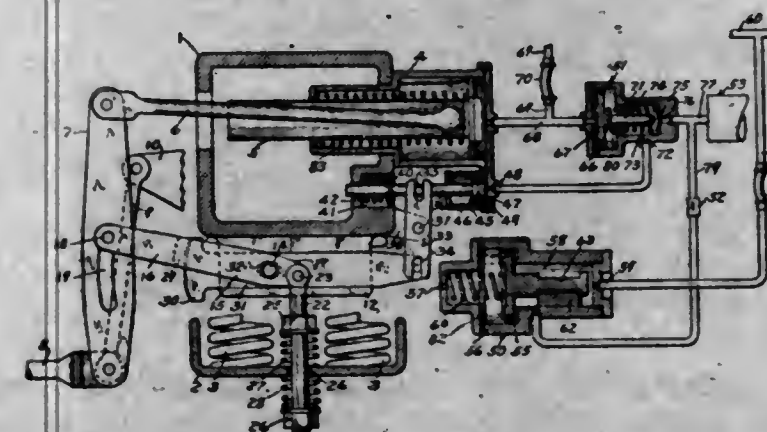
2,385,139

VARIABLE LOAD BRAKE

Cecil S. Kelley, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application August 29, 1942, Serial No. 456,583

3 Claims. (Cl. 188—195)



1. In a variable load brake apparatus for a vehicle truck of the type having a fixed spring plank and a truck bolster vertically movable relative to the spring plank in response to variations in the weight imposed thereon, in combination, a brake lever operatively connected at one end to a brake member to be operated, a brake cylinder

carried by said bolster and connected to the other end of said lever, said brake cylinder being operative to actuate the lever and thereby said member, a slotted opening in said lever extending longitudinally of the lever intermediate its ends, a fulcrum for said lever disposed in said slotted opening, a lever carried by said bolster and operatively connected to said spring plank operative to shift said fulcrum along said brake lever, and locking means carried by said bolster for locking the second mentioned lever against operation by relative movement between said bolster and said spring plank.

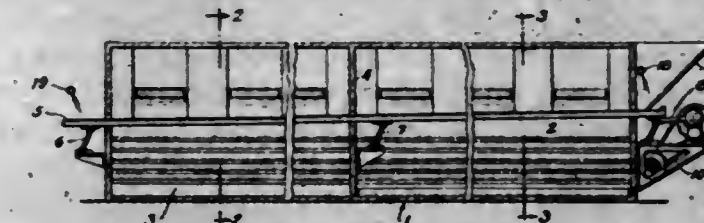
2,385,140

PROCESS OF FREEZING FOOD

Frank W. Knowles, Seattle, Wash., assignor to Beltice Corporation, Seattle, Wash., a corporation of Washington

Application October 23, 1939, Serial No. 300,766

16 Claims. (Cl. 62—173)



1. The process of freezing food, comprising: placing pieces of a food in a single layer, while maintaining the single layer, agitating the food so that each individual piece moves continuously and independently of the others, and while so agitating the food subjecting it to a temperature below the freezing point of the food.

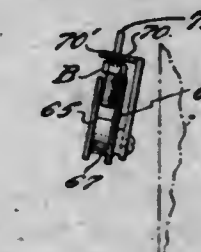
2,385,141

BOLT TRACK AND ASSORTER

Norman V. Kuchlman, Milwaukee, Wis., assignor to The National Lock Washer Company, Newark, N. J., a corporation of New Jersey

Original application July 10, 1941, Serial No. 401,804. Divided and this application August 25, 1942, Serial No. 456,041

2 Claims. (Cl. 209—90)

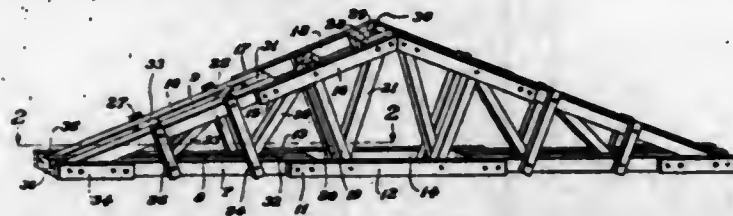


1. In a device of the character described, a track having inclined stationary spaced rails arranged to support the head of a bolt blank on the top of the rails with the shank of the blank extending between the spaced rails, a plane disposed at right angles to the plane of the upper surface of said track adapted to form an angle with a vertical plane so that one rail will be slightly higher than the other rail, a gap in the higher of the two rails adapted to permit the passage of a blank therethrough and a stationary arm arranged above said track and gap and spaced from the upper surface of said track a distance more than the thickness of the head of a bolt blank and adapted to engage a malformed or misplaced blank and force it through said gap to separate it from the remaining blanks traveling along said track while permitting a normally positioned and dimensioned blank to move past the gap supported on the unbroken rail with the head of the blank on top of the rail and the shank resting against the side thereof.

2,385,142

TIMBER TRUSS AND THE LIKE

Everett S. Lank, Green Acres, Md., assignor to Timber Engineering Company, Washington, D. C., a corporation of Delaware
Application December 14, 1943, Serial No. 514,240
4 Claims. (Cl. 20-0.5)

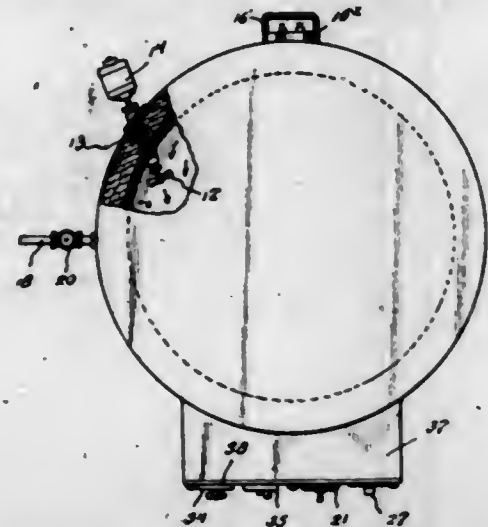


1. A truss comprising longitudinally extending pairs of members forming chords, transversely extending pairs of members forming double webs and single transversely extending members forming single webs, said single webs lying in the central longitudinal plane of the truss and the positions of said chords and double webs alternating with the double webs intermediate the chords in those portions of the length of the truss in which web stresses predominate over chord stresses and with the chords intermediate the double webs in those portions of the length of the truss in which chord stresses predominate over web stresses, the changes of positions of said chords being effected through lapped splice joints in said chords.

2,385,143

PLASTIC TREATING APPARATUS

Avrom Charles Levine, Buffalo, N. Y.
Application January 13, 1944, Serial No. 518,151
4 Claims. (Cl. 219-39)



1. In a processing and curing apparatus, a container including insulated walls and having a liquid therein for curing of material, a perforated plate removably supported in the container within the liquid for supporting the material within the liquid, means including an electric drive mounted in a wall of said container and above said perforated plate for circulating the liquid in the container, and electrical means for the operation of said first named means and for automatically heating said liquid to a predetermined temperature and for a predetermined length of time.

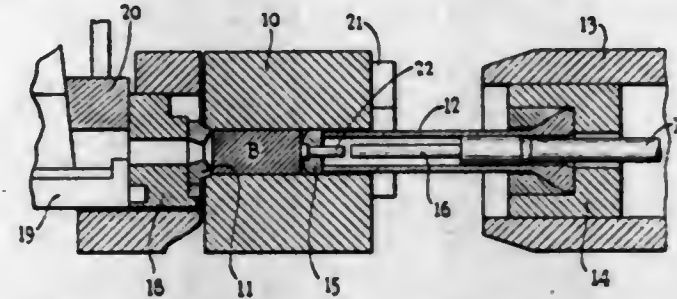
2,385,144

DISCARD SHEARING TOOL FOR EXTRUSION PRESSES

Hugo Lorant, New York, N. Y., assignor to The Loewy Engineering Company Limited, London, England, a corporation of Great Britain
Application June 23, 1943, Serial No. 491,867
In Great Britain April 9, 1942
2 Claims. (Cl. 207-2)

1. An extrusion press comprising a billet container having a through horizontal bore, a die at

one end of said bore, a hollow press stem adapted to pass through the bore from the end opposite said die, the advancing end of said stem having a pushing surface, a press disc separate from said stem having an extended surface corresponding to the bore of said container of sufficient extent to provide for non-tiltable, slidable movement in said bore, said press disc having a rear surface for contact with the pushing surface of said stem for movement thereby, said disc having a discard shearing tool slidably mounted therein, having at one end an enlarged head of a size to enter said die and shear the extruded material from the

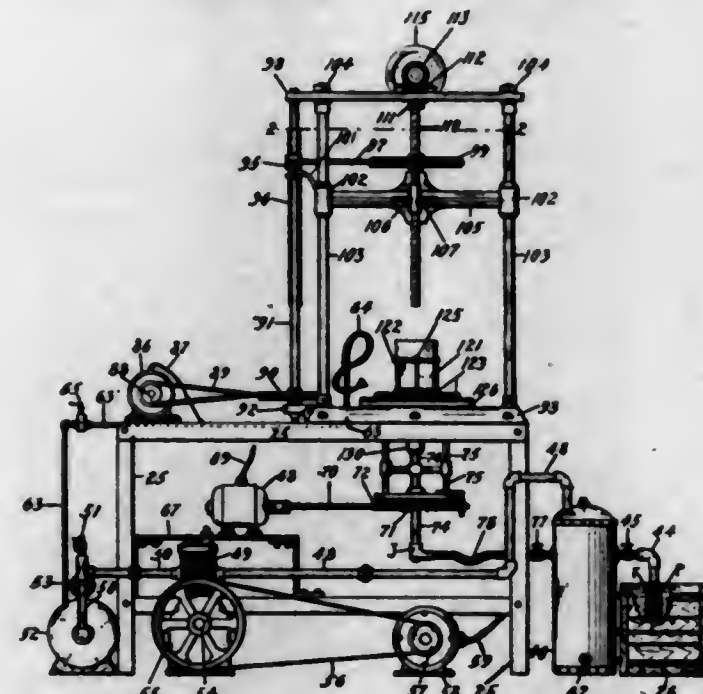


discard and the other end of said discard shearing tool extending through a reduced bore in said press disc and to the rear thereof, a plunger in said hollow stem adapted to contact said extended end of the discard shearing tool for shearing the extruded material from the discard, said die being movable from a position adjacent said billet container to a position spaced therefrom, whereby a billet may be extruded and the extruded material sheared from the discard and said discard shearing tool, press disc and discard left at the die end of said billet container for removal when said die is moved to a position spaced from the billet container.

2,385,145

PROCESS FOR MAKING CONTAINERS FROM PAPER PULP AND APPARATUS THEREFOR

Raymond E. MacDonald, Westwood, Mass., assignor of one-half to Edwin M. Warwick, Walpole, Mass.
Application August 21, 1939, Serial No. 291,146
31 Claims. (Cl. 92-56)



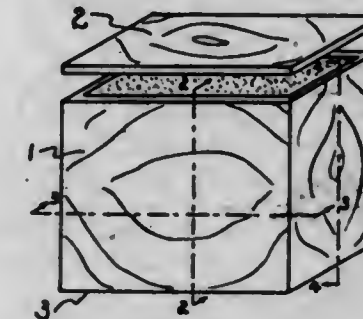
20. Apparatus for making containers from moist paper pulp, comprising a retainer receptacle adapted to hold a container blank of said pulp, supporting means, a hollow sleeve supported on end on said supporting means and adapted to receive said retainer receptacle, said receptacle embodying a screen portion and an outer member associated with and having portions spaced from said screen portion to thereby provide air space between said screen portion and said outer

member and having a passage for the escape of air in communication with said air space, instrumentalities to rotate said retainer receptacle embodying a hollow shaft in communication with said space, an expander member adapted to be moved into said retainer receptacle embodying a plurality of movable rolls spaced apart, vertically and horizontally movable instrumentalities adapted upon actuation to cause said laterally movable rolls to move laterally, said instrumentalities embodying journal members spaced apart laterally and adapted to move horizontally, an actuating rod carrying a cone member adapted upon actuation of said rod to enter said space between said journal members and force said journal members horizontally outward and vertically moving lifting rods operably associated with said actuating rod and so positioned with relation to said hollow sleeve that downward movement of said expander member bring said lifting rods into contact with said hollow sleeve to thereby force said lifting rods upwardly and actuate said actuating rod and said cone members to thereby move said journal members horizontally to thereby cause lateral movement of said rolls.

2,385,146

LIFEBOAT BREAKER

Joseph R. MacDonald, Medford, Mass., assignor to The Multiple Breaker Company, New London, Conn., a corporation
Application April 1, 1942, Serial No. 437,262
5 Claims. (Cl. 206-46)



1. A multiple pack fluid breaker comprising in combination an enclosing receptacle, removable self supporting waterproof blocks of insulation and a multiplicity of fluid holding containing units said units being enclosed in a carton, each of the interior surfaces of said receptacle being lined with a removable block of said insulation, one removable block completely covering the interior of the base of said receptacle said block supporting vertically disposed blocks adjacent to each of the walls of said receptacle and one block resting on the top of the said wall blocks, said block completely covering the interior of the top of said receptacle, the space completely enclosed by said insulation enclosing said carton, the outer surfaces of said carton being contiguous to the inner exposed surfaces of said blocks of insulation.

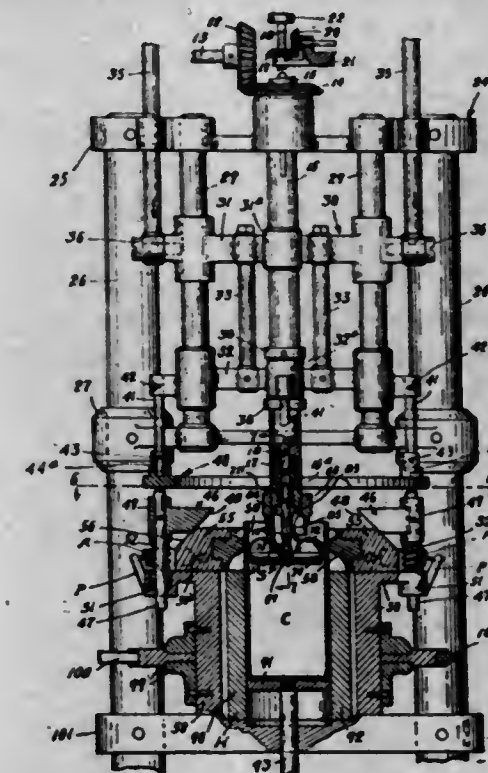
2,385,147

DEVICE FOR FORMING CONTAINERS OF FLEXIBLE MATERIAL

Raymond E. MacDonald, Westwood, Mass., assignor of one-half to Edwin M. Warwick, Walpole, Mass.
Application July 3, 1944, Serial No. 543,272
26 Claims. (Cl. 18-19)

21. A device for shaping a container made of moist paper pulp comprising a holder for holding said container, means to rotate said holder, a movable constrictor to reduce the size of a portion of said container, means to move said con-

strictor laterally into operative position, vertically operated means to actuate said constrictor moving means, a rotatable shaft connected to and operative with said vertically operated means, instrumentalities to rotate said shaft, another shaft, means to actuate said other shaft vertically and agencies to rotate it, a former to form the top edge of said container embodying a neck ring adapted to enter said container, said former being attached to and movable with said first-mentioned shaft, supporting means for said elements, a spinner adapted to enter said container and support it during the constricting operation

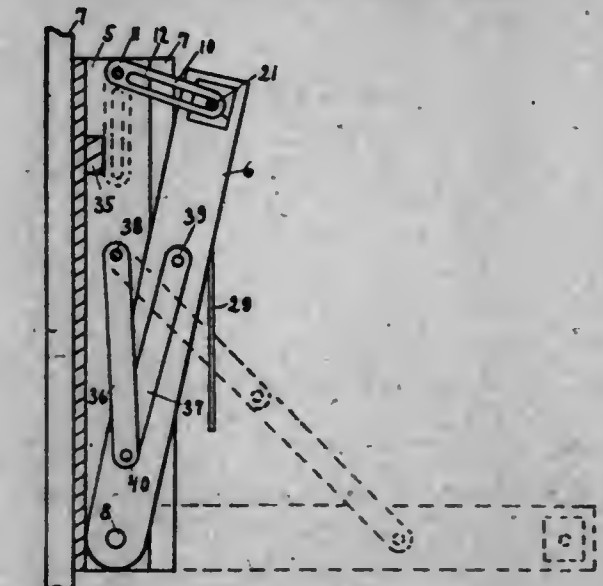


pivotaly attached to said first shaft and movable vertically and rotatable therewith, said spinner embodying a supporting frame and two roll members at opposite ends thereof, rotatable gears attached to said roll members, another rotatable gear in mesh with said first gears and attached to said other shaft and rotatable therewith, supporting means fixed to said first shaft, and a trigger pivotaly mounted in said supporting means and normally suspended adjacent to one of said roll members in a position where it is adapted to actuate said roll member from inoperative to operative position when said other shaft is actuated to operative position.

2,385,148

WINDOW CONSTRUCTION

Benjamin H. Marcus, Brooklyn, N. Y.
Application September 23, 1944, Serial No. 555,577
3 Claims. (Cl. 20-53)



1. In a window having two lateral parts and a frame hinged to said lateral parts, means for securing said frame to said lateral parts releas-

ably in two different positions, said means comprising a body slidable in said frame and having two surfaces forming steps spaced in the sliding direction at one side of said body, a bolt affixed to said body at the opposite side, an arm hinged to one of said lateral parts and having a slot engageable by said bolt, said lateral part having a hole engageable by said bolt and positioned beyond said arm seen from said body in the sliding direction, a spring drawing said bolt into said engagements, means to withdraw said bolt from said engagements, a member movably connected to said frame and having a surface acting as a stop for the withdrawal of said bolt by contact with either of said two surfaces of said body, and means to move said member from a position stopping one of said surfaces of said body into a position stopping the other of said surfaces.

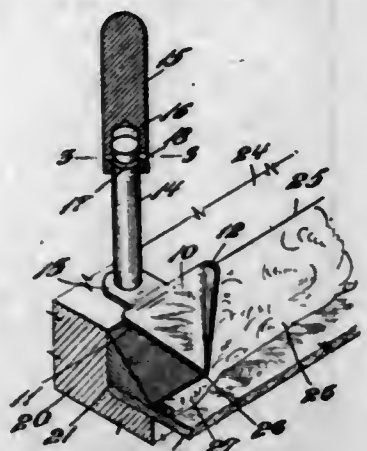
2,385,149

PUTTY APPLICATOR

Rene Martines, Cranston, R. I.

Application August 1, 1944, Serial No. 547,578

3 Claims. (Cl. 18—3.5)



1. A putty applicator comprising a V-shape blade having adjacent edges forming an acute angle with the apex of said angle designed to engage the glass of a window frame, one of said edges being straight from said apex and adapted to engage the putty to be applied, the other of said edges being curved outwardly from the plane of the blade to guide the putty applied beneath said blade and a handle attached to said blade and positioned at an obtuse angle to the plane of the blade adapting the same to be held substantially vertical to the glass of the window frame while the putty is being applied thereto.

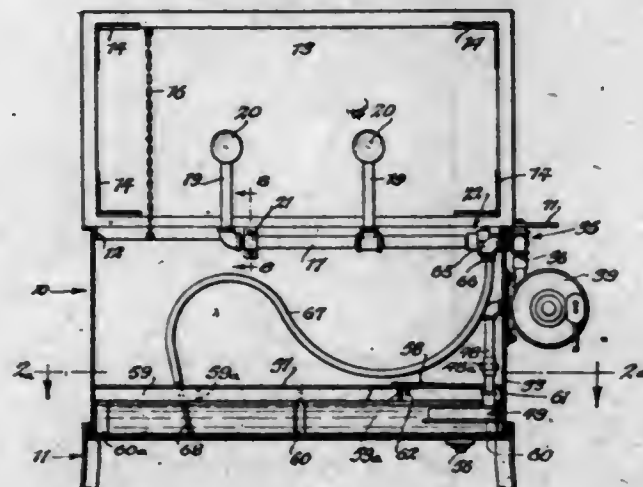
2,385,150

SPRAY CLEANER

Arthur E. Miller, Buffalo, N. Y., assignor to Visco-Meter Corporation, Buffalo, N. Y., a corporation of New York

Application June 28, 1941, Serial No. 400,302

1 Claim. (Cl. 141—1)



A unitary washing machine for the removal of dirt, grease, oil, and the like from engine and

other automobile parts comprising a tank having a perforated false bottom in a horizontal plane upon which the parts to be cleaned are supported, the space below the false bottom constituting a reservoir for the cleaning fluid, a motor driven pump mounted externally upon a wall of the tank, and having an inlet pipe connection to said reservoir and an outlet pipe connection terminating externally of the tank, two pipe connections extending through a wall of the tank, a valve casing connected to the outlet connection of the pump and said two pipe connections, a valve in said casing for establishing, at will, communication between the outlet connection of said pump and either of the said two pipe connections, a pipe within the tank located suitably above said false bottom and equipped with means for spraying cleaning fluid upon the parts supported upon said false bottom, a coupling between said pipe and one of said pipe connections, said coupling including a swivel joint to permit turning movement of said pipe upon its axis in order that the spraying means may be positioned for operation or placed in a non-operative position in which the parts upon which the cleaning fluid acts may be placed upon or removed from said false bottom, a flexible hose within the tank connected to the other of said two pipe connections, and a discharge nozzle carried by said hose at its free end, the discharge nozzle being available to direct a concentrated jet of cleaning fluid upon any of the parts supported upon said false bottom.

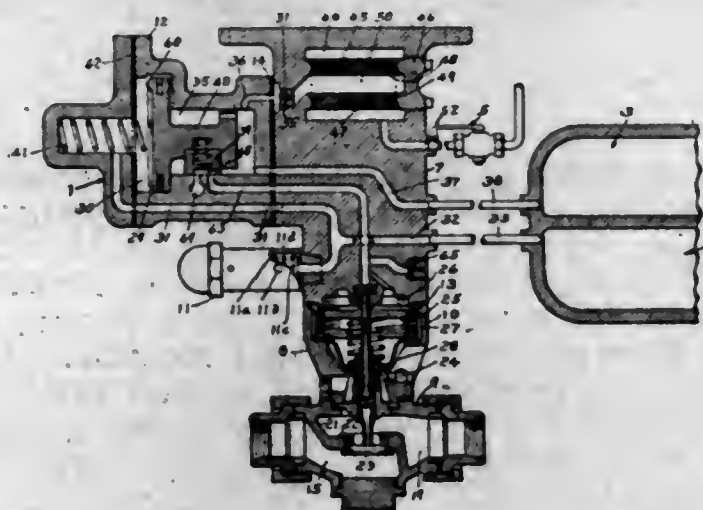
2,385,151

AUTOMATIC BLOW-OFF VALVE APPARATUS

Raymond E. Miller, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilkes-Barre, Pa., a corporation of Pennsylvania

Application February 27, 1943, Serial No. 477,404

4 Claims. (Cl. 121—147)



3. A fluid pressure operated control valve device comprising, in combination, a motor device having a piston cylinder, a casing having therein a control passage through which fluid under pressure may flow to said cylinder to effect the operation of said device, a first chamber charged with fluid under pressure, a second chamber charged with fluid under pressure from said first chamber, valve means subject to the opposing pressures of fluid in said first and second chambers and having a position in which charging fluid flows from said first chamber to said second chamber and in which said passage is connected to the atmosphere, said valve means being responsive to a pre-selected reduction in the presence of fluid in said second chamber to cut off the charging flow of fluid from said first chamber to said second chamber and to admit fluid under pressure from said first chamber to said passage, an always open exhaust communication through which fluid under pressure may flow to

the atmosphere to effect a reduction in the pressure of fluid in said first chamber at a preselected slow rate, said valve means being responsive when the pressure of fluid in said first chamber has been reduced to a pre-selected low degree to isolate the passage from said first chamber to said passage, to additionally connect the passage to the atmosphere and to admit charging fluid from said first chamber to said second chamber.

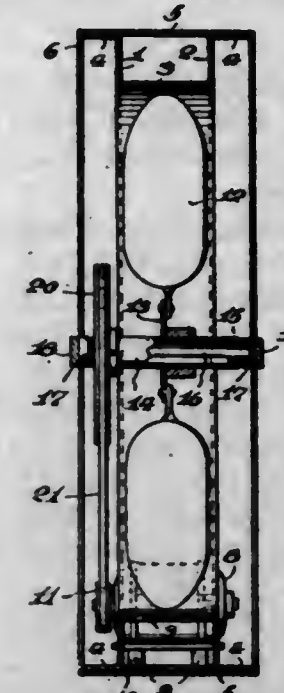
2,385,152

VENTILATING OR EXHAUST FAN

Hackley Morrison, Houston, Tex., assignor to Tex-fan Company, Houston, Tex., a copartnership composed of himself and Hackley Morrison, Jr.

Application September 8, 1944, Serial No. 553,253

8 Claims. (Cl. 230—259)



1. A supporting structure for ventilating fans and the like comprising a pair of rectangular baffle plates disposed in spaced, parallel relation and having central registering openings, a funnel formed integral with said baffle plates around the edges of said openings, and a rim surrounding and rigidly uniting the outer edges of said baffle plates, said rim forming a permanent part of said structure and the side edges of said rim projecting laterally beyond the plane of said baffle plates.

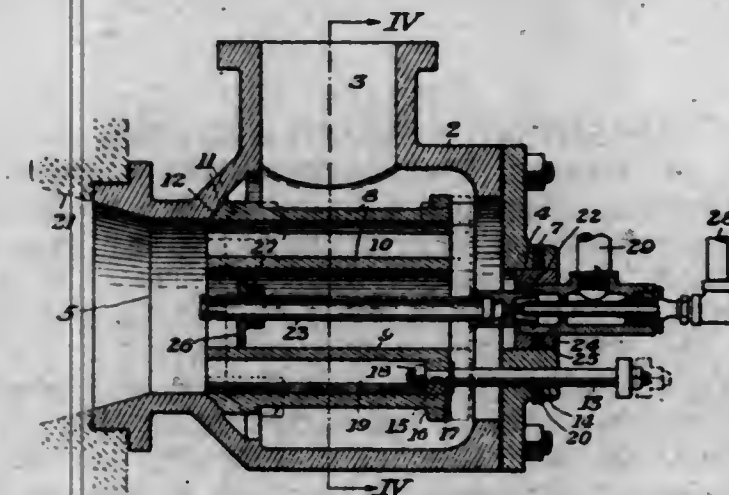
2,385,153

BURNER

William A. Morton, Mount Lebanon, Pa., assignor, by mesne assignments, to Union Mining Company of Allegheny County, Pittsburgh, Pa., a corporation of Maryland

Application November 12, 1942, Serial No. 465,296

6 Claims. (Cl. 158—76)



1. A burner comprising a casing having separate fuel and air inlets and a combined fuel and

air outlet, a fuel duct within which fuel is adapted to flow from the fuel inlet toward the outlet and an air guide surrounding the fuel duct and movable generally toward and away from the outlet, said guide having a series of passages disposed about the fuel duct and generally parallel thereto for guiding air from the air inlet toward the outlet and also having a nose portion adapted when the guide is in one position to contact the casing to prevent flow of air therebetween and adapted when the guide is in another position to form with the casing a passageway extending at an angle to the axis of the fuel duct for passage of air from the air inlet toward the outlet.

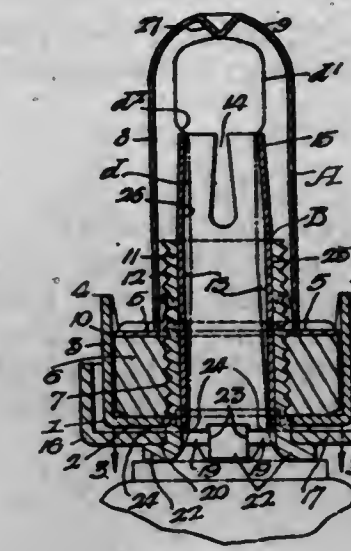
2,385,154

ADJUSTABLE CASTER SOCKET

Charles B. Nalle, Philadelphia, Pa.

Application November 12, 1943, Serial No. 510,024

14 Claims. (Cl. 16—19)



1. An adjustable caster structure comprising a smooth shanked floor engaging element, an internally threaded hollow primary socket including a shell portion insertable to a predetermined extent axially into a leg of an article to be supported by said structure and an exposed base portion at one end of said shell, a hollow externally threaded secondary socket adapted to receive said shank and insertable into said primary socket for rotary engagement with the internal threads thereof for varying the effective length of said leg, prongs on said exposed base portion for anchoring said primary socket in said leg, and a cup-like actuating element on and rigidly secured to the outer end of said secondary socket with said cup-like element extending around and at least partially enclosing the exposed base of said primary socket.

2,385,155

THERMAL ELEMENT

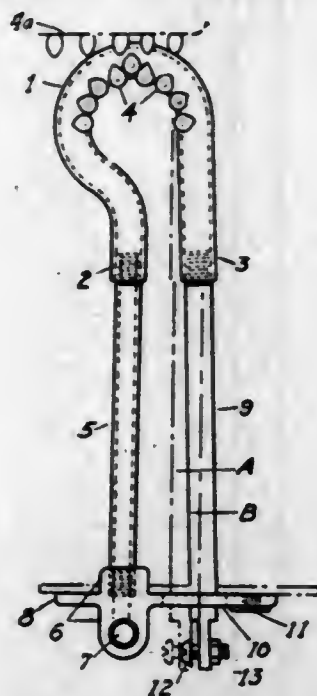
Robert E. Newell, Irwin, Pa.

Application August 25, 1943, Serial No. 499,947

4 Claims. (Cl. 158—117.1)

4. A flame responsive control unit including a section of hollow tube, of material having a high coefficient of expansion and a low heat conductivity, said tube being bent in a plane, in substantial circular form, one end of said tube being rigidly supported while the other end remains free to operate a control member, a fuel supply connected with said tube, burner port means provided in one side only of said tube, said one side lying in a plane transverse to said first mentioned plane, said port means extending lengthwise along its curved portion and positioned to provide a heating flame against said one side only, whereby

unequal heating of the tube causes it to flex transversely in the plane of its curvature, and operat-

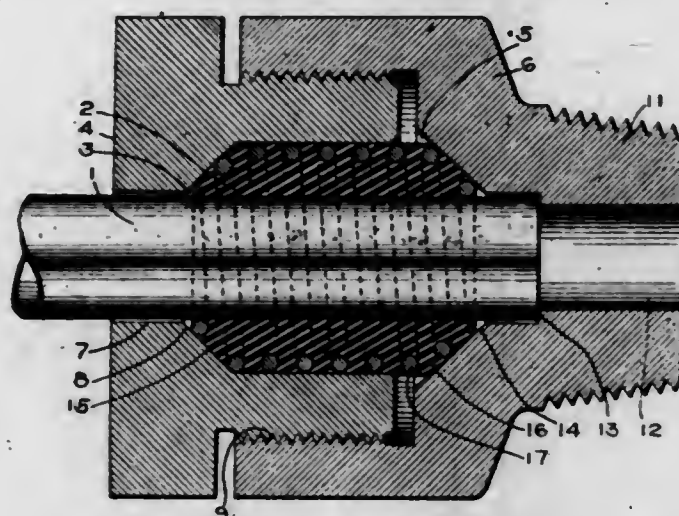


ing means connected to said free end of the tube to transmit its flexing movement to a control member.

2,385,156

PIPE COUPLING

George K. Newell, near Pitcairn, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application November 2, 1943, Serial No. 508,683
4 Claims. (Cl. 285-166)



1. In a coupling for a fluid conducting pipe, a receptacle for said pipe, an annular packing encircling the end portion of said pipe, a sleeve encircling said packing on said pipe and cooperating with said receptacle to exert a pressure on said packing, said packing comprising an annulus of pliant material having imbedded in the outer surface thereof metallic bearing means in the form of a left-hand helix for contact with at least the interior surface of said sleeve.

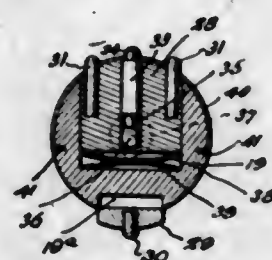
2,385,157

INSIDE DIAMETER MEASURING AND INDICATOR GAUGE

John C. Nilsson and John F. Nilsson, Poughkeepsie, N. Y., assignors to Nilsson Gage Company, Inc., Poughkeepsie, N. Y.
Application January 21, 1944, Serial No. 519,170
12 Claims. (Cl. 33-178)

2. In an inside diameter gauging instrument of the class described, a circular head, circumferentially spaced spring projected feeler studs mounted on a predetermined zone on the peripheral portion of said head, said head being provided on a substantially diametrically opposite zone with a longitudinally extending groove intersecting the

adjacent peripheral portion, a substantially L-shaped adapter and diameter varying attachment, one limb thereof being seated in said groove and being radially projectible and retractible in



relation to the adjacent peripheral area, said limb being provided with a feeler stud coacting with the first-named feeler studs, the remaining limb being adjustably mounted on the outer end of said head.

2,385,158

HYDROCARBON FUEL BLENDS

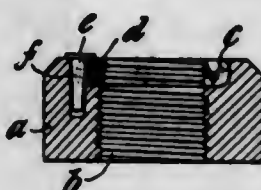
Henry C. Paulsen, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 6, 1941, Serial No. 409,798
8 Claims. (Cl. 44-57)

1. The method of inhibiting corrosiveness of a liquid hydrocarbon fuel stock of the gasoline to Diesel fuel boiling range normally corrosive to metals, which comprises adding to said fuel stock an effective corrosion inhibiting amount of an oil-soluble alkylated oxy-aryl sulfide in a range of about 0.001 to 0.05% by weight of said fuel stock.

2,385,159

LOCK NUT

Walter Clay Peters, Horley, England
Application July 17, 1943, Serial No. 495,104
In Great Britain October 23, 1942
2 Claims. (Cl. 151-15)



1. A locking nut having within one end of its screw threaded aperture an annular groove, a split ring located in and overhung by the mouth of said groove and presenting an aperture screw threaded in continuation of the screw thread or said screw-threaded aperture of said nut, and a pin located in an axial hole partly in said grooved end of said nut and partly in said split ring diametrically opposite the split thereof and displacing eccentrically and constricting said split ring.

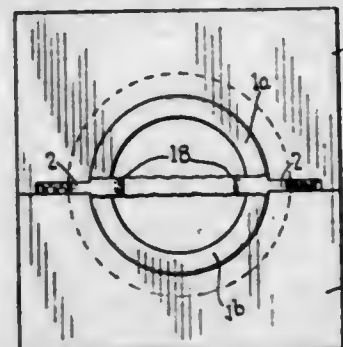
2,385,160

FINISHING WELDED ARTICLE

George H. Phelps, Floral Park, and George J. Frischmann, Queens Village, N. Y., assignors to Metropolitan Engineering Company, Brooklyn, N. Y., a corporation of New York
Application January 22, 1942, Serial No. 427,731
10 Claims. (Cl. 29-148)

2. The method of finishing a welded article having a burr extruded at the weld during the welding operation, which method includes the steps of utilizing a portion of the burr to steady the article while removing the remainder of the burr, and thereafter removing the portion of the burr utilized to steady the article.

4. The method of finishing a welded article having a burr extruded at the joint during the welding operation, which method includes the steps of

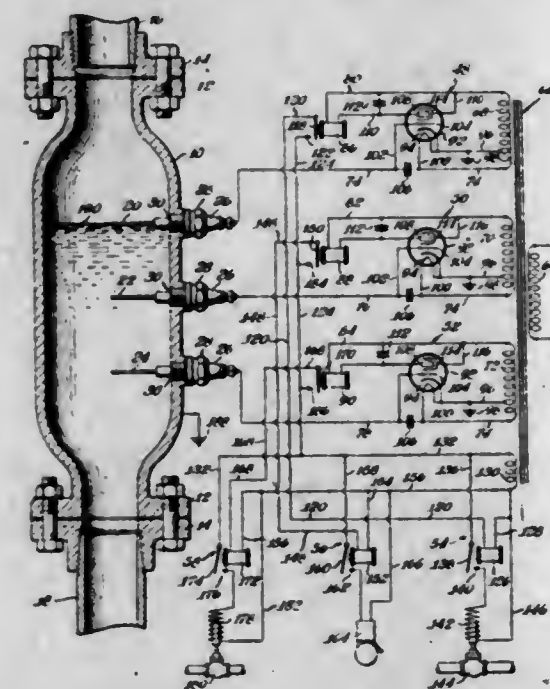


compressing the burr, utilizing a portion of the burr to steady the article while removing the remainder of the burr and thereafter removing the retained portion of the burr.

2,385,161

STEAM BOILER CONTROL

Jack L. Pinkerton, Long Beach, Calif.
Application December 10, 1940, Serial No. 369,473
2 Claims. (Cl. 122-451)



1. In a steam boiler: an electrode located for contact with the water in the boiler at its normal level therein; said boiler being grounded; an electrically operated water supply valve and an operating circuit therefor; a vacuum tube connected with a source of current and having its grid circuit connected with said electrode to energize the plate circuit of the vacuum tube through contact between said electrode and the water in the boiler; said vacuum tube having a grounded filament; a relay connected into said plate circuit; and a switch connected into said operating circuit and biased to an open position by the energized relay, but moving to a closed position upon deenergization of the plate circuit and the relay when the water in the boiler moves out of contact with said electrode, to open said water supply valve.

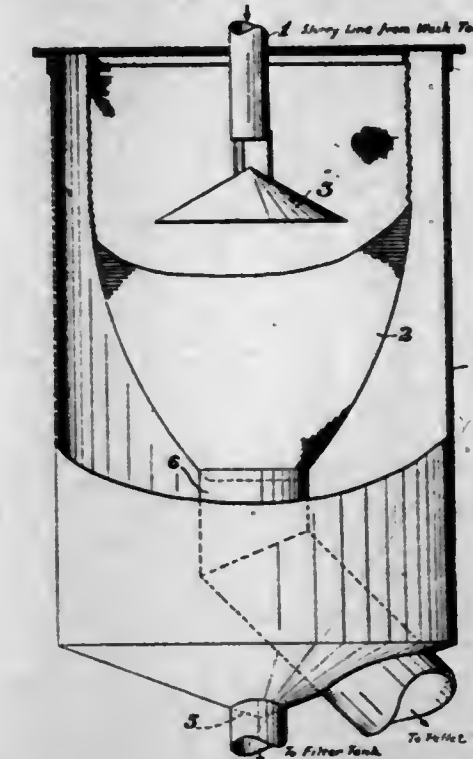
2,385,162

CHEMICAL APPARATUS FOR THE MANUFACTURE OF EXPLOSIVES

Hubert Osborn Richardson, Washburn, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 25, 1942, Serial No. 432,277
1 Claim. (Cl. 209-235)

A continuous wet screening process for water-insoluble explosive compounds from the class consisting of trinitrotoluene, trimethylene tri-

nitramine, pentaerythritol tetranitrate, which comprises forming an aqueous slurry of said material, said slurry containing pellets and solid suspended particles forcing said slurry from the mouth of a conduit against a conical deflector to deflect said slurry stream through a wire



screen in the form of a frustum laterally enclosing said deflector, thereby causing any pellets to be removed from the slurry and fall to the base of said wire frustum, and continuously removing the pellet-free slurry by means of a tank surrounding said frustum.

2,385,163

SAFETY POCKET

William Riedel, Lansdowne, Md.
Application June 20, 1944, Serial No. 541,220
1 Claim. (Cl. 2-254)

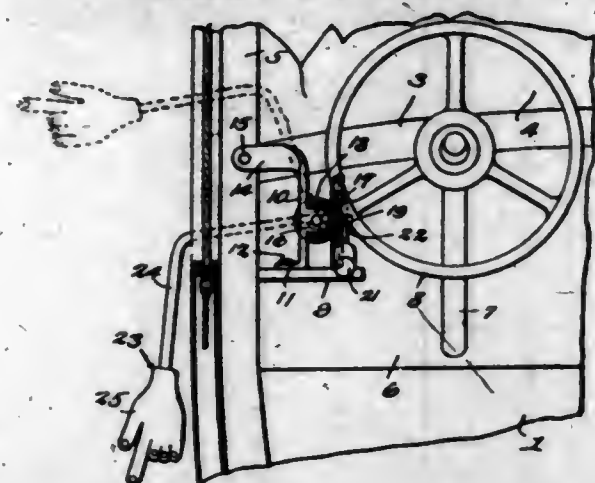


In a safety pocket, an inner wall, an outer wall, a reinforcing strip secured at an interior point to said inner wall, a portion of a snap fastener comprising a flange, an extending shank and a button head at the end of said shank, secured to said reinforcing strip, a flap secured to the top of said outer wall and extending downwardly a substantial distance into said pocket, and a second portion of the snap fastener comprised of a recessed flange member containing a spring adapted to engage said button head on said first-mentioned portion secured to said flap, the arrangement being such that said second portion must be tilted with respect to said first portion by a pull on the lower end of said flap to permit said portion to disengage.

2,385,164

AUTO DIRECTOR

Albert C. Schulze, Riverside, Iowa
Application March 27, 1944, Serial No. 528,296
1 Claim. (Cl. 116—52)

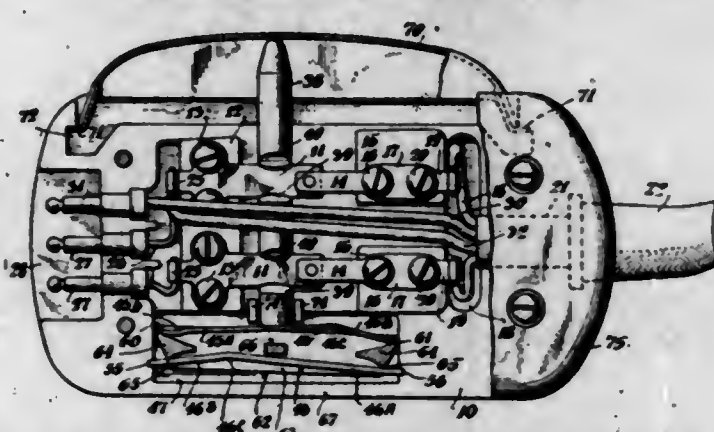


A vehicle comprising a body and a windshield, a shelf having its forward end secured to the body in close relation to the windshield, the rear end of the shelf being free, a standard having its lower end secured to a portion of the shelf intermediate its ends and provided at its upper end with an outwardly extending arm secured to the body, the standard and the arm constituting a hanger for the shelf, a longitudinal shaft supported for rotation on the standard and extended forwardly with respect to the windshield, a handle extended rearwardly and longitudinally of the vehicle and mounted for vertical swinging movement on the standard, means for imparting rotation to the shaft from the handle, and a signal secured to the forwardly extended portion of the shaft and operating transversely of the vehicle, the rear portion of the shelf forming a stop which the handle engages when the signal is in inoperative position.

2,385,165

ELECTRIC SWITCH

Sterling G. Sears, Garden City, N. Y.
Application December 3, 1943, Serial No. 512,687
12 Claims. (Cl. 200—67)



5. In an electric switch, a pair of spring contact arms, a pin mounted for longitudinal movement beneath said arms and having means operable in predetermined positions of said pin to successively operate said contact arms, and means actuated by longitudinal pressure on said pin to cause said pin to assume said predetermined positions with snap actions.

2,385,166

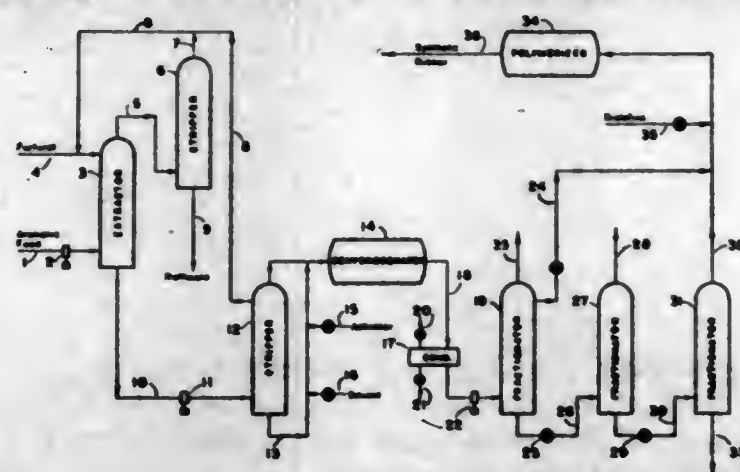
PROCESS FOR THE PRODUCTION OF DIOLEFINS AND VINYL BENZENES

Henry M. Singleton, Goose Creek, and Thomas B. McCulloch, Baytown, Tex., assignors to Standard Oil Development Company, a corporation of Delaware

Application February 15, 1943, Serial No. 475,868
7 Claims. (Cl. 260—669)

4. A process for the production of diolefins and vinyl benzenes which comprises extracting an

aromatic hydrocarbon fraction boiling between about 250° and 350° F. and containing alkylated benzenes with furfural to obtain a raffinate and an extract phase, removing said raffinate phase, stripping a portion of the furfural from the

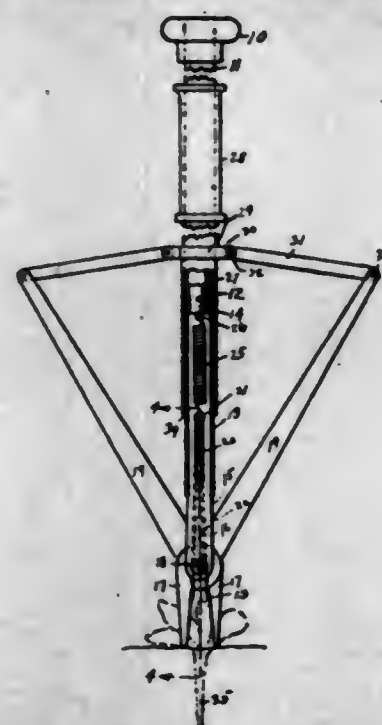


extract phase and recycling the stripped furfural to the extraction stage, dehydrogenating the extract phase containing furfural while adding an activating agent and a diluent thereto and recovering from the products of dehydrogenation diolefins and vinyl benzene.

2,385,167

WEED PULLER

D. Montgomery Smith, Portland, Oreg.
Application April 17, 1943, Serial No. 483,380
1 Claim. (Cl. 294—50.5)



A weed puller of the class described consisting of a pair of weed engaging pliers including a pair of jaws and a connecting pivot, together with a pair of handles for actuating said jaws, a tubular stem disposed between said handles having a forked end attached to the plier pivot, a sleeve slidably mounted on said stem, toggle links connected to said sleeve and to the outer ends of said handles, a knob on the outermost end of said stem, a weed ejector mounted between the jaws of said pliers and extending upwardly into said stem, a bolt attached to the upper end of said weed ejector and extending through said stem, said stem being slotted to receive said bolt and permitting limited movement thereof, and a spring for urging said ejector toward a retracted position.

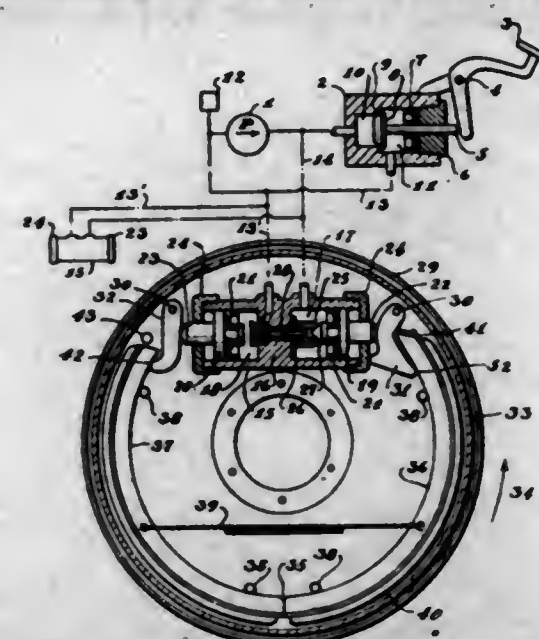
2,385,168

BRAKE

William Stelzer, Summit, N. J.
Application November 8, 1943, Serial No. 509,382
10 Claims. (Cl. 188—152)

1. In a braking system, a brake, a power operated actuator to apply said brake, a source of

power, power transmitting means from said source of power to said actuator, power transmitting means from said actuator to said source of power for relieving the power in said actuator, manually operated means to modulate the power of said



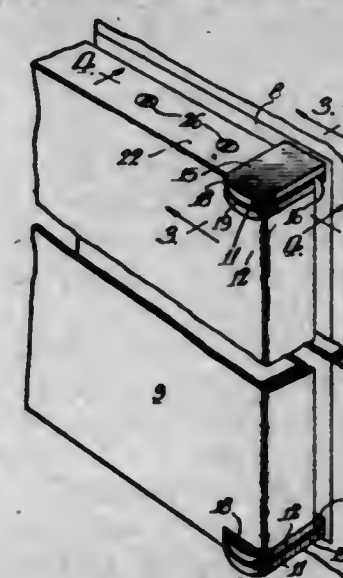
source of power, and means responsive to the brake torque generated by said brake to modulate the power of said actuator to produce a brake torque that is in a pre-determined proportion to the modulated power of said source of power.

2,385,169

METAL CABINET HINGE

Roy A. Stone, Rockford, Ill., assignor to National Lock Company, Rockford, Ill., a corporation of Delaware

Application June 2 1944, Serial No. 538,349
4 Claims. (Cl. 16—135)



3. A door hinge adapted to be mounted on a cabinet including a sheet metal door frame provided with a horizontal hinge slot, said hinge comprising a pair of pivotally connected leaves, one of said leaves consisting of a flat base including a vertically extending portion and a horizontally projecting portion and a flat extension projecting at a right angle from the upper end of said vertically extending portion, said base being of angular form having a rounded corner and proportioned to be inserted through said slot and mounted flat against the inner face of said frame with said extension projecting through said slot and outwardly from said frame, the other of said leaves being shaped for attachment to a door for said frame.

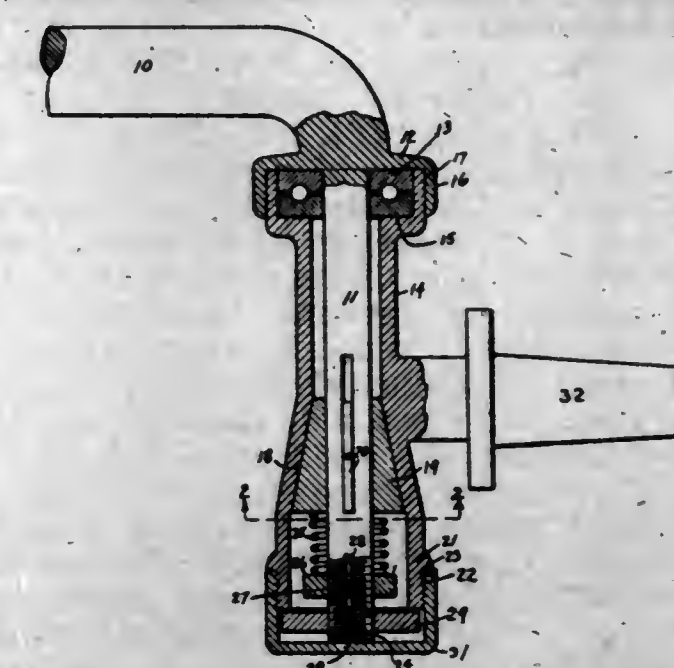
2,385,170

STEERING SPINDLE BEARING FOR AUTOMOBILES

James R. Tedd, Willamette, Oreg.
Application March 4, 1944, Serial No. 524,995
2 Claims. (Cl. 280—96.1)

1. A steering spindle for automobiles having an anti-friction bearing at its upper end and a

bronze bearing at its lower end, said bronze bearing being slidably and non-rotatably mounted on said spindle, said bearing having a conical exterior with its larger end lowermost, a sleeve disposed around said spindle having its upper end

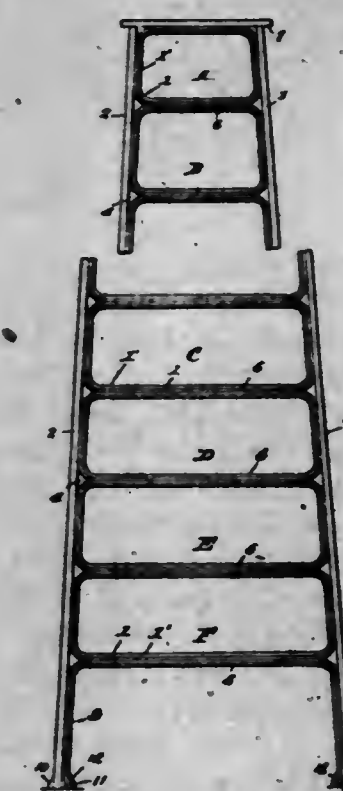


supporting said anti-friction bearing and having its lower end supported by said bronze bearing, and a nut on the lower end of said spindle normally out of engagement with the lower end of said sleeve, adapted to prevent the separation of the supported parts from their bearings.

2,385,171

LADDER

Cowles Mead Vaiden, Indio, Calif.
Application April 12, 1944, Serial No. 530,675
1 Claim. (Cl. 228—58)



A ladder including side strips, and superposed endless substantially rectangular loops each formed of laminated wood, said loops being interposed between and secured to the side strips, said loops having straight top and bottom portions secured to each other throughout their length and constituting rungs, the terminals of the respective laminations of each loop being out of register with each other and with the terminals of the laminations of the next adjoining loop, and a laminated bottom member having a rung portion and sides extended to the bottom ends of the side strips, the lower ends of the supporting side members of the lower rung being offset to provide feet.

2,385,172

METHOD OF COAGULATING EMULSION POLYMERIZATES

Byron M. Vanderbilt, Cranford, and Nathan S. Beekley, Jr., Westfield, N. J., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana

No Drawing. Application November 9, 1940, Serial No. 365,012

13 Claims. (Cl. 260—23)

12. In the preparation of a synthetic rubber-like substance by the polymerization at a pH of 7 and above of an emulsion of butadiene and a second unsaturate containing a single C=C linkage and capable of forming copolymers with butadiene in water, the combination of steps of adding thereto an emulsifying agent comprising a stearate soap and a peroxide catalyst, and after the polymerization, the additional step in combination of precipitating the emulsion of polymer and the simultaneous precipitation of a portion of the stearic acid in the emulsifying agent comprising adjusting the hydrogen ion value of the emulsion by the addition thereto of limited quantities of carbon dioxide for a limited period of time, and the further step of the addition thereto of a water-soluble neutral salt.

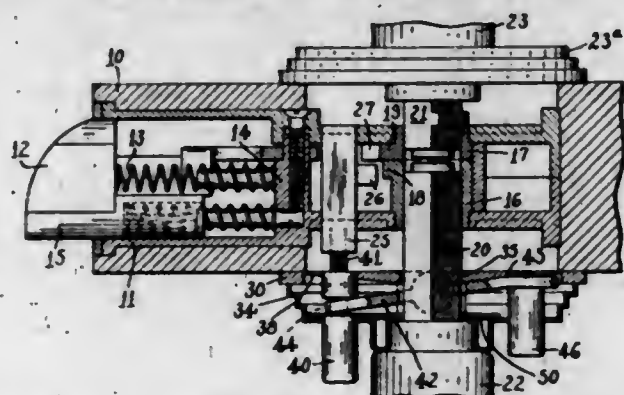
2,385,173

DOOR LOCK

Henry G. Voight, Hamden, Conn., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut

Application August 21, 1943, Serial No. 499,439

2 Claims. (Cl. 292—169)



1. In a door lock, a case, a latch bolt reciprocally mounted in the case, inner and outer knobs operatively connected to the latch bolt to retract the same, a dogging member to dog the outer knob against rotation, said member being slidably mounted in the case for movement transversely to the bolt, a supporting plate secured to the inner face of the door, a hollow rose member having its base resting upon said plate to be spaced thereby from the face of the door, a walking beam, means rockably securing said walking beam to said plate between the latter and the face of said rose member, said walking beam being connected to the dogging member to operate the same, operating means for said walking beam extending through the face of the rose, and said plate being recessed at its outer face to receive the ends of the walking beam to permit a long throw of the latter relatively to the depth of the hollow rose member.

2,385,174

CONTROLLER MOUNTING FOR KNITTING MACHINES

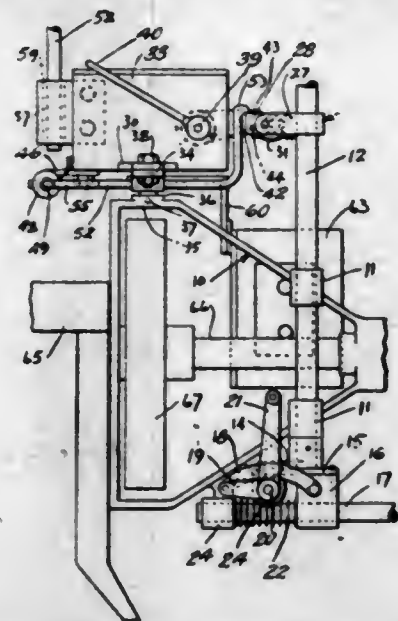
Edward Vossen, Brooklyn, N. Y., assignor to Stop-Motion Devices Corp., Brooklyn, N. Y., a corporation of New York

Application February 17, 1945, Serial No. 578,536

11 Claims. (Cl. 66—157)

1. A controller mounting for a knitting machine, comprising a bracket, a vertical rod turn-

ably mounted on said bracket, resilient means tending to turn said rod a small angular distance in one direction, a horizontal arm mounted on said rod and having a horizontal finger hingedly mounted to bend downwards, resilient means for holding said finger horizontally, a con-



troller box mounted on said bracket and having a horizontal shaft which turns a small angular distance when the controller is actuated, and a lever mounted on said horizontal shaft and having an offset end engaging in front of said horizontal finger for holding said vertical rod from being turned by said resilient means.

2,385,175

PIPE-LINE CORROSION INHIBITION

Aaron Wachter, Berkeley, and Richard S. Treseder, San Francisco, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application October 13, 1943, Serial No. 506,116

13 Claims. (Cl. 196—1)

1. A method of decreasing sulfide sediment corrosion in a ferrous metal pipeline carrying a stream of liquid hydrocarbons, comprising the step of intermittently injecting into said pipeline a relatively concentrated aqueous solution of non-oxidizing hydrocarbon-insoluble desulfurizing material, which solution has a pH in excess of 9, to form columns of liquid containing said concentrated solution, said columns being separated from each other by columns of said hydrocarbons.

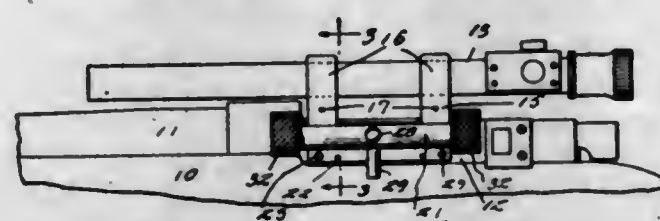
2,385,176

TELESCOPE SIGHT MOUNT

Hobart S. White, Bethesda, Md.

Application October 20, 1943, Serial No. 507,030

6 Claims. (Cl. 33—50)



1. A telescope sight mount for rifles and the like, comprising a shaft adapted to be attached to a telescope with arms extending radially from the shaft to telescope-mounting clamps, said shaft snugly but rotatably journaled in a sleeve mount adapted to be connected to a firearm with sleeve parallel to the bore of the firearm, said sleeve mount having a longitudinal slot to accommodate the clamp arms and thus enable longitudinal insertion of the shaft into the sleeve and detachment of the shaft from the sleeve, the sleeve hav-

ing notches forming enlargements of the slot located so as to enable the clamp arms to move into and out of the same circumferentially with respect to the sleeve so that a telescope may be moved from clip-loading to shooting position and vice versa.

2,385,177

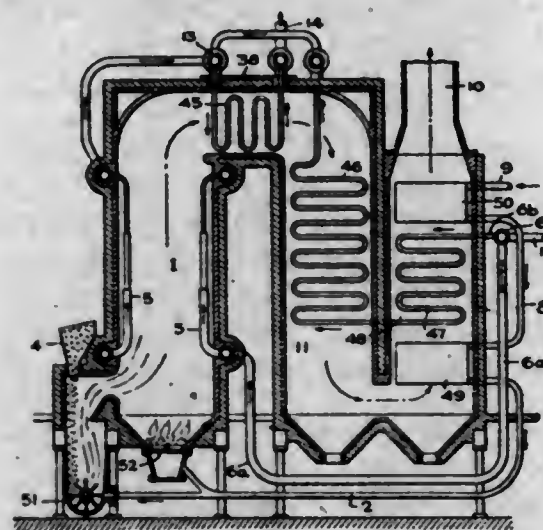
GAS HEATER

Robert Wiederkehr, Erlenbach, Switzerland, assignor to Aktiengesellschaft fuer Technische Studien, Zurich, Switzerland, a corporation of Switzerland

Application July 16, 1943, Serial No. 495,025

In Switzerland January 30, 1942

5 Claims. (Cl. 126—109)



1. A heater intended for heating gases to high temperatures, comprising in combination, means forming a combustion chamber and a passage for conducting products of combustion from said chamber; a single-pass tubular heat exchanger in said combustion chamber mounted adjacent to the walls of the chamber so as to be heated mainly by radiation; a multi-pass tubular heat exchanger mounted with its tubes extending across said passage so as to be swept by combustion gases flowing through the passage; connections for supplying gas to be heated to both of said exchangers in parallel; a collector for the heated gases flowing from both said exchangers, said connections and collector being so related to the exchangers that the flow of gas through the single-pass exchanger is concurrent with the flow of combustion gases and the flow of gases through the multi-pass exchanger is counter-current to the flow of products of combustion, the two exchangers being so proportioned that the temperatures of the gases flowing there-through are approximately equal as the gases reach said collector; and a second multi-pass tubular heat exchanger located in said passage near its junction with the combustion chamber and arranged to receive gases from said collector and discharge them to a point of use.

2,385,178

GARMENT

Israel Abzug, New York, N. Y.

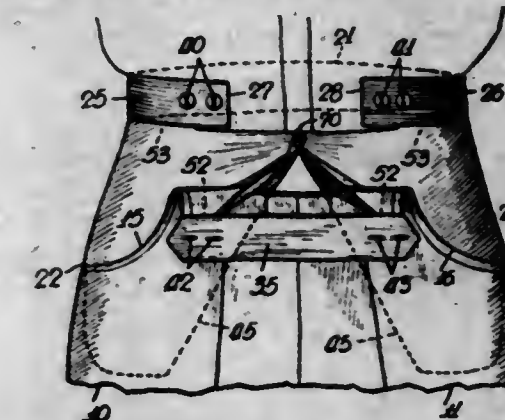
Application October 31, 1944, Serial No. 561,234

2 Claims. (Cl. 2—237)

1. A trouser garment of the slacks type comprising a back and a flyless front secured together by side seams which terminate at points substantially below the garment top to thereby leave the side edges of the front above said points without permanent securement and the upper portion of the front therefore free to drop, and means for releasably securing the upper portion of the front elevated to close the garment on a wearer, and pockets underlying the garment front, each

578 O. G.—27

pocket having front and rear walls closed at their inner and bottom edges and substantially disconnected from each other along their outer or side edges and along their upper edges, each pocket having one of its outer side edges secured in a side seam of the garment and its other side edge secured to that portion of a side edge of



the front which is free of permanent securement, and means for securing the extreme inner top corners of the pockets to each other to complete a waist engaging brace which underlies the garment front and which will retain the garment engaged about the waist of a wearer when the upper portion of the front is dropped.

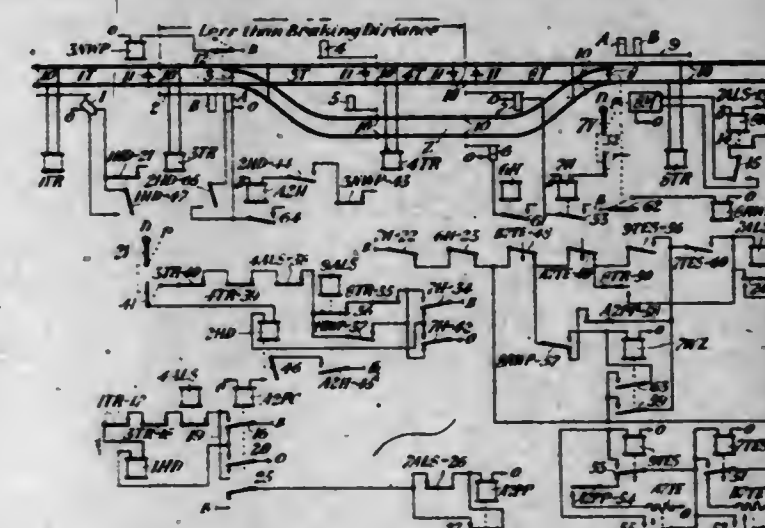
2,385,179

RAILWAY TRAFFIC CONTROLLING APPARATUS

Earl M. Allen, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application November 11, 1942, Serial No. 465,215

10 Claims. (Cl. 246—161)

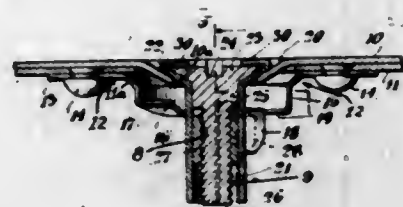


1. In release means for energizing an approach or time locking stick relay in a railway interlocking control system, including a time element device, including a first slow release auxiliary stick relay and a second auxiliary stick relay, including means for energizing said second auxiliary stick relay if said time element device is deenergized and if a given track switch is in the reverse position, including an energizing circuit for said time element device controlled by back contacts of said locking stick relay and said first auxiliary stick relay, including means for energizing said first auxiliary stick relay if said locking stick relay is deenergized and if said time element device is energized, the combination comprising, a second time element device slow to pick up and slow to release, a third auxiliary stick relay slow to release, an energizing circuit for said second time element device controlled by a front contact of said first auxiliary stick relay and by a back contact of said third auxiliary stick relay, a pick-up and a stick circuit for said third auxiliary stick relay both controlled by a front contact of said first auxiliary stick relay and the pick-up circuit controlled also by a front contact

of said second time element device, a pick-up circuit for said locking stick relay controlled by back contacts of both said time element devices and by front contacts of said first and third auxiliary stick relays, and a second pick-up circuit for said locking stick relay controlled by front contacts of said first and second auxiliary stick relays.

2,385,180 FASTENER

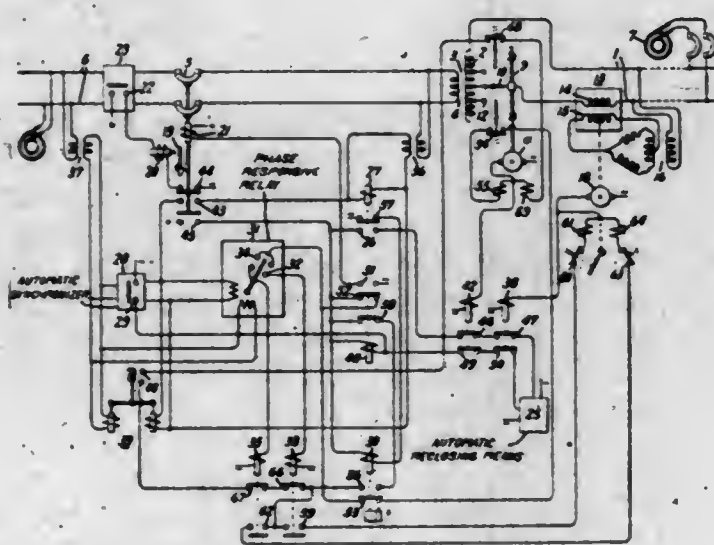
Rex W. Allen, Palisades, N. Y., assignor to Camloc Fastener Corporation, New York, N. Y., a corporation of New York
Application September 30, 1943, Serial No. 504,367
6 Claims. (Cl. 24-221)



1. A fastener stud assembly including, in combination, a screw-threaded stud, a head forming a part of such stud, a sleeve concentrically disposed with reference to said stud, a portion of said sleeve extending adjacent to said head, a nut mounted upon said stud, the sleeve having opposed axial slots therein, wing portions forming a part of said nut and extending through said slots, and means adjacent the stud head to permit the stud to be rotated relative to said sleeve to shift said nut axially with respect to said stud, said means adapted to be locked against relative rotation with respect to said head.

2,385,181

SYSTEM OF ELECTRIC DISTRIBUTION
Arvid E. Anderson, Haverford Township, Delaware County, Pa., assignor to General Electric Company, a corporation of New York
Application March 31, 1943, Serial No. 481,318
13 Claims. (Cl. 171-118)



1. In combination, two energized alternating current circuits, adjustable transforming means for varying the magnitude of the voltage at a predetermined point of one of said circuits and for varying the phase relation between said voltage and a voltage at a predetermined point of the other circuit, and means controlled by said voltages for automatically adjusting said transforming means so as to establish a predetermined magnitude and phase relation between said voltages.

2,385,182 MANUFACTURE AND APPLICATION OF SYNTHETIC RUBBERLIKE MATERIALS

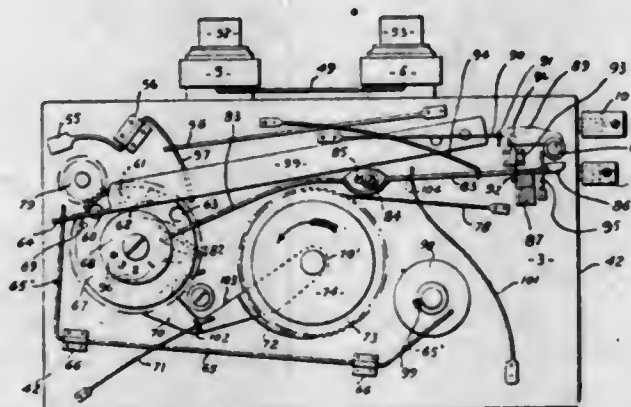
James Gordon Anderson, Trowbridge, and Rowland Hill and Leslie Budworth Morgan, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application May 18, 1939, Serial No. 274,432. In Great Britain May 18, 1938
10 Claims. (Cl. 260-84.5)

1. Process for the manufacture of synthetic, rubber-like materials which comprises polymerizing a mixture of a saponifiable derivative of alpha-chloroacrylic acid and a member of the group consisting of butadiene-1,3, methyl derivatives of butadiene-1,3, dimethyl derivatives of butadiene-1,3, 2-chlorobutadiene-1,3, methyl derivatives of 2-chlorobutadiene-1,3, and dimethyl derivatives of 2-chlorobutadiene-1,3.

2,385,183

STEREOSCOPIC PHOTOGRAPHY
Franklin H. Avers and Edward C. Krebs, Portage, Wis., assignors to George P. Krebs, as trustee
Application June 6, 1942, Serial No. 446,048
5 Claims. (Cl. 95-18)

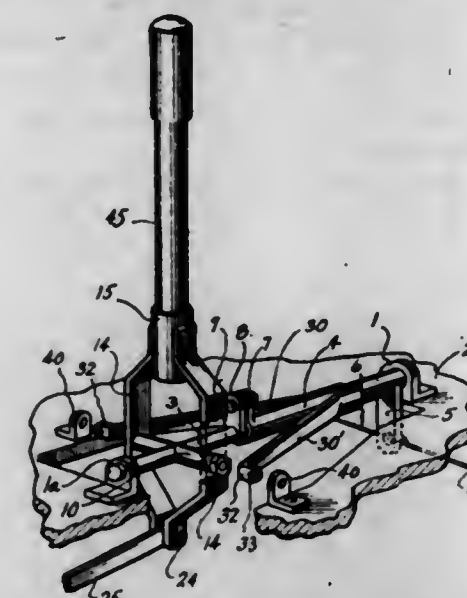


1. A twin-lens stereo camera comprising, in combination, a housing, a frame within said housing for containing and supporting an exposure chamber provided with a pair of apertures in register with the lens-mountings spaced at normal interocular distance, a film-track running lengthwise through said exposure chamber and adapted to permit passage therethrough of a cinema ribbon film; means for guiding said film, including sprocket-wheels for engaging the perforations at the margin of the film; a spool for feeding the film through the exposure chamber and to a rotatable take-up spool for collecting and storing the film, after passage through the exposure chamber, and adapted to exert traction upon the ribbon film; means for intermittently limiting the forward movement of the film, including a cog-wheel set to revolve in unison with one of the sprocket-wheels as the film passes thereover, said cog-wheel being in spur-gear with a master cog-wheel which latter is provided upon its flat disc body with a series of four openings in arcuate alignment with the rim of the said wheel and being distanced from each other in a spacial ratio of 1:1:1:5 to the point of beginning, such openings being adapted to engage successively with a lock-pin under action of a pressure member normally set to force the said lock-pin into one of the said openings as each passes successively thereunder; means for raising such lock-pin out of locking engagement with the master cog-wheel, including a lever member actuated from without by manipulation of a protruding handle, the said handle being slidably splined within the axis of the take-up spool and adapted to be moved upwardly to act upon said lever member for releasing the said lock-pin from its then

engagement and thereafter to impart a winding movement to the take-up spool until the latter has taken up sufficient more film to effect rotation of the master cog-wheel and until said lock-pin is again forced into engagement therewith; automatic means for locking the shutter trigger after each depression including a stop-lug adapted to be drawn under the trigger by a light pressure member as the trigger returns to normal operative position, and reciprocal means for unlocking and resetting the shutter trigger including a lever member longitudinally shiftable upon its fulcrum interacting between the shutter operating mechanism and the master cog-wheel, and having mounted thereon the shutter-trigger stop-lug at one end and adapted at the other end to slip into and out of engagement with studs on the master cog-wheel adapted to act upon the slidable lever to withdraw the stop-lug from the shutter operating mechanism concurrently with the advancement of new film into exposure position; externally visible caution signals comprising indicia mounted upon the slidable lever near the end carrying the shutter-stop lug and movable in unison therewith; externally visible signal means to indicate the number of the pair of film frames in situ comprising markings upon the upper aspect of the master cog-wheel and serially presented to view with the progressive rotation thereof; and means for indicating the total amount of film consumed including an externally visible scale caused to register by a pawl actuated by the successive revolutions of the master cog-wheel.

2,385,184

**MOUNTING FOR INTERCHANGEABLE
STICKS AND WHEELS**
Theodore C. Barber, Seattle, Wash.
Application February 19, 1943, Serial No. 476,406
3 Claims. (Cl. 244-83)



1. In a mounting for interchangeable use of a joystick or stick-steering wheel-cable assembly, a floor, a shaft rotatably supported along the floor in a forward and rearward direction, a cross head fixed on the shaft, a yoke mounted by the cross head to oscillate on an axis at right angles to the shaft axis, and whereby the shaft may be axially rotated in opposite directions, means on the yoke for its operative connection with stabilizer control means, a sleeve rotatably fitted to the shaft having means thereon for its operative connection with aileron controls, arms extended from the sleeve along opposite sides of the shaft into alignment with the yoke axis for the rotatable actuation of the shaft by a steering wheel assembly, brackets fixed to the floor at opposite sides of the shaft and aligned with the crosshead for mounting a steering wheel assembly for forward and rearward oscillation, a socket

mounted by the yoke to receive a joystick or the stick of a steering wheel assembly, and means securing the sleeve against turning on the shaft when the joystick is used and releasable to permit turning of the shaft by the stick and steering wheel assembly when the latter is used and its cables connected with said arms.

2,385,185

**PROCESS FOR THE MANUFACTURE OF
VAT DYES FROM BIS-(9:9'-ANTHRONYLI-
DENE)-ETHANE**

John Woolley Batty and David Alexander Whyte Fairweather, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application July 18, 1942, Serial No. 451,504. In Great Britain August 1, 1941
3 Claims. (Cl. 260-351)

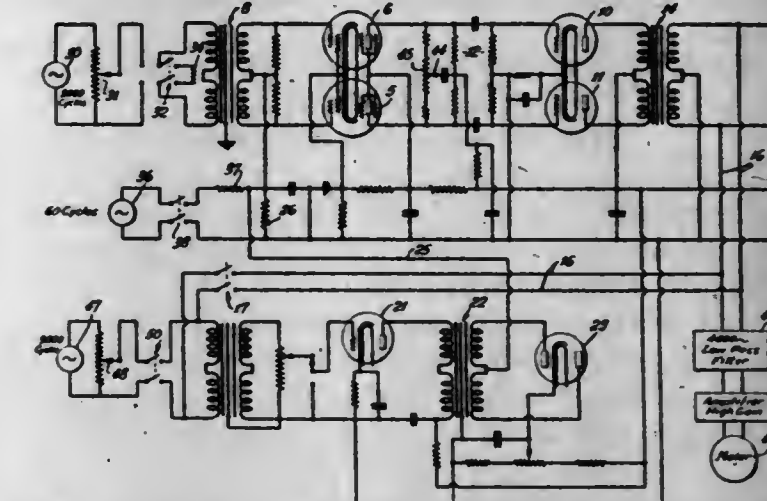
1. In the process for the manufacture of vat dyes wherein $\alpha\beta$ -bis-(9:9'-anthronylidene)-ethane is reacted in a solvent of the class consisting of nitrobenzene and nitrotoluene with a compound of the class consisting of carboxylic acid chlorides and carboxylic acid anhydrides which are not inner anhydrides, the step which comprises carrying out the reaction in the presence of an acid of the group consisting of sulfuric acid and sulphamic acid.

2,385,186

**TEST METHOD AND SYSTEM FOR VARIABLE
GAIN AMPLIFIERS**

James W. Bayless, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware

Application June 26, 1942, Serial No. 448,576
12 Claims. (Cl. 179-175.31)



1. In a test system for a push-pull variable gain amplifier, the combination of a pair of vacuum tubes in push-pull relationship, means for applying a relatively low cyclic voltage variation to the gain control electrodes of said tubes in phase to simultaneously vary the voltages on said electrodes in the same direction, means for applying a relatively high frequency voltage variation to the control grids of said tubes in phase opposition to simultaneously vary the voltage on said electrodes in opposite directions, and means for measuring the amount of said in-phase voltage introduced in the output circuit of said variable gain amplifier during said voltage variations.

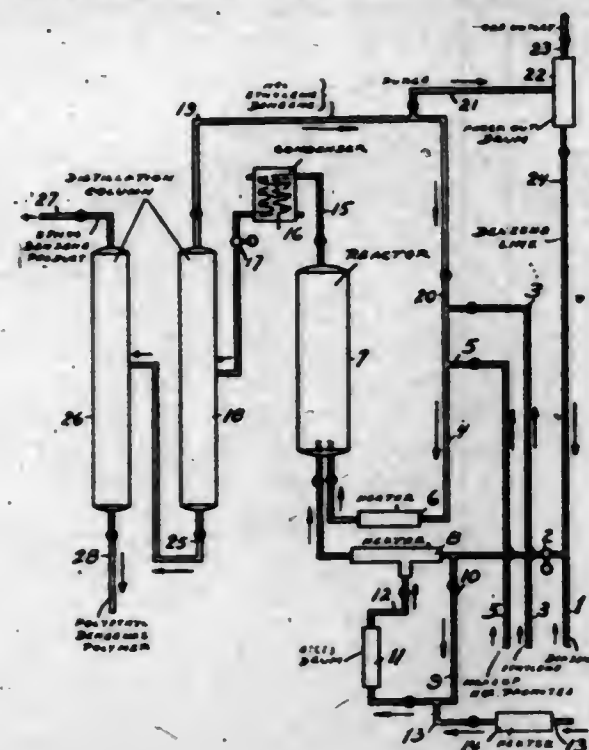
2,385,187

SYNTHESIS OF ETHYL BENZENE
Forrest H. Blanding, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application August 22, 1942, Serial No. 455,702
3 Claims. (Cl. 260-671)

3. The process of ethylizing benzene which comprises contacting liquid benzene maintained

below its boiling point with aluminum chloride, heating the benzene with the dissolved aluminum chloride at a temperature between 275° F. and 350° F., at a pressure not over 5 pounds per square inch, and contacting the hot benzene with the



dissolved aluminum chloride, hydrogen chloride and ethylene with a catalyst mass consisting of 8% to 15% of aluminum chloride by weight of the catalyst mass impregnated on a highly absorbent carrier substance.

2,385,188

PROCESS FOR MAKING ALKALI METAL FERRIC PYROPHOSPHATE

Charles F. Booth, Anniston, Ala., assignor to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Application June 26, 1943,

Serial No. 492,420

15 Claims. (Cl. 23-107)

13. The process for producing sodium ferric pyrophosphate which comprises preparing an aqueous solution containing 10 to 40 per cent by weight of tetrasodium pyrophosphate, treating this solution with sulfur dioxide in amount to lower the pH to within the range of from 9.0 to 9.5, and then mixing said treated solution with an aqueous solution of ferric chloride containing about 10 per cent by weight of Fe.

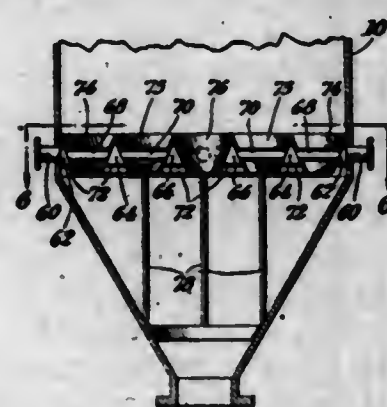
2,385,189

CATALYTIC REACTOR

Vernon O. Bowles, Dobbs Ferry, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware

Application October 31, 1941, Serial No. 417,360

6 Claims. (Cl. 23-288)



3. In combination with a reaction chamber, means for continuously passing a solid catalyst in a divided state into said chamber and down-

wardly therethrough and outwardly from the chamber, means to seal said chamber against leakage in such passage of the catalyst, distributing means for vaporous reactants within said chamber and comprising annular members constructed and arranged to define a plurality of spaced annular horizontal conduits concentric with respect to a common vertical axis and formed to provide said conduits with sloping outer surfaces arranged to shed the catalyst past the conduits, each of said conduits having an annular bottom wall apertured therearound for restricted and distributed downward discharge of vapor from the conduit, and means for introducing the vaporous reactants into said conduits for distributed flow around the conduits and distributed downward discharge through the apertures of the said bottom walls of the conduits and for upward flow of the so-discharged reactants past the conduits and in countercurrent contact with the catalyst descending within the chamber.

2,385,190

POLYMERIZATION OF CONJUGATED DIENE HYDROCARBONS

George L. Browning, Jr., Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York

No Drawing. Application February 7, 1941,

Serial No. 377,837

9 Claims. (Cl. 260-84.5)

1. The method which comprises polymerizing a conjugated butadiene hydrocarbon in an aqueous emulsion in the presence of a small amount of a tetra-alkyl thiuram sulfide in which the alkyl groups contain a total of at least 12 carbon atoms.

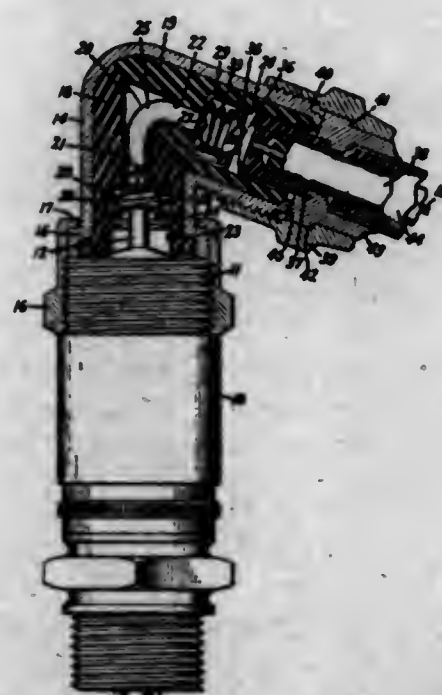
2,385,191

ELECTRICAL CONNECTOR

Henry E. Brunelle, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 31, 1942, Serial No. 470,760

4 Claims. (Cl. 174-35)



1. An elbow connector for an ignition system having a pair of arms extending at an angle to each other and including an outer shield of electrically conductive material about said arms, a lining of insulating material arranged within said outer shield and having a central opening therein, a resilient terminal member arranged in each end of said central opening in said insulating

lining including a cup-shaped member of electrically conductive material, means including an electrical conductor extending through said central opening in said insulating lining secured to each of said cup-shaped members for securing said cup-shaped members in position and for electrically connecting together said cup-shaped members, a contact cap axially slidable within said cup-shaped member, means for retaining said contact cap in said cup-shaped member, a compression coil spring within said cup-shaped member arranged to bias said cap outwardly of said cup-shaped member, said cup-shaped member providing a shield about said spring for minimizing the external inductive effect of electric current through said spring, and means for electrically connecting said outer shield to cooperating shields of other system members at each end of said connector.

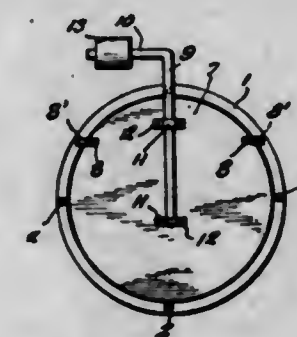
2,385,192

DRAFT CONTROL

Charles C. Buren, Yakima, Wash.

Application March 22, 1944, Serial No. 527,612

1 Claim. (Cl. 236-45)



In combination with the chimney flue pipe of a furnace, a draft control comprising a thimble extending laterally from said pipe, a disc-like damper pivot means mounting said damper on the outer end of said thimble for swinging movement about an eccentric horizontal axis into opening position and overbalanced to normally assume closing position, and means on said damper for variably counterbalancing the same comprising a right angled rod including a stem and a lateral arm at the upper end of the stem, means rotatably mounting said stem on said damper in the vertical center thereof to extend above the same, said mounting means frictionally locking the stem against rotation, and a counterweight on said arm.

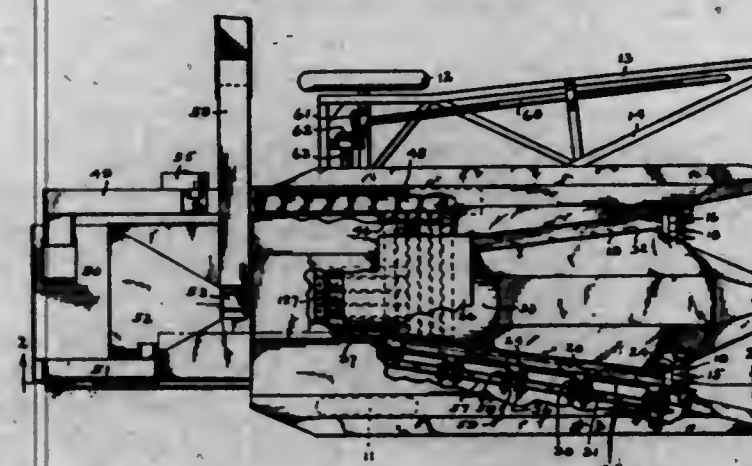
2,385,193

CORN AND STALK HARVESTER

Kermit H. Burgin, near Whitestown, Ind.

Application July 28, 1941, Serial No. 404,270

2 Claims. (Cl. 56-66)



1. In a corn harvesting machine, the combination with stalk severing means, of conveying

belt means spaced above the severing means to engage opposing sides of corn stalks; conveying belt means spaced below said engaging means to engage lower portions of the corn stalks; said first engaging means extending forwardly of the second and lower engaging means; and means driving said first engaging means at a slower rate of speed than that of said second engaging means; whereby a severed corn stalk is tilted forwardly while engaged and held by both of said engaging means and conveyed therebetween; each of said upper and lower conveying means comprising a pair of opposing belts; and means permitting one belt in each pair to retract yieldingly between ends thereof to provide yielding gripping of the corn stalks between the belts of each of said pairs, said means comprising spaced apart rollers individually spring pressed against the stalk gripping sections of the belts whereby localized zones of those sections may retract independently of other zones thereof.

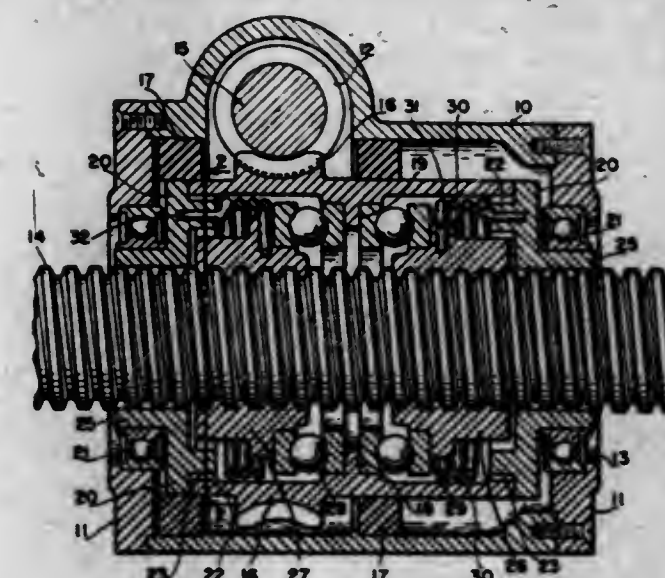
2,385,194

DEVICE FOR ELIMINATING BACKLASH

George A. Carroll, Glendale, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.

Application July 31, 1944, Serial No. 547,504

13 Claims. (Cl. 74-441)



1. A mechanism of the character described comprising two elements related for relative rotation, one a screw, the other a unit around the screw, abutments on the unit, nuts having threaded engagement with the screw, a separate lost motion driving connection between the unit and each nut, whereby rotation of one element relative to the other in either direction will produce advancement of the other element, spring means for urging one nut to turn in one direction to thrust against an abutment, and spring means for urging the other nut to turn in the other direction to thrust against the other abutment, the lost motion connections allowing one nut to remain in thrust engagement with its respective abutment by the action of its spring means while the other nut cooperates with the screw to cause relative axial movement between the elements.

2,385,195

DISPENSING ATTACHMENT FOR CONTAINERS

Joseph B. Clower, Woodstock, Va.

Application March 19, 1943, Serial No. 479,791

4 Claims. (Cl. 222-456)

1. A dispensing attachment for a container such as a bottle or jar comprising a cap including a dome attachable at its bottom to the mouth

of the container, a spud projecting obliquely downwardly from the dome and having a bore communicating therewith, and a measuring tube having an openable closure at its lower end and attachable at its upper end to the lower end of the spud and adapted when so attached to have a portion of its upper edge extending into the

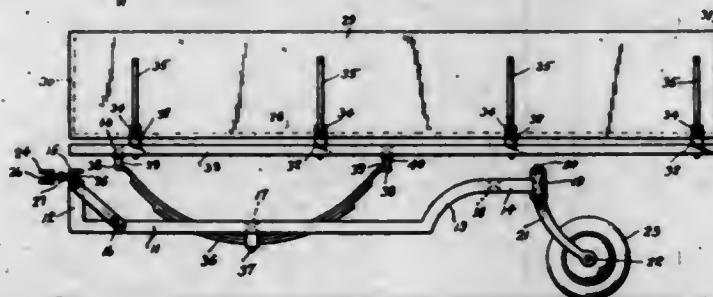


bore of the spud at least as far as the junction of the spud and dome, whereby when material is moved from the container into the tube and leveled therein with the container upright the contents of the attachment will be wholly within the tube with the surface of such contents located below the level of the joint between the bore of the tube and the bore of the spud.

2,385,196

PICKUP TRUCK

Benjamin A. Diesel, Los Angeles, Calif.
Application March 2, 1944, Serial No. 524,749
5 Claims. (Cl. 280-33.4)



1. A trailer truck comprising a chassis made up of parallel side bars, cross bars connecting the side bars at points to either side of the transverse centers thereof, ground wheels journaled in the rear ends of the side bars, a draft coupling bar connecting the front ends of the side bars, semi-elliptic leaf springs secured at their centers to the cross bar located forwardly of the transverse centers of the side bars, and a body supported on the springs with its front end disposed in the plane of the front end of the chassis and its rear end extending beyond the ground wheels, with the side bars having elevated end portions disposed in a common plane for the support of the body from the central portions intermediate the elevated end portions, so that the body is disposed substantially in the plane of a loading compartment of an automotive pickup truck to which the trailer truck is adapted to be coupled.

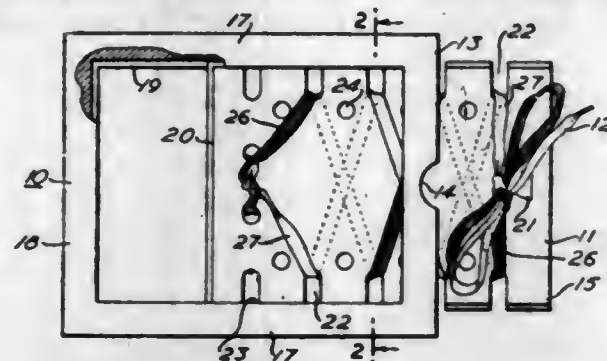
2,385,197

EDUCATIONAL TOY

Vernon G. Eisler, New York, N. Y.
Application April 19, 1944, Serial No. 531,803
10 Claims. (Cl. 35-1)

1. A lacing toy comprising a frame and cooperating means having slots extending inwardly

from its edges, whereby when the means is framed the slots form parts of eyelets for laces,

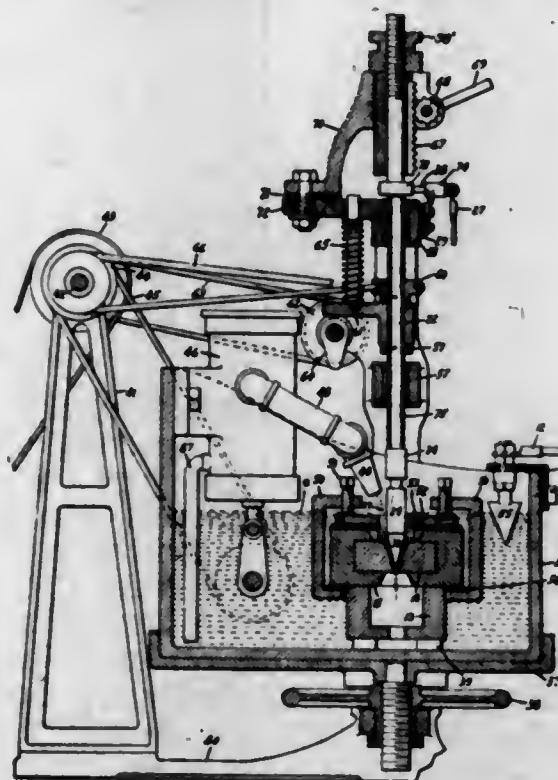


said means being at least partially removable from said frame.

2,385,198

METHOD FOR FORMING DRAWING HOLES IN CARBIDE DIE NIBS

Edgar W. Engle, Pleasant Ridge, Mich., assignor to Carboloy Company, Inc., Detroit, Mich., a corporation of New York
Application February 6, 1942, Serial No. 429,796
9 Claims. (Cl. 204-130)



2. The method of forming a drawing hole in a die nib which comprises electrolytically and mechanically removing material from a sintered carbide nib by simultaneously forcing an electrically conductive needle against abrasive particles between the needle and nib, moving the surfaces of a working portion of the needle relative to adjacent surfaces of the nib to induce abrasion of the latter, and maintaining a supply of an alkaline electrolyte at the adjacent portions of the needle and nib while anodically treating said nib in said electrolyte.

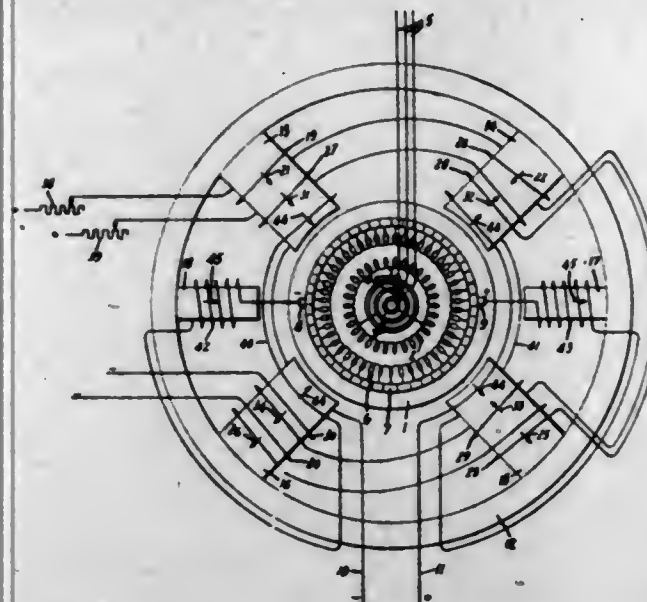
2,385,199

DYNAMOELECTRIC MACHINE

Alec Fisher, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application December 8, 1944, Serial No. 567,209
11 Claims. (Cl. 171-223)

1. A dynamoelectric machine for generating alternating current and direct current including a rotatable member having a direct current armature winding and a commutator connected thereto and an alternating current rotor winding with collector rings connected thereto, and a stationary member having means for magnetically field exciting said stationary member

arranged to provide a resultant component pair of magnetic field poles thereto for exciting said direct current armature winding, and means for providing a second component of excitation to said stationary member for providing two component pairs of magnetic field poles providing a

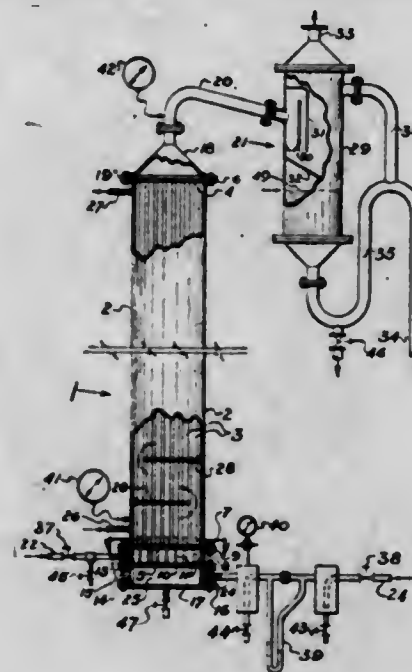


component of magnetic excitation cumulative with said first-mentioned field excitation to alternate poles of said second field poles and a component of magnetic excitation differential with said first-mentioned field excitation to the other of said second field poles for exciting said alternating current rotor winding.

2,385,200

METHODS AND APPARATUS FOR REACTING GASES WITH LIQUIDS

Howard H. Friedel, Niagara Falls, N. Y., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York
Application June 25, 1942, Serial No. 448,420
6 Claims. (Cl. 260-660)



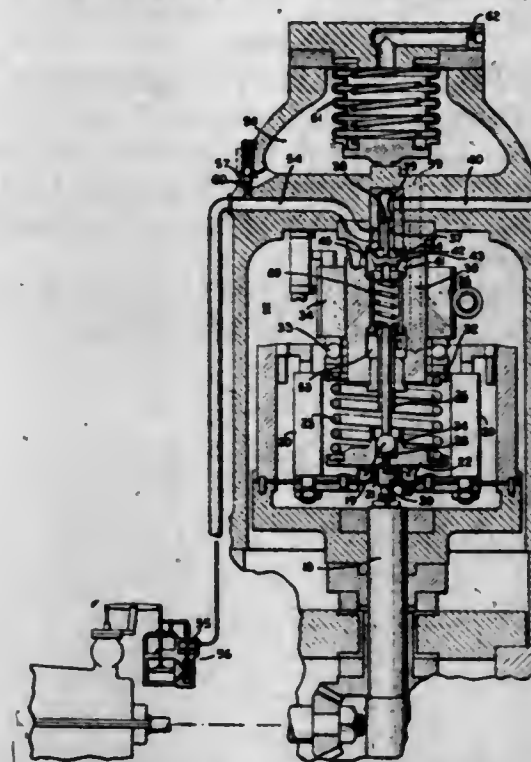
1. The process for reacting a gaseous with a liquid reagent to produce a gaseous product and a liquid product having foaming characteristics which comprises introducing the gaseous reagent in the form of a jet upwardly directed at the bottom of and substantially co-axially with respect to an elongated column reactor open at its top but otherwise closed except for an annular space around the jet and having an internal diameter of one-half inch to three inches and a height of ten to sixteen feet, and introducing the liquid reagent into the annular space, while regulating the velocity of the jet and admission of the liquid reagent, and at the same time controlling the temperature of the materials within the column by heat transfer to cooling liquid

through the walls thereof, to cause foaming reaction within the column and discharge of the resulting foam out at its top into a separator; allowing the foam to stand and break down and recovering the liquid product from the gases associated therewith.

2,385,201

GOVERNOR APPARATUS

Manious Gottlieb, Philadelphia, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 26, 1943, Serial No. 488,590
4 Claims. (Cl. 137-140)



1. In governing apparatus, means providing a transformed liquid pressure space having an escape port, a valve body including a cup valve cooperating with the first means to provide an escape orifice for the port, means providing a compensating chamber, said valve body having a pressure area exposed to the interior of the compensating chamber and which is disposed in opposed relation to the pressure area provided by the cup valve, a passage connecting the transformed pressure space and said compensator chamber, means providing an orifice in said passage, an accumulator communicating with the passage between the orifice and the compensator chamber, a thrust rod, a spring acting on the valve body and thrust rod to maintain a predetermined distended relation thereof, valve means opened in response to movement of the thrust rod relative to the body to provide a by-pass for the compensating chamber, a thrust member in thrust-transmitting engagement with the thrust rod, means for developing and applying thrusts to the thrust member including flyweights subject to centrifugal force and a load spring, and a movable member for varying the loading of the load spring.

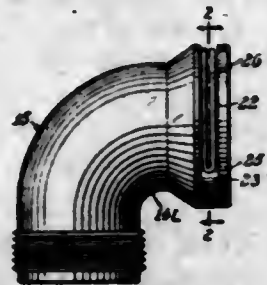
2,385,202

SPRING CLASP FOR SPLIT CYLINDERS

Sidney V. Haas, Jr., and Kenith G. Strunk, East Orange, N. J., assignors to Breeze Corporations, Inc., Newark, N. J., a corporation of New Jersey
Application August 11, 1944, Serial No. 549,053
5 Claims. (Cl. 285-211)

1. In a device for clamping the parts of a cylinder split along its median plane, a circumferential groove in said cylinder, a pair of opposed transverse bearings leading outwardly from said groove in one part of the cylinder, a spring part bent to form a close bowed loop fitting more

than one half the length of said groove over the split portions of the cylinder, and pintles extending



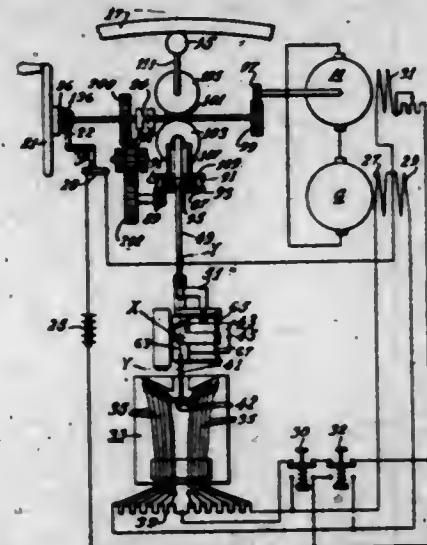
ing at right angles from the free ends of said loop to engage in said bearings in the manner of a hinge.

2,385,203

ELECTRIC TURRET TRAVERSE

Clinton R. Hanna, Pittsburgh, and Stanley J. Mikina and Lawrence B. Lynn, Wilkensburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 27, 1941, Serial No. 412,612
36 Claims. (Cl. 172-239)



16. A follow-up control system comprising, in combination, a movable pilot member, a follow-up member, a reversing motor for driving the follow-up member, means including a movable member for controlling the input of energy medium to the motor to operate the latter in opposite directions, a pair of elements movable with the pilot member and with the follow-up member, respectively, and having a normal relative positional relation, a gyro which moves about its precession axis in response to the velocity of deviation in said positional relation of said elements, and means responsive to movement of the gyro about its precession axis for moving the movable member of said control means.

17. The combination as recited in claim 16 with biasing means acting on the gyro about its precession axis in opposite directions with force which increases as movements about the precession axis in opposite directions increase and means providing damping dependent upon the velocity of the gyro about the precession axis and acting on the gyro about the precession axis.

2,385,204

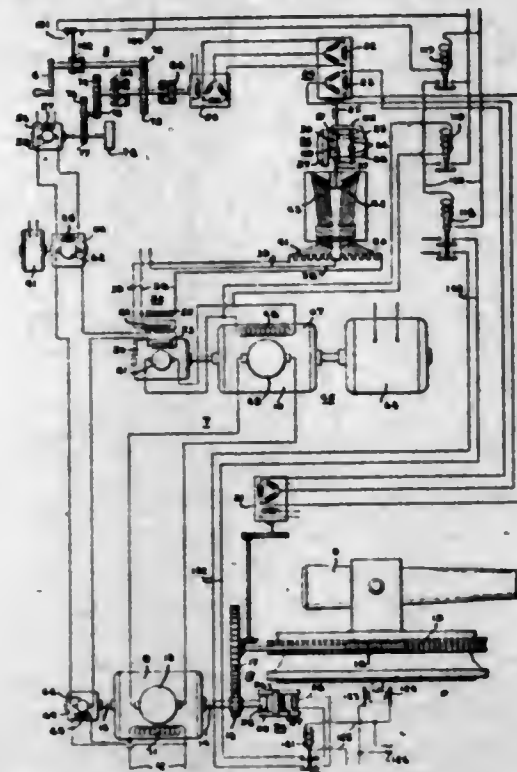
VELOCITY-COMPENSATED CONTROL MECHANISM

Clinton R. Hanna, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 2, 1943, Serial No. 508,742
19 Claims. (Cl. 172-239)

1. In combination, an input member, an output member, a position regulator for the output

member and including a reversible motor for driving the output member into positional agreement with the input member, means responsive to motion of the input member and including a gyro responsive to velocity of positional deviation

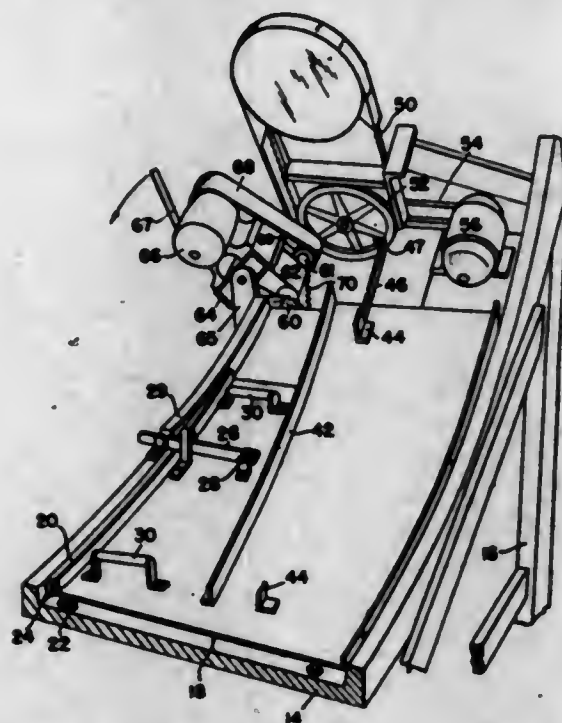


of the latter with respect to the output member to energize the motor to cause the output member to follow the input member, and means effective to energize the motor in proportion to speed of one of said members for maintaining motor speed.

2,385,205

TENONING MECHANISM

Frank Hobbs, Seattle, Wash.
Application July 3, 1943, Serial No. 493,353
1 Claim. (Cl. 143-52)



A woodworking mechanism, comprising: a fixed base having guideways thereon defining an upwardly concaved path; a wide carriage bed conforming to said path, movable in, and carried by said guideways, and having means to receive and position a workpiece thereon, said carriage when loaded or unloaded with a workpiece and when having free movement along said guideways, tending under gravitational forces to reach a position of rest at the lowest point along the path of said guideways; a latch means between said carriage and said base to retain the carriage and a workpiece when positioned thereon, in a position to one side of the low point of their travel; and means to the opposite side of said lowest

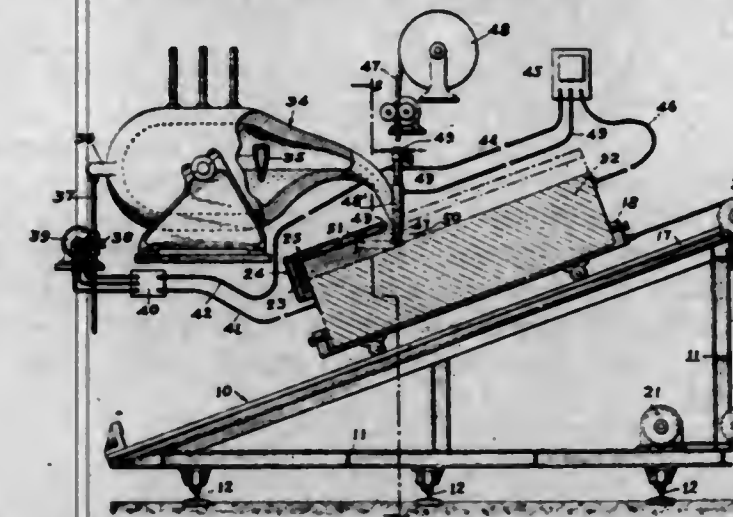
point from said latching position and in the path of the workpiece to cut the workpiece in a predetermined manner when said piece is to said opposite side.

2,385,206

METHOD AND APPARATUS FOR PRODUCING METAL BODIES

Robert K. Hopkins, New York, N. Y., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware

Application May 13, 1943, Serial No. 486,906
10 Claims. (Cl. 22-57)



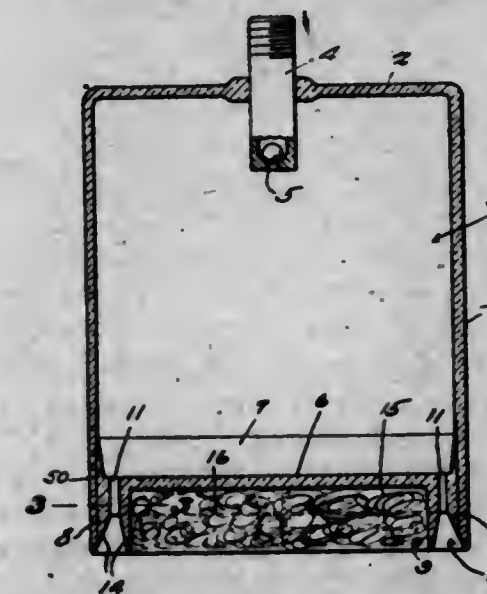
1. In apparatus for producing metal bodies, a mold including a mold space, a container for molten metal tiltable supported for pouring molten metal into the mold space, an electrode device adapted to discharge electric current through a gap between its end and the surface of the molten metal in the mold space, means for effecting relative vertical movement between the mold and the electrode device, means for tilting said container, and means in the electric circuit of said electrode device to control the operation of said tilting means to adjust the pouring rate of the molten metal as required to maintain an electric discharge of substantially constant characteristics through said gap.

2,385,207

HEMOSTAT

Oliver W. Hunn, New Philadelphia, Ohio, assignor of one-fourth to A. D. Morgan, New Philadelphia, Ohio

Application June 3, 1943, Serial No. 489,526
1 Claim. (Cl. 128-300)



In a hemostat, a hollow, closed body having a bottom and a top defining an internal suction chamber, the body being provided at its lower end with a thickened, depending marginal portion having inner and outer annular flanges defining a circumferential groove, and means carried by

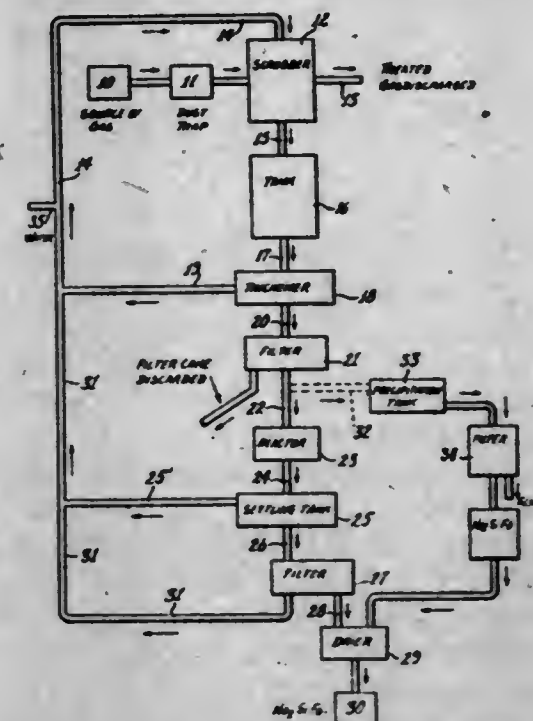
the body for exhausting air from the chamber, the walls of the grooves converging away from the lower end of the body, to promote the drawing of skin and adjacent tissue into the groove, the thickened, depending marginal portion of the bottom being provided with a plurality of apertures spaced circumferentially of the body, and establishing communication between the suction chamber and the groove, the apertures constituting means for drawing the skin and adjacent tissue into sealing relation to the apertures, and the circumferential spacing of the apertures permitting some of the apertures to be sealed as aforesaid, the other apertures remaining open until suction continues long enough to cause the skin and adjacent tissue to close them, the bottom being spaced from the lower edges of the flanges to form a compartment for a wound dressing, the bottom being thin, to give the compartment a maximum capacity.

2,385,208

PROCESS FOR RECOVERING FLUORINE COMPOUNDS

Otha C. Jones, Anniston, Ala., assignor to Monsanto Chemical Company, a corporation of Delaware

Application July 2, 1943, Serial No. 493,237
20 Claims. (Cl. 23-2)



16. A continuous process for recovering fluorine compounds from sinter gases containing the same, which comprises contacting said gases in a scrubber with a substantially saturated aqueous solution of an alkali metal silicofluoride containing a sufficient amount of fluosilicic acid to maintain the pH of the solution at a point at which no substantial hydrolysis takes place, neutralizing the resulting product with an alkali until the pH of the solution is raised to a value of 3.5 or below, separating the reaction liquor from the precipitated alkali metal silicofluoride and recycling said liquor to said scrubber.

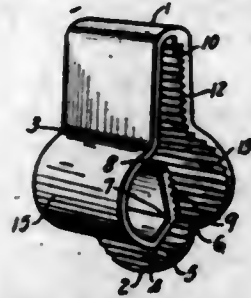
2,385,209

CLAMP

Edward F. Joyce, Kansas City, Kans.
Application April 14, 1943, Serial No. 482,959
1 Claim. (Cl. 24-259)

A clamp for attachment to a substantially flat support, said clamp being formed from a single piece of spring sheet material bent to a substantially U-shape providing leg portions, one of said leg portions having gripping teeth throughout its entire inner surface and having a shoulder at

its inner end to engage said support when the clamp is applied thereto, and a loop portion formed on the outer end of the opposite leg, said loop having a cam surface intermediate the free end thereof for engaging said support when the



clamp is to be applied thereto and the extreme inner end of the loop having teeth facing the teeth on the opposite leg for engaging said support when the clamp is finally applied to the support.

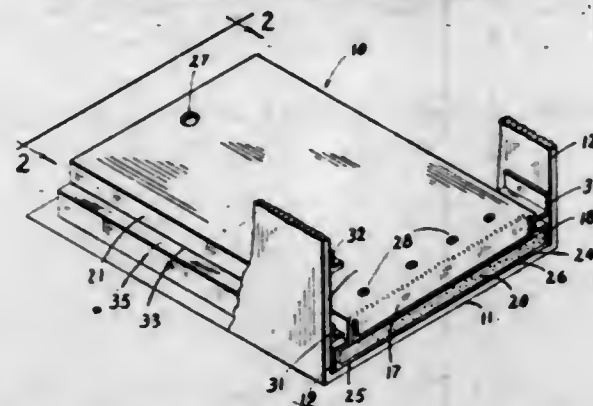
2,385,210

OVEN PLATE

Harry Kaplan, Brooklyn, N. Y.

Application May 10, 1944, Serial No. 534,893

1 Claim. (Cl. 126-22)



An oven plate adapted for placement upon an oven floor, comprising a sheet-metal casing containing a top wall, two opposite downwardly extending side sections the lower portions of which are channel-shaped with inwardly extending legs and the upper portions of which are recessed inwardly, two opposite end walls extending downwardly from the top wall, one of said end walls extending down substantially to the top of said channel-shaped portions and the other of said end walls extending down therebelow, the said top wall containing apertured means; and a wall of heat-storing material disposed within and supported by said channel-shaped portions.

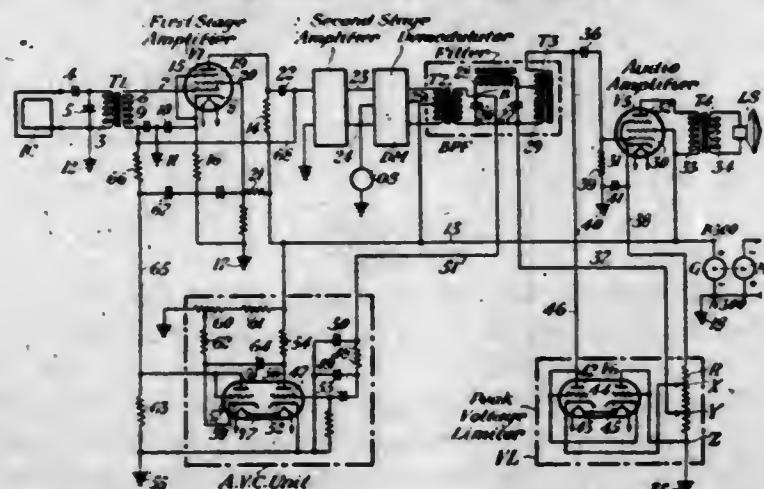
2,385,211

APPARATUS FOR COMMUNICATION SYSTEMS

William L. Konrad, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application March 26, 1943, Serial No. 480,645

7 Claims. (Cl. 250-20)



1. In communication receiving apparatus including an electron tube amplifier provided with

a grid circuit having a winding through which a communication electromotive force is applied and with a plate circuit supplied with current from a direct current source and coupled to a loud speaker, the combination comprising, a resistor interposed between the cathode of said tube and the negative terminal of said direct current source and having a first intermediate terminal connected to one terminal of said grid circuit winding to include the full resistor in said plate circuit and a portion in said grid circuit; a voltage limiter including a first and second one-way thermionic valve arranged with the anode of the first valve and the cathode of the second valve connected to the other terminal of said grid circuit winding, the anode of the second valve connected to the negative terminal of said direct current source and the cathode of the first valve connected to a second intermediate terminal of said resistor; and said first and second terminals positioned on said resistor to bias said first valve by the voltage drop derived between said second and first terminals and to bias said second valve by the voltage drop derived between said first terminal and said negative terminal.

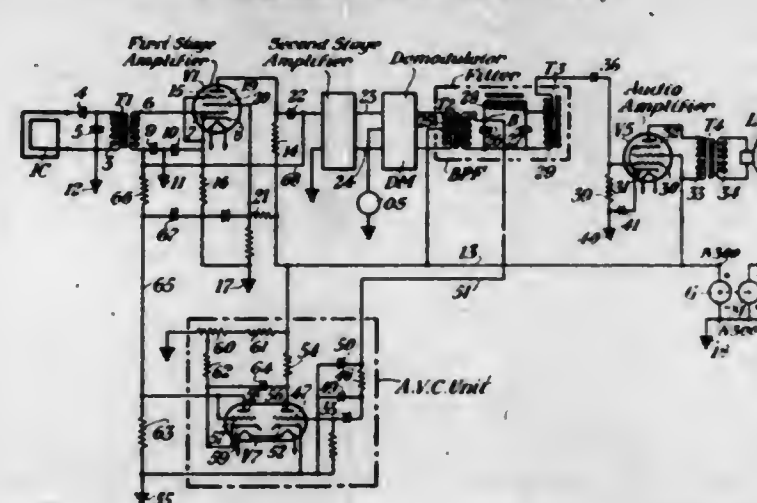
2,385,212

APPARATUS FOR COMMUNICATION SYSTEMS

William L. Konrad, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Original application March 26, 1943, Serial No. 480,645. Divided and this application March 27, 1944, Serial No. 528,228

1 Claim. (Cl. 250-20)



In an automatic volume control unit for carrier telephone current receiving apparatus having a first stage amplifier, a demodulator and a band pass filter adjusted to pass voice frequency energy of such telephone current; the combination comprising, an amplifier tube having a plate circuit including a direct current source, an additional filter, a grid circuit including said additional filter to connect a control grid of said amplifier tube to a preselected terminal of said band pass filter to create in said plate circuit an alternating voltage component directly proportional to the voice frequency energy of telephone current applied to said receiving apparatus, said additional filter to substantially suppress carrier frequency energy appearing with said voice frequency energy to assure that said alternating voltage component is substantially directly proportional to the voice frequency energy of the received telephone current, a triode rectifier having a circuit including a resistor and a source of bias voltage poled to bias the cathode of said rectifier a preselected positive voltage with respect to the plate of the rectifier, said amplifier tube plate circuit coupled to said triode rectifier circuit to create a rectified current through said resistor propor-

tional to the magnitude of said alternating voltage component over said bias voltage, and circuit means to connect said resistor to a control grid of said first stage amplifier to apply an automatic volume control voltage due to such rectified current.

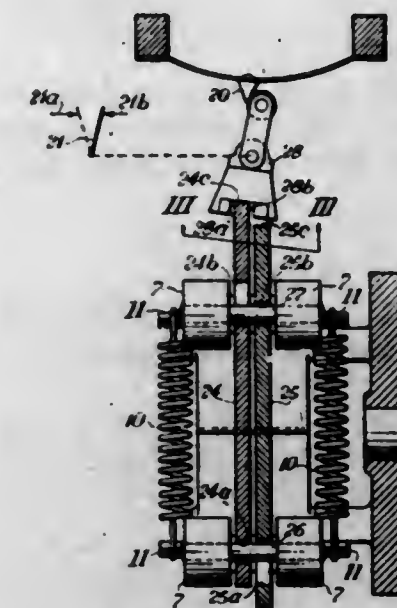
2,385,213

SPEED RESPONSIVE DEVICE

John W. Livingston, Lynbrook, N. Y., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Original application December 11, 1941, Serial No. 422,467, now Patent No. 2,338,859, dated January 11, 1944. Divided and this application September 23, 1943, Serial No. 503,513

2 Claims. (Cl. 264-15)



1. A governor comprising a rotary member which is adapted to be rotated at different speeds, a pair of centrifugal members pivotally attached to said rotary member at diametrically opposite points for movement between inner and outer positions, said members being connected together to operate in unison and being biased to their inner positions by spring means, a rocker pivotally mounted adjacent said rotary member and provided with opposed cam faces which converge from their outer ends toward the center, and two cam rods secured to said centrifugal members in such manner that one rod or the other will be moved to a position in which it will move between said cam faces in response to rotation of said rotary member according as said centrifugal members are moved to their inner or their outer positions, the parts being so proportioned that said rocker will be rotated to one position by engagement of the one cam surface with the side of said one rod in response to rotation of said rotary member when said centrifugal members occupy their inner positions and to another position by engagement of the other cam surface with the side of said other rod in response to rotation of said rotary member when said centrifugal members occupy their outer positions.

2,385,214

ELECTRIC CONTROL CIRCUIT

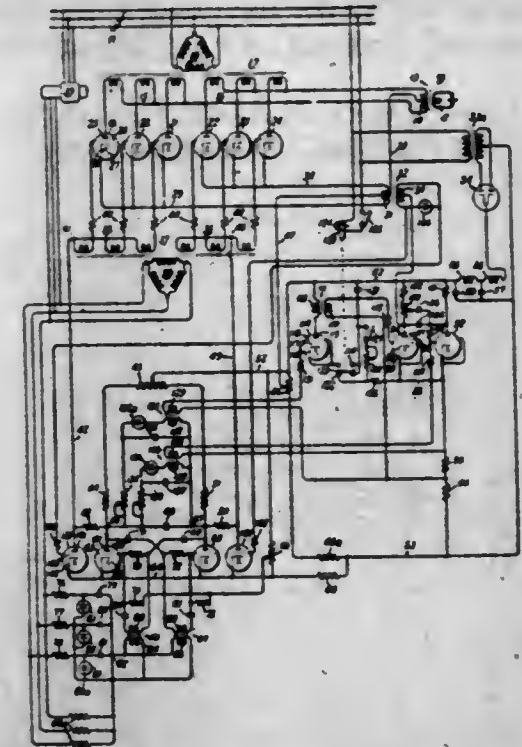
Orrin W. Livingston, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Original application April 23, 1942, Serial No. 440,159. Divided and this application September 17, 1943, Serial No. 502,834

8 Claims. (Cl. 175-363)

5. In combination, a source of direct current voltage, means energized from said source providing a point of reference potential, a pair of

parallel paths connected to be energized from said source of voltage and each including in series an electric valve and impedance means, an electric valve means associated with each of said parallel paths and each having the anode-cathode circuit thereof connected in shunt with one of said electric valves and at least a portion of one of said impedance means, means including a control circuit for energizing the control members of said electric valve means to effect periodic transfer



of current from one of said valve means to the other and thereby effect alternate energization of said impedance means to provide an output periodic voltage between a point on one of said paths and said point of reference potential, and means for controlling the conductivity of one of said first mentioned valves to maintain said output voltage after the transfer of current from the electric valve means in the path from which said output voltage is obtained.

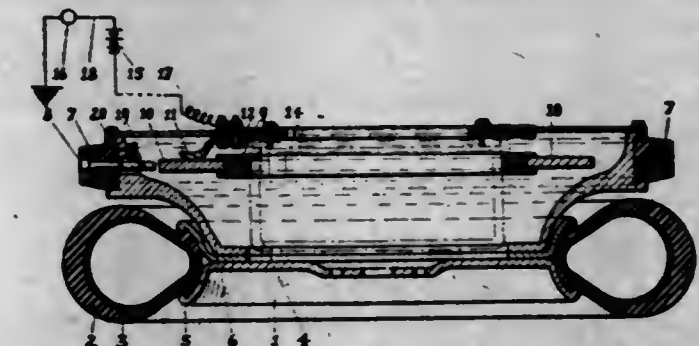
2,385,215

SAFETY WHEEL

Alex Park MacDicken, Seattle, Wash.

Application December 30, 1944, Serial No. 570,705

1 Claim. (Cl. 177-311)

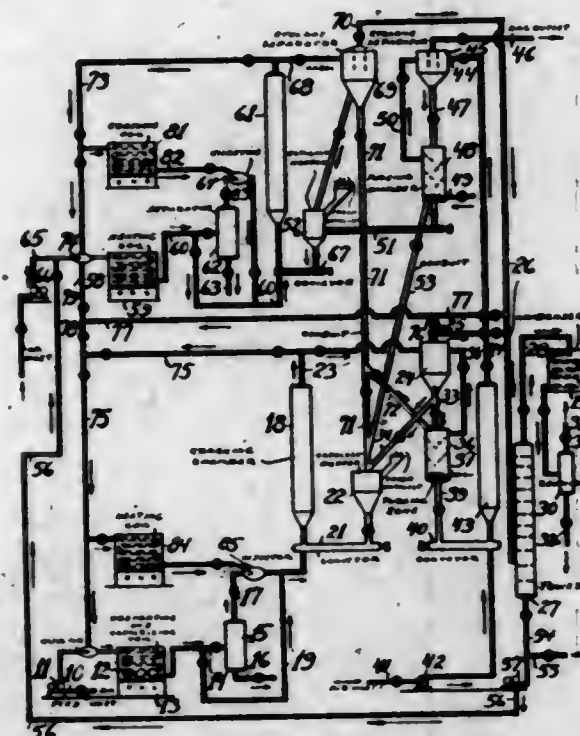


A safety wheel comprising a wheel having a pneumatic tire attached to the main rim of the wheel, a solid rubber tire whose outer diameter is smaller than that of said pneumatic tire and which is attached to a secondary rim secured to the inner side of said wheel, a ring of conductive material attached to a ring of insulating material which is carried by the rotating brake drum to which the wheel is secured, a resilient contact adapted to slide on said conductive ring and being secured to a piece of insulating material which is carried by a non-rotating part of the brake mechanism, at least one pin of conductive material radially extended through said solid rubber tire and through said secondary rim and having one of its extremities normally slightly spaced apart from the outer periphery of said conductive ring, and an electrical signal device one terminal of

which is connected to said resilient contact and which is adapted to be actuated whenever said pin touches said conductive ring, said pin and one terminal of said signal device being grounded, all substantially as described.

2,385,216

CRACKING OF HYDROCARBON OILS
Joseph V. Marancik, Roselle, and Homer Z. Martin, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application March 1, 1941, Serial No. 381,234
6 Claims. (Cl. 196—52)



4. A process for the conversion of hydrocarbon oil, which comprises heating a flowing stream of said oil, having dispersed therein finely divided catalyst particles, to a cracking temperature, introducing the resulting heated oil and dispersed catalyst as a continuous stream to one end of an elongated reaction zone and therein effecting cracking of the oil, withdrawing a continuous stream of conversion products and catalyst from the opposite end of said reaction zone, returning a portion of the last named stream to the reaction zone along with the heated oil, and separating cracked vapors and catalyst containing residue from the remaining portion.

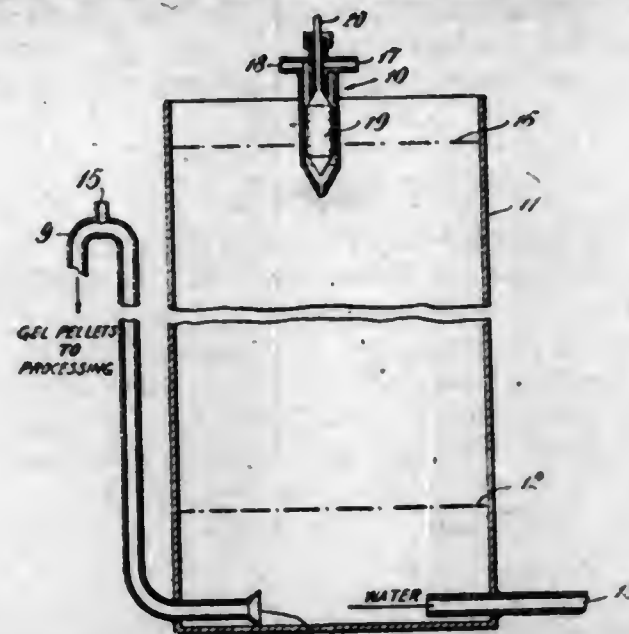
2,385,217

GEL PELLETS

Milton M. Marisc, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application October 9, 1942, Serial No. 461,454
1 Claim. (Cl. 252—317)

The process of forming spheroidal particles of inorganic oxide gel containing silica, which comprises flowing together and mixing a stream of sodium silicate and a stream of an acid solution to form a clear hydrosol free of gelatinous precipitate and capable of setting to a hydrogel without substantial change in chemical composition, immediately introducing said stream of hydrosol into a body of mineral oil overlying a body of water both maintained at a temperature below the boiling point of the sol, permitting the hydrosol to assume generally spheroidal shape and to fall as spheroidal globules through said oil body whereby spheroidal particles of hydrogel are formed in the oil and passed therefrom

through the interface into the body of water, inducing flow of water through said body of water

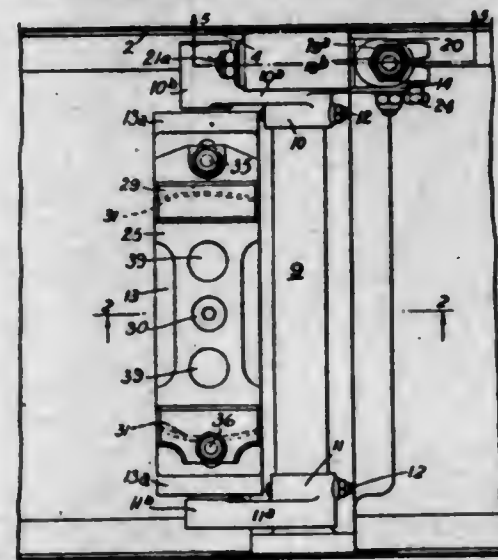


to thereby entrain and remove formed hydrogel spheroids, washing the hydrogel spheroids with water, and drying the washed spheroids.

2,385,218

ADJUSTABLE REAR MOUNTING FOR GUNS
James Martin, Higher Denham, near Uxbridge, England

Application March 4, 1944, Serial No. 525,004
In Great Britain March 9, 1943
10 Claims. (Cl. 89—37.5)



1. A rear mounting for a gun for use in aircraft and for analogous use comprising a bracket formed with laterally spaced side limbs and adapted to be fixed in a gun compartment, a transverse member journaled at its ends in said side limbs and adapted to support the weight of the gun at the breech end, a saddle supported by said transverse member in a relatively oscillatable manner, a gun guide, means to adjust said gun guide laterally relatively to said saddle and adapted to fix the gun guide in selected position, means to oscillate said transverse member to adjust the gun for elevation, and means to secure such transverse member in selected elevational position.

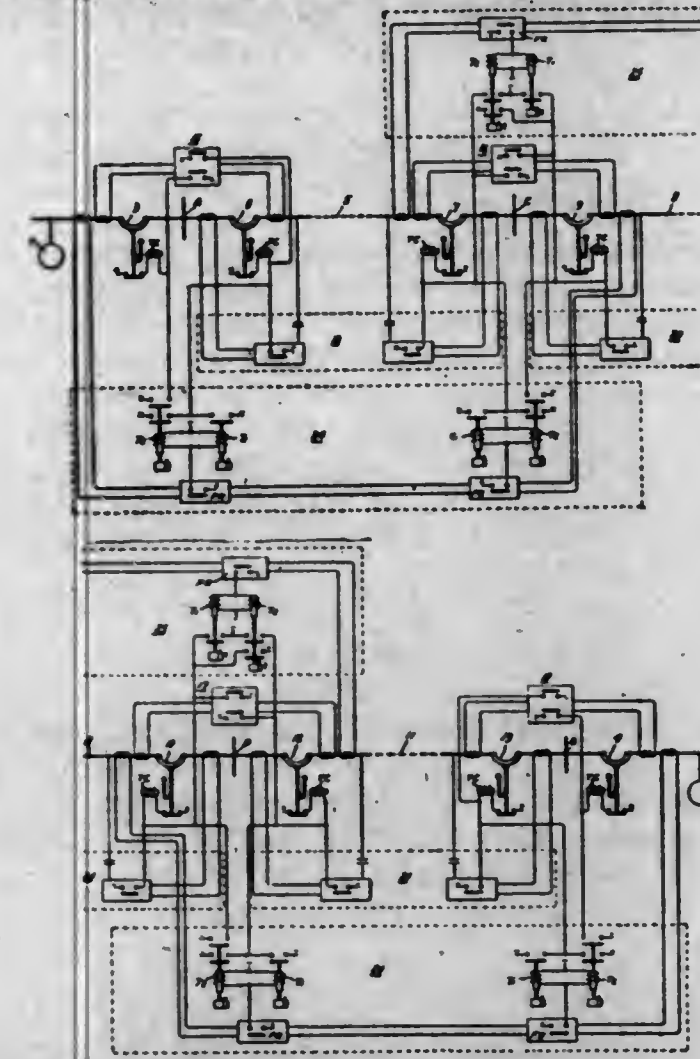
2,385,219

PROTECTION OF ELECTRIC SYSTEMS

Andrew J. McConnell, Albany, N. Y., assignor to General Electric Company, a corporation of New York
Application February 10, 1944, Serial No. 521,802
15 Claims. (Cl. 175—294)

1. In a protective arrangement for a section of a sectionalized electric system, the combination of a protective equipment responsive only to a fault on said section for normally disconnecting said section from said system, and back-up pro-

tective means responsive only to a fault on said section and the sections adjacent thereto for effecting after a predetermined time interval the

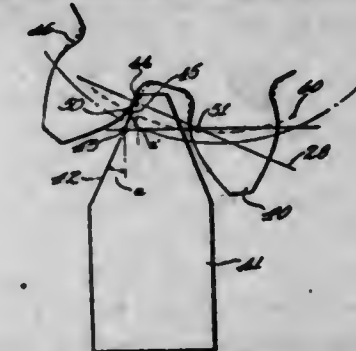


disconnection from said system of any of the adjacent sections that may be connected to said first mentioned section at the expiration of said predetermined time interval.

2,385,220

CUTTER FOR AND METHOD OF CUTTING GEARS

Frederick E. McMullen, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application June 2, 1936, Serial No. 83,118
24 Claims. (Cl. 90—5)



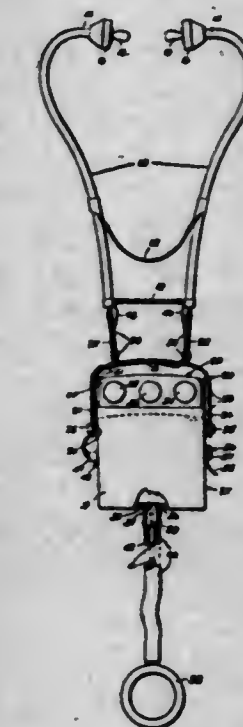
1. The method of generating a longitudinally curved tooth tapered gear which comprises employing a tool which has a side cutting edge that has two different pressure angles, the pressure angle adjacent the tip of the tool being smaller than the pressure angle along the greater portion of the height of the tool, positioning said tool in engagement with the gear to be cut so that the portion of the side-cutting edge, which is of smaller pressure angle, will cut the side of a gear tooth in the dedendum portion thereof and the portion of the side-cutting edge which is of greater pressure angle will cut the rest of the active height of the side of the gear tooth, and imparting a cutting motion to the tool while effecting a relative rolling movement between the tool and the work as though a gear, represented by the tool and having teeth whose pressure angle is equal to the pressure angle of the greater portion of the height of the tool, were rolling with the gear being cut.

9. A face-mill gear cutter for generating gears comprising a rotary head and a plurality of annularly arranged cutting blades secured thereto and extending in the direction of the axis of rotation of said head, said blades having side cutting edges thereon consisting of a top portion and a bottom portion, the bottom portion extending for the greater portion of the height of the blade and having a straight profile of positive pressure angle, and the top portion extending at a different and lesser pressure angle.

2,385,221

ELECTRICAL STETHOSCOPE

Benjamin Minsky, Allston, Mass., assignor of two-thirds to Aaron Minsky, Allston, Mass.
Application March 4, 1944, Serial No. 525,053
4 Claims. (Cl. 181—24)



1. An electrical stethoscope comprising, in combination, yieldingly connected ear tubes, a frame, non-metallic flexible straps by which said frame is suspended from one end of said ear tubes, an amplifier carried by said frame, an ear phone mounted on the other end of each ear tube, an ear piece projecting from each ear phone, a piezo-electric microphone, a flexible hose by which said microphone is suspended from said casing, and electrical connections passing through said ear tubes and hose, respectively, and connecting said amplifier with said ear phones, and microphone, respectively.

2,385,222

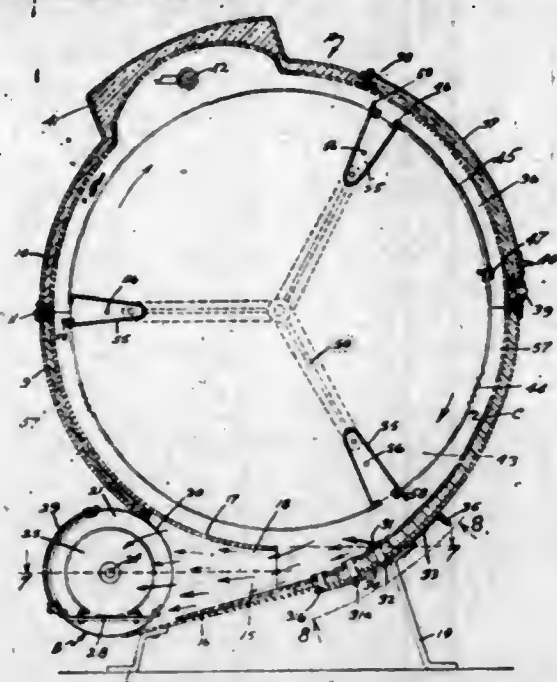
CLOTHES-DRYING MACHINE

James R. Moore, Minneapolis, Minn., assignor, by mesne assignments, to Stanley G. Harwood, Minneapolis, Minn.
Continuation of application Serial No. 76,047, April 23, 1936. This application November 29, 1937, Serial No. 177,123.

7 Claims. (Cl. 34—140)

1. A drier of the character described comprising a housing having a chamber with a bottom opening, means for heating the chamber, a perforate drum rotatably mounted in the chamber for containing and tumbling the articles to be dried while subjected to the heat of such chamber, and means for directing a continuous current of air toward and transversely under the chamber opening to carry off moisture impelled downwardly from the articles under the tumbling action of the drum, said drum being spaced from

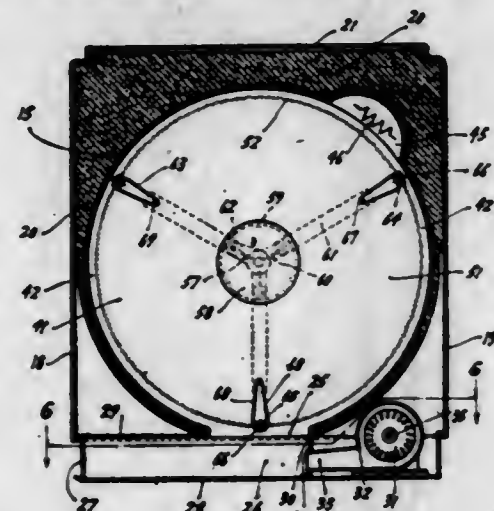
adjacent housing walls to form an annular space therebetween, and means carried on the periphery of the drum and for movement in said annular space tending to circulate vapors therein toward said carrier current.



ery of the drum and for movement in said annular space tending to circulate vapors therein toward said carrier current.

2,385,223 CLOTHES-DRYING MACHINE

James R. Moore, Minneapolis, Minn., assignor, by mesne assignments, to Stanley G. Harwood, Minneapolis, Minn.
Application October 21, 1938, Serial No. 236,189
6 Claims. (Cl. 34-133)



1. A laundry drier comprising, in combination, a chamber to receive the laundry and having an opening but otherwise closed, means for directly applying heat to the contents of the chamber, means for agitating the laundry during the course of drying, and means for producing a current of air flowing across said opening exteriorly of the chamber to force relatively dry unheated air into the chamber and to carry away moisture laden air from the chamber as it is replaced by said relatively dry air.

2,385,224 SULPHA-THIAZOLES

George Newbery, Hutton Mount, England, assignor, by mesne assignments, to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Original application May 29, 1939, Serial No. 276,416, now Patent No. 2,362,087, dated November 7, 1944. Divided and this application February 3, 1944, Serial No. 520,951. In Great Britain, Australia, Barbados, Canada, Denmark, Finland, India, New Zealand, Norway, and Sweden, June 3, 1938
7 Claims. (Cl. 260-239.6)

1. As a new chemical compound 2-(p-amino-benzenesulphonamido) - 4-methyl-5-carbethoxy-thiazole.

2,385,225 CABLE CLAMP

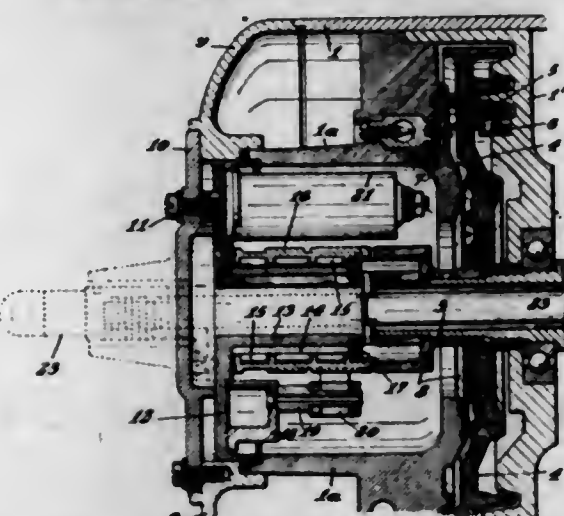
Hakon C. Nielsen, Minneapolis, Minn.
Application December 4, 1942, Serial No. 467,829
7 Claims. (Cl. 24-123)



1. A cable clamp comprising, an internally tapered socket and a wedge fitting therein, said wedge having two valleys in opposite sides thereof, which valleys, while running generally longitudinally of the wedge, slant laterally slightly in opposite directions from the true longitudinal axis of the wedge and terminate in a relatively sharp single edged bill at the forward end of the wedge, which bill is diagonally inclined relative to the sides of the wedge.

2,385,226 MAGNETO

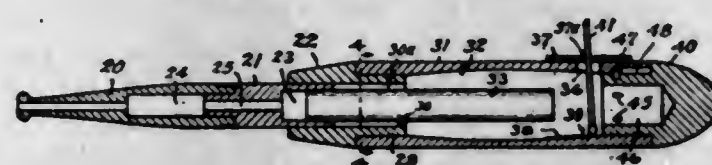
Walter Ochsenbein, Berne, Switzerland, assignor to Hasler A.-G. Werke für Telefonie und Präzisionsmechanik, Berne, Switzerland
Application May 12, 1944, Serial No. 535,358
In Switzerland June 28, 1943
3 Claims. (Cl. 171-209)



1. In combination with a magneto having a casing, a cover plate arranged on one side of said casing, a coupling sleeve fitted on the rotor shaft of the magneto, a distributor disc rigidly carried by said coupling sleeve, a support disc detachably fitted into said casing on the side of said cover plate, said support disc having a nave projecting inwardly towards said coupling sleeve, a bush upon said nave, a rotatable cam wheel arranged on said bush and being engageable by said coupling sleeve for rotation, and at least one circuit breaker lever pivotally mounted on said support disc, the whole circuit breaker apparatus being adapted to be withdrawn together with said support disc from said casing.

2,385,227 CIGARETTE HOLDER

Willie A. Olson, Port Angeles, Wash.
Application August 2, 1943, Serial No. 496,979
5 Claims. (Cl. 131-175)

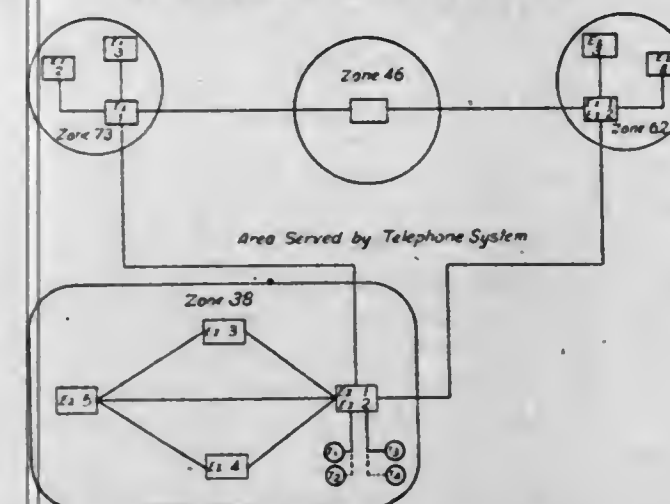


1. A cigarette holder comprising a mouthpiece; a cigarette holder member; a cigarette enveloping casing mounting member disposed upon said holder member and having circumferentially spaced openings and offset connecting grooves, as longitudinally extending grooves connected

with said openings; an enveloping casing member disposed on and mounted for angular movement as respects the said mounting member and having at one end portion, circumferentially spaced openings moveable into and out of registration with said grooves in said mounting member upon angular movement of said casing member relatively as respects said mounting member, whereby openable and closable air passageways may be formed through said openings and said grooves and light may be masked; and a cap member for said casing member.

2,385,228 TELEPHONE SYSTEM

John E. Ostline, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware
Application August 26, 1940, Serial No. 354,301
28 Claims. (Cl. 179-18)



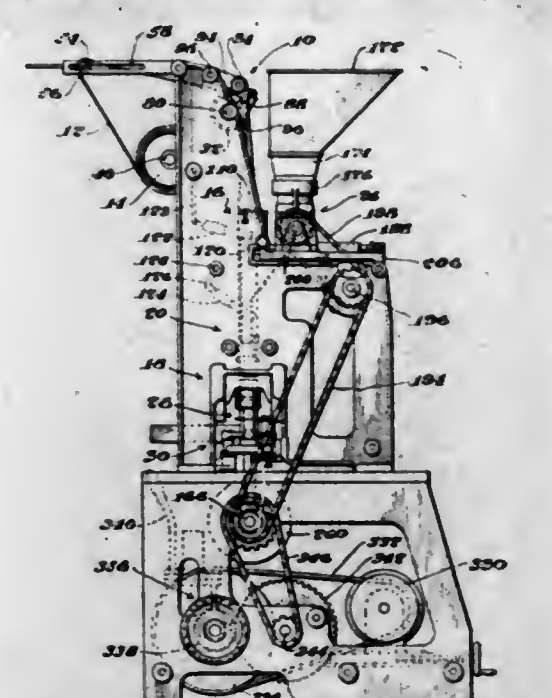
16. In a telephone system, a first exchange, a plurality of second exchanges, switching apparatus operative progressively through a number of switching stages to set up a connection between said first exchange and any one of said second exchanges, a composite register, means for operating said composite register in accordance with a series of digits transmitted thereto and designating a particular one of said second exchanges, route mechanism, means for operating said route mechanism in accordance with the operation of said composite register, thereby to cause said route mechanism to select a first choice route between said first exchange and said particular second exchange, means for operating said switching apparatus in accordance with a route selected by said route mechanism, and means controlled in the event said switching apparatus encounters a busy condition in only certain of the switching stages thereof for reoperating said route mechanism, thereby to cause said route mechanism to select a second choice route between said first exchange and said particular second exchange.

2,385,229 METHOD AND APPARATUS FOR PRODUCING BAGS

William S. Patterson, Arlington, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application October 11, 1941, Serial No. 414,640
14 Claims. (Cl. 93-3)

1. In the method of making and filling bags, the steps comprising feeding a web of bag forming material an amount in excess of that required for one bag length to form a relatively slack portion, then drawing the slack portion of the web a distance of one bag length only while folding the web longitudinally, retracting the slack portion of the web an amount equal to the excess length fed while controlling the leading end of the web to

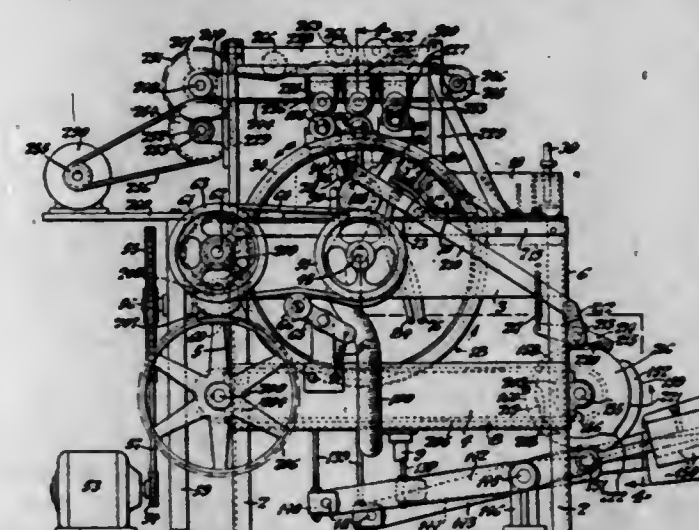
cause the web to become relatively taut, sealing the web to form a bag section open on one side.



providing the partially formed bag section with a charge of a commodity, and then sealing the open side of the bag section.

2,385,230 METHOD OF AND APPARATUS FOR FORMING TUBULAR ARTICLES

Eugene L. Perry, Bloomfield, N. J., assignor to Universal Winding Company, Boston, Mass., a corporation of Massachusetts
Application August 12, 1942, Serial No. 454,560
25 Claims. (Cl. 92-66)



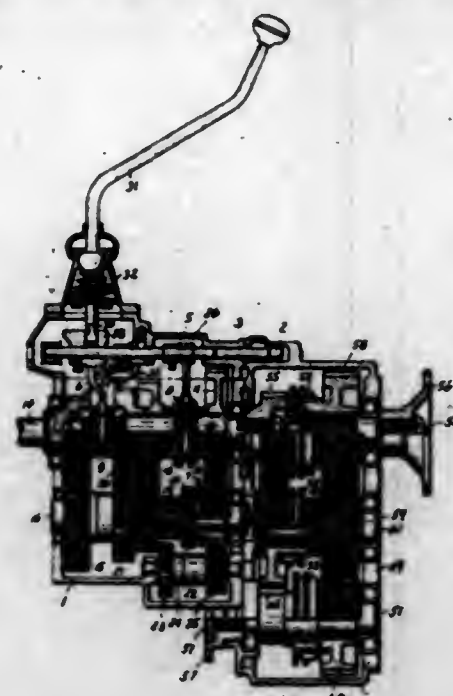
16. In an apparatus of the type indicated, a tank for fluent pulp stock having an open lateral side, a rotatable drum having a barrel movable across the open side of the tank to receive a web of pulp fed from the tank, a forming roll adapted to contact the pulp on the drum to cause the pulp to be applied to the periphery of the roll, and friction-driving means on the drum and forming roll adapted to cooperate for positively driving the forming roll from the drum whereby the peripheries of the drum and forming roll will travel at the same linear velocity.

2,385,231 GEAR SHIFTING MECHANISM

Carl D. Peterson and Elmer J. Barth, Toledo, Ohio
Original application September 30, 1942, Serial No. 460,224. Divided and this application May 30, 1944, Serial No. 537,997
7 Claims. (Cl. 74-477)

1. A gear shifting mechanism for variable speed transmission gearing including a plurality of shift rods shiftable from neutral, a selecting and shift-

ing lever for selecting any one of the rods when all are in neutral, motion transmitting means between two of the rods operable on the select-

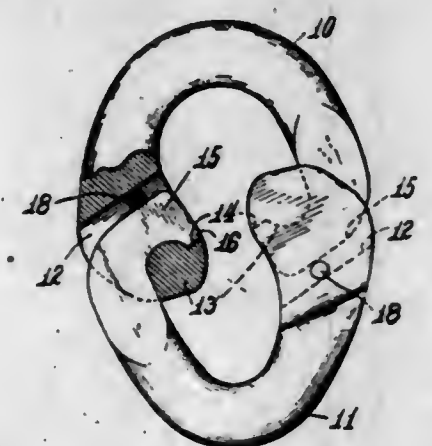


ing and shifting of one only of said two rods to shift the other of the two rods into a predetermined operative position out of neutral.

2,385,232

CHAIN LINK

William K. Robbins, Chicago, Ill.
Application July 5, 1943, Serial No. 493,512
6 Claims. (Cl. 59-85)



1. A chain link comprising two substantially U-shaped link halves having an opening extending from the outer corner of the end of one limb thereof and inwardly and around an anchoring bridge, the end of the other limb of said link half being shaped to form a hook insertable into said opening in the other link half and hooked around said bridge by first longitudinal and then combined lateral and reversed longitudinal movements in said opening; and means for locking said hook against reversed movements in said opening and in snug and non-rattling engagement with each other.

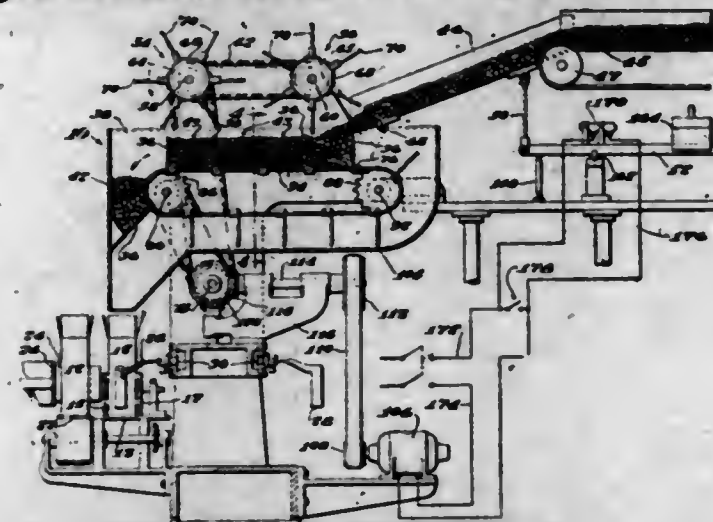
2,385,233

PACKAGING MACHINE

George A. Robinson, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application July 14, 1939, Serial No. 284,414
3 Claims. (Cl. 249-59)

3. In an automatic weighing machine of the type operating in cycles such that the machine does not start upon a new cycle until the final loading of the preceding cycle has been completed, in combination, volumetric bulk load forming means arranged to operate to form successive bulk loads at predetermined time intervals, a final loading device including a scale, con-

veying means for presenting successive containers to the bulk load forming means, and then to the final loading device, material feeding means for feeding a uniform stream of material to the bulk load forming means, said material feeding means comprising an inclined, movable conduit, counterbalancing means for supporting the conduit and the stream of material moving there-through, said counterbalancing means being arranged to cause movement of the conduit when



the weight of the material flowing therethrough falls slightly below a predetermined amount, and means actuated by movement of said conduit to stop the machine immediately upon and at the start of such movement of the conduit and while a substantial volume of material is still flowing through said conduit, whereby containers may be filled with material of a predetermined weight in a minimum of time and whereby the operation of the machine is not delayed by a prolonged filling period at the final loading device.

2,385,234

WATCHCASE

Werner Schmitz, Grenchen, Switzerland
Application July 28, 1942, Serial No. 452,629
In Switzerland March 31, 1942
1 Claim. (Cl. 58-90)



In a watch, a stem, a crown, and a watch case comprising a bezel traversed by said stem, a crystal in said bezel, packing engaged by said crown and sealing the passage of said stem through said bezel, an annular case cover hinged to said case and normally surrounding said crystal said case cover having an externally uniform rim portion, and a pocket between said rim portion and said bezel wherein said crown is substantially enclosed, the width of said pocket being such that a wall thereof presses axially on said crown to squeeze said packing.

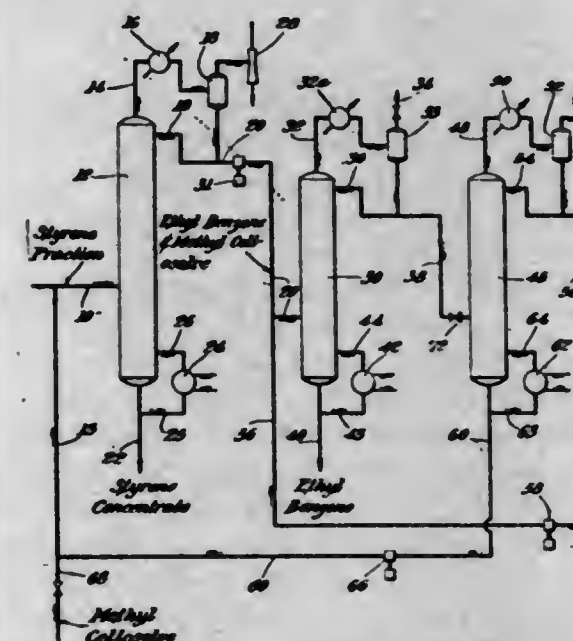
2,385,235

STYRENE DISTILLATION

Rolf E. Schneider, Jackson Heights, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application October 26, 1942, Serial No. 463,348
4 Claims. (Cl. 202-42)

1. In the method of separating styrene from a mixture thereof with close-boiling aromatic hydrocarbons primarily selected from the group consisting of ethyl benzene and the xylenes wherein the mixture is subjected to a binary azeotropic distillation in the presence of an entrainer comprising an ethylene glycol lower alkyl

ether, a styrene concentrate is removed as the bottoms stream from such distillation, and a binary azeotrope comprising the aromatic hydrocarbon and the ethylene glycol lower alkyl ether is removed as the overhead therefrom, the method of recovering the ethylene glycol lower alkyl ether from such binary azeotropic overhead, which comprises subjecting such binary azeotropic overhead to a primary binary azeotropic distillation, removing the aromatic hydrocarbon substantially free of the ethylene glycol lower alkyl ether as the bottoms stream from this primary binary distillation, removing a binary azeotrope comprising the ethylene glycol lower alkyl ether and aromatic hydrocarbon as the overhead from this primary binary distillation, subjecting this latter overhead to a secondary binary azeotropic distillation, removing a binary azeotrope comprising the aromatic hydrocarbon and ethylene



glycol lower alkyl ether as the overhead from this secondary binary distillation, maintaining the pressure on the primary binary distillation higher than that maintained on the secondary binary distillation whereby the percentage of ethylene glycol lower alkyl ether in the primary binary azeotrope is greater than that in the secondary binary azeotrope, the pressure maintained on the primary binary distillation being higher than that maintained on the styrene azeotropic distillation, returning this secondary binary azeotrope to the primary binary distillation for ultimate separation of the ethylene glycol lower alkyl ether from the aromatic hydrocarbon, removing the ethylene glycol lower alkyl ether substantially free of aromatic hydrocarbon as the bottoms stream from this secondary binary distillation, and recycling this separated ethylene glycol lower alkyl ether to the azeotropic styrene distillation for reuse therein.

2,385,236

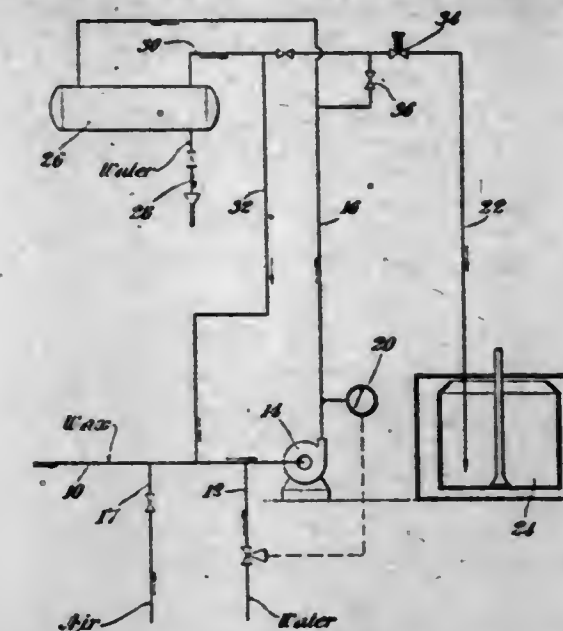
EMULSION DEOILING

August Henry Schutte, Tuckahoe, N. Y.
Application February 7, 1941, Serial No. 377,801
2 Claims. (Cl. 196-18)

1. The method of producing an emulsion of a wax-oil mixture with water, which comprises adding to said mixture, in a liquid phase of the materials thereof, the water at a lower temperature than the melting point of the wax only and in materially excess quantity thereto, for chilling and solidification of the wax by water under moderately low temperature with relation to the melting point of the wax, passing said materials and the added water through an emulsifying zone for partial emulsification thereof, passing the partial emulsion so obtained

578 O. G.-28

to a settling zone and therein separating the partial emulsion from the excess water by settling

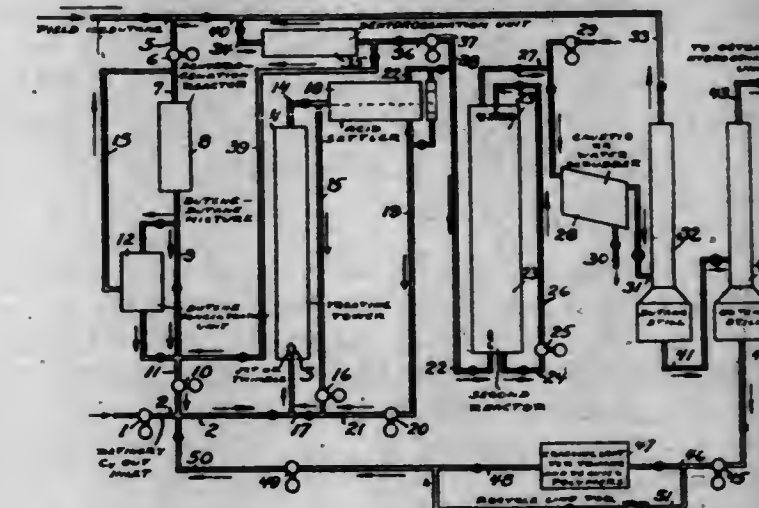


of the latter, removing the partial emulsion from said settling zone, and recycling the so-removed partial emulsion through the emulsifying zone.

2,385,237

HYDROCARBON POLYMERIZATION PROCESS

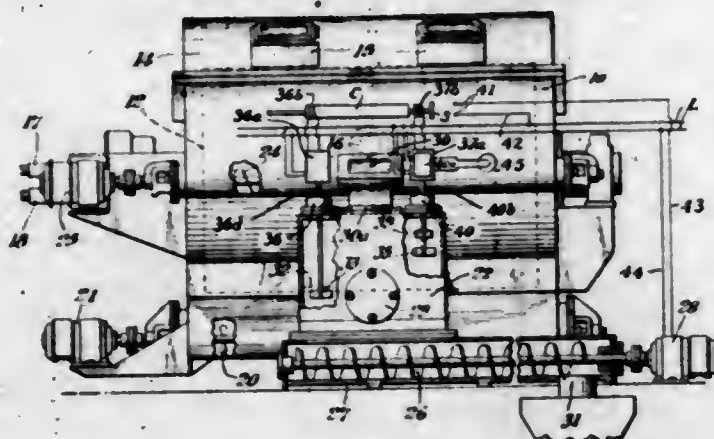
Eldon E. Stahly, Pittsburgh, Pa., and Frank B. Johnson, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 31, 1942, Serial No. 470,762
10 Claims. (Cl. 260-683.15)



1. A method of preparing an aliphatic hydrocarbon product of the motor fuel boiling range from a C₄ hydrocarbon mixture containing substantial quantities of both n-butylenes and isobutylene, the former being in substantial molecular excess, which comprises adding to the mixture a sufficient quantity of isobutylene to produce an isobutylene/n-butylene molecular ratio of at least 1 in the mixture, contacting the mixture so formed with a catalyst in a first reaction zone for a time, not greater than 20 minutes so as to form substantial quantities of liquid polymers of isobutylene and codimers of n-butylene and isobutylene but less than about 20% of C₁₂ and higher boiling polymers, based on the total weight of the polymers formed, adding to the product thus formed an amount of n-butylene which will produce in the mixture a total quantity of n-butylenes which is theoretically sufficient to react with all the polymers of isobutylene and any unreacted isobutylene to form a codimer of n-butylene and isobutylene, contacting the mixture thus formed with a catalyst in a second reaction zone for a period of 2 to 3 hours without forming more than about 35% of C₁₂ and higher boiling polymers, based on the total weight of polymers formed, and separating the octene fraction from the final product.

2,385,238 FILTRATION

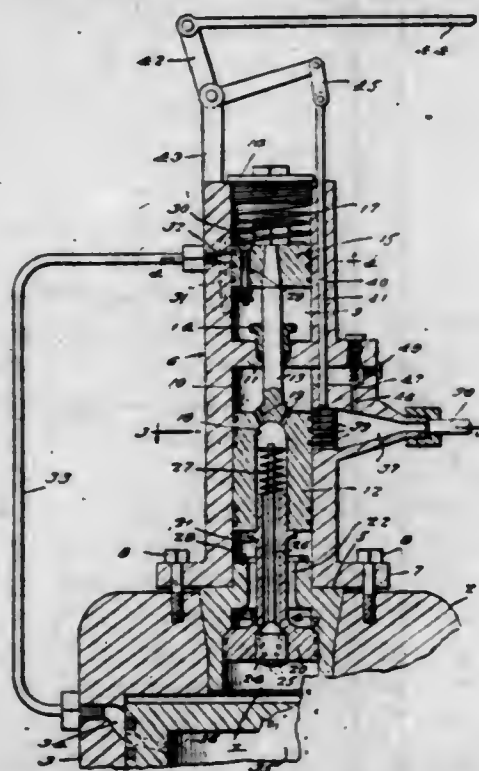
Leon A. Tarbox, Cranford, N. J., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application April 29, 1942, Serial No. 440,943
3 Claims. (Cl. 210—201)



3. In combination with a filter and a housing therefor to segregate the filter from an external region of different pressure, means forming a filter cake receiving chamber communicating with the interior of said housing to receive a discharge of filter cake of granular material and constrain said received material to form a gravity-packed mass, means for discharging said material from said chamber at a low point thereof and into said external region, and means responsive to fluctuations in the level of the material in the chamber to control discharge of the material from the chamber and maintain within the chamber, above said discharge point, a depth of the material sufficient to form thereof a seal for preventing material exchange of gas between the interior of said housing and said external region and thereby maintain a desired gaseous condition within the housing.

2,385,239

DIESEL ENGINE FUEL INJECTOR
Samuel A. Unsworth, Lawrenceville, Ill.
Application February 8, 1943, Serial No. 475,152
1 Claim. (Cl. 123—139)



In combination with a Diesel engine comprising a cylinder having a port therein near the top thereof and a piston operable in the cylinder and controlling the port, said piston having a vent port therein near the top thereof for communication with the first-named port, upper, lower and intermediate cylinders mounted on the engine, said lower cylinder communi-

cating with the top of the engine cylinder for receiving pressure therefrom, pistons operable in the upper, lower and intermediate cylinders, the second-named pistons being connected for operation in unison, the piston in the lower cylinder being operable by pressure from the engine cylinder, a conduit connecting the first-named port to the upper cylinder for conducting pressure thereto above the piston therein when the latter is lowered, the latter piston, when raised, acting to cut off communication of its cylinder with said conduit, the piston in the intermediate cylinder constituting means for drawing fuel thereinto and compressing said fuel, means to prevent creation of a partial vacuum and pressure, respectively, on opposite sides of the piston in the upper cylinder when said piston is moved, and valve controlled means for conducting the compressed fuel into the engine cylinder.

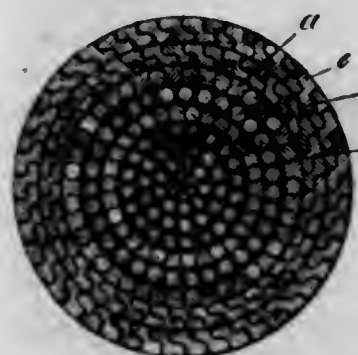
2,385,240 AQUEOUS SOYBEAN PROTEIN COMPOSITIONS

Harris O. Ware, Kalamazoo, Mich., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 6, 1941,
Serial No. 392,133
8 Claims. (Cl. 106—154)

1. A water-resistant coating composition which is substantially stable to putrefaction and viscosity changes which consists of soybean protein, a water-soluble salt of a metal selected from the class consisting of zinc, cadmium, and magnesium, and an aqueous medium selected from the class consisting of aqueous ammonia and aqueous primary aliphatic amines, said metal salt being present in an amount between about 0.03 mole and about 0.3 mole of metal ion per 100 grams of soybean protein, said composition having a pH below about 11.

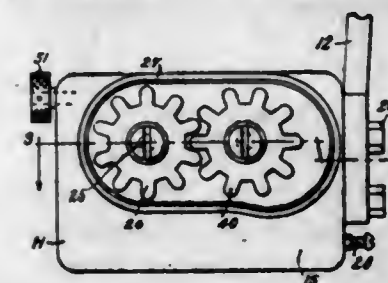
2,385,241

ROPE
Edward Horace White, Warrington, England, assignor to The Whitecross Company Limited, Warrington, England
Application September 27, 1943, Serial No. 503,998
In Great Britain September 18, 1942
1 Claim. (Cl. 57—145)



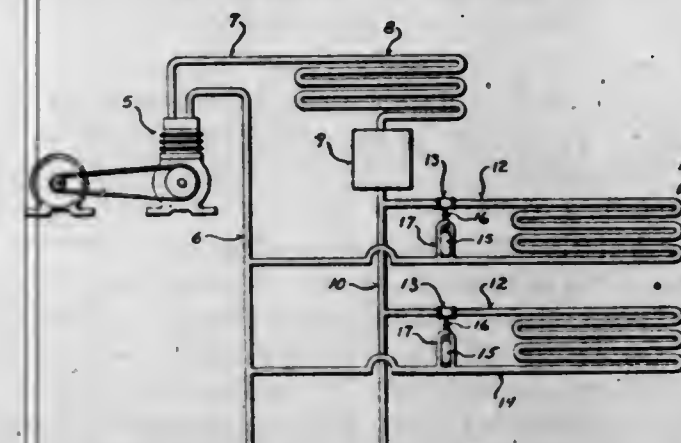
A non-twisting rope consisting of a core comprising a number of layers of wire wound to one hand, two layers of wires disposed around this core, these layers both being laid to the same hand but to the opposite hand from that of the core, and in which there is a twist in all the layers of the core with respect to the first or inner layer of the two covering layers, the sectional areas of the core layers multiplied by their respective distances from the centre being not less than the sectional area of the two outer layers multiplied by their respective distances from the central axis of the rope.

**2,385,242
THREAD HOLDER FOR LOOMS**
Herbert A. Whitin, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application January 18, 1944, Serial No. 518,702
5 Claims. (Cl. 139—247)



1. In a thread holder for the weft ends of a weft replenishing mechanism having a thread holder support, a thread engaging gear rotatable about an axis fixed relatively to the support, means acting during loom operation to rotate said gear, a link pivotally mounted on said support, a second thread engaging gear rotatable on said link, the weft ends being between said gears and frictionally engaged thereby, and resilient means acting on said link and operative to move the second gear bodily toward the first gear as the volume of weft ends between said gears diminishes.

**2,385,243
REFRIGERATING SYSTEM**
Irvin E. Wieggers, Overland, Mo., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 23, 1943, Serial No. 484,233
10 Claims. (Cl. 62—8)

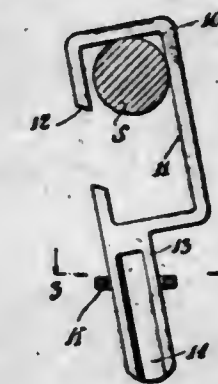


1. A refrigerating system in which the flow of liquid refrigerant into an evaporator is controlled by a thermostatic expansion valve having a temperature sensitive bulb for actuating the same, characterized by the fact that: the bulb is mounted in juxtaposition to a branch of the suction line leading from the evaporator and connected with the suction line at spaced points and the inlet thereto extending abruptly upwardly from its juncture with the suction line so that the flow of liquid refrigerant which may be present in the suction line, through said branch is discouraged while gaseous refrigerant is free to pass through said branch.

**2,385,244
KEY LOCK**
John W. Wiley, New York, N. Y.
Application May 9, 1944, Serial No. 534,715
4 Claims. (Cl. 70—430)

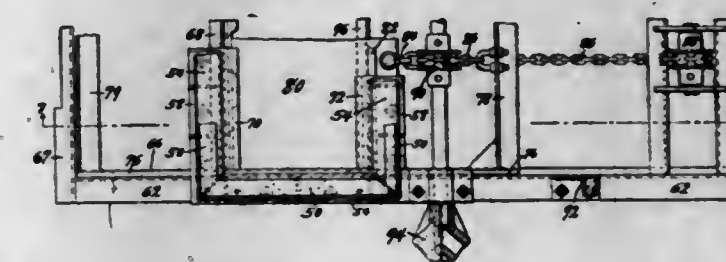
1. A key lock comprising a body having an elongated opening to receive a door knob shank, an entrance passage into the elongated opening on one side of the body and the other side being closed, a key retaining member extending from the body and adapted to engage a key and

prevent its turning, and the key retaining member being offset a substantial distance from the axis of the elongated opening in the body where-



by the door knob shank rides on the closed side of the elongated opening during insertion and removal of the key retaining member from engagement with a key.

**2,385,245
RAILWAY HOPPER CONSTRUCTION**
Victor Willoughby, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application January 14, 1941, Serial No. 374,311
6 Claims. (Cl. 105—282)



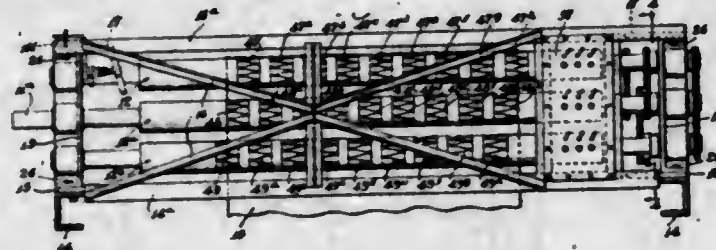
1. In a railway hopper structure the combination of a door frame secured to the hopper forming sheets and providing a discharge outlet, said frame being formed by an upper part rigidly connected to the hopper sheets and by a lower part removably secured to the upper part on at least three sides thereof, said lower part being constructed with oppositely directed slideways extending beneath and to at least one side of the discharge outlet, said slideways being joined together intermediate their ends by stop means connected to said upper part, a door slidably carried by said slideways and including a horizontally extending door plate of a width sufficient to close the discharge outlet and bear against said stop means, and vertically extending strips secured to the side edges of said door plate and supporting said plate upon the slideways, said strips being of a length substantially twice the width of the door plate whereby said slideways will be covered by said strips at all times irrespective of the door plate position.

**2,385,246
METHOD AND APPARATUS FOR PERFORATING SHEET MATERIAL**

Irven H. Wilsey and Arthur E. Neumann, Chicago, Ill.; said Neumann assignor to said Wilsey; Ruth Ann Wilsey executrix of said Irven H. Wilsey, deceased
Application May 12, 1941, Serial No. 393,134
22 Claims. (Cl. 175—265)

4. In a sheet perforating machine, the combination of power actuated means for advancing a web, a set of electrodes comprising a plurality of zigzag electrodes and cooperating electrodes spaced from the former and arranged with each zigzag electrode on the opposite side of the path of web advance from its cooperating electrode,

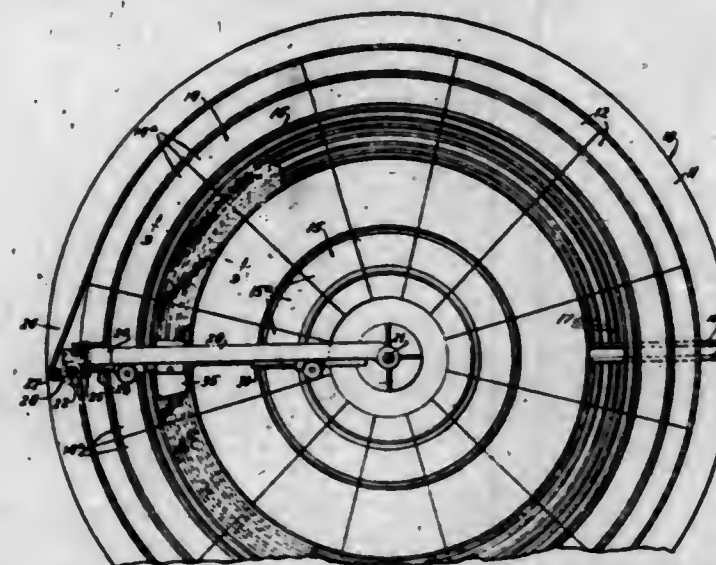
means for causing electrical arc discharges to pass between the zigzag electrodes and corresponding ones of the spaced electrodes at spaced points



along selected ones of the zigzag electrodes, and said zigzag electrodes being offset with respect to each other in a direction transverse to the path of web travel.

2,385,247 METHOD OF GENERATING BEARING SURFACES

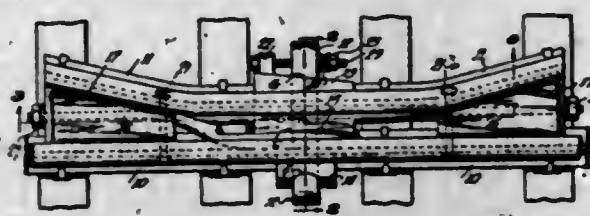
Lucien I. Yeomans, Chicago, Ill.
Application November 17, 1943, Serial No. 510,605
8 Claims. (Cl. 90-24)



4. The method of generating a flat bearing surface on a piece of work, which comprises, solidifying a body of gas-free liquid comprised at least in major part of water and which is at rest within an open-topped vessel so that the surface of the liquid being solidified is free to seek its own level, and moving a surfacing tool across the work to machine it while guiding the movement of the tool by said top surface of the solidified body of liquid.

2,385,248 GUARDRAIL CLAMP

Harrison R. Akers, Tyler, Tex.
Application January 27, 1944, Serial No. 519,849
7 Claims. (Cl. 238-17)

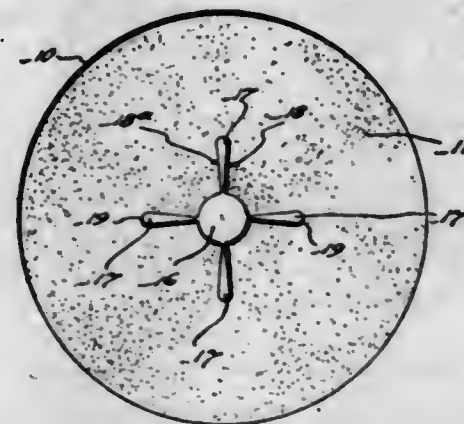


1. In combination with relatively parallel guard turnout and traffic rails, a guard rail clamp including a C-yoke transversely under-lying said rails, whose inwardly turned ends confront the outer web faces of said rails, one of said ends being inclined with respect to the adjacent rail web and the other end arcuated, a wedge cooperating with said inclined yoke end to effect end-wise displacement of said wedge, a pivot space block interposed between the arcuated end of said yoke and the adjacent rail web and having a recess correspondingly receiving said arcuated end for limited oscillation, cooperative ex-

panding wedge blocks interposed between said rails intermediate the ends of said yoke having oppositely extending shanks, turn-out blocks on each side of said wedge blocks having wedging engagement between confronting sides of said turnout and traffic rails and apertured to receive said shanks and means on the ends of said shanks for actuating said wedge blocks.

2,385,249 ABRASIVE DISK

Frank Osborn Albertson, Sioux City, Iowa, assignor to Albertson & Company, Inc., Sioux City, Iowa, a corporation of Iowa
Application June 12, 1944, Serial No. 539,896
1 Claim. (Cl. 51-195)



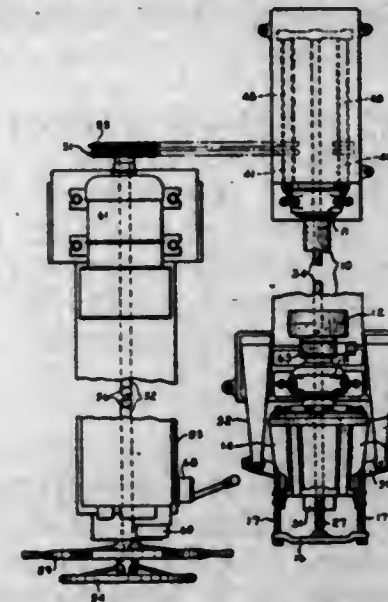
An abrasive disk adapted to be mounted on a surface pad including a centering hub and a plurality of disk holding and driving wings each having radially disposed disk driving portions adjacent the hub and substantially perpendicular to the surface pad, and disk holding portions in spaced and substantially parallel relation to the surface pad, said abrasive disk comprising a relatively stiff circular backing sheet with a coating of abrading particles on one face thereof, said abrasive disk also having a central aperture for receiving the centering hub of the surface pad and a plurality of slots extending outwardly from the central aperture to receive the driving portions of said wings, each of said slots being symmetrical about a radial axis and having outwardly diverging, radial, straight sides terminating in an arcuate surface tangent to said sides at their outer ends so that the slots are devoid of sharp corners, said straight sides being relatively close together where the slot merges into the central aperture and being of a length practically equal to that of said driving portions of the wings so as to have full length engagement with said driving portions.

2,385,250 CENTRIFUGAL CASTING MACHINE

Harold Andrews, Halesowen, England
Application January 11, 1943, Serial No. 472,025
In Great Britain August 1, 1941
2 Claims. (Cl. 22-65)

1. A centrifugal casting machine comprising a hollow rotatable main shaft, a mould carrier mounted on the front end of the shaft, an axially movable end ring for closing the front end of the mould during casting, an axially movable ejector for ejecting the finished casting, members axially movable within the shaft for actuating the end ring and ejector and projecting from the rear end of the shaft, collars on said movable members, crossheads engaging said collars, nuts anchored in the crossheads, rotatable screwed shafts parallel to the main shaft and

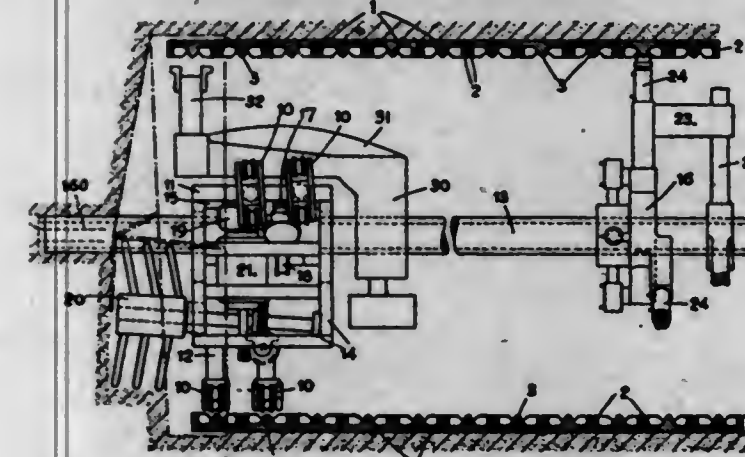
working through the nuts, rotatable spindles parallel to the screwed shafts, gearing connecting



the spindles to the screwed shafts, and means at the front ends of the spindles for rotating them.

2,385,251 TUNNELING METHOD

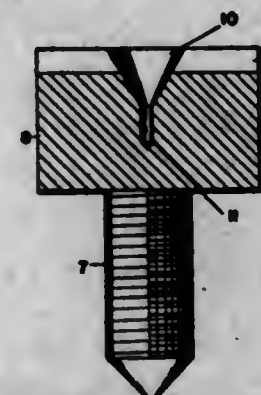
Frederick Percival Ayers, Barnstaple, North Devon, England
Application November 22, 1944, Serial No. 564,695
In Great Britain February 22, 1943
12 Claims. (Cl. 61-44)



1. A method of tunneling which consists of starting a boring, lining it as far as possible with a lining having a helical track on its inner face, mounting a travelling cutter-support frame to run on said track to carry a rotary cutter extending in advance thereof, rotating said frame to run around said track screw-wise thereby advancing its rotary cutter into the working face, and continuing the lining in the wake of the cutter and in advance of the travelling cutter-support frame to extend the helical track as the boring proceeds.

2,385,252 BALANCE SCREW

William Ogle Bennett, Jr., Lancaster Township, Lancaster County, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application April 12, 1943, Serial No. 482,730
3 Claims. (Cl. 58-107)

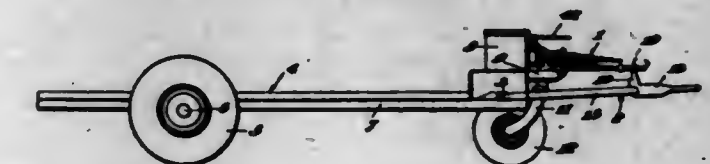


1. A balance assembly for timepieces including a balance wheel, a plurality of balance screws

carried by said wheel, each of said screws comprising a threaded portion, and a head portion formed with a slot and a central conical shaped depression, said depression being extended to form a hole for tool guiding purposes.

2,385,253 TRAILER VEHICLE WITH LOAD REGULATED TOW BAR

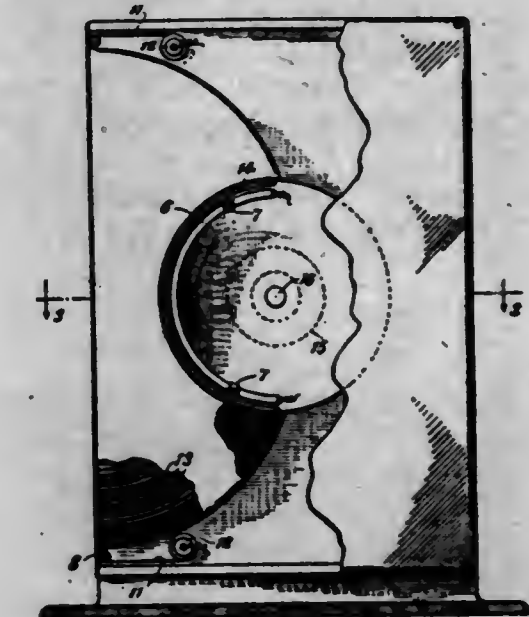
James J. Black, Cincinnati, Ohio, assignor to The Trailer Company of America, Cincinnati, Ohio, a corporation of Delaware
Application June 23, 1943, Serial No. 491,866
15 Claims. (Cl. 280-33.44)



1. A trailer vehicle comprising a frame having wheels thereon, a tow bar pivotally mounted on said frame and extending longitudinally therefrom at one end, a platform on said frame from which the tow bar is extended, a cantilever spring adjustably mounted on said platform and extending longitudinally of the frame in longitudinal alignment with said tow bar, whereby the spring is contacted by the tow bar as it is pivotally swung through an arc in one direction, and means for interconnecting the tow bar and the spring for enabling the spring to yieldably resist movement of the tow bar when it is moved pivotally through a predetermined distance in an opposite direction.

2,385,254 INTERVAL METER AND INDICATOR THEREFOR

Timothy Frank Bludworth, Summit, N. J., assignor to National-Simplex-Bludworth, Inc., a corporation of New York
Application August 21, 1941, Serial No. 407,779
3 Claims. (Cl. 116-129)



1. An indicator including a stack of light transmitting bars having the outer ends terminating in a vertical plane and their inner ends forming an arc of a circle, means to uncover successively the inner ends of said bars commencing with the lowermost one and progressing toward the uppermost ones, a light and means to cause the light to illuminate at least the uppermost uncovered bar in selected positions of the first named means.

2,385,255

BAG CLOSURE

Charles V. Brady, Webster Groves, Mo., assignor to Bemis Bro. Bag Co., St. Louis, Mo., a corporation of Missouri
Application August 13, 1943, Serial No. 498,490
10 Claims. (Cl. 229-63)



1. In a bag, a cord stitched to the outside of the bag and spaced from the end of the material forming the bag, and being substantially parallel to said end, the portions of the material between said cord and said end being turned into the bag to form a turned edge and presenting the cord endwise of the finished bag on the outside of said turned edge where it is available to be used alone as an anchor for closure twine.

2,385,256

VINYLDENE CHLORIDE COMPOSITIONS

Edgar C. Britton and Harold W. Moll, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application July 18, 1941,

Serial No. 403,011

2 Claims. (Cl. 260-42)

1. A thermoplastic molding and extrusion composition, the essential ingredients of which are a vinylene chloride polymer in which vinylidene chloride constitutes at least 70 per cent of the polymer, and from about 2 to about 7.5 per cent of an alkyl resin based on the weight of the polymer.

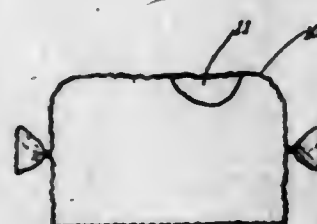
2,385,257

PACKAGING

Chester J. Cavallito, Rensselaer, N. Y., assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application March 26, 1942, Serial No. 436,323

2 Claims. (Cl. 99-174)



1. The method of packaging a meatloaf which comprises enclosing the meatloaf in a tube of elasticized rubber hydrochloride film which has been stretched circumferentially only at a temperature no greater than 160° F. and has been cooled to set the film in the stretched condition, and then heating the tube to a temperature not substantially greater than that used in stretching in order to cause the film to shrink circumferentially and form a skin-tight enclosure around the meatloaf.

2,385,258

SUBSTITUTED ACRYLONITRILE POLYMERS

Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application May 15, 1942,

Serial No. 443,093

13 Claims. (Cl. 260-83)

11. Polymeric masses comprising a polymerized alpha substituted acrylonitrile from the class consisting of alpha hydrocarbonoxy, furyl-oxy, and furfuryl-oxy substituted acrylonitriles.

2,385,259

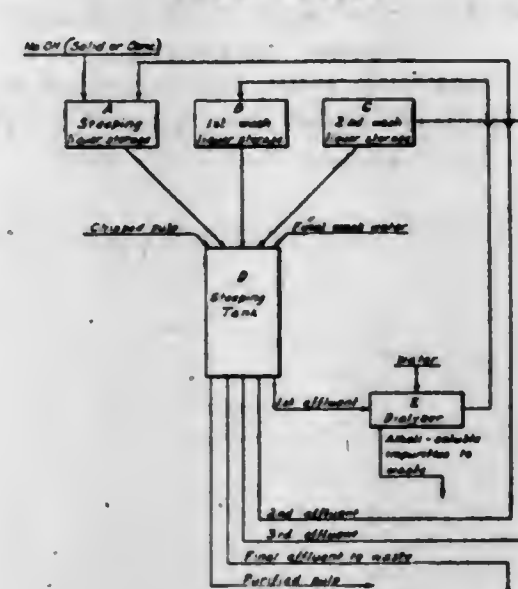
PURIFICATION OF WOOD PULP

William R. Collings, Richard D. Freeman, and Martin J. Roberts, Midland, Mich., and Willis O. Hisey, Syracuse, N. Y., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application May 10, 1943, Serial No. 486,346

2 Claims. (Cl. 92-13)

Flow Sheet

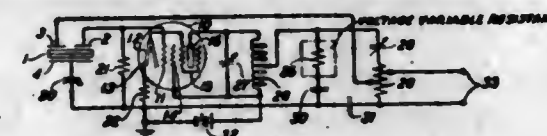


1. In a cold purification process for the production of at least 97 per cent alpha-cellulose from wood pulp, the steps which consist in: steeping chipped pulp at from 7 to 15 per cent consistency with a unit volume of aqueous sodium hydroxide of from 8 to 15 per cent concentration; displacing a first effluent liquor consisting of about one-half unit volume of the steeping liquor with a first wash liquor of from 4 to 6 per cent sodium hydroxide; providing a second wash solution of sodium hydroxide of from 1.5 to 2.5 per cent concentration and displacing therewith about one unit volume of a second effluent liquor from a steeped and once washed batch of pulp; displacing with about one unit volume of water the said second wash liquor as a third effluent liquor from a steeped and twice washed batch of pulp; and washing with water until substantially free of sodium hydroxide, and discarding further effluent from the so-purified pulp, while: recovering from the said first effluent by dialysis and dilution, about one-half unit volume of sodium hydroxide solution of from 4 to 6 per cent concentration and cycling this to serve as the first wash liquor for another batch of steeped pulp; cycling the said second effluent liquor for use together with added sodium hydroxide as the steeping liquor for another batch of unpurified pulp; cycling the said third effluent containing from 1.5 to 2.5 per cent sodium hydroxide for use as a second wash liquor for a steeped and once washed batch of pulp; and repeating the cycle on successive batches while recovering purified pulp as the final step in the process.

2,385,260

CRYSTAL CONTROLLED OSCILLATOR

Leslie R. Cox, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 30, 1943, Serial No. 485,105
20 Claims. (Cl. 250-36)



19. An oscillation generator comprising an electron tube having input, output and feedback circuits, a piezoelectric crystal body connected in said feedback circuit of said tube, a voltage variable resistance, and an inductance connected in parallel circuit relation with said resistance, said resistance and inductance being disposed in said output circuit and together constituting co-operating means responsive to voltage change in said output circuit for changing the frequency thereof, said frequency change being a value substantially equal and opposite to the change in the natural frequency of said crystal body that occurs with a change in the amplitude of motion thereof as caused by said output circuit voltage change.

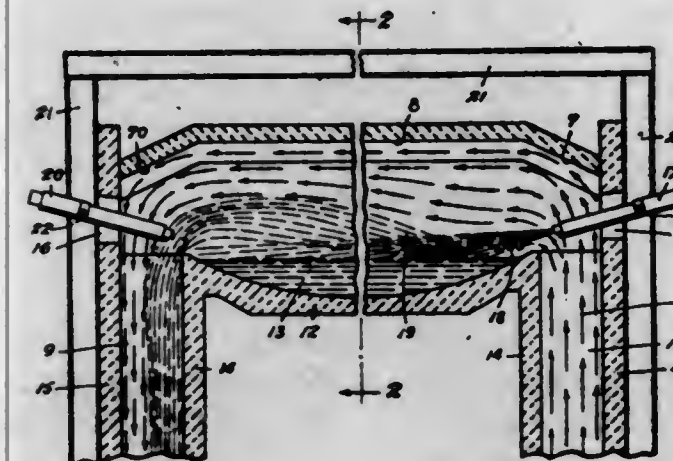
2,385,261

OPEN-HEARTH FURNACE AND METHOD OF OPERATION

John Marshall Crowe, Covington, Ky.

Application September 2, 1942, Serial No. 457,058

4 Claims. (Cl. 263-15)



1. An industrial furnace for the smelting of metal, which comprises in combination a hearth, a substantially vertical uptake and a downcomer at opposite ends of the hearth, a roof over the hearth, a flame-thrower pitched to project flame directly onto the contents of the hearth at an acute angle to the horizontal, causing a rebound of deflected flame and heat toward the furnace roof, and protective means for the roof, said means consisting of sloping surfaces above the uptake and the downcomer, one of said surfaces inclining upwardly and inwardly from approximately the top of the uptake toward the center of the roof, and the other inclining upwardly and inwardly from approximately the top of the downcomer toward the center of the roof, said sloping surfaces being disposed above the uptake and the downcomer to direct a voluminous upward current of air in excess, from the uptake across the under face of the roof and into the downcomer with a continuous sweep, for maintaining a depressed condition of the deflected flame and heat toward the hearth and away from the furnace roof.

2,385,262

THERAPEUTIC-ANESTHETIC PREPARATIONS

David Curtis, New York, N. Y.

No Drawing. Application December 10, 1941,

Serial No. 422,328

10 Claims. (Cl. 167-65)

1. As a new composition of matter, an addition product of alkyl ester of amino-benzoic acid and a sulfonamide compound from the group consisting of sulfanilamide, sulfapyridine, sulfathiazole and sulfadiazine, dissolved in glycerine.

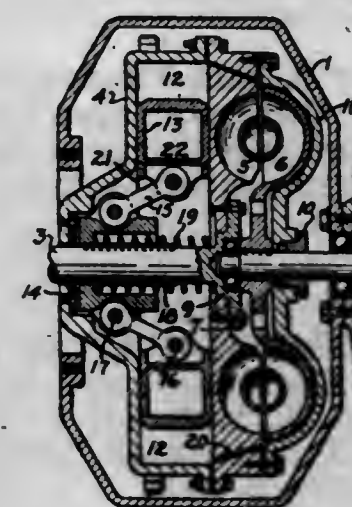
2,385,263

FLUID DRIVE

George R. Ericson, Kirkwood, and Irvan E. Coffey, Normandy, Mo.

Application May 21, 1941, Serial No. 394,418

3 Claims. (Cl. 60-54)



1. In a fluid drive mechanism, a rotary housing member, means forming a rotor chamber in said housing, and an impeller in said chamber, means forming a fluid chamber in said housing, at least a portion of said chamber being more distantly spaced from the axis than the main portion of the rotor chamber whereby operating fluid will tend to flow from said rotor chamber to said fluid chamber through a conduit connected to the outer periphery of the rotor chamber by centrifugal force, a fluid displacing device having a volume equal to the volume of the fluid which is to be displaced movable into said fluid chamber to cause fluid to be forced into said rotor chamber and withdrawable from said fluid chamber to permit the return of fluid from said rotor chamber to said fluid chamber by centrifugal action, and speed responsive means for causing said fluid displacing device to be moved into said fluid chamber when a predetermined speed is exceeded and withdrawn therefrom at lower speeds.

2,385,264

METHOD OF CLEANSING DISHES

Donald K. Ferris, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application October 16, 1940, Serial No. 361,439

8 Claims. (Cl. 134-25)

2. The method of washing dishes which comprises maintaining said dishes in an elevated cleansing zone above a liquid-holding zone, whipping a soap wash in said liquid-holding zone to apply said soap wash to said dishes and to create and maintain soapsuds in said elevated cleansing zone, removing said soap wash from said liquid maintaining zone, introducing a relatively small quantity of rinse water in said liquid-holding zone and whipping said rinse water to remove a portion of soapsuds remaining on said dishes while retaining another portion of

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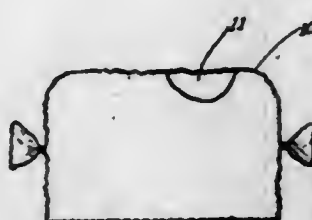
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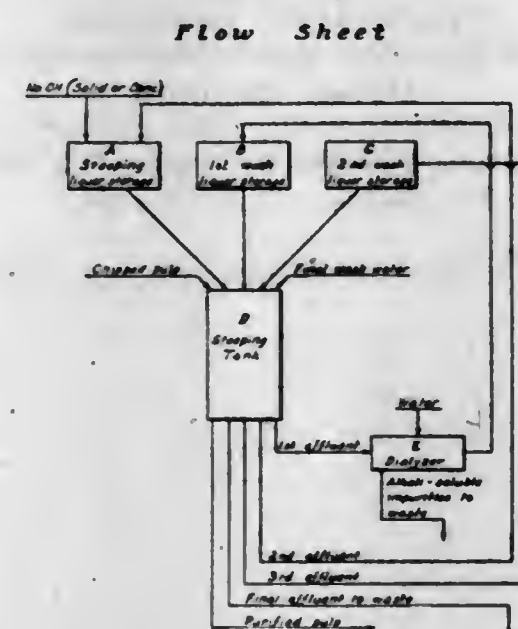
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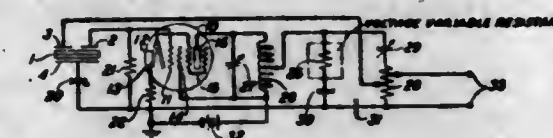
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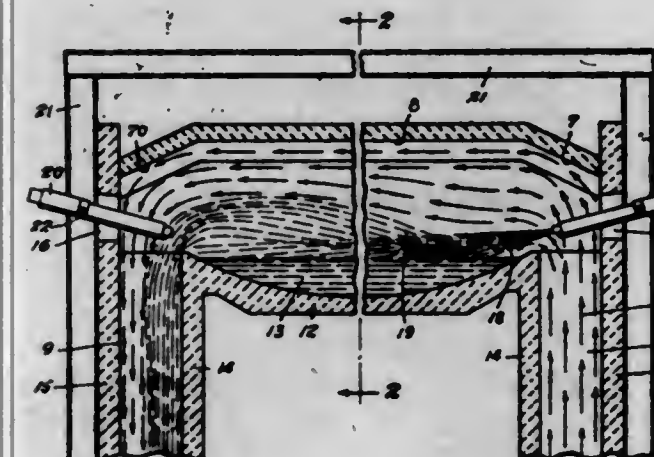
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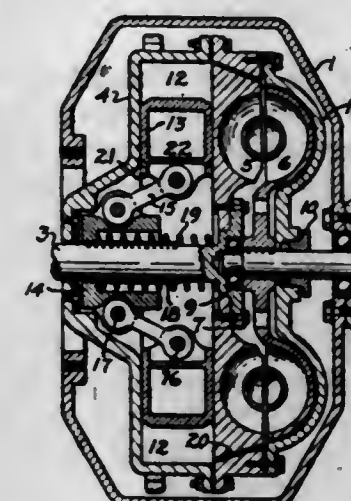
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1. As a new composition of matter, an addition product of alkyl ester of amino-benzoic acid and a sulfonamide compound from the group consisting of sulfanilamide, sulfapyridine, sulfathiazole and sulfadiazine, dissolved in glycerine.

2,385,263 FLUID DRIVE

George R. Ericson, Kirkwood, and Irvan E. Coffey, Normandy, Mo.
Application May 21, 1941, Serial No. 394,418
3 Claims. (Cl. 60-54)



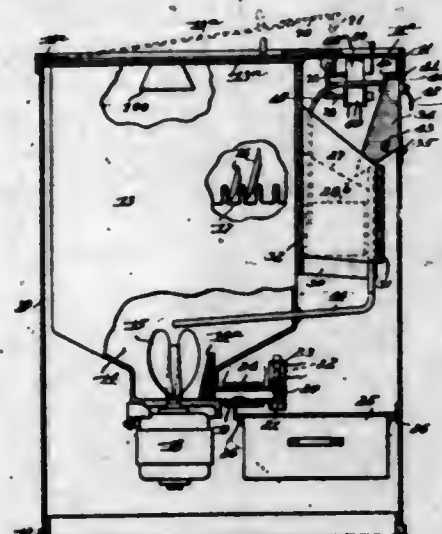
1. In a fluid drive mechanism, a rotary housing member, means forming a rotor chamber in said housing, and an impeller in said chamber, means forming a fluid chamber in said housing, at least a portion of said chamber being more distantly spaced from the axis than the main portion of the rotor chamber whereby operating fluid will tend to flow from said rotor chamber to said fluid chamber through a conduit connected to the outer periphery of the rotor chamber by centrifugal force, a fluid displacing device having a volume equal to the volume of the fluid which is to be displaced movable into said fluid chamber to cause fluid to be forced into said rotor chamber and withdrawable from said fluid chamber to permit the return of fluid from said rotor chamber to said fluid chamber by centrifugal action, and speed responsive means for causing said fluid displacing device to be moved into said fluid chamber when a predetermined speed is exceeded and withdrawn therefrom at lower speeds.

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8 Claims. (Cl. 134-25)

2. The method of washing dishes which comprises maintaining said dishes in an elevated cleansing zone above a liquid-holding zone, whipping a soap wash in said liquid-holding zone to apply said soap wash to said dishes and to create and maintain soapsuds in said elevated cleansing zone, removing said soap wash from said liquid maintaining zone, introducing a relatively small quantity of rinse water in said liquid-holding zone and whipping said rinse water to remove a portion of soapsuds remaining on said dishes while retaining another portion of

soapsuds in said elevated cleansing zone, removing said rinse water from said liquid retaining zone, introducing a relatively large quantity of rinse water in said liquid-holding zone, whipping said last named rinse water to apply it to said

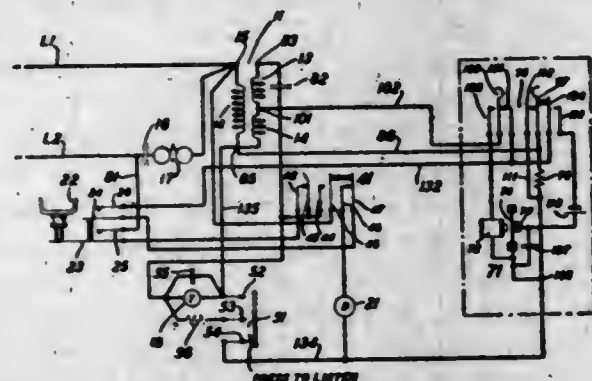


dishes and to mix said retained soapsuds with said water, and thereafter evaporating adhering rinse water from said dishes to dry said dishes and to create a thin invisible film of soap on said dishes.

2,385,265

SUBSTATION CIRCUIT

John W. Foley, Englewood, and John W. Emling, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 26, 1944, Serial No. 519,762
10 Claims. (Cl. 179-81)



1. A substation circuit adapted to be connected to a telephone line comprising a receiver circuit including a receiver, a transmitter circuit including a transmitter, an amplifier having an input circuit and an output circuit, a first switching means for substituting the amplifier input circuit for the receiver in said receiver circuit and for simultaneously connecting the receiver in the output circuit, a second switching means for causing, when in a first position, a substantial reduction in the efficiency of the transmitter circuit and for restoring, when in a second position, the efficiency of the transmitter circuit to normal value and means, effective when said second switching means is in said second position, for reducing the gain of the amplifier by a substantial amount.

2,385,266

PROCESS FOR THE PRODUCTION OF ERYTHRINA ALKALOIDS

Karl Folkers, Plainfield, and Randolph T. Major, Mountainside, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application November 13, 1942, Serial No. 465,460
6 Claims. (Cl. 260-236)

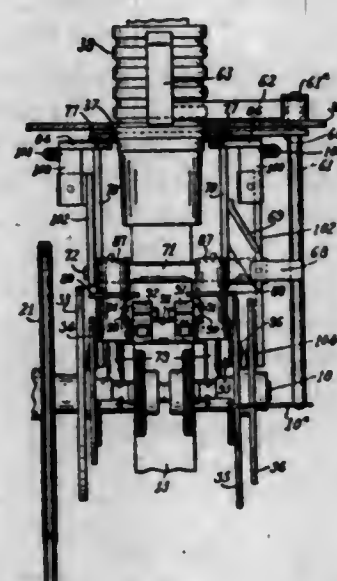
1. The process comprising treating an organic solvent solution of the "free" fraction from

species of Erythrina containing preponderant quantities of the alkaloidal substance, "erythroidine," a stereoisomeric mixture of formula $C_{16}H_{19}NO_3$, with an acidulating agent, and separating the acid salt of said "erythroidine."

2,385,267

CUP-SEPARATING AND DISPENSING MACHINE

Frederick Franz, West Haven, Conn., assignor to ATA Manufacturing Company, Inc., New Haven, Conn., a corporation of Connecticut
Application January 21, 1942, Serial No. 427,540
12 Claims. (Cl. 312-44)



1. In a cup-dispensing device, means arranged to hold a stack of nested cups, comprising a pair of jaw members movable relatively to each other to engage the next to the lowermost cup of the stack and hold it against movement, a second pair of jaw members to engage the lowermost cup and strip it from the remainder of the cups of the stack, and means for opening, raising, and then closing said second jaws to a position to engage the next cup of the stack.

2,385,268

CONTAINER

Edward D. Gillam, Philadelphia, Pa.
Application August 26, 1942, Serial No. 456,193
7 Claims. (Cl. 206-44)

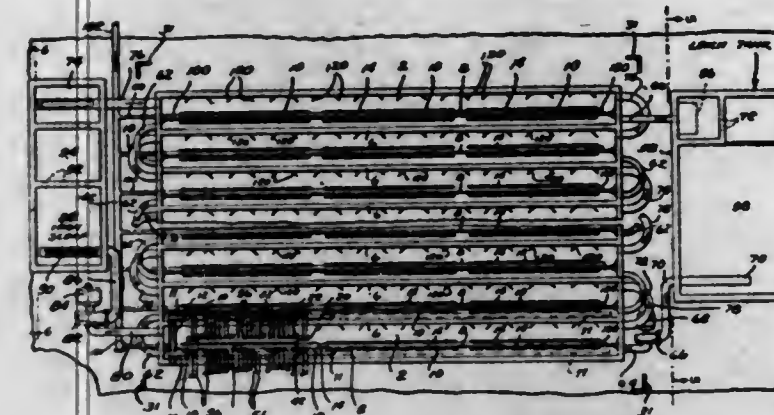


1. A container including a box having a bottom wall, side walls, and front and rear end walls, said rear end wall consisting of end flaps folded along upwardly extending crease lines disposed in a plane normal to the bottom wall and secured together, said bottom wall having a transversely extending slot at the rear end thereof, the forward margin of said slot being spaced forwardly from the plane of said crease lines, and a separable support for said box having a portion extending through said slot.

2,385,269

PROCESS OF ELECTROLYTICALLY EXTRACTING METAL

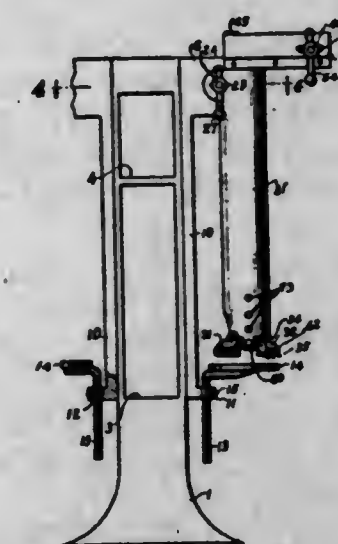
Alfred R. Globus, Brooklyn, N. Y., assignor of eleven and one-ninth per cent to Otto H. Henry, Caldwell, N. J., eleven and one-ninth per cent to James C. Hartley, Silver Mine, Norwalk, Conn., and eleven and one-ninth per cent to H. Dorsey Spencer, New York, N. Y.
Application May 10, 1941, Serial No. 392,871
10 Claims. (Cl. 204-112)



1. The process of electrolytically extracting a metal, which has two or more valences, from an ore, compound or mixture in which the metal appears in a high valence form, which consists in leaching the metal from the said ore, compound or mixture as a solution of a salt of the higher valence form, introducing the leach liquor thus obtained into the anolyte part of an electrolytic cell having suitable anodes and cathodes and having a diaphragm separating the anolyte from the catholyte, effecting an electrolytic migration of the metal ions of the higher valence from the anolyte to the catholyte and, as said metal ions move from the anolyte into the catholyte through said diaphragm, effecting the reduction of a major portion of the metal ions entering the catholyte to ions of lower valence by subjecting them to the action of sulfur dioxide directed into reactive relation thereto at the points of their entry into the catholyte.

2,385,270

BOOT AND SHOE STRETCHING DEVICE
Charles Gregory, Amarillo, Tex., now by judicial change of name to Charles Gregory Hilton
Application December 11, 1941, Serial No. 422,572
34 Claims. (Cl. 12-128.6)



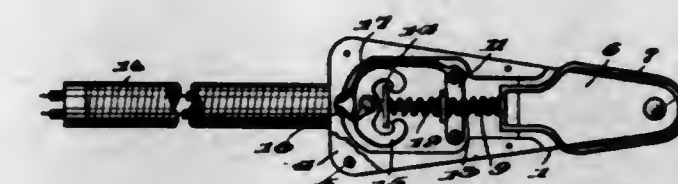
1. In a stretcher for footwear, the combination of a support, stretching devices arranged for bearing against the respective front and back portions of the footwear, means mounting front stretching device for bodily movement in a di-

rection longitudinally of the footwear relative to the other stretching device, screw means extending horizontally in the direction longitudinally of the footwear and connected with said movable mounting means for adjusting said adjustable device and extending to the front thereof, and means adjacent the front of said adjustable device for operating said screw means.

2,385,271

TACK DETECTING DEVICE

Charles G. Hilton, Amarillo, Tex.
Application August 12, 1943, Serial No. 498,348
4 Claims. (Cl. 177-311)

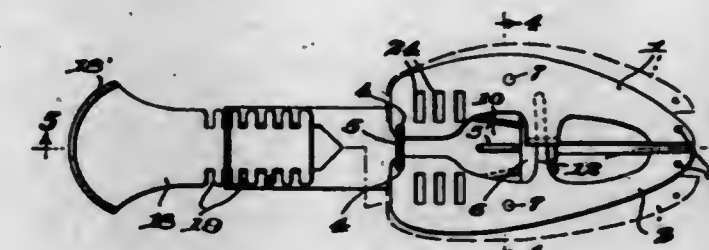


1. In apparatus for use in detecting a tack in a shoe, the combination of a head of a size and shape adapted to be inserted in a shoe and to be moved about the sole portion thereof, a feeler member carried by the head for movement relative thereto, said feeler member extending in a circumferential direction about the toe portion of the head in spaced relation with the peripheral confines thereof, and annunciator means operatively connected with the feeler member for annunciating action in response to movement of the feeler member relative to the head upon engagement with a tack in the shoe.

2,385,272

BOOT AND SHOE HOLDING TREE

Charles G. Hilton, Amarillo, Tex.
Application October 11, 1943, Serial No. 505,828
11 Claims. (Cl. 12-128.3)



1. A shoe holding device comprising a pair of stretching members, means connected with the members for causing lateral spreading movements thereof, a thrust member connected with said spreading means for operating the same, and a second thrust member extending lengthwise of the first mentioned thrust member, and means for detachably interconnecting the thrust members together.

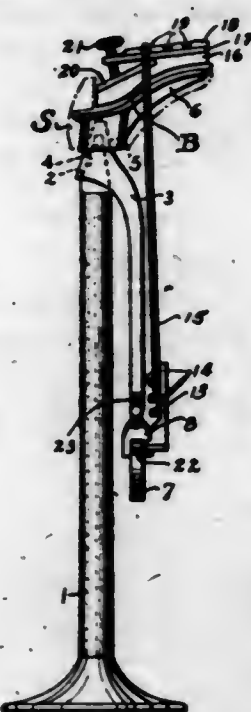
2,385,273

SHANK AND PATCHING CEMENT PRESS FOR FOOTWEAR

Charles G. Hilton, Amarillo, Tex.
Application October 11, 1943, Serial No. 505,829
20 Claims. (Cl. 12-33)

1. In a cementing press for footwear, the combination of a base, an arm having one end mounted on the base, said arm having an upstanding seat on said mounted end portion thereof, last structure mounted on said seat of the arm and adapted to receive an article of footwear thereon for application of a patch thereto by cement, a

pressure member adapted to apply pressure to said patch, and means connected with the op-

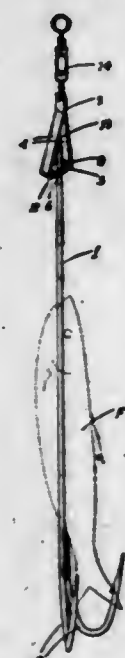


posite end portion of said arm for applying pressure to said pressure member.

2,385,274

FISHHOOK

Benjamin M. Hammond, Colusa, Calif.
Application June 18, 1943, Serial No. 491,314
4 Claims. (Cl. 43-28)



1. A fish-hook unit comprising, in combination, a hook having a rod-like shank, and a snap yoke quick-detachably connected with the rear end portion of said shank; the shank including an annular groove therein adjacent its rear end, and said snap yoke including opposed spring legs having quick releasable holding elements, each engaged under tension in said groove from the side opposite the corresponding leg.

2,385,275

ACCELERATORS OF VULCANIZATION

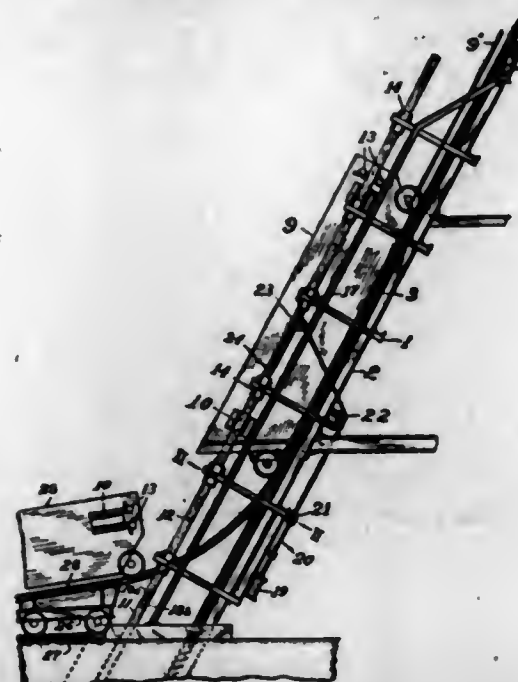
Albert F. Hardman, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application February 26, 1943, Serial No. 477,263
1 Claim. (Cl. 260-455)

As a new compound, the addition product of equimolecular proportions of carbon bisulfide and 1-(α -dimethylaminobenzyl) naphthol-2,

2,385,276

HOIST

Hannibal T. Hart, Eveleth, and Hastings A. Barber and Everett W. Burbeck, Duluth, Minn., assignors to Oliver Iron Mining Company, a corporation of Minnesota
Application October 5, 1944, Serial No. 557,352
8 Claims. (Cl. 187-95)

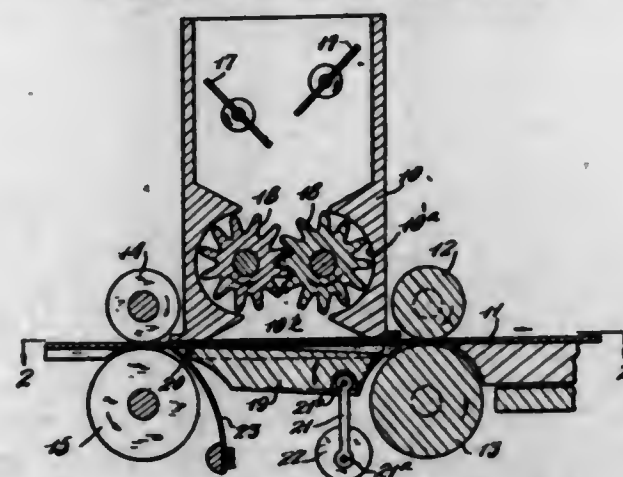


1. In a hoisting device comprising a car, means for raising and lowering the car, guide means paralleling the normal path of travel of the car, said car having means projecting therefrom, said projecting means including guide engaging means on the car cooperating with the guide means to maintain the car in its normal path of travel, at least a part of the guide means projecting past a part of the guide engaging means on the car, the improvement which comprises retractable guide means at least as long as the length of the means projecting from the car, said retractable guide means in its normal operative position engaging and cooperating with the guide engaging means on the car, and means mounting the retractable guide means for retraction from its normal operative position in a direction in a direction away from the guide engaging means sufficiently for it to clear the car and the guide engaging means, whereby a car positioned at the retractable guide means may be moved out of its normal path of travel when the retractable guide means is retracted.

2,385,277

MACHINE FOR PASTING STORAGE BATTERY GRIDS

James E. Hatfield, Shaker Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application August 28, 1943, Serial No. 500,429
3 Claims. (Cl. 226-39.6)



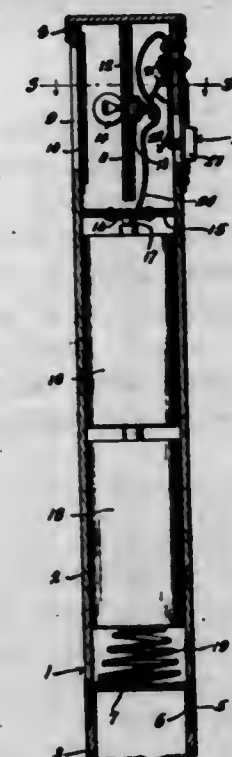
1. In a pasting machine, means for feeding grids along a given path, a paste hopper above

the grids having means for feeding the paste from the hopper into and through the grids, a movable auxiliary pasting device operating from the lower side of the grids and serving to push up into the grids the paste that is forced through them by the paste feeding means, and means for moving said device alternately toward and from the grids.

2,385,278

FIELD ARTILLERY AIMING STAKE

Earling Hoo, Excelsior, Minn.
Application January 5, 1944, Serial No. 517,099
3 Claims. (Cl. 240-6.42)

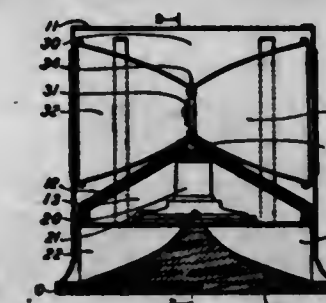


1. A field artillery aiming stake comprising a post adapted to be erected in the ground, said post having a single, narrow, elongated window therein, vertical guide channels in the post, a removable plate slidably engaged in said guide channels, an electric lamp mounted in the plate for illuminating the window, a plurality of dry cell batteries mounted in the post, and switch-controlled means for electrically connecting the batteries to the lamp.

2,385,279

DISTANT TALKING LOUD-SPEAKER TELEPHONE SYSTEM

Harris F. Hopkins, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 27, 1943, Serial No. 473,682
19 Claims. (Cl. 179-1)

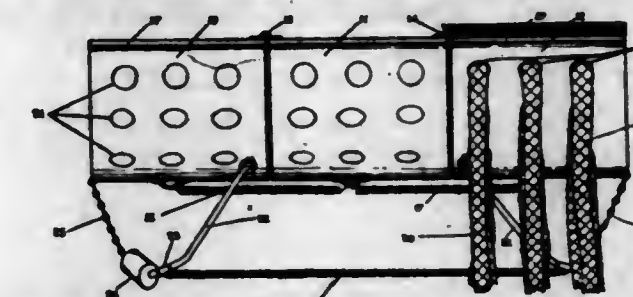


1. A distant talking loud-speaker telephone system comprising focussing sound collector-reflector means, a telephone transmitter positioned at a focus of said collector-reflector means, loud-speaker apparatus positioned adjacent, and with its axis passing through the center of, said transmitter for projecting reproduced sound, and means for directing reproduced sound laterally away from a plane passing through the focus of and substantially normal to the axis of said sound reflector means.

2,385,280

CAR JOURNAL LUBRICATING DEVICE

Clarence L. Howard, Grand Junction, Colo.
Application April 13, 1942, Serial No. 438,681
3 Claims. (Cl. 308-88)



1. A lubricating device for a railroad car journal, which comprises in combination three perforated trough-shaped sections in abutting relationship and pivotally connected at abutting edges, each said section being supplied with an outwardly extending lip along each side, for each said section an absorbent pad lying therein and extending over the upper part of said lips and having capillary feeders integrally formed therewith and depending through perforations in said section, each said section being substantially semi-cylindrical so as to extend over substantially all of the corresponding underside of the car journal when in use and so that said lips meet the lower edge of the journal bearing, tension springs joining abutting sections, rigid supports pivotally attached to each end section and extending downwardly and outwardly, flexible coupling means joining each end section and the corresponding rigid support, and a tension spring joining said rigid supports.

2,385,281

POLYCYCLIC COMPOUNDS FROM ISOPHORONE AND PROCESS FOR THE MANUFACTURE OF SAME

Oskar Huppert, Newark, N. J.
No Drawing. Application February 2, 1943, Serial No. 474,492
4 Claims. (Cl. 260-307.6)

1. The process for producing a condensation product, which comprises condensing isophorone, maleic anhydride and a primary 1.2 hydroxyalkyl amine.

2,385,282

2-NITRO-3-METHOXY-PHENOL AND PROCESS OF MAKING SAME

Charles B. Jaeger, Jr., Baltimore, Md., assignor to Lynch and Company, St. Louis, Mo., a corporation of Missouri
No Drawing. Application September 23, 1942, Serial No. 459,431
2 Claims. (Cl. 260-613)

1. 2-nitro-3-methoxy-phenol, said compound being in pure state a light orange crystalline solid melting at 53-54° C. (corr.).

2,385,283

PRODUCTION OF ITACONIC ACID

Jasper H. Kane, Garden City, Alexander C. Finlay, Long Island City, and Philip F. Amann, Brooklyn, N. Y., assignors to Chas. Pfizer & Co., Inc., Brooklyn, N. Y., a corporation of New Jersey
No Drawing. Application November 25, 1942, Serial No. 466,944
7 Claims. (Cl. 195-36)

3. A process for the production of itaconic acid and its salts, comprising fermentation of a nutrient-containing carbohydrate solution by means of submerged aerobic growth of an itaconic acid-producing strain of *Aspergillus terreus*.

2,385,284

INSECTICIDES AND METHODS OF USING
 William A. Knapp, New York, N. Y., assignor to
 General Chemical Company, New York, N. Y.,
 a corporation of New York
 No Drawing. Application January 24, 1942,
 Serial No. 428,085

7 Claims. (Cl. 167-33)

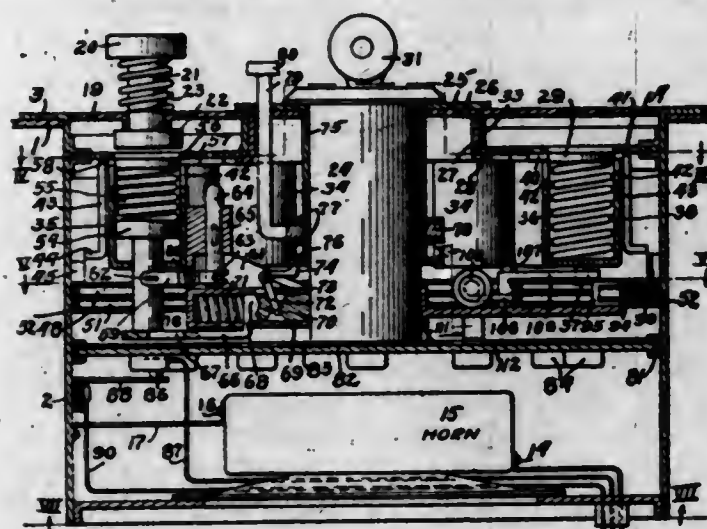
1. The method of combatting chewing insects
 which comprises applying to the food of the in-
 sect a phenoxazine.

2,385,285

**AUTOMOBILE THEFT INDICATOR AND
 HOOD LOCK**

Christ E. Kollas, Chicago, Ill.

Application September 16, 1944, Serial No. 554,373
 11 Claims. (Cl. 177-314)



1. An automobile theft prevention device, in-
 cluding an automobile ignition switch lock, lock-
 ing means for disabling the normal operation of
 the ignition switch lock, a plurality of manually
 operable units, release means connected with the
 locking means for removing said disability by op-
 erating a predetermined one of said units, an
 audible alarm and a lock device electrically con-
 nected in series with the locking means and with
 one another to be simultaneously set into opera-
 tion together with the disabling of the ignition
 switch lock if any one of said units other than said
 predetermined one is operated, and a bolt mecha-
 nism for normally holding the locking means in a
 normal retracted position to permit operation of
 the automobile ignition switch lock when the
 theft prevention device is not set for operation.

2,385,286

PIANO ACCORDION

Frank Kostka, Buffalo, N. Y.

Application October 12, 1942, Serial No. 461,718
 17 Claims. (Cl. 84-376)



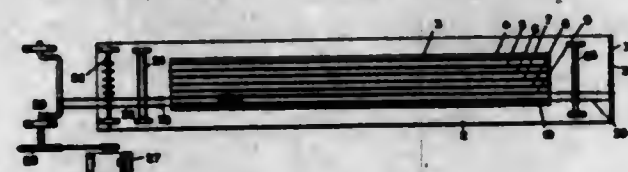
1. In an accordion, a unitary reed block hav-
 ing a plurality of groups of reed chambers there-
 in, each group including a plurality of parallel
 rows of reed chambers disposed in aligned trans-
 verse relation, key-operated valves operatively

associated with one end of each set of trans-
 versely aligned chambers, and manually-con-
 trolled valves operatively associated with the op-
 posite ends of each parallel row of reed chambers.

2,385,287

JEWEL HOLE OPENING APPARATUS

James Oliver Le Van, Lancaster, Pa., assignor to
 Hamilton Watch Company, Lancaster, Pa.
 Application April 20, 1944, Serial No. 531,982
 6 Claims. (Cl. 51-62)



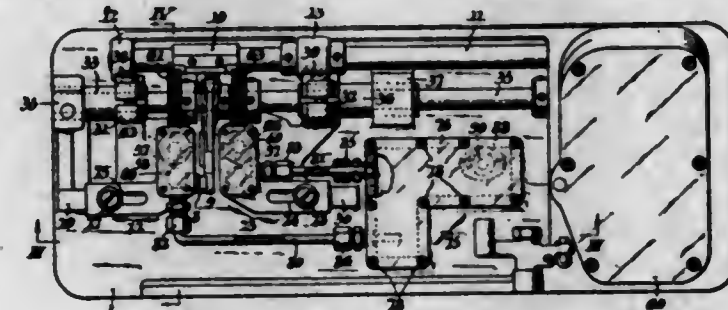
1. An apparatus for enlarging the bore of a
 jewel comprising a bench, a plurality of track-
 ways on said bench, a plurality of jewel carriers
 slidably mounted in said trackways, a plurality
 of wires strung above said trackways, a plu-
 rality of jewels threaded on said wires and
 housed within said jewel carriers, means for
 reciprocating said wires and means for locking
 said jewel carriers in any position relative to
 said wires.

2,385,288

LOCK STITCH SEWING MACHINE

Harold J. Le Vesconte, Western Springs, and Al-
 bert M. Schweda, Chicago, Ill., assignors to
 Union Special Machine Company, Chicago, Ill.,
 a corporation of Illinois

Application December 12, 1940, Serial No. 369,766
 21 Claims. (Cl. 112-256)



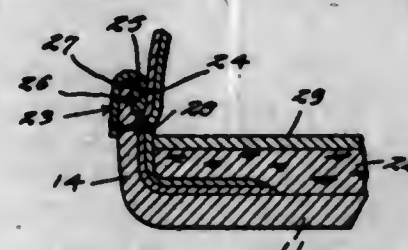
9. In a lock stitch sewing machine, a plurality
 of needles, a plurality of relatively adjustable ro-
 tary hooks to cooperate with the individual nee-
 dles in stitch formation; common driving means
 for said needles and hooks a main source of lu-
 bricant supply; and connections including pump-
 ing means connected directly with each hook and
 rendered operative by rotation of the hooks for
 conducting lubricant from the common supply
 source to all of the individual hooks.

2,385,289

SHOE

Arnold Levin, Brooklyn, N. Y.

Application April 20, 1944, Serial No. 531,935
 2 Claims. (Cl. 36-12)



1. A shoe construction comprising a member
 forming a combined outsole, arch and heel seat,
 an upstanding tapered marginal flange carried
 by said member, a reduced thickness upper edge

carried by said flange, an inverted U-shaped bead
 forming strip engaging over said upper edge of
 said flange, said strip including an upturned por-
 tion carried by the inner leg thereof, means se-
 curing said upturned portion to said upper edge
 of said flange, a filler secured to the upper side of
 said member within said flange, said filler being
 formed with a recess about the outer portion and
 in the lower side thereof, a toe box and a counter
 formed with intumed lower edges engaging in said
 filler recess and secured to said member, stitch-
 ing securing said toe box and counter to the inner
 leg of said strip, stitching engaging through the
 outer leg of said strip and also engaging through
 said flange securing said toe box and counter
 to said flange, and an insole secured to the upper
 side of said filler.

2,385,290

**PLASTICIZED BUTADIENE-ACRYLONITRILE
 COPOLYMER**

Joy G. Lichty, Stow, Ohio, assignor to Wingfoot
 Corporation, Akron, Ohio, a corporation of
 Delaware

No Drawing. Application November 12, 1943,
 Serial No. 510,036

2 Claims. (Cl. 260-36)

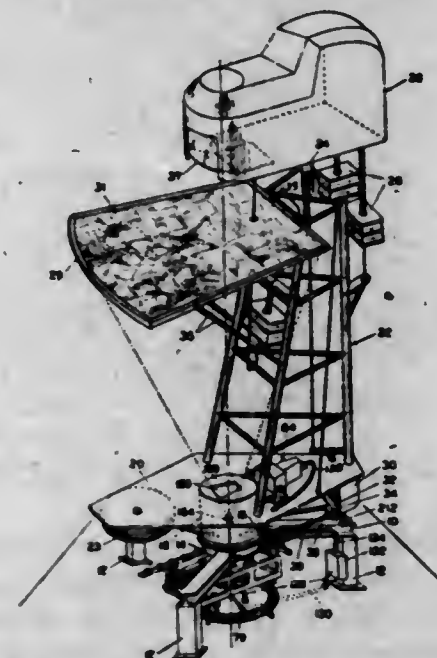
1. A rubber-like composition composed essen-
 tially of a copolymer of butadiene and acrylo-
 nitrile plasticized with isobutyl trichloro pro-
 pionate.

2,385,291

TRAINING DEVICE

Edwin A. Link, Binghamton, N. Y.

Application July 5, 1943, Serial No. 493,535
 16 Claims. (Cl. 35-12)



1. In a grounded navigation training system
 the combination of a support for a student ro-
 tatably mounted upon a stationary base, a screen
 affixed to said support for rotation therewith,
 and a projection system for projecting images
 upon said screen, the axes of rotation of said
 support and said screen being coincident with
 the center of the rays projected by said projec-
 tion system.

2,385,292

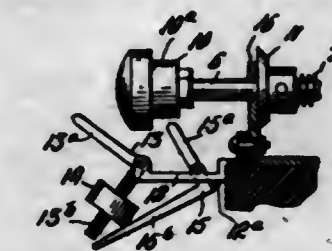
**DEVICE FOR OVERCOMING EFFECTS
 OF SHOCKS**

Frank G. Logan, Mount Vernon, N. Y., assignor to
 Ward Leonard Electric Company, a corporation
 of New York

Application May 11, 1943, Serial No. 486,605
 7 Claims. (Cl. 74-2)

1. The combination of a restrained device bi-
 ased to move upon being released, an element

movable independently of the restrained device
 for releasing said restrained device, said element
 being subject to movement by mechanical shocks,
 means for actuating said element for releasing



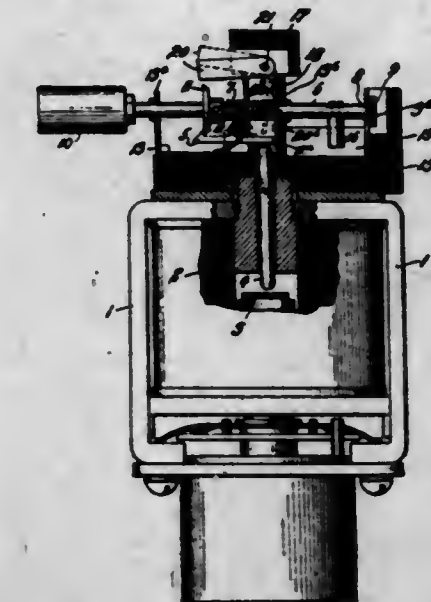
said restrained device, and means for maintain-
 ing said device in the restrained position against
 such biased movement when released by said ele-
 ment under the effects of shock until the passage
 of the shock.

2,385,293

**DEVICE FOR OVERCOMING EFFECTS
 OF SHOCKS**

Frank G. Logan, Mount Vernon, N. Y., assignor to
 Ward Leonard Electric Company, a corporation
 of New York

Application May 12, 1943, Serial No. 486,689
 6 Claims. (Cl. 74-2)



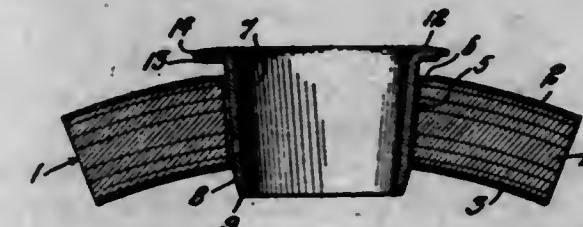
1. The combination of a movable device biased
 to move from a restrained position, means for
 holding the device in the restrained position
 against its biased movement, an element movable
 independently of said means for releasing said
 means, said element being subject to movement
 by mechanical shocks, means for actuating said
 element for releasing said holding means, and
 means having a pivotal support movable under
 shock for locking said holding means from move-
 ment by said movable element until the passage
 of the shock.

2,385,294

BUNG BUSHING

Arthur Lowy, Newark, N. J., assignor to New York
 Engineering Company, New York, N. Y., a cor-
 poration of New York

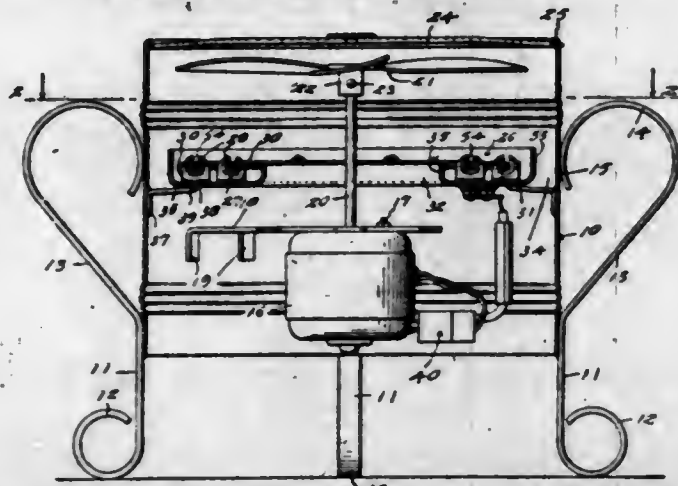
Application June 17, 1944, Serial No. 540,853
 3 Claims. (Cl. 16-3)



1. A bushing for a bung hole having an ex-
 ternally smooth body for insertion in the bung
 hole of a barrel, an expandable inner end adapted
 to be spun over to resiliently grip the material

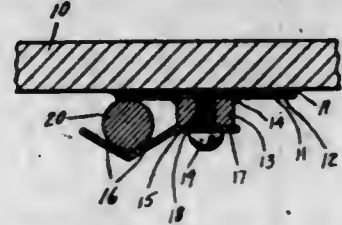
of the barrel to prevent rotation and leakage, and a resilient arched external flange having a marginal lip of reduced thickness adapted to resiliently grip the outer surface of the barrel.

2,385,295
ELECTRIC HEATER AND CIRCULATOR
Clide MacGregor, Flint, Mich.
Application March 23, 1943, Serial No. 480,204
4 Claims. (Cl. 219-39)



1. A circulating heater and cooler comprising a tubular housing open at each end, a fan motor, means supporting said motor adjacent one end of said housing, said motor having an elongated armature shaft extending from one end of said motor, fan blades secured to said shaft adjacent the opposite end of said housing, an annular heating element in said housing interposed between and spaced from said fan blades and said motor, said heating element including a heating coil, a ring, shaped radiant metallic shield, and means mounting said coil on said shield on the side of the latter confronting said fan blades and in spaced relation to said shield whereby the heat generated by said coil will be reflected in the direction of said blades.

2,385,296
CEMENTITIOUS ANCHORABLE HANGER SUPPORT
Goodloe E. Moore, Danville, Ill.
Application May 19, 1944, Serial No. 536,307
3 Claims. (Cl. 248-304)

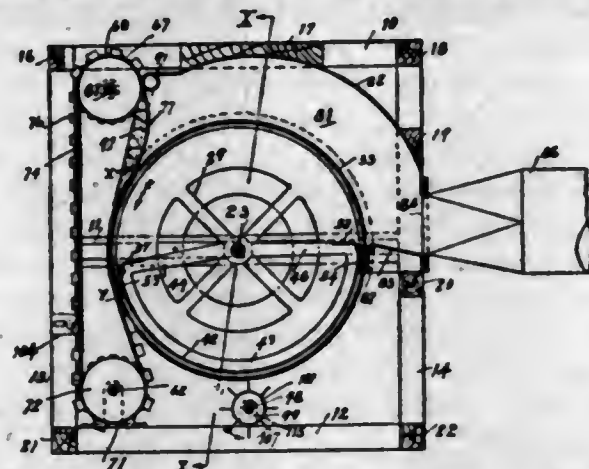


1. A hanger adapted for cementitious application to a support having a smooth surface and to securely anchor other material to that support, the hanger comprising a base plate of considerable area, a centrally disposed threaded socket portion carried by the base, and means having a portion for embracingly engaging the other material and a portion having threaded connection with the socket portion, the plate being of foraminated character and the socket portion comprises a collar portion, the resulting socket being of recess type preventing adhesive access thereto.

2,385,297
CONDENSER
Alfred R. Muirhead, Columbus, Ga., assignor to Lummus Coffin Gin Company, a corporation of Georgia
Application June 30, 1943, Serial No. 492,819
12 Claims. (Cl. 19-156)

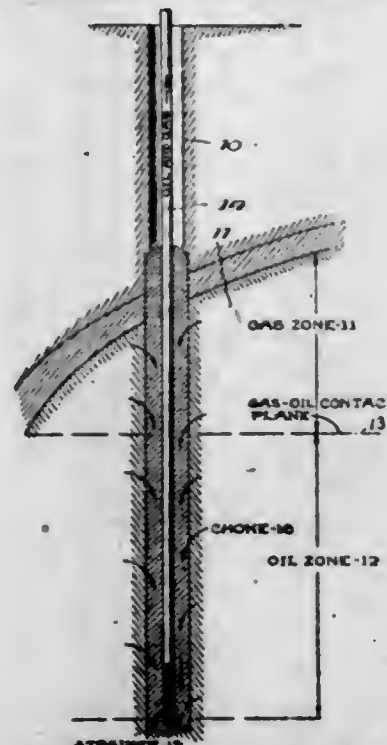
1. In a condenser, a rotary foraminous drum, a casing partially surrounding the drum and

having an inlet opening along one side for air borne material, suction means connected with the interior of the drum through one end thereof, means in the drum to exclude air from pass-



ing through a part of the surface of the drum outside the casing, and a substantially impermeable apron moving with the surface of the drum to exclude air from the remainder of the drum surface outside the casing.

2,385,298
RECOVERY OF OIL FROM OIL FIELDS
Morris Muskat, Oakmont, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application October 16, 1941, Serial No. 415,295
4 Claims. (Cl. 166-1)

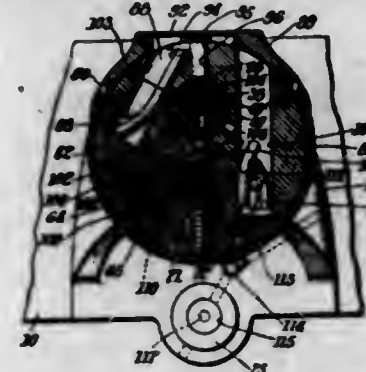


1. In a well extending through a gas-containing formation into a lower, oil-bearing stratum, a fluid conduit extending into the well and communicating therewith at a point near the bottom within the horizons of the oil-bearing stratum, and an elongated tubular choke made of a permeable medium enclosing the lower end of said fluid conduit and extending upwardly therefrom over the exposed face of said oil-bearing stratum and therebeyond at least to the plane of gas-oil contact.

2,385,299
LUBRICATING DEVICE FOR SEWING MACHINES
Frank Parry, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Original application April 11, 1942, Serial No. 438,516. Divided and this application June 14, 1943, Serial No. 490,733
4 Claims. (Cl. 112-256)

2. In a sewing machine having a frame including a work-supporting arm free at one end there-

of, said arm having a wall provided with a lubricant-supply reservoir, a shaft rotatably journaled in said arm and longitudinally provided with a bore, a loop-taker carried by one end of said shaft and having a thread-carrier raceway, said bore having lubricant-conducting connections with



said raceway, separable lubricant-conducting wicks including a shiftable connection-wick between said reservoir and the bore of said shaft, and manually operable means including an arm accessible exteriorly of said work-supporting arm for shifting said connection-wick out of and into effective lubricant-conducting position.

2,385,300
CONVERSION OF HYDROCARBONS
Herman Pines and Vladimir N. Ipatieff, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application January 29, 1943, Serial No. 473,972
7 Claims. (Cl. 260-666)

5. A process for producing substantial yields of alkyl cyclohexane hydrocarbons which comprises reacting an alkyl cyclopentane hydrocarbon and a paraffinic hydrocarbon in the presence of an alkylating catalyst while maintaining a molar excess of alkyl cyclopentane hydrocarbon to paraffinic hydrocarbon throughout the entire reaction.

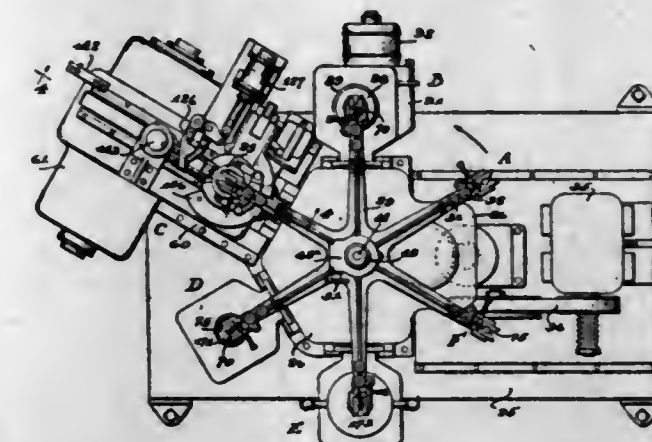
2,385,301
COMPOSITION OF MATTER
Orland M. Reiff, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application January 1, 1943, Serial No. 471,023
20 Claims. (Cl. 260-399)

1. A new composition of matter consisting of the condensation product characterized by at least two aromatic nuclei interconnected by at least one atom of an element selected from the group consisting of sulfur, selenium and tellurium, each of said aromatic nuclei having attached thereto an organic aliphatic carboxylic acid group, a carbon of which is directly attached to a carbon atom of the aromatic nucleus, the carboxyl hydrogens of said organic aliphatic carboxylic acid groups being substituted with metal, and each of said aromatic nuclei being substituted with at least one alkyl group.

2,385,302
MACHINE FOR MAKING STEMWARE
John P. Schellhaus, Jr., Toledo, Ohio, assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 28, 1942, Serial No. 436,656
22 Claims. (Cl. 49-1)

1. A machine for fabricating glass articles comprising a mold carriage, a piston motor for lifting

the carriage including a vertically reciprocating piston and piston rod, means for attaching the carriage to said rod, means for intermittently rotating the carriage about the axis of said rod, said carriage comprising a series of units each including means for removably holding a blow pipe, said units being brought in succession to a molding station by the rotation of the carriage, a press mold at said station, said mold having a vertically disposed mold cavity extending therethrough for molding a stem, means for positioning the mold



beneath a bowl at the said station, a press plunger spaced below the mold and in line with the mold cavity, means for positioning a charge of glass between the mold and plunger, and means for moving the plunger vertically toward the mold cavity and thereby introducing the glass into the mold cavity, shaping a stem and attaching it to said bowl, said positioning means comprising a transfer cup open at top and bottom, and means for moving said cup from a charge receiving position to a discharging position between the mold and plunger.

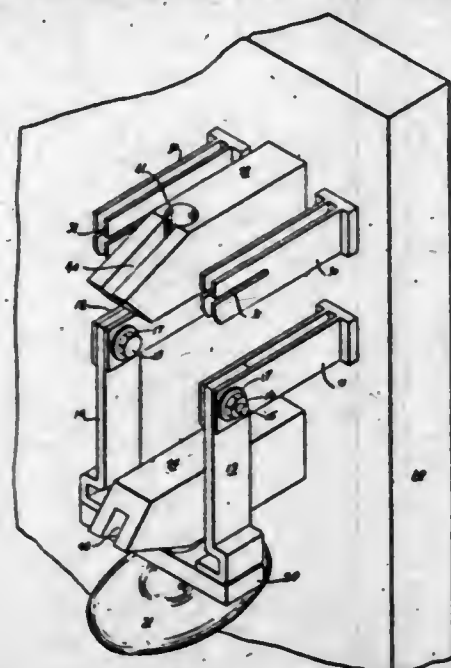
2,385,303
ALKYLATION OF AROMATIC COMPOUNDS
Louis Schmerling, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 25, 1941, Serial No. 399,688
12 Claims. (Cl. 260-671)

1. A process for producing alkylated aromatics which comprises contacting an olefin under alkylating conditions with a relatively clear solution of an aromatic hydrocarbon having an aluminum halide dissolved therein with the aid of a small amount of a nitroparaffin solutizer.

2,385,304
SHOCKPROOF SWITCH
Walter Haines Schymik, Oreland, Pa., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 30, 1944, Serial No. 556,530
11 Claims. (Cl. 200-169)

1. In a circuit interrupter, a contact member having a closed circuit position and an open circuit position; means for operating said contact member between said positions and means for locking said contact member in at least one of said positions, said locking means comprising a tongue extending from said contact operating means; and a stationary locking member; said stationary locking member having a slot open at one end and communicating with an opening in said locking member at the opposite end, said last mentioned opening having a diameter greater than the width of the slot; said tongue having a lesser width than the slot and a length greater than the width of the slot but less than the di-

iameter of the opening; means for turning the tongue to permit the same to pass through said slot and for turning said tongue when it emerges

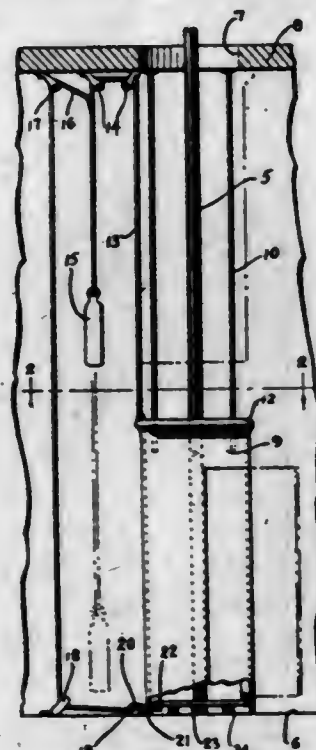


from either end of the slot to a position where the dimension thereof which is greater than the width of the slot is presented to the end of the slot to prevent entry of the tongue into the slot.

2,385,305

POLE SLIDE PROTECTOR

William L. Seide, Rochester, N. Y.
Application April 27, 1945, Serial No. 590,651
2 Claims. (Cl. 227-41)



1. A protector for pole slides comprising a cylindrical member open at each end and surrounding the pole in spaced relation therefrom and adapted to receive persons sliding down the pole, counterbalancing means for the protector, and trip means actuated by a person descending the pole and operatively connected to said counterbalancing means for releasing the latter to raise the protector into an elevated position.

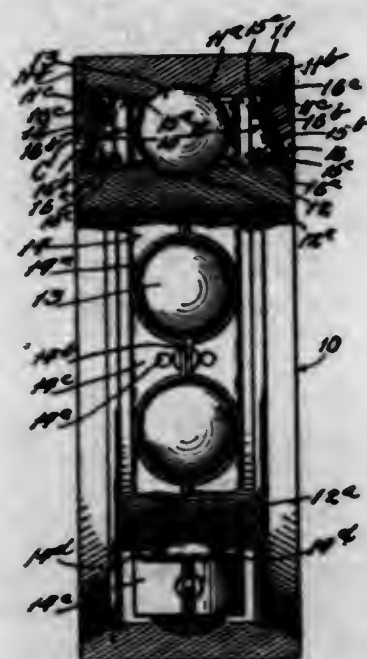
2,385,306

BEARING SEAL CONSTRUCTION

Julius E. Shafer, Chicago, Ill.
Application June 8, 1942, Serial No. 446,200
3 Claims. (Cl. 308-187.2)

1. The combination with a pair of rings disposed one within the other and held in radially spaced apart relation and against substantial relative axial movement, of a third ring carried by the outer ring and extending radially inward

and axially outward from the outer ring, a finger carried by the inner ring, a base on said finger extending under the third ring, a flange on said finger outwardly of the third ring, said flange extending radially outward and axially inward from the inner ring, an axially outward extending end portion of appreciable length on said flange

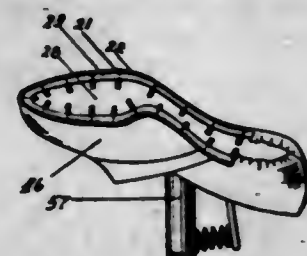


having a diameter at its outer end not less than the diameter at its inner end, and said flange and end portion of the finger being positioned in closely spaced relation from adjacent ring structure for cooperating with the ring structure to seal the space between the inner and outer rings against ingress of dirt and egress of lubricant.

2,385,307

METHOD OF SHOEMAKING

René Marc Sichére, Elmhurst, N. Y.
Application January 13, 1941, Serial No. 374,188
10 Claims. (Cl. 12-142)



1. A method of making a shoe, which comprises the steps of providing a shoe upper which is accurately proportioned for size and attaching allowances without surplus, temporarily securing a lower marginal portion of said upper to the outer face of a plate which approximately duplicates the bottom face of a shoe, attaching a sole to said marginal portion, and releasing said upper from attachment to said plate by operation from within said upper; said steps being carried out without the use of a last and without simultaneously exerting pressure on or causing tension of the upper portion of said upper.

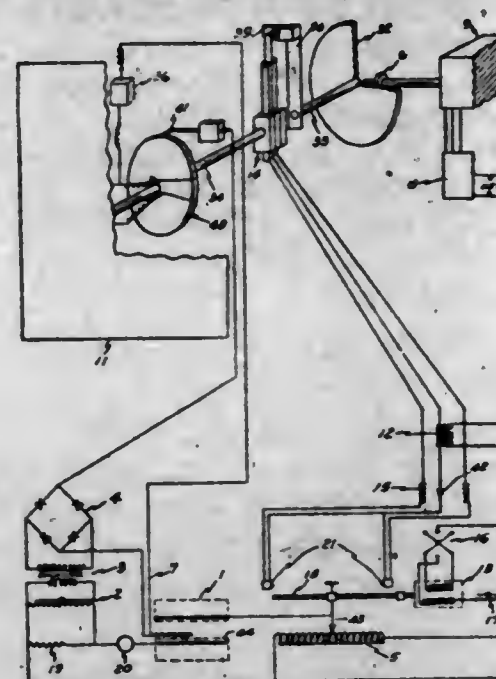
2,385,308

HEATING RATE CONTROLLER

Russell J. Smith, Houghton, Mich.
Application September 28, 1944, Serial No. 556,155
5 Claims. (Cl. 219-20)

1. A temperature controller for an electrical heating system comprising electrical heating means in circuit with a source of alternating electromotive force of variable potential, electrically controlled means for varying the potential of said electromotive force to vary the heating influence, another electrical circuit in heating relation with said electrical heating means so that the electromotive force of said second circuit varies di-

rectly with the temperature change created by said electrical heating means, electrical pyrometer control mechanism for said electrically controlled means, means for rectifying a portion of the electromotive force in said heating circuit and superimposing said supplementary electromotive force upon the electromotive force in said

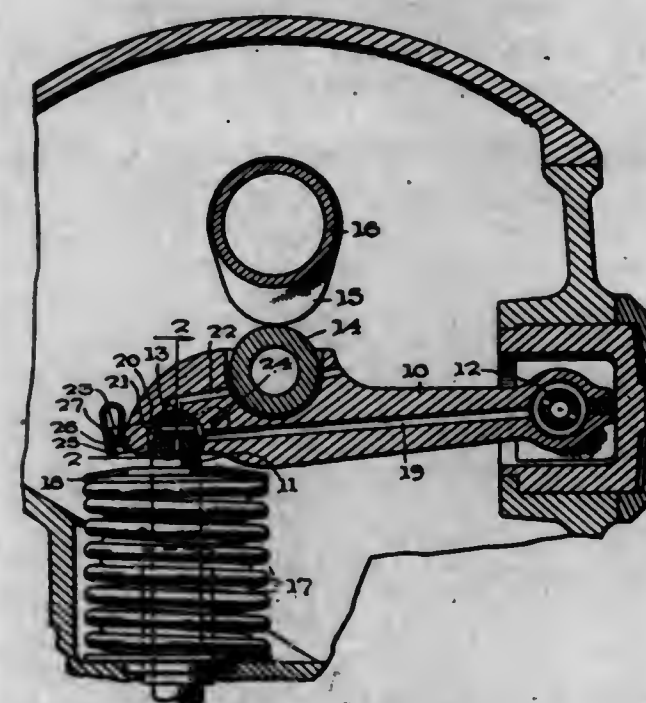


second circuit, and means for introducing the electromotive force of the said second circuit and the supplementary electromotive force from the rectifying means into the pyrometer control circuit for the purpose of actuating said pyrometer control mechanism to anticipate control conditions and maintain a substantially constant rate of temperature change.

2,385,309

VALVE ACTUATING MECHANISM

Louis R. Spencer, West Hartford, Conn., assignor to Spencer Aircraft Motors, Inc., Hartford, Conn., a corporation of Connecticut
Application September 18, 1944, Serial No. 554,689
10 Claims. (Cl. 74-519)



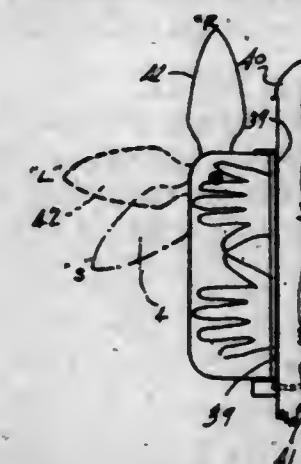
1. A valve actuating mechanism comprising a rocker arm having a valve stem engaging disk journaled therein, characterized by said arm having a disk receiving recess extending transversely therethrough in which the disk is rotatably supported with the ends of the disk exposed at opposite sides of the arm, removable retainer bars carried on said arm and normally positioned across the ends of said recess at opposite sides of said arm, and means for releasably locking said bars in their normal position, said disk being rotatably supported in its recess independently of said retainer bars.

578 O. G.-29

2,385,310

VEHICLE DIRECTION INDICATING SIGNAL

Floyd B. Stober, Portland, Oreg.
Application January 24, 1944, Serial No. 519,471
4 Claims. (Cl. 116-35)

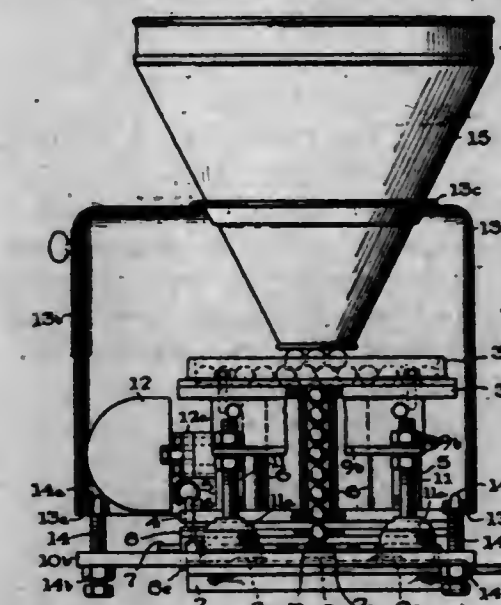


1. A vehicle direction indicating signal comprising a housing adapted to be mounted on a vehicle, a sheath hingedly mounted to the housing, a semaphore pivotally attached to the sheath, and remote control means operatively connected with the sheath and semaphore for first swinging the sheath outwardly from the housing into contact with a stop means and then swinging the semaphore outwardly from the sheath into various positions to indicate predetermined maneuvers of the vehicle.

2,385,311

LOADING DEVICE

William Strauss, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, a corporation of Pennsylvania
Application July 9, 1942, Serial No. 450,350
5 Claims. (Cl. 18-30)



3. A loading device for preforms comprising, in combination, a horizontal feeding tray, a plurality of storage tubes leading out of the bottom of said tray, a storage hopper for preforms having an outlet opening of relatively small area compared with the area of said tray for supplying preforms to said tray, means for mounting said hopper above said tray and for adjustment of the height of said outlet opening above the bottom of said tray, a stationary stop-plate mounted below the lower ends of said storage tubes and in spaced relation thereto, said stop plate having apertures formed therein according to the arrangement of said tubes but in offset relation thereto, a shiftable transfer plate positioned between said stop-plate and the lower ends of said tubes and having apertures formed therein according to the arrangement of said tubes, biasing means for normally holding said transfer plate so the apertures thereof are in line with said tubes, a receiving plate mounted for

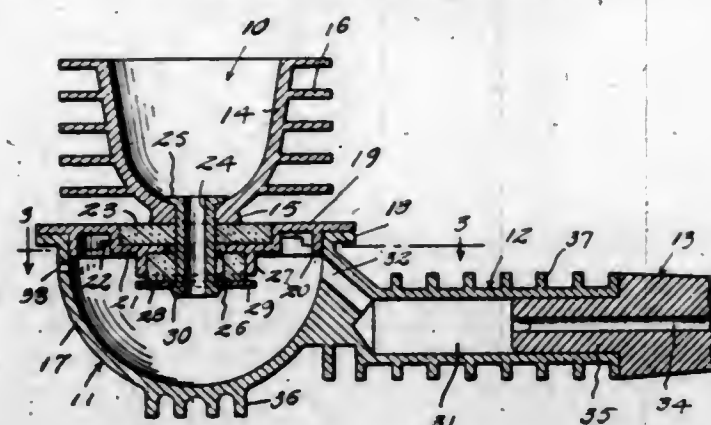
movement to a position below said stop plate, and means controlled by movement of said receiving plate for shifting said transfer plate to a position where the apertures thereof register with the apertures in said stop-plate.

2,385,312

SMOKING PIPE

Walter G. Swift, Detroit, Mich.

Application September 6, 1944, Serial No. 552,894
1 Claim. (Cl. 131-194)

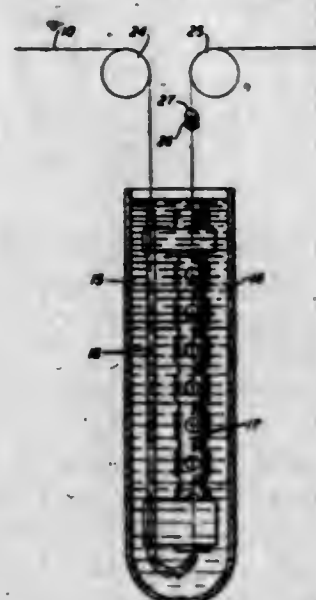


A smoking pipe comprising a bowl, a circular plate below said bowl, a downwardly offset socket formed in said plate, a heat insulating washer in said socket, an annular flange depending from said socket, a second heat insulating washer engaging within said flange and having a thickness greater than the depth of said flange, a second circular plate bearing against the lower side of said second washer, a tubular securing member securing said bowl, said plates and washers together, a liquid reservoir, an annular depending flange carried by said first plate and frictionally engaging in said reservoir, and a stem extending from said reservoir.

2,385,313

METHOD OF PREPARING A COATING SUSPENSION

Elmer A. Thurber, Brooklyn, N. Y., and Leland A. Wooten, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 22, 1941, Serial No. 416,088
1 Claim. (Cl. 204-181)



The method of preparing aggregate suspensions having a high percentage of colloidal particles from carbonates of relatively large size particles for deposition by electrophoresis on filamentary wire of small diameter, which comprises grinding crystalline barium and strontium carbonates for an extended period from 100 to 200 hours in a dispersing medium of vacuum distilled ethylene glycol with riddled

flint pebbles in a ball-mill whereby the particles are reduced in diameter to 2.0 microns or less and from 35 to 50 per cent of the aggregate has a particle size of 0.5 micron in diameter, or less.

2,385,314

FURYL SULPHONATES

Jack T. Thurston, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 1, 1942,
Serial No. 453,277

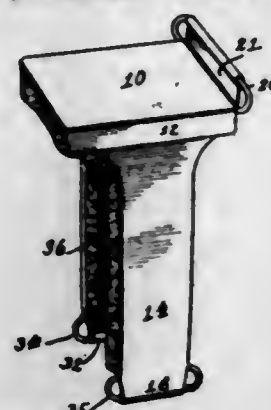
3 Claims. (Cl. 260-345)
1. A mono-1-alpha-furyl-substituted aliphatic monosulphonate-1.

2,385,315

SHOULDER PAD

Armand A. Vanasse, Waterbury, Conn.

Application November 3, 1944, Serial No. 561,700
7 Claims. (Cl. 2-2)



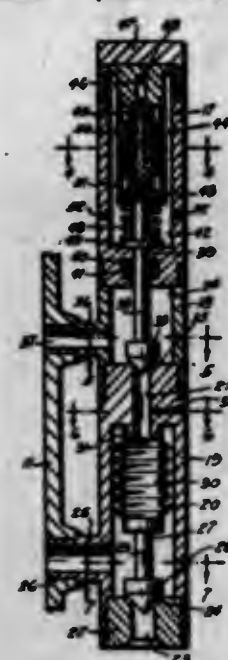
1. In a weight-supporting protective shoulder pad, an interior U-shaped skeleton wire frame having a rectangular top section and a pair of depending rectangular side wings, a U-shaped cushion padding located within said wire frame, and an exterior U-shaped sheet metal cover located outside of said wire frame.

2,385,316

WELL FLOW DEVICE

Robert O. Walton, Dallas, Tex., assignor to Merla Tool Corporation, Dallas, Tex., a corporation of Texas

Application June 9, 1944, Serial No. 539,424
18 Claims. (Cl. 103-233)



1. A flow device adapted to be connected in a well tubing and including, a housing having a flow passage for establishing communication between the exterior and interior of the well tubing, a main valve element for controlling the flow through said passage, movable means acted upon by the pressure of the fluid exteriorly of the tubing for normally holding the main valve in a seated or closed position shutting off flow through

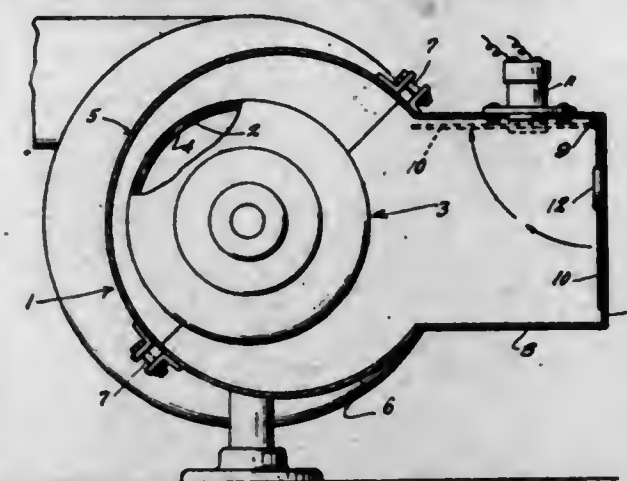
the passage, and pilot valve means arranged to be actuated when the pressure exteriorly of the tubing reaches a predetermined point for releasing the pressure acting on the movable means, whereby the main valve is opened to admit flow into the tubing upon the establishment of a predetermined pressure exteriorly of said tubing.

2,385,317

OIL BURNER DRAFT CONTROL

Joseph A. White, New London, Conn.

Application April 28, 1943, Serial No. 484,901
2 Claims. (Cl. 158-28)

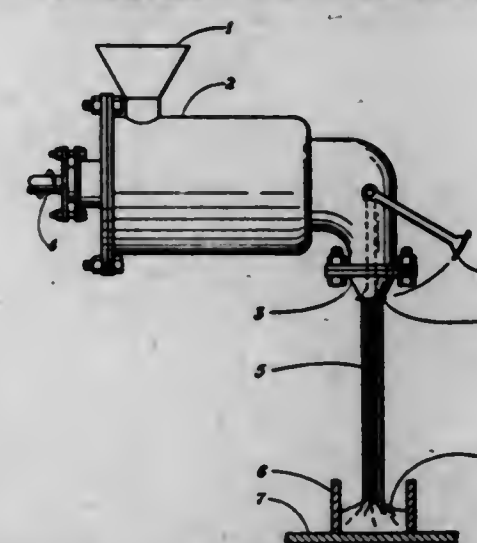


1. An automatic draft control for a fuel oil burner including a blower having an air intake, and a driving motor for the blower, comprising a drum having an air intake and adapted to be mounted on the blower in communication with the air intake of the latter, a gravity closed closure controlling the air intake of the drum and movable to partially open position by suction of the blower, and an electro-magnet carried by said drum and adapted to be connected in parallel with the motor so as to be energized for completely opening and retaining the closure in completely open position when the motor is rendered operative.

2,385,318

FABRICATING POLYMERIC VINYLIDENE CHLORIDE

Ralph M. Wiley, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application February 26, 1943, Serial No. 477,215
3 Claims. (Cl. 18-47.5)



1. A method of fabricating articles from polymeric vinylidene chloride which comprises melting the material, forming the melted material into a thin stream less than $\frac{1}{8}$ inch thick, cooling the thin stream only to the temporarily tacky state in which the material is still capable of coalescence, and not below 90° C., forming a unitary mass by uniting exposed tacky surfaces of the moderately cooled stream, and, before recrystallization from the temporarily tacky condition has been induced by temperature alone,

2,385,319

PRESSURE-SENSITIVE ADHESIVE SHEETS

Warner Eustis, Newton, Mass., and George Robert Orrill, Western Springs, Ill., assignors to The Kendall Company, Boston, Mass., a corporation of Massachusetts

No Drawing. Application February 21, 1941,
Serial No. 380,012

4 Claims. (Cl. 117-122)

1. A pressure-sensitive adhesive tape comprising a flexible backing bearing on one side thereof an exposed homogeneous coating of a rubber adhesive mass normally having tacky, stable, pressure-sensitive qualities, said mass containing vulcanizing ingredients including a thiuram polysulfide which on heating releases sulfur to effect vulcanization, said vulcanizing ingredients in the quantity present being inactive at ordinary conditions of temperature to allow said adhesive to remain normally stable with tacky pressure-sensitive qualities but being active under predetermined and controlled conditions of elevated temperature to vulcanize completely said adhesive to set said coating into a firm, permanently non-tacky condition, and the other side of said tape presenting a dry exposed surface, said adhesive coating being firmly bonded to said flexible backing permitting rolling and unrolling of said tape directly on its dry back surface when the adhesive coating is in its normally pressure-sensitive state without detrimental picking of said adhesive.

2,385,320

FINISHING PIGMENT-RESIN COLORED FABRICS

Ralph D. Greene, Roy H. Kienle, and Richard D. Vartanian, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application September 2, 1942,
Serial No. 457,106

6 Claims. (Cl. 117-76)

4. In making textile fabrics colored by emulsion-deposited pigments, the method of improving the wash-fastness, dry crock resistance and wet crock resistance of the pigmented surfaces which comprises the steps of treating at least portions of the fabric surface with an emulsion containing a light-fast pigment and a binder selected from the group consisting of the heat-curable alkyd and heat-curable alkylated amide-aldehyde type resins; curing said binder by heating, whereby the pigment is adhere to the fibers comprising the fabric; treating at least the pigmented portions with an aqueous solution of an uncured water-soluble, heat-curable, amide-aldehyde resin, which resin has been etherified with a polyhydric alcohol; drying the treated fabric and heating said dried fabric to cure the heat-curable, amide-aldehyde resin.

2,385,321

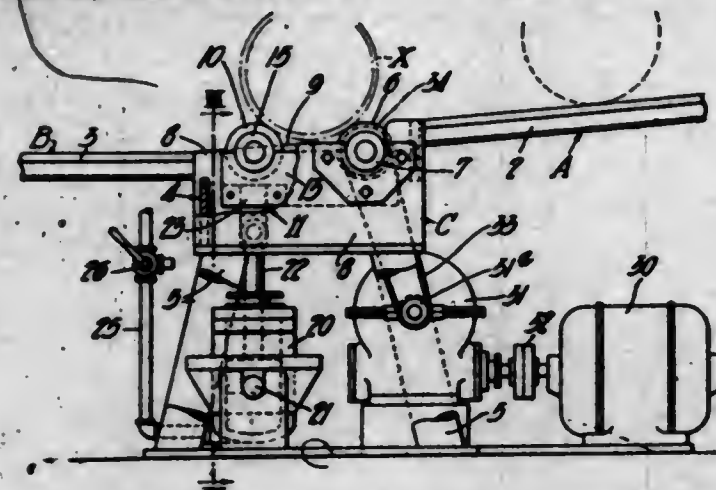
INSPECTION TABLE

John A. Miller, Pittsburgh, Pa., assignor to National Tube Company, a corporation of New Jersey

Application July 13, 1944, Serial No. 544,801
8 Claims. (Cl. 214-1)

1. Pipe inspection apparatus comprising a pair of end members having inclined upper surfaces,

a pair of spaced parallel rolls disposed between said members and transversely thereof, one of said rolls having a portion thereof disposed above said inclined surfaces, the other of said rolls being adjustably mounted in a vertical plane, and means



for elevating said roll to raise a portion thereof above said inclined surfaces to provide a pipe receiving trough between said rolls and to lower it to permit pipe to roll therefrom on said inclined surfaces.

2,385,322

SOAP MOLDING MACHINE

Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application August 13, 1942, Serial No. 454,713
24 Claims. (Cl. 25-7)

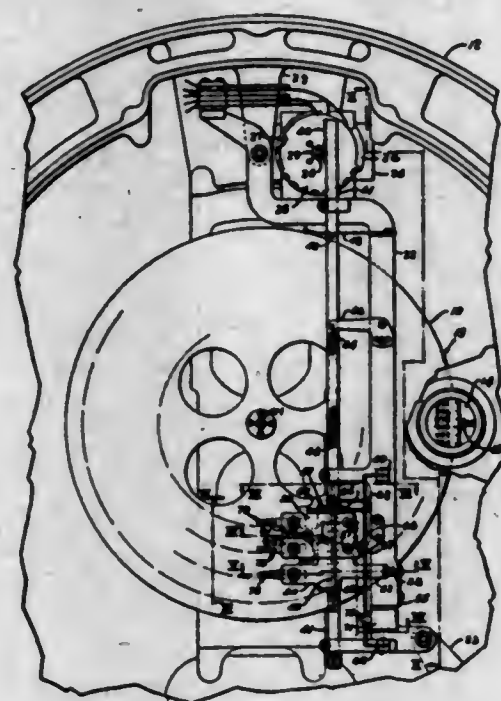


1. A machine for solidifying and stacking a material that may be extruded and solidified comprising means to extrude said material, and means to receive and support the extruded material while it is solidifying, means for feeding a rack into position to receive the solidified material, means to automatically feed a second rack into said position as the preceding rack is filled, means to sever the extruded stick, and means to feed a rack past the severing means whereby the severed product may be placed on the rack.

2,385,323

SENSING MECHANISM

Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application December 18, 1942, Serial No. 469,427
14 Claims. (Cl. 177-351)



1. In a device for registering numerical values, in combination, a designation bearing member movable into position for examination, said member bearing a plurality of series of increment designating elements, there being sharply defined transition points between said elements, impulse transmitting mechanism, a plurality of element examining members movable relative to said designation bearing member for examining said elements and for controlling said impulse transmitting mechanism in accordance with the values designated thereby, portions of those said elements designating the smallest increments being first examined by corresponding element examining members at such transition points, and means responsive to such first examination for shifting the others of said element examining members away from such transition points, thereby preventing erroneous examination of higher increment elements.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

(Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907)

Abbott Laboratories, North Chicago, Ill. Chemotherapeutic agents of bactericidal or bacteriostatic activity. Serial No. 484,004; Sept. 18. Class 6.
Agency Paper Company, New York, N. Y. Paper desk calendars and paper desk calendar pads. Serial No. 483,414; Sept. 18. Class 37.
Aladdin Industries, Incorporated, Alexandria, Va., and Chicago, Ill. Vacuum bottles and heat-insulated receptacles. Serial No. 480,127; Sept. 18. Class 2.
Apex Specialty Company: See—
Carson, George M.
Aufhauser, Alfred, doing business as Industrial Raw Materials Company, New York, N. Y. Wax compositions. Serial No. 483,756; Sept. 18. Class 16.
Aumann, William E., St. Louis, Mo. Candy. Serial No. 484,226; Sept. 18. Class 46.
Avon Sole Company, Avon, Mass. Shoe soles. Serial No. 481,604; Sept. 18. Class 39.
Banner Plastics Co., New York, N. Y. Toy boats, toy automobiles, children's toy tea sets, etc. Serial No. 480,364; Sept. 18. Class 22.
Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic lenses. Serial No. 484,518; Sept. 18. Class 26.
Bird & Son, Inc., East Walpole, Mass. Water-absorbing fibre mats. Serial No. 477,055; Sept. 18. Class 50.
Boardman's, Mrs., Food Products: See—
Solomon, Millicent K.
British Medical Laboratories Limited, Bournemouth, England. Pharmaceutical preparations. Serial No. 472,972; Sept. 18. Class 8.
Callegari, John A., doing business as Callegari Products Co., Chicago, Ill. Orange, tamarind, strawberry, raspberry, cherry and other flavored syrups for soft drinks. Serial No. 482,465; Sept. 18. Class 45.
Callegari Products Co.: See—
Callegari, John A.
Campana Corporation, Batavia, Ill. Lipstick. Serial No. 477,732; Sept. 18. Class 6.
Cannon & Waller, Incorporated, Toledo, Ohio. Smoking tobacco and cigarettes. Serial No. 483,256; Sept. 18. Class 17.
Capson Hat Company, Inc., New York, N. Y., and Fall River, Mass. Men's hats. Serial No. 482,412; Sept. 18. Class 39.
Carson, George M., doing business as Apex Specialty Company. Optical goods. Serial No. 483,258; Sept. 18. Class 26.
Cheerful Stationery Co., Minneapolis, Minn. Stationery, specifically, boxed writing paper and envelopes. Serial No. 483,885; Sept. 18. Class 37.
Clenolir Products Company, New York, N. Y. Cream deodorant, liquid deodorant, deodorant stick, etc. Serial No. 483,466; Sept. 18. Class 6.
Confections, Inc., Chicago, Ill. Caramel coated puffed wheat. Serial No. 463,091; Sept. 18. Class 46.
Corning Glass Works, Corning, N. Y. Glass wool. Serial No. 468,560; Sept. 18. Class 1.
Dache, Lilly, Inc., New York, N. Y. Ladies' hats. Serial No. 482,136; Sept. 18. Class 39.
Diversey Corporation, The, Chicago, Ill. Product in liquid form. Serial No. 475,557; Sept. 18. Class 16.
Dovington, Inc., Brookline, Mass. Leather jackets, snow suits, fleece and alpaca-lined jackets and coats, etc. Serial No. 483,307; Sept. 18. Class 39.
Dowdall, Inc., New York, N. Y. Women's negligees, pajamas, and underwear. Serial No. 483,610; Sept. 18. Class 39.
Eiberle, Paul, Baltimore, Md. Hair tonic. Serial No. 482,368; Sept. 18. Class 6.
Eisenberg Jewelry, Inc., Chicago, Ill. Clips, pins, rings, etc. Serial No. 480,567; Sept. 18. Class 28.
Endo Products, Inc., New York, N. Y. Soluble riboflavin derivative. Serial No. 483,768; Sept. 18. Class 6.
Etablissements Rigaud, Inc., New York, N. Y. Perfumes and toilet waters. Serial No. 484,168; Sept. 18. Class 6.
Fisch & Company, Los Angeles, Calif. Men's sport shirts. Serial No. 483,311; Sept. 18. Class 39.
Fisher Governor Company, Marshalltown, Iowa. Constant pump governors; excess or differential pump governors; pressure reducing valves, etc. Serial No. 470,178; Sept. 18. Class 13.
Garay Toiletries, Inc., New York, N. Y. Cologne, deodorant, and after shave lotion. Serial No. 483,968; Sept. 18. Class 6.
Garden Products Company: See—
Palmer, Edward C.
Hamilton, William I., Inc., New York, N. Y. A combined handy information and memorandum. Serial No. 480,453; Sept. 18. Class 38.
Helman, Arthur S., Inc., New York, N. Y. Rayon piece goods. Serial Nos. 482,990-1; Sept. 18. Class 42.

Holiday Casuals, New York, N. Y. Slippers. Serial No. 480,823; Sept. 18. Class 39.
Industrial Raw Materials Company: See—
Aufhauser, Alfred.
Jantzen Knitting Mills, Portland, Ore. Swimming suits, swimming trunks, sport shirts, etc. Serial No. 481,184; Sept. 18. Class 39.
Jantzen Knitting Mills, Portland, Ore. Winter sports clothing. Serial No. 482,492; Sept. 18. Class 39.
Kinney, H. W., and Sons, Inc., Columbus, Ohio. Carbohydrate syrup for infant feeding. Serial No. 484,787; Sept. 18. Class 46.
Krambo Food Stores, Incorporated, Oshkosh, Wis. Coffee. Serial No. 467,785; Sept. 18. Class 46.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Tooth brushes. Serial No. 473,254; Sept. 18. Class 29.
Lawrence Laboratories, Brooklyn, N. Y. Shampoo and compounds for the treatment for removing dandruff, etc. Serial No. 482,108; Sept. 18. Class 6.
Leavell, Joe T., doing business as Leavell's Pure Juice Co., Pico, Calif. Frozen citrus juices. Serial No. 471,263; Sept. 18. Class 46.
Leavell's Pure Juice Co.: See—
Leavell, Joe T.
Lederle Laboratories, Inc., New York, N. Y. Tyrothricin preparation. Serial No. 483,906; Sept. 18. Class 6.
Lennard, Lee-Narvill & Co. Limited, Yorkshire, England. Perfumery preparations for treatment of the hair, face powders, etc. Serial No. 475,061; Sept. 18. Class 6.
Lentheric, Incorporated, New York, N. Y. Perfumes and perfume preparations, toilet waters, etc. Serial No. 483,689; Sept. 18. Class 6.
Le Souler, Inc., Boston, Mass. Perfumes, toilet waters, sachet powders, etc. Serial No. 479,884; Sept. 18. Class 6.
Maas, W. S., Inc., New York, N. Y. Brassieres. Serial No. 484,401; Sept. 18. Class 39.
Mann, Leo, Boston, Mass. Composition consisting of concentrated essential oils, chemicals and solvents. Serial No. 484,054; Sept. 18. Class 6.
Mem Company, assignor to Mem Company, a co-partnership composed of Paul M. E. Mayer, Renee A. Mayer, and Stephen Herbert Mayer, New York, N. Y. Bath oil. Serial No. 479,393; Sept. 18. Class 6.
Meyer, Maximilian C., Brooklyn, N. Y. Baseball game. Serial No. 472,647; Sept. 18. Class 22.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Polish for varnished, painted, lacquered and enameled surfaces. Serial No. 483,778; Sept. 18. Class 16.
Mosso, C. A., Company, Chicago, Ill. Antiseptic preparation. Serial No. 483,077; Sept. 18. Class 6.
National Screw & Manufacturing Company, The, Cleveland, Ohio. Bolts, nuts, rivets, etc. Serial No. 476,815; Sept. 18. Class 13.
Nedlick's Stores, Inc., New York, N. Y. Nonalcoholic, noncereal, maltless beverages and concentrates and syrups for the manufacture thereof. Serial No. 483,912; Sept. 18. Class 46.
Newman, Nat., Inc., Atlantic City, N. J. Candy. Serial No. 481,118; Sept. 18. Class 46.
Niagara Filter Corporation, Buffalo, N. Y. Gravity-operated and powered elevating conveyors. Serial No. 469,506; Sept. 18. Class 23.
North American Foods Incorporated, Boston, Mass. Frozen foods, frozen cooked foods. Serial No. 477,114; Sept. 18. Class 46.
Nuodex Products Co., Inc., Elizabeth, N. J. Wetting and dispersing agents. Serial No. 481,121; Sept. 18. Class 16.
Oakes & Co., also doing business as Tru-Test, Chicago, Ill. Pneumatic rubber and rubber fabric tires and inner tubes for automobiles and tractors. Serial No. 480,618; Sept. 18. Class 35.
Pacific Coast Marine Fireman, Oilers, Watertenders & Wipers' Association, San Francisco, Calif. Comic strips. Serial No. 483,916; Sept. 18. Class 38.
Palmer, Edward C., doing business as Garden Products Company, St. Louis, Mo. Insecticide. Serial No. 475,584; Sept. 18. Class 6.
Paxton, Elisha W., doing business as Vakaid, St. Louis, Mo. Instrument for the treatment of sinus trouble. Serial No. 476,817; Sept. 18. Class 44.
Prince Matchabelli, Inc., New York, N. Y. Bath oil. Serial No. 483,116; Sept. 18. Class 6.
Roth Fabrics Corporation, New York, N. Y. Rayon fabrics in the piece. Serial No. 484,276; Sept. 18. Class 42.
Scheidt, Adam, Brewing Company, Norristown, Pa. Beer. Serial No. 483,987; Sept. 18. Class 48.
Schreter, A., & Sons, Inc., Baltimore, Md. Money belts, money bags and purses, wallets, etc. Serial No. 470,356; Sept. 18. Class 3.

LIST OF TRADE-MARK APPLICANTS

Seeman Brothers, Inc., New York, N. Y. Fruit juices. Serial No. 480,474; Sept. 18. Class 45.
Sink, Paul C., also doing business as Paul C. Sink Co., Los Angeles, Calif. Laundry and drycleaning machinery. Serial No. 483,351; Sept. 18. Class 24.
Sink, Paul C. Co.: See—
Sink, Paul C.
Solomon, Millicent K., doing business as Mrs. Boardman's Food Products, Boston, Mass. Salad dressing. Serial No. 468,821; Sept. 18. Class 46.
Sweetman, George A., Estancia, N. Mex. Preparation for use in the treatment of snake bites. Serial No. 483,011; Sept. 18. Class 6.
Traub, Lyons, Oppenheim, Inc., New York, N. Y. Piece goods of rayon, cotton, and rayon and cotton mixtures. Serial No. 482,599; Sept. 18. Class 42.
Tru-Test: See—
Oakes & Co.
United States War Department, Washington, D. C. Comic strip. Serial No. 483,998; Sept. 18. Class 38.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Brick Company, Fort Worth, Tex. Brick and tile of ceramic and like material. 416,474; Sept. 18; Serial No. 468,058; published July 10, 1945. Class 12.
Adel Precision Products Corp., Burbank, Calif. Hydraulic control valves. 416,473; Sept. 18; Serial No. 466,247; published July 10, 1945. Class 13.
Affiliated Industries: See—
White, O. Robert.
Agar Packing & Provision Company to Agar Packing & Provision Corporation, Chicago, Ill. Beef, pork, sheep, and veal carcasses and parts thereof. 200,758; renewed July 7, 1945. O. G. Sept. 18. Class 46.
Agar Packing & Provision Corporation: See—
Agar Packing & Provision Company.
Agricultural Laboratories, Inc., Columbus, Ohio. Insecticides. 416,564; Sept. 18. Class 6.
Alan-Gilmore Co., Chicago, Ill. Men's, women's, and children's coats and jackets. 416,588; Sept. 18. Class 39.
Aluminum Cooking Utensil Company, The, Pittsburgh, to The Aluminum Cooking Utensil Company, New Kensington, Pa. Cooking utensils. 45,726; re-renewed Aug. 29, 1945. O. G. Sept. 18. Class 13.
American Brass Company, The: See—
Waterbury Brass Goods Corporation, The.
American Glossite Company, Inc., The, New York, N. Y. Phonograph records. 416,575; Sept. 18. Class 36.
American Lady Corset Co., Detroit, Mich. Brassieres, corset waists, corsets, etc. 199,162; renewed June 2, 1945. O. G. Sept. 18. Class 39.
American Lady Corset Co.: See—
Siegel, J., & Co.
American Thread Company, The: See—
Willimantic Linen Company, The.
Antikamnia Chemical Company, The, St. Louis, Mo., to Lafayette Drug Co., Inc., Jersey City, N. J. Medicinal tablets for pain and fever, headache, etc. 48,064; re-renewed Dec. 5, 1945. O. G. Sept. 18. Class 6.
Associated Knitted Outerwear Mills, Inc., New York, N. Y. Men's, boys' and children's underwear and knitted outerwear. 416,524; Sept. 18; Serial No. 481,456; published July 10, 1945. Class 39.
Associated Knitted Outerwear Mills, Inc., New York, N. Y. Men's, boys' and children's underwear and knitted outerwear. 416,525; Sept. 18; Serial No. 481,458; published July 10, 1945. Class 39.
Atlantic Mills, Olneyville, Providence, R. I., to A. D. Juillard & Co., Inc., New York, N. Y. Worsted piece goods. 202,939; renewed Sept. 8, 1945. O. G. Sept. 18. Class 42.
Aurora Dental Specialties Company: See—
Currier, Clark P.
Babbitt, B. T., Inc., Albany and New York, N. Y. Remembrance book. 416,493; Sept. 18; Serial No. 479,610; published July 3, 1945. Class 37.
Bailey, A. H., Company: See—
Bailey, Alexander H.
Bailey, Alexander H., doing business as A. H. Bailey Company, Darby, Pa. Fabric slippers. 416,560; Sept. 18. Class 39.
Bama Company, The, Birmingham, Ala. Fruit preserves, peanut butter, salad dressing, etc. 416,523; Sept. 18; Serial No. 481,306; published July 10, 1945. Class 46.
Bennett Glass & Paint Company, Salt Lake City, Utah. Dry, paste, and ready-mixed paints, varnishes, and enamels. 206,205; renewed Nov. 24, 1945. O. G. Sept. 18. Class 16.
Bennett Glass & Paint Company, Salt Lake City, Utah. Dry, paste, and ready-mixed paints, varnishes, and enamels, etc. 206,312; renewed Nov. 24, 1945. O. G. Sept. 18. Class 16.
Benz Toilet Products, Inc., to Raymond C. Goodwin, Syracuse, N. Y. Petroleum jelly and catarrhal jelly. 205,496; renewed Nov. 10, 1945. O. G. Sept. 18. Class 6.

Vakaid: See—
Paxton, Elisha W.
Westinghouse Electric Corporation: See—
Westinghouse Electric & Manufacturing Company.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., and Baltimore, Md., now by change of name Westinghouse Electric Corporation. X-ray apparatus for the making of X-ray exposures. Serial No. 482,186; Sept. 18. Class 21.
Wilson, Richard H., Maplewood, N. J. Multiple disc manipulable calculators. Serial No. 481,597; Sept. 18. Class 26.
Wuerpel, Charles E., New Rochelle, N. Y. Powdered admixture for concrete. Serial No. 482,911; Sept. 18. Class 12.
Wyandotte Chemicals Corporation, Wyandotte, Mich. Caustic soda composition. Serial Nos. 481,818-9; Sept. 18. Class 6.
Wyer, Alfred, New York, N. Y. Watches, cased and uncased. Serial No. 483,298; Sept. 18. Class 27.

Blair Manufacturing Company, Springfield, Mass. Lawn mowers. 206,848; renewed Dec. 8, 1945. O. G. Sept. 18. Class 23.
Blake Company, The: See—
Blake, John D.
Blake, John D., doing business as The Blake Company, Rockford, Ill. Painters' drop cloths. 206,279; renewed Nov. 24, 1945. O. G. Sept. 18. Class 42.
Blickman, S., Inc., Weehawken, N. J. Apparatus designed for restaurant and lunch-room service. 202,174; renewed Aug. 18, 1945. O. G. Sept. 18. Class 13.
Bloch & Guggenheimer, Inc., New York, to Bloch & Guggenheimer, Inc., Long Island City, N. Y. Pickles, sour mixed pickles, sweet mixed pickles, etc. 206,763; renewed Dec. 8, 1945. O. G. Sept. 18. Class 46.
Blum, Harry, doing business as Philip Blum & Company, to Philip Blum and Company, Inc., Chicago, Ill. Whisky. 199,630; renewed June 16, 1945. O. G. Sept. 18. Class 49.
Blum, Philip, & Company: See—
Blum, Harry.
Blum, Philip, and Company, Inc.: See—
Blum, Harry.
Bobrow Bros., Inc.: See—
Hart, Theodore H., & Co.
Booth, Fred A., Jr., doing business as Dental Artcraft Co., Miami, Fla. Waxing media and porcelain used in dentistry. 416,566; Sept. 18. Class 44.
Boothton Coal Mining Company: See—
Southern Coal & Coke Company.
Brandt, René, Fabrique d'Horlogerie Ogival, La Chaux-de-Fonds, Switzerland. Watches and parts of the watch. 416,531; Sept. 18; Serial No. 481,661; published July 3, 1945. Class 27.
Bremner, Andrew & Company Limited, Aberdeen, Scotland. Preserved herring. 197,900; renewed Apr. 28, 1945. O. G. Sept. 18. Class 46.
Brightwater Paper Company, Dover, Del., and Adams, Mass. Writing paper. 416,480; Sept. 18; Serial No. 474,776; published June 26, 1945. Class 37.
Brown & Bailey Company, Philadelphia, Pa. Folding paper boxes, cartons, cases, and containers. 206,047; renewed Nov. 24, 1945. O. G. Sept. 18. Class 2.
Bryn Mawr Smokers Novelty Co., Chicago, Ill. Poker chips. 416,522; Sept. 18; Serial No. 481,269; published July 10, 1945. Class 22.
Bureau of National Affairs, Incorporated, The, Washington, D. C. Periodical publications. 416,578; Sept. 18. Class 38.
Camp, Erwin, doing business as Camp Hosiery Mills, New York, N. Y. Hosiery. 416,536; Sept. 18. Class 39.
Camp Hosiery Mills: See—
Camp, Erwin.
Camthol Company, The, to Shuptrine Company, Savannah, Ga. Medicinal salve. 199,788; renewed June 16, 1945. O. G. Sept. 18. Class 6.
Certified Gauge & Instrument Corp., Long Island City, N. Y. Pressure gauges. 416,540; Sept. 18; Serial No. 482,092; published July 3, 1945. Class 26.
Chadwyk, Co. New York, N. Y. Ladies' and misses' suits, coats, jackets, skirts. 416,526; Sept. 18; Serial No. 481,461; published July 10, 1945. Class 39.
Chadwyk Co., New York, N. Y. Girls' and juniors' coats, suits, skirts, jackets. 416,527; Sept. 18; Serial No. 481,462; published July 10, 1945. Class 39.
Chatham Pharmaceuticals, Inc., Newark, N. J. Hemostatics for the control of venous and capillary bleeding, for medicinal preparations, etc. 416,599; Sept. 18. Class 6.
Coal Hill Mining Company, Inc., Du Bois, Pa. Coal. 206,760; renewed Dec. 8, 1945. O. G. Sept. 18. Class 1.
Cohan Co., The, New York, N. Y. Finger rings. 416,532-3; Sept. 18; Serial Nos. 481,695-6; published July 3, 1945. Class 28.
Collins & Fairbanks Company, to Wm. Filene's Sons Company, Boston, Mass. Hats, caps, and bonnets. 48,070; re-renewed Dec. 5, 1945. O. G. Sept. 18. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

Comstock Canning Corporation, Newark, N. Y. Canned apples. 416,568; Sept. 18. Class 46.
Congoleum-Nairn Inc., New York, N. Y., to Congoleum-Nairn Inc., Kearny, N. J. Prepared floor coverings of the tiled cloth type. 202,155; renewed Aug. 18, 1945. O. G. Sept. 18. Class 20.
Cook, Charles D.: See—
Shearman, Harry W.
Cook Farms: See—
Shearman, Harry W.
Cromwell Paper Company, The, Chicago, Ill. Tympan and waterproof, greaseproof, moisture-proof and vapor-proof wrapping paper. 416,479; Sept. 18; Serial No. 472,943; published July 3, 1945. Class 37.
Crozer Land Association, Philadelphia, Pa. Coal. 416,528; Sept. 18; Serial No. 481,468; published July 3, 1945. Class 1.
Currier, Clark P., doing business as Aurora Dental Specialties Company, Aurora, Ill. Cutting materials and polishing powder. 205,144; renewed Nov. 3, 1945. O. G. Sept. 18. Class 4.
Dallas Manufacturing Co., The, Huntsville, Ala. Cotton piece goods. 206,708; renewed Dec. 8, 1945. O. G. Sept. 18. Class 42.
Dental Artcraft Co.: See—
Booth, Fred A., Jr.
Douglas Fir Plywood Association, Tacoma, Wash. Plywood sheathing. 416,548; Sept. 18; Serial No. 482,313; published July 10, 1945. Class 12.
Douglas Fir Plywood Association, Tacoma, Wash. Plywood. 416,549; Sept. 18; Serial No. 482,314; published July 10, 1945. Class 12.
Dry-Pack Corporation, New York, N. Y. Dehydrated food mix. 416,520; Sept. 18; Serial No. 481,136; published July 10, 1945. Class 46.
Dubled, Edouard, & Cie Société Anonyme, Couvet, Switzerland. Bicycles, automobiles and structural parts thereof. 203,558; renewed Sept. 22, 1945. O. G. Sept. 18. Class 10.
Duncan, Fox & Co., Inc., New York, N. Y. Insecticides. 206,732; renewed Dec. 8, 1945. O. G. Sept. 18. Class 6.
Easy Way Manufacturing Co.: See—
Oserowsky, Harold L.
Edison Citrus Association, Edison, Calif. Fresh oranges. 200,110; renewed June 23, 1945. O. G. Sept. 18. Class 46.
Edison Citrus Association, Edison, Calif. Fresh oranges. 200,749; renewed July 7, 1945. O. G. Sept. 18. Class 46.
Elly, Edward A., doing business as E. A. Elly Record Company, New York, N. Y. Phonograph records. 416,541; Sept. 18; Serial No. 482,095; published July 10, 1945. Class 36.
Elly, E. A., Record Company: See—
Elly, Edward A.
Ellmore Silver Co., Inc., The, Meriden, Conn. Jewelry. 416,498; Sept. 18; Serial No. 479,842; published June 26, 1945. Class 28.
Elting Brothers, New York, N. Y. Hosiery and men's, women's and children's underwear. 206,833; renewed Dec. 8, 1945. O. G. Sept. 18. Class 39.
Elwyn, Leo, & Co., Inc., New York, N. Y. Bracelets. 416,490; Sept. 18; Serial No. 478,861; published June 26, 1945. Class 28.
Ente, Lew, Corp., New York, N. Y. Watches, watch movements and watch parts. 416,542; Sept. 18; Serial No. 482,099; published July 10, 1945. Class 27.
Ettelbrick Shoe Company, Greenup, Ill. Children's shoes. 416,556; Sept. 18. Class 39.
Fashion Park, Inc., Rochester, N. Y. Men's suits, vests, trousers, etc. 416,544; Sept. 18; Serial No. 482,140; published July 10, 1945. Class 39.
Fashion Park, Inc., Rochester, N. Y. Men's coats, vests, and pants. 416,545; Sept. 18; Serial No. 482,150; published July 10, 1945. Class 39.
Fashion Park, Inc., Rochester, N. Y. Men's coats, vests, pants and overcoats. 416,546; Sept. 18; Serial No. 482,243; published July 10, 1945. Class 39.
Fashion Park, Inc., Rochester, N. Y. Coats, vests, pants, etc. for men and boys. 416,547; Sept. 18; Serial No. 482,244; published July 10, 1945. Class 39.
Fashion Park, Inc., Rochester, N. Y. Men's coats, vests, pants, and overcoats. 416,551; Sept. 18; Serial No. 482,474; published July 10, 1945. Class 39.
Fashion Park, Inc., New York, N. Y. Men's overcoats, coats, vests, and pants. 416,552; Sept. 18; Serial No. 482,478; published July 10, 1945. Class 39.
Fashion Park, Inc., Rochester, N. Y. Men's and young men's suits and overcoats. 416,553; Sept. 18; Serial No. 482,481; published July 10, 1945. Class 39.
Fashion Park, Inc., Rochester, N. Y. Men's coats, vests, pants, and overcoats. 416,554; Sept. 18; Serial No. 482,482; published July 10, 1945. Class 39.
Filene's, Wm., Sons Company: See—
Collins & Fairbanks Company.
Fishery Products, Inc., Boston, Mass. Sea foods. 416,513-14; Sept. 18; Serial Nos. 480,754-5; published July 10, 1945. Class 46.
Fiske, Jonathan P. B., Auburndale, Mass. Flame coloring material. 416,573; Sept. 18. Class 6.
Flood, James J., Phoenix, Ariz. Fresh vegetables. 416,494; Sept. 18; Serial No. 479,671; published July 10, 1945. Class 46.

Florence: See—
Lustig, Florence.
Fowkes Brothers & Co. Inc., Gloversville, Amsterdam and New York, N. Y. Leather gloves. 206,811; renewed Dec. 8, 1945. O. G. Sept. 18. Class 39.
Fowkes Brothers & Co., Incorporated: See—
Fowkes Brothers & Co.
Fowkes Brothers & Co., London, England, and New York, to Fowkes Brothers & Co., Incorporated, Gloversville, Amsterdam, and New York, N. Y. Gloves. 45,656; re-renewed Aug. 29, 1945. O. G. Sept. 18. Class 39.
Franklyn-Milross, Inc., New York, N. Y. Air mail letter paper and envelopes. 416,501; Sept. 18; Serial No. 480,175; published July 10, 1945. Class 37.
Franklyn-Milross, Inc., New York, N. Y. Letter paper and envelopes. 416,505; Sept. 18; Serial No. 480,445; published June 26, 1945. Class 37.
Fritzner, Harold, doing business as Viking Marine Co., Seattle, Wash. Ship debarcation and embarkation equipment. 416,497; Sept. 18; Serial No. 479,741; published July 10, 1945. Class 50.
Geller, Andrew, Shoe Manufacturing Co. Inc., Brooklyn, N. Y. Leather. 416,543; Sept. 18; Serial No. 482,100; published July 3, 1945. Class 1.
General Chain Company, Providence, R. I., to General Chain Company, Inc., North Attleboro, Mass. Chains for personal wear. 196,421; renewed Mar. 17, 1945. O. G. Sept. 18. Class 28.
General Chain Company, Inc.: See—
General Chain Company.
General Instrument Corporation, New York, N. Y., to General Instrument Corporation, Elizabeth, N. J. Electron tube amplification units or stages, complete radio frequency amplifiers, etc. 200,396; renewed June 30, 1945. O. G. Sept. 18. Class 21.
General Instrument Corporation, New York, N. Y., to General Instrument Corporation, Elizabeth, N. J. Electrical insulation compound. 200,397; renewed June 30, 1945. O. G. Sept. 18. Class 2.
Gilbert, William L., Clock Corporation, Winsted, Conn. Clocks. 416,529; Sept. 18; Serial No. 481,535; published July 3, 1945. Class 27.
Globe Roofing Products Co., Inc., Whiting, Ind. Mineral surfaced asphalt shingles. 416,478; Sept. 18; Serial No. 471,075; published May 8, 1945. Class 12.
Good Gremlin Doll Co., The, Monterey Park, Calif. Dolls. 416,584; Sept. 18. Class 22.
Goodwin, Raymond C.: See—
Benz Toilet Products, Inc.
Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. 416,508; Sept. 18; Serial No. 480,572; published July 10, 1945. Class 39.
Griffin, L. P., Distributing Company: See—
Griffin, Loy P.
Griffin, Loy P., doing business as L. P. Griffin Distributing Company, Edinburg, Tex. Fresh tomatoes. 416,567; Sept. 18. Class 46.
Grunwald-Marx, Los Angeles, Calif. Dress shirts. 416,590; Sept. 18. Class 39.
Gulberson Diesel Engine Company, Dallas, Tex. Diesel engines and parts thereof. 416,476; Sept. 18; Serial No. 470,336; published Nov. 7, 1944. Class 23.
Harrower Laboratory, Inc., The, Wilmington, Del., and Glendale, to The Harrower Laboratory, Inc., Glendale, Calif. Concentrated sterile solutions for hypodermic injection. 206,831; renewed Dec. 8, 1945. O. G. Sept. 18. Class 6.
Hart, Theodore H., & Co., to Bobrow Bros., Inc., Philadelphia, Pa. Cigars. 45,558; re-renewed Aug. 22, 1945. O. G. Sept. 18. Class 17.
Hewitt Rubber Corporation, Buffalo, N. Y. Latex foam. 416,485-6; Sept. 18; Serial Nos. 476,058-9; published July 10, 1945. Class 1.
Hickok Manufacturing Company, Rochester, N. Y. Articles made of precious and semi-precious metals, etc. 416,518; Sept. 18; Serial No. 480,822; published June 26, 1945. Class 28.
Highland Exchange Association, Highland, Calif. Fresh citrus fruits. 205,940; renewed Nov. 17, 1945. O. G. Sept. 18. Class 46.
Hoffman, J. L., Company, Allentown, Pa. Stock and poultry tonic. 200,324; renewed June 30, 1945. O. G. Sept. 18. Class 6.
Honegger Feed Mills: See—
Honeggers' & Co.
Honeggers' & Co., also doing business as Honegger Feed Mills, Forrest, Ill. Hog feed. 416,499; Sept. 18; Serial No. 479,979; published July 10, 1945. Class 46.
House Organ Feature Service: See—
Wineberg, Henry J.
Hovden, K., doing business as Western Fish Products Co., Monterey, Calif. Canned fish. 416,601; Sept. 18. Class 46.
Hudnut, Richard, New York, N. Y. Soap. 206,054; re-renewed Nov. 24, 1945. O. G. Sept. 18. Class 4.
Hudnut, Richard, to Richard Hudnut, New York, N. Y. Perfumeries, toilet articles, and preparations. 27,327; re-renewed Nov. 26, 1945. O. G. Sept. 18. Class 6.
Hull, A. E., Pottery Company, Crooksville, Ohio. Pottery. 416,576; Sept. 18. Class 30.
Imperial Malt Co.: See—
Maggio, Alex. J.

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Imperial Malt Company: See—
Maggio, Alex J.
Industrial Press, The, to The Industrial Press, New York, N. Y. Monthly paper. 46,064; re-renewed Sept. 5, 1945. O. G. Sept. 18. Class 38.
International Silver Company, Meriden, Conn. Sterling silver flat-ware and hollow-ware for table use and the like. 416,530; Sept. 18; Serial No. 481,540; published July 3, 1945. Class 28.
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 416,471; Sept. 18; Serial No. 460,994; published July 10, 1945. Class 39.
Jensen, Georg, Inc., New York, N. Y. Perfumes and toilet water. 416,580; Sept. 18. Class 6.
Jewelry by Wallace, Forest Hills, N. Y. Bracelets, brooches, earrings, etc. 416,481; Sept. 18; Serial No. 475,208; published July 10, 1945. Class 28.
Jordeau, Jean, Inc.: See—
Nu-Art Laboratories, Inc.
Joyce, Inc., Pasadena, Calif. Shoe lasts. 416,555; Sept. 18; Serial No. 483,374; published July 10, 1945. Class 50.
Julliard, A. D., & Co., Inc.: See—
Atlantic Mills.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Hosiery and garters. 208,842; renewed Dec. 8, 1945. O. G. Sept. 18. Class 39.
King of Slacks, Inc., New York, N. Y. Slacks for women. 416,477; Sept. 18; Serial No. 471,035; published July 3, 1945. Class 39.
Kington Watch Company, New York, N. Y. Watches. 416,500; Sept. 18; Serial No. 480,112; published June 26, 1945. Class 27.
Kommel, A. & Sons, New York, N. Y. Hosiery. 416,515; Sept. 18; Serial No. 480,774; published July 3, 1945. Class 39.
Koplow Trimming Company, also doing business as Windsor Button Shop, Boston, Mass. Common pins. 416,577; Sept. 18. Class 40.
Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Canned peas, canned mixed vegetables. 198,722; renewed May 26, 1945. O. G. Sept. 18. Class 46.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Potatoes. 416,470; Sept. 18; Serial No. 452,103; published May 4, 1945. Class 46.
Kroll Brothers Company, Chicago, Ill. Bed springs and crib springs. 416,581; Sept. 18. Class 32.
Lafayette Drug Co., Inc.: See—
Antikamnia Chemical Company.
La Floreal Parfums Sales Co.: See—
Simon, Harry A.
Landenburger, Morris, doing business as Mola Novelty Company, New York, N. Y. Leather wallets and purses. 416,472; Sept. 18; Serial No. 465,951; published July 10, 1945. Class 3.
Laskin, J. & Sons, Corp., New York, N. Y. Tanned and treated skins. 416,534; Sept. 18; Serial No. 481,743; published July 3, 1945. Class 1.
Legion of the Half-a-Heart, Los Angeles, Calif. Pins, brooches, clasps, and clips. 416,492; Sept. 18; Serial No. 479,521; published July 3, 1945. Class 28.
Loft Candy Corporation: See—
Loft Incorporated.
Loft Incorporated, New York, to Loft Candy Corporation, Long Island City, N. Y. Candy. 206,133; renewed Nov. 24, 1945. O. G. Sept. 18. Class 46.
Loulson, Bessie: See—
Red Sea Balsam Co.
Lowell Company, The, to Primrose House, Inc., New York, N. Y. Face creams, cleansing creams, face powders, etc. 206,711; renewed Dec. 8, 1945. O. G. Sept. 18. Class 6.
Lowell Lingerie Company, Lowell, Mass. Slips for women, misses, and girls. 416,511; Sept. 18; Serial No. 480,712; published July 10, 1945. Class 39.
Lumms & Company, Philadelphia, Pa. Salted peanuts, peanut butter, and nut confections. 416,550; Sept. 18; Serial No. 482,430; published July 10, 1945. Class 46.
Lustig, Florence, doing business as Florence, New York, N. Y. Vestee. 416,565; Sept. 18. Class 39.
Maggio, Alex J., doing business as Imperial Malt Co., to Imperial Malt Company, Chicago, Ill. Malt extract. 206,293; renewed Nov. 24, 1945. O. G. Sept. 18. Class 46.
Magic Collieries Company, to Norton Coal Corporation, Nortonville, Ky. Coal. 203,289; renewed Sept. 15, 1945. O. G. Sept. 18. Class 1.
Magosy & Buscher, to Magosy & Buscher, New York, N. Y. Banjo resonator attachments. 202,564; renewed Aug. 25, 1945. O. G. Sept. 18. Class 36.
Marathon Corporation, Rothschild, Wis. Waxed paper bread wrappers, paper napkins, and plain waxed paper. 416,495; Sept. 18; Serial No. 479,687; published June 26, 1945. Class 37.
Marcus & Co., Inc., New York, N. Y. Jewelry for personal wear and metal articles of adornment. 416,506; Sept. 18; Serial No. 480,464; published July 10, 1945. Class 28.
Marcus, Louis, Corporation, The, Baltimore, Md. Coats for women and misses. 416,571; Sept. 18. Class 39.
Mathes, Edmond, Tramelan (Canton of Berne), Switzerland. Watches and parts thereof. 416,484; Sept. 18; Serial No. 475,698; published July 3, 1945. Class 27.

Mathieson Alkali Works, (Inc.), The, New York, N. Y. Lye. 206,630; renewed Dec. 8, 1945. O. G. Sept. 18. Class 6.
McBrady, Bernard: See—
McBrady, John E.
McBrady, J. E., & Co.: See—
McBrady, John E.
McBrady, J. E., & Company: See—
McBrady, John E.
McBrady, John E., doing business as J. E. McBrady & Company to Bernard McBrady, doing business as J. E. McBrady & Co., Chicago, Ill. Preparation used to prevent sunburn. 206,631; renewed Dec. 8, 1945. O. G. Sept. 18. Class 6.
Meadtex Fabrics Co., The, New York, N. Y. Ladies' misses' and girls' dresses, slips, playsuits, etc. 416,483; Sept. 18; Serial No. 475,541; published July 10, 1945. Class 39.
Mevi Incorporated, New York, N. Y. Game boards. 416,597; Sept. 18. Class 22.
Mitchell, Norman D., doing business as Wire-O-Binding Company of Chicago, Chicago, Ill. Photograph albums. 416,502; Sept. 18; Serial No. 480,295; published July 3, 1945. Class 37.
Mola Novelty Company: See—
Landenburger, Morris.
Monsanto Chemical Company: See—
Rubber Service Laboratories Company.
More, James, Limited, Wick, Scotland. Preserved herrings. 198,286; renewed May 12, 1945. O. G. Sept. 18. Class 46.
Muffet, Mary, Inc., St. Louis, Mo. Lipstick paper tissues. 416,482; Sept. 18; Serial No. 475,448; published July 10, 1945. Class 37.
National Olive Products Co.: See—
Padula, Elmer.
National Republican Press Association, Inc., Chicago, Ill. Educational or political magazine. 416,561; Sept. 18. Class 38.
Nebraska Fertilizer Company, Omaha, Nebr. Sheep manure. 204,730; renewed Oct. 27, 1945. O. G. Sept. 18. Class 10.
Nethe, I. J., & Company, New York, N. Y. Scarfs. 416,579; Sept. 18. Class 39.
New Haven Clock Company, The, New Haven, Conn. Clocks. 46,132; re-renewed Sept. 5, 1945. O. G. Sept. 18. Class 27.
Newman Mercantile Company, The, Enid, Okla. Ladies' and men's coats and suits, and ladies' fur coats, etc. 416,587; Sept. 18. Class 39.
New Process Company, Warren, Pa. Women's dresses. 416,572; Sept. 18. Class 39.
New Process Company, Warren, Pa. Women's coats. 416,574; Sept. 18. Class 39.
Norton Coal Corporation: See—
Magic Collieries Company.
Nu-Art Laboratories, Inc., to Jean Jordeau, Inc., South Orange, N. J. Depilatory. 206,839; renewed Dec. 8, 1945. O. G. Sept. 18. Class 6.
Nunn-Bush Shoe Company, Milwaukee, Wis. Men's and boys' shoes, oxfords, slippers, etc. 416,596; Sept. 18. Class 39.
Oakes & Co., also doing business as Tru-Test, Chicago, Ill. Rockwool insulation, asphalt and composition roofing, building paper, etc. 416,509; Sept. 18; Serial No. 480,608; published June 19, 1945. Class 12.
Oakes & Co., also doing business as Tru-Test, Chicago, Ill. Footballs, tennis balls, baseballs, etc. 416,510; Sept. 18; Serial No. 480,615; published June 19, 1945. Class 22.
Oakley Paint Manufacturing Co.: See—
Oakley, Richard H.
Oakley Paint Manufacturing Company: See—
Oakley, Richard H.
Oakley, Richard H., doing business as Oakley Paint Manufacturing Company, to Oakley Paint Manufacturing Co., Los Angeles, Calif. Mixed paints. 199,621; renewed June 16, 1945. O. G. Sept. 18. Class 16.
Oakley, Richard H., doing business as Oakley Paint Manufacturing Co., to Oakley Paint Manufacturing Co., Los Angeles, Calif. Dry, paste, and ready-mixed paints, oils, varnish, etc. 202,290; renewed Aug. 18, 1945. O. G. Sept. 18. Class 16.
Olney & Floyd, to Olney & Floyd, Inc., Westernville, N. Y. Canned fruits and canned vegetables. 201,713; renewed Aug. 4, 1945. O. G. Sept. 18. Class 46.
Olney & Floyd, to Olney & Floyd, Inc., Westernville, N. Y. Canned vegetables. 204,432; renewed Oct. 20, 1945. O. G. Sept. 18. Class 46.
Olney & Floyd Inc.: See—
Olney & Floyd.
Oserowsky, Harold L., doing business as Easy Way Manufacturing Co., Bay City, Mich. Valve pullers. 416,491; Sept. 18; Serial No. 478,972; published July 10, 1945. Class 23.
Pacific Mills, New York, N. Y. Woven or inwoven, partly or completely treated fabrics for wrapping electrical conductors. 416,496; Sept. 18; Serial No. 479,721; published July 10, 1945. Class 21.
Padula, Elmer, doing business as National Olive Products Co., Lindsay, Calif. Olive products. 416,600; Sept. 18. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Parfumerie Scherk: See—
Scherk, Ludwig.
Parker Pen Company, The, Janesville, Wis. Fountain pens and mechanical pencils. 416,512; Sept. 18; Serial No. 480,716; published July 10, 1945. Class 37.
Parodney, Abraham: See—
Sunshine, Jacob.
Pelling, Stanley & Co. Ltd., Liverpool, England. Preserved, canned, bottled, and dried fruits. 201,524; renewed July 28, 1945. O. G. Sept. 18. Class 46.
Pfister & Vogel Leather Company, to Pfister & Vogel Tanning Company, Milwaukee, Wis. Leathers. 204,637; renewed Oct. 20, 1945. O. G. Sept. 18. Class 1.
Pfister & Vogel Tanning Company: See—
Pfister & Vogel Leather Company.
Preventosan Laboratories: See—
Sunshine, Jacob.
Price Brothers Company, Frederick, Md. Magnetic controls. 416,521; Sept. 18; Serial No. 481,160; published July 10, 1945. Class 21.
Primrose House, Inc.: See—
Lowell Company, The.
Providence Jewelers, Inc., Providence, R. I. Necklaces, pins, bracelets, etc. 416,535; Sept. 18; Serial No. 481,905; published July 3, 1945. Class 28.
Prudential Paper Products Company, New York, N. Y. Writing paper, tablets, envelopes, etc. 416,488; Sept. 18; Serial No. 477,306; published June 26, 1945. Class 37.
Raffetto, G. B., Inc., New York, N. Y. Fruits preserved in branded sirup. 206,687; renewed Dec. 8, 1945. O. G. Sept. 18. Class 46.
Red Sea Balsam Co., New Bedford, to Bessie Louison, Taunton, Mass. Medicinal preparation of balsam. 206,656; renewed Dec. 8, 1945. O. G. Sept. 18. Class 6.
Refrigeration Publications, Inc., Cleveland, Ohio. Publication published monthly. 416,582; Sept. 18. Class 38.
Reiss-Premier Corporation, The, West New York, N. Y. Smokers' pipes, cigars and cigarette holders. 416,536-7; Sept. 18; Serial Nos. 481,908-9; published July 3, 1945. Class 8.
Richardson Corporation, Rochester, N. Y. Topping made from a mixture of sugars, boysenberries, black raspberries, loganberries, youngberries, and pectin. 416,589; Sept. 18. Class 46.
Roddenberry Brothers, Cairo, Ga. Table syrup. 416,602; Sept. 18. Class 46.
Roesland Farm and Manufacturing Company, Warrensburg, Mo. Sausage. 199,472; renewed June 9, 1945. O. G. Sept. 18. Class 46.
Rothenberg, James J., New York, N. Y. Ladies' misses' and girls' dresses, blouses, jackets, etc. 416,595; Sept. 18. Class 39.
Rothschild, David, & Co., to David Rothschild Company, Columbus, Ga. Cotton, woolen, linen, and silk piece fabrics. 199,363; renewed June 9, 1945. O. G. Sept. 18. Class 42.
Rothschild, David, & Co., to David Rothschild Company, Columbus, Ga. Cotton, woolen, linen, and silk piece fabrics. 200,501; renewed July 7, 1945. O. G. Sept. 18. Class 42.
Rothschild, David, Company: See—
Rothschild, David, & Co.
Roto-Shaver Incorporated, The, Stamford, Conn., and New York, N. Y. Dry shavers. 416,507; Sept. 18; Serial No. 480,473; published July 10, 1945. Class 23.
Rubber Service Laboratories Company, Akron, Ohio, to Monsanto Chemical Company, St. Louis, Mo. Compounding ingredient and rubber softener. 205,685; renewed Nov. 10, 1945. O. G. Sept. 18. Class 6.
Ruppert, Jacob, New York, N. Y. Near beer. 206,129; renewed Nov. 24, 1945. O. G. Sept. 18. Class 48.
Russell Company, The, Hattiesburg and Jackson, Miss. Peanut butter, pickle relish spread, mayonnaise, etc. 416,585; Sept. 18. Class 46.
Sacks, Harriet, New York, N. Y. Smoking pipes. 416,538; Sept. 18; Serial No. 481,960; published July 3, 1945. Class 8.
Scherk, Ludwig, doing business as Parfumerie Scherk, Berlin, Germany, to Ludwig Scherk, Inc., New York, N. Y. Perfumery, cosmetics, mouth wash, etc. 205,120; renewed Nov. 3, 1945. O. G. Sept. 18.
Scherk, Ludwig, Inc.: See—
Scherk, Ludwig.
Schneerson, I., & Sons, Co., New York, N. Y. Ladies' chemises, pajamas, dresses, etc. 416,516; Sept. 18; Serial No. 480,795; published July 10, 1945. Class 39.
Scott & Bowne, Bloomfield, N. J. Cod-liver oil for dogs. 206,680; renewed Dec. 8, 1945. O. G. Sept. 18. Class 6.
Scott & Bowne, Bloomfield, N. J. Cod-liver oil for foxes. 206,681; renewed Dec. 8, 1945. O. G. Sept. 18. Class 6.
Scott & Bowne, Bloomfield, N. J. Cod-liver oil for hens. 206,682; renewed Dec. 8, 1945. O. G. Sept. 18. Class 6.
Scott & Bowne, Bloomfield, N. J. Cod-liver oil for chickens. 206,683; renewed Dec. 8, 1945. O. G. Sept. 18. Class 6.

Selmer, H. & A., Incorporated, Elkhart, Ind. Musical instrument cases. 416,583; Sept. 18. Class 36.
Shearing, H. W., & Co.: See—
Shearing, Harry W.
Shearing, Harry W., doing business as H. W. Shearing & Co., Marilla, to Charles D. Cook, doing business as Cook Farms, Valhalla, N. Y. Dairy products. 203,820; renewed Sept. 29, 1945. O. G. Sept. 18. Class 46.
Shuptrine Company: See—
Camthol Company, The.
Siegel, J., & Co., to American Lady Corset Co., Detroit, Mich. Corsets. 44,845; re-renewed July 25, 1945. O. G. Sept. 18. Class 39.
Simmons, R. F., Company, to R. F. Simmons Company, Attleboro, Mass. Jewelry-chains. 46,855; re-renewed Oct. 10, 1945. O. G. Sept. 18. Class 28.
Simon, Harry A., doing business as La Floreal Parfums Sales Co., Hollywood, Calif. Perfumes. 416,562; Sept. 18. Class 6.
Smith, E. T., Company, Worcester, Mass. Blended coffee. 45,542; re-renewed Aug. 22, 1945. O. G. Sept. 18. Class 46.
Smith, E. T., Company, Worcester, Mass. Coffee, tea, and wheat flour. 202,464; renewed Aug. 25, 1945. O. G. Sept. 18. Class 46.
Société Anonyme d'Exploitation des Papeteries L. Lacroix Fils, Angoulême, France. Cigarette wrappers and papers. 199,901; renewed June 23, 1945. O. G. Sept. 18. Class 8.
Solomon Bros. Co., New York, N. Y. Men's and women's sport jackets and shirts. 416,517; Sept. 18; Serial No. 480,799; published July 10, 1945. Class 39.
Southern Coal & Coke Company, to Boothton Coal Mining Company, Boothton, Ala. Coal. 201,690; renewed Aug. 4, 1945. O. G. Sept. 18. Class 1.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. 199,786; renewed June 16, 1945. O. G. Sept. 18. Class 15.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. 201,959; renewed Aug. 11, 1945. O. G. Sept. 18. Class 15.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Coupon books and coupons. 202,978; renewed Sept. 8, 1945. O. G. Sept. 18. Class 38.
Steck Company, The, Austin, Tex. Safety paper. 416,487; Sept. 18; Serial No. 476,408; published July 10, 1945. Class 37.
Stedt, Arthur R., doing business as Stedt Little Folk Toy Co., Minneapolis, Minn. Toy doll cradles. 416,489; Sept. 18; Serial No. 478,599; published July 10, 1945. Class 22.
Stedt Little Folk Toy Co.: See—
Stedt, Arthur R.
Stelzer Bros. Inc., New York, N. Y. Handbags, billfolds, wallets, etc. 416,592; Sept. 18. Class 3.
Strauss, Louis B., Brooklyn, N. Y. Men's and women's sweaters, suits, scarfs, etc. 416,557-9; Sept. 18. Class 39.
Structural Slate Company, The, Pen Argyl, Pa. Enamelled and painted slate products. 204,814; renewed Oct. 27, 1945. O. G. Sept. 18. Class 13.
Summers Fertilizer Company, Inc., The, Baltimore, Md. Fertilizers. 206,424; renewed Dec. 1, 1945. O. G. Sept. 18. Class 10.
Sunshine, Jacob, doing business as Preventosan Laboratories, to Abraham Parodney, doing business as Preventosan Laboratories, New York, N. Y. Preventatives for venereal diseases. 200,262; renewed June 30, 1945. O. G. Sept. 18. Class 6.
Superb Glove Company, The, Johnstown, N. Y. Gloves. 416,598; Sept. 18. Class 39.
Thompson-Weinman & Co. Inc., Cartersville, Ga. Mechanically ground calcium carbonate. 416,469; Sept. 18; Serial No. 426,466; published July 3, 1945. Class 1.
Twentieth Century Frocks, Los Angeles, Calif. Suits, coats, dresses, etc., for women and misses. 416,519; Sept. 18; Serial No. 481,089; published July 10, 1945. Class 39.
United Wallpaper, Inc., Chicago, Ill. Wallpaper, borders and decorative paper coverings. 416,504; Sept. 18; Serial No. 480,391; published July 3, 1945. Class 37.
Vance Knitting Company, Inc., Kernersville, N. C. Hosiery. 206,270; renewed Nov. 24, 1945. O. G. Sept. 18. Class 39.
W. & H. Jewelry Company, Inc., Providence, R. I. Infants' and children's jewelry. 416,570; Sept. 18. Class 28.
Wadsworth Watch Case Company, The, Dayton, Ky. Compacts, cigarette cases and lighters, watch bands, etc. 416,475; Sept. 18; Serial No. 470,322; published July 10, 1945. Class 28.
Waltham Watch Company, Waltham, Mass. Watches. 416,539; Sept. 18; Serial No. 482,082; published July 10, 1945. Class 27.
Waterbury Brass Goods Corporation, The, to The American Brass Company, Waterbury, Conn. Solder. 206,474; renewed Dec. 1, 1945. O. G. Sept. 18. Class 14.
Watkins, J. R., Company, The, Winona, Minn. Liquid face powders, face powders, face creams, etc. 206,583; renewed Dec. 8, 1945. O. G. Sept. 18. Class 6.

Weber, F., Co., Philadelphia, Pa. Drawing instruments. 206,406; renewed Dec. 1, 1945. O. G. Sept. 18. Class 26.
 Welta Watch Co., Ltd., Bienne, Switzerland. Watches. 416,503; Sept. 18; Serial No. 480,361; published July 3, 1945. Class 27.
 Western Fish Products Co.: See—
 Hovden, K.
 White, O. Robert, doing business as Affiliated Industries, New York, N. Y. Hair tinting materials. 416,563; Sept. 18. Class 6.
 Willimantic Linen Company, The, Willimantic and Hartford, Conn., to The American Thread Company, New York, N. Y. Spool-cotton. 27,198; re-renewed Nov. 12, 1945. O. G. Sept. 18. Class 43.

Windsor Button Shop: See—
 Koplows Trimming Company.
 Wineberg, Henry J., doing business as House Organ Feature Service, Chicago, Ill. Publication issued periodically. 416,591; Sept. 18. Class 38.
 Wire-O-Binding Company of Chicago: See—
 Mitchell, Norman D.
 Wyandotte Chemicals Corporation, Wyandotte, Mich. Detergent composition. 416,593; Sept. 18. Class 4.
 Wyandotte Chemicals Corporation, Wyandotte, Mich. Sodium silicate composition. 416,594; Sept. 18. Class 4.
 Young Originals, New York, N. Y. Misses', junior misses' and girls', dresses, slacks, outer shorts, etc. 416,569; Sept. 18. Class 39.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Calcium carbonate, Mechanically ground. Thompson-Weinman & Co., Inc. 416,469; Sept. 18; Serial No. 426,466; published July 3, 1945.
 Coal, Southern Coal & Coke Company. 201,690; renewed Aug. 4, 1945. O. G. Sept. 18.
 Coal, Magic Collieries Company. 203,289; renewed Sept. 15, 1945. O. G. Sept. 18.
 Coal, Coal Hill Mining Company, Inc. 206,760; renewed Dec. 8, 1945. O. G. Sept. 18.
 Coal, Crozer Land Association. 416,528; Sept. 18; Serial No. 481,468; published July 3, 1945.
 Latex foam. Hewitt Rubber Corporation. 416,485-6; Sept. 18; Serial Nos. 476,058-9; published July 10, 1945.
 Leather. Andrew Geller Shoe Manufacturing Co., Inc. 416,543; Sept. 18; Serial No. 482,100; published July 3, 1945.
 Leathers. Pfister & Vogel Leather Company. 204,637; renewed Oct. 20, 1945. O. G. Sept. 18.
 Skins, Tanned and treated. J. Laskin & Sons, Corp. 416,534; Sept. 18; Serial No. 481,743; published July 3, 1945.

CLASS 2

Boxes, cartons, cases, and containers, Folding paper. Brown & Bailey Company. 206,047; renewed Nov. 24, 1945. O. G. Sept. 18.
 Electrical insulation compound. General Instrument Corporation. 200,397; renewed June 30, 1945. O. G. Sept. 18.

CLASS 3

Handbags, billfolds, wallets, etc. Steizer Bros., Inc. 416,592; Sept. 18.
 Wallets and purses. Leather. M. Landenburger. 416,472; Sept. 18; Serial No. 465,951; published July 10, 1945.

CLASS 4

Detergent composition. Wyandotte Chemicals Corporation. 416,593; Sept. 18.
 Materials and polishing powder, Cutting. C. P. Currier. 205,144; renewed Nov. 3, 1945. O. G. Sept. 18.
 Soap. R. Hudnut. 206,054; renewed Nov. 24, 1945. O. G. Sept. 18.
 Sodium silicate composition. Wyandotte Chemicals Corporation. 416,594; Sept. 18.

CLASS 6

Cod-liver oil for chickens. Scott & Bowne. 206,683; renewed Dec. 8, 1945. O. G. Sept. 18.
 Cod-liver oil for dogs. Scott & Bowne. 206,680; renewed Dec. 8, 1945. O. G. Sept. 18.
 Cod-liver oil for foxes. Scott & Bowne. 206,681; renewed Dec. 8, 1945. O. G. Sept. 18.
 Cod-liver oil for hens. Scott & Bowne. 206,682; renewed Dec. 8, 1945. O. G. Sept. 18.
 Coloring material, Flame. J. P. B. Fiske. 416,573; Sept. 18.
 Compounding ingredient and rubber softener. Rubber Service Laboratories Company. 205,665; renewed Nov. 10, 1945. O. G. Sept. 18.
 Creams, cleansing creams, face powders, etc., Face. Lowell Company. 206,711; renewed Dec. 8, 1945. O. G. Sept. 18.
 Depilatory. Nu-Art Laboratories Inc. 206,839; renewed Dec. 8, 1945. O. G. Sept. 18.
 Hair tinting materials. R. O. White. 416,563; Sept. 18.
 Hemostatics for the control of venous and capillary bleeding, for medicinal preparations, etc. Chatham Pharmaceuticals, Inc. 416,599; Sept. 18.
 Insecticides. Duncan, Fox & Co., Inc. 206,732; renewed Dec. 8, 1945. O. G. Sept. 18.
 Insecticides. Agricultural Laboratories, Inc. 416,564; Sept. 18.
 Jelly and catarrhal jelly, Petroleum. Benz Toilet Products, Inc. 205,496; renewed Nov. 10, 1945. O. G. Sept. 18.
 Lye. Mathieson Alkali Works, (Inc.) 206,630; renewed Dec. 8, 1945. O. G. Sept. 18.

Medicinal preparation of balsam. Red Sea Balsam Co. 206,656; renewed Dec. 8, 1945. O. G. Sept. 18.
 Perfumeries, toilet articles, and preparations. Richard Hudnut. 27,327; re-renewed Nov. 26, 1945. O. G. Sept. 18.
 Perfumery, cosmetics, mouth wash, etc. Ludwig Scherk. 205,120; renewed Nov. 3, 1945. O. G. Sept. 18.
 Perfumes. H. Simon. 416,562; Sept. 18.
 Perfumes and toilet water. Georg Jensen Inc. 416,580; Sept. 18.
 Powders, face powders, face creams, Liquid face. J. R. Watkins Company. 206,583; renewed Dec. 8, 1945. O. G. Sept. 18.
 Preparation used to prevent sunburn. J. E. McBrady. 206,631; renewed Dec. 8, 1945. O. G. Sept. 18.
 Preventatives for venereal diseases. J. Sunshine. 200,262; renewed June 30, 1945. O. G. Sept. 18.
 Salve, Medicinal. Camthol Company. 199,788; renewed June 16, 1945. O. G. Sept. 18.
 Sterile solutions for hypodermic injection, Concentrated. Harrower Laboratory, Inc. 206,831; renewed Dec. 8, 1945. O. G. Sept. 18.
 Tablets for pain and fever, headache, etc., Medicinal. Antikamnia Chemical Company. 48,064; re-renewed Dec. 5, 1945. O. G. Sept. 18.
 Tonic, Stock and poultry. J. L. Hoffman Company. 200,324; renewed June 30, 1945. O. G. Sept. 18.

CLASS 8

Pipes, cigars and cigarette holders, Smokers'. Reiss-Premier Corporation. 416,536-7; Sept. 18; Serial Nos. 481,908-9; published July 3, 1945.
 Pipes, Smoking. H. Sacks. 416,538; Sept. 18; Serial No. 481,960; published July 3, 1945.
 Wrappers and papers, Cigarette. Société Anonyme d'Exploitation des Papeteries L. Lacroix Fils. 199,901; renewed June 23, 1945. O. G. Sept. 18.

CLASS 10

Fertilizers. Summers Fertilizer Company, Inc. 206,424; renewed Dec. 1, 1945. O. G. Sept. 18.
 Manure, Sheep. Nebraska Fertilizer Company. 204,730; renewed Oct. 27, 1945. O. G. Sept. 18.

CLASS 12

Brick and tile of ceramic and like materials. Acme Brick Company. 416,474; Sept. 18; Serial No. 468,058; published July 10, 1945.
 Insulation, asphalt and composition roofing, building paper, etc., Rock wool. Oakes & Co. 416,509; Sept. 18; Serial No. 480,608; published June 19, 1945.
 Plywood. Douglas Fir Plywood Association. 416,549; Sept. 18; Serial No. 482,314; published July 10, 1945.
 Sheathing, Plywood. Douglas Fir Plywood Association. 416,548; Sept. 18; Serial No. 482,313; published July 10, 1945.
 Shingles, Mineral surfaced asphalt. Globe Roofing Products Co., Inc. 416,478; Sept. 18; Serial No. 471,075; published May 8, 1945.

CLASS 13

Apparatus designed for restaurant and lunch-room service. S. Bluckman, Inc. 202,174; renewed Aug. 18, 1945. O. G. Sept. 18.
 Slate products, Enameled and painted. Structural Slate Company. 204,814; renewed Oct. 27, 1945. O. G. Sept. 18.

CLASS 14

Utensils, Cooking. Aluminum Cooking Utensil Company. 45,726; re-renewed Aug. 29, 1945. O. G. Sept. 18.
 Valves, Hydraulic control. Adel Precision Products Corp. 416,473; Sept. 18; Serial No. 466,247; published July 10, 1945.

CLASS 15

Solder. Waterbury Brass Goods Corporation. 206,474; renewed Dec. 1, 1945. O. G. Sept. 18.

CLASS 16

Candles. Standard Oil Company. 199,786; renewed June 16, 1945. O. G. Sept. 18.
 Candles. Standard Oil Company. 201,959; renewed Aug. 11, 1945. O. G. Sept. 18.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 16

Paints, Mixed. R. H. Oakley. 199,621; renewed June 16, 1945. O. G. Sept. 18.
 Paints, oils, varnish, etc., Dry, paste, and ready-mixed. R. H. Oakley. 202,290; renewed Aug. 18, 1945. O. G. Sept. 18.
 Paints, varnishes, and enamels, Dry, paste, and ready-mixed. Bennett Glass & Paint Company. 206,205; renewed Nov. 24, 1945. O. G. Sept. 18.
 Paints, varnishes, and enamels, etc., Dry, paste, and ready-mixed. Bennett Glass & Paint Company. 206,312; renewed Nov. 24, 1945. O. G. Sept. 18.

CLASS 17

Cigars. Theodore H. Hart & Co. 45,558; re-renewed Aug. 22, 1945. O. G. Sept. 18.

CLASS 19

Bicycles, automobiles, and structural parts thereof. Edouard Dubied & Cie Société Anonyme. 203,558; renewed Sept. 22, 1945. O. G. Sept. 18.

CLASS 20

Floor coverings of the oiled cloth type, Prepared. Congoleum-Nairn Inc. 202,155; renewed Aug. 18, 1945. O. G. Sept. 18.

CLASS 21

Electron tube amplification units or stages, complete radio frequency amplifiers, etc. General Instrument Corporation. 200,396; renewed June 30, 1945. O. G. Sept. 18.
 Fabrics for wrapping electrical conductors, Woven or unwoven, partly or completely treated. Pacific Mills. 416,496; Sept. 18; Serial No. 479,721; published July 10, 1945.
 Magnetic controls. Price Brothers Company. 416,521; Sept. 18; Serial No. 481,160; published July 10, 1945.

CLASS 22

Chips, Poker. Bryn Mawr Smokers Novelty Co. 416,522; Sept. 18; Serial No. 481,269; published July 10, 1945.
 Toy doll cradles. A. R. Stedt. 416,489; Sept. 18; Serial No. 478,599; published July 10, 1945.
 Dolls. Good Gremlin Doll Co. 416,584; Sept. 18.
 Footballs, tennis balls, baseballs, etc. Oakes & Co. 416,510; Sept. 18; Serial No. 480,615; published June 19, 1945.
 Game boards. Mevi Incorporated. 416,597; Sept. 18.

CLASS 23

Diesel engines and parts thereof. Guiberson Diesel Engine Company. 416,476; Sept. 18; Serial No. 470,336; published Nov. 7, 1944.
 Mowers, Lawn. Blair Manufacturing Company. 206,848; renewed Dec. 8, 1945. O. G. Sept. 18.
 Pullers, Valve. H. L. Oserowsky. 416,491; Sept. 18; Serial No. 478,972; published July 10, 1945.
 Shavers, Dry. Roto-Shaver Incorporated. 416,507; Sept. 18. Serial No. 480,473; published July 10, 1945.

CLASS 26

Drawing instruments. F. Weber Co. 206,406; renewed Dec. 1, 1945. O. G. Sept. 18.
 Gauges, Pressure. Certified Gauge & Instrument Corp. 416,540; Sept. 18; Serial No. 482,092; published July 3, 1945.

CLASS 27

Clocks. New Haven Clock Company. 46,132; re-renewed Sept. 6, 1945. O. G. Sept. 18.
 Clocks. William L. Gilbert Clock Corporation. 416,529; Sept. 18; Serial No. 481,535; published July 3, 1945.
 Watches. Kingston Watch Company. 416,500; Sept. 18; Serial No. 480,112; published June 26, 1945.
 Watches. Welta Watch Co., Ltd. 416,503; Sept. 18; Serial No. 480,361; published July 3, 1945.
 Watches. Waltham Watch Company. 416,539; Sept. 18; Serial No. 482,082; published July 10, 1945.
 Watches and parts of the watch. R. Brandt. 416,531; Sept. 18; Serial No. 481,661; published July 3, 1945.
 Watches and parts thereof. E. Mathez. 416,484; Sept. 18; Serial No. 475,698; published July 3, 1945.
 Watches, watch movements, and watch parts. Lew Ente Corp. 416,542; Sept. 18; Serial No. 482,099; published July 10, 1945.

CLASS 28

Articles made of precious and semi-precious metals, etc. Hickok Manufacturing Company. 416,518; Sept. 18; Serial No. 480,822; published June 26, 1945.
 Bracelets. Leo Elwyn & Co., Inc. 416,490; Sept. 18; Serial No. 478,861; published June 26, 1945.
 Bracelets, brooches, earrings, etc. Jewelry by Wallace. 416,481; Sept. 18; Serial No. 475,208; published July 10, 1945.
 Chains for personal wear. General Chain Company. 196,421; renewed Mar. 17, 1945. O. G. Sept. 18.
 Compacts, cigarette cases and lighters, watch bands, etc. Wadsworth Watch Case Company. 416,475; Sept. 18; Serial No. 470,322; published July 10, 1945.

Flat-ware and hollow-ware for table use and the like. Sterling Silver. International Silver Company. 416,530; Sept. 18; Serial No. 481,540; published July 3, 1945.
 Jewelry. Ellmore Silver Co., Inc. 416,498; Sept. 18; Serial No. 479,842; published June 26, 1945.
 Jewelry-chains. R. F. Simmons Company. 46,855; re-renewed Oct. 10, 1945. O. G. Sept. 18.
 Jewelry for personal wear and metal articles of adornment. Marcus & Co. Inc. 416,506; Sept. 18; Serial No. 480,464; published July 10, 1945.
 Jewelry, Infants' and children's. W. & H. Jewelry Company, Inc. 416,570; Sept. 18.
 Necklaces, pins, bracelets, etc. Providence Jewelers, Inc. 416,535; Sept. 18; Serial No. 481,905; published July 3, 1945.
 Pins, brooches, clasps, and clips. Legion of the Half-Heart. 416,492; Sept. 18; Serial No. 479,521; published July 3, 1945.
 Rings, Finger. Cohan Co. 416,532-3; Sept. 18; Serial Nos. 481,695-6; published July 3, 1945.

CLASS 30

Pottery. A. E. Hull Pottery Company. 416,576; Sept. 18.

CLASS 32

Springs and crib springs, Bed. Kroll Brothers Company. 416,581; Sept. 18.

CLASS 36

Banjo resonator attachments. Magosy & Buscher. 202,564; renewed Aug. 25, 1945. O. G. Sept. 18.
 Musical instrument cases. H. & A. Selmer Incorporated. 416,583; Sept. 18.
 Phonograph records. E. A. Elly. 416,541; Sept. 18; Serial No. 482,095; published July 10, 1945.
 Phonograph records. American Glossite Company, Inc. 416,575; Sept. 18.

CLASS 37

Albums, Photograph. N. D. Mitchell. 416,502; Sept. 18; Serial No. 480,295; published July 3, 1945.
 Book, Remembrance. B. T. Babbitt, Inc. 416,493; Sept. 18; Serial No. 479,610; published July 3, 1945.
 Letter paper and envelopes, Air mail. Franklyn-Milross, Inc. 416,501; Sept. 18; Serial No. 480,175; published July 10, 1945.
 Paper and envelopes, Letter. Franklyn-Milross, Inc. 416,505; Sept. 18; Serial No. 480,445; published June 26, 1945.
 Paper bread wrappers, paper napkins, and plain waxed paper, Waxed. Marathon Corporation. 416,495; Sept. 18; Serial No. 479,687; published June 26, 1945.
 Paper, Safety. Steck Company. 416,487; Sept. 18; Serial No. 476,408; published July 10, 1945.
 Paper, tablets, envelopes, etc., Writing. Prudential Paper Products Company. 416,488; Sept. 18; Serial No. 477,306; published June 26, 1945.
 Paper tissues, Lipstick. Mary Muffet, Inc. 416,482; Sept. 18; Serial No. 475,448; published July 10, 1945.
 Paper, Writing. Brightwater Paper Company. 416,480; Sept. 18; Serial No. 474,776; published June 26, 1945.
 Pens and mechanical pencils, Fountain. Parker Pen Company. 416,512; Sept. 18; Serial No. 480,716; published July 10, 1945.
 Tympan and waterproof, greaseproof, moisture-proof, and vapor-proof wrapping paper. Cromwell Paper Company. 416,479; Sept. 18; Serial No. 472,943; published July 3, 1945.
 Wallpaper, borders, and decorative paper coverings. United Wallpaper, Inc. 416,504; Sept. 18; Serial No. 480,391; published July 3, 1945.

CLASS 38

Coupon books and coupons. Standard Oil Company. 202,978; renewed Sept. 8, 1945. O. G. Sept. 18.
 Magazine, Educational or political. National Republican Press Association, Inc. 416,561; Sept. 18.
 Paper, Monthly. Industrial Press. 46,064; re-renewed Sept. 5, 1945. O. G. Sept. 18.
 Publication issued periodically. H. J. Wineberg. 416,591; Sept. 18.
 Publication published monthly. Refrigeration Publications, Inc. 416,582; Sept. 18.
 Publications, Periodical. Bureau of National Affairs, Incorporated. 416,578; Sept. 18.

CLASS 39

Brassieres, corset waists, corsets, etc. American Lady Corset Co. 199,162; renewed June 2, 1945. O. G. Sept. 18.
 Chemises, pajamas, dresses, etc., Ladies'. I. Schneerson & Sons, Co. 416,516; Sept. 18; Serial No. 480,795; published July 10, 1945.
 Coats and jackets, Men's, women's and children's. Alan-Gilmore Co. 416,588; Sept. 18.
 Coats and suits, and ladies' fur coats, etc., Ladies' and men's. Newman Mercantile Company. 416,587; Sept. 18.
 Coats for women and misses. Louis Marcus Corporation. 416,571; Sept. 18.
 Coats, suits, skirts, jackets, Girls' and juniors'. Chadwyk Co. 416,527; Sept. 18; Serial No. 481,462; published July 10, 1945.

Coats, vests, and pants, Men's. Fashion Park, Inc. 416,545; Sept. 18; Serial No. 482,150; published July 10, 1945.

Coats, vests, pants and overcoats, Men's. Fashion Park, Inc. 416,546; Sept. 18; Serial No. 482,243; published July 10, 1945.

Coats, vests, pants, and overcoats, Men's. Fashion Park, Inc. 416,551; Sept. 18; Serial No. 482,474; published July 10, 1945.

Coats, vests, pants, and overcoats, Men's. Fashion Park, Inc. 416,554; Sept. 18; Serial No. 482,482; published July 10, 1945.

Coats, vests, pants, etc., for men and boys. Fashion Park, Inc. 416,547; Sept. 18; Serial No. 482,244; published July 10, 1945.

Coats, Women's. New Process Company. 416,574; Sept. 18.

Corsets. J. Siegel & Co. 44,845; re-renewed July 25, 1945. O. G. Sept. 18.

Dresses, blouses, jackets, etc., Ladies', misses', and girls'. J. J. Rothenberg. 416,595; Sept. 18.

Dresses, slacks, outer shorts, etc., Misses', junior misses' and girls'. Young Originals. 416,569; Sept. 18.

Dresses, slips, playsuits, etc., Ladies', misses' and girls'. Meadtex Fabrics Co. 416,483; Sept. 18; Serial No. 475,541; published July 10, 1945.

Dresses, Women's. New Process Company. 416,572; Sept. 18.

Gloves. Fownes Brothers & Co. 45,656; re-renewed Aug. 29, 1945. O. G. Sept. 18.

Gloves. Superb Glove Company. 416,598; Sept. 18.

Gloves, Leather. Fownes Brothers & Co. Inc. 206,811; renewed Dec. 8, 1945. O. G. Sept. 18.

Hats, caps, and bonnets. Collins & Fairbanks Company. 48,070; re-renewed Dec. 5, 1945. O. G. Sept. 18.

Hosiery. E. Camp. 416,586; Sept. 18.

Hosiery. Interwoven Stocking Company. 416,471; Sept. 18; Serial No. 460,994; published July 10, 1945.

Hosiery. Gotham Hosiery Company, Inc. 416,508; Sept. 18; Serial No. 480,572; published July 10, 1945.

Hosiery. A. Kommel & Sons. 416,515; Sept. 18; Serial No. 480,774; published July 3, 1945.

Hosiery. Vance Knitting Company, Inc. 206,270; re-renewed Nov. 24, 1945. O. G. Sept. 18.

Hosiery and garters. Kaufmann Department Stores, Inc. 206,842; renewed Dec. 8, 1945. O. G. Sept. 18.

Hosiery and men's, women's, and children's underwear. Elting Brothers. 206,833; renewed Dec. 8, 1945. O. G. Sept. 18.

Jackets and shirts, Men's and women's sport. Solomon Bros. Co. 416,517; Sept. 18; Serial No. 480,799; published July 10, 1945.

Overcoats, coats, vests, and pants, Men's. Fashion Park, Inc. 416,552; Sept. 18; Serial No. 482,478; published July 10, 1945.

Scarfs. I. J. Nethe & Company. 416,579; Sept. 18.

Shirts, Dress. Grunwald-Marx. 416,590; Sept. 18.

Shoes, Children's. Ettelbrick Shoe Company. 416,556; Sept. 18.

Shoes, oxfords, slippers, etc., Men's and boys'. Nunn-Bush Shoe Company. 416,596; Sept. 18.

Slacks for women. King of Slacks, Inc. 416,477; Sept. 18; Serial No. 471,035; published July 3, 1945.

Slippers, Fabric. A. H. Bailey. 416,560; Sept. 18.

Slips for women, misses and girls. Lowell Lingerie Company. 416,511; Sept. 18; Serial No. 480,712; published July 10, 1945.

Suits and overcoats, Men's and young men's. Fashion Park, Inc. 416,553; Sept. 18; Serial No. 482,481; published July 10, 1945.

Suits, coats, dresses, etc., for women and misses. Twentieth Century Frocks. 416,519; Sept. 18; Serial No. 481,089; published July 10, 1945.

Suits, coats, jackets, skirts, Ladies' and misses. Chadwyk Co. 416,526; Sept. 18; Serial No. 481,461; published July 10, 1945.

Suits, vests, trousers, etc., Men's. Fashion Park, Inc. 416,544; Sept. 18; Serial No. 482,140; published July 10, 1945.

Sweaters, suits, scarfs, etc., Men's and women's. L. B. Strauss. 416,557-9; Sept. 18.

Underwear and knitted underwear, Men's, boys' and children's. Associated Knitted Underwear Mills, Inc. 416,524; Sept. 18; Serial No. 481,456; published July 10, 1945.

Underwear and knitted underwear, Men's, boys' and children's. Associated Knitted Underwear Mills, Inc. 416,525; Sept. 18; Serial No. 481,458; published July 10, 1945.

Vestee. F. Lustig. 416,565; Sept. 18.

CLASS 40

Pins, Common. Koplow Trimming Company. 416,577; Sept. 18.

CLASS 42

Cotton piece goods. Dallas Manufacturing Co. 206,708; renewed Dec. 8, 1945. O. G. Sept. 18.

Cotton, woolen, linen, and silk piece fabrics. David Rothschild & Co. 199,363; renewed June 9, 1945. O. G. Sept. 18.

Cotton, woolen, linen, and silk piece fabrics. David Rothschild & Co. 200,501; renewed July 7, 1945. O. G. Sept. 18.

Drop cloths, Painters'. J. D. Blake. 206,279; renewed Nov. 24, 1945. O. G. Sept. 18.

Worsted piece goods. Atlantic Mills. 202,939; renewed Sept. 8, 1945. O. G. Sept. 18.

CLASS 43

Spool-cotton. Willimantic Linen Company. 27,198; re-renewed Nov. 12, 1945. O. G. Sept. 18.

CLASS 44

Waxing media and porcelain used in dentistry. F. A. Booth, Jr. 416,566; Sept. 18.

CLASS 46

Canned apples. Comstock Canning Corporation. 416,568; Sept. 18.

Canned fish. K. Hovden. 416,601; Sept. 18.

Candy. Loft Incorporated. 206,133; renewed Nov. 24, 1945. O. G. Sept. 18.

Canned fruits and canned vegetables. Olney & Floyd. 201,713; renewed Aug. 4, 1945. O. G. Sept. 18.

Canned peas, canned mixed vegetables. Kroger Grocery & Baking Co. 198,722; renewed May 26, 1945. O. G. Sept. 18.

Canned vegetables. Olney & Floyd. 204,432; renewed Oct. 20, 1945. O. G. Sept. 18.

Carcasses and parts thereof, Beef, pork, sheep, and veal. Agar Packing & Provision Company. 200,758; renewed July 7, 1945. O. G. Sept. 18.

Coffee, Blended. E. T. Smith Company. 45,542; re-renewed Aug. 22, 1945. O. G. Sept. 18.

Coffee, tea, and wheat flour. E. T. Smith Company. 202,464; renewed Aug. 25, 1945. O. G. Sept. 18.

Dairy products. H. W. Shearing. 203,820; renewed Sept. 29, 1945. O. G. Sept. 18.

Extract, Malt. A. J. Maggio. 206,293; renewed Nov. 24, 1945. O. G. Sept. 18.

Feed, Hog. Honneggers & Co. 416,499; Sept. 18; Serial No. 479,979; published July 10, 1945.

Food mix, Dehydrated. Dry-Pack Corporation. 416,520; Sept. 18; Serial No. 481,136; published July, 1945.

Fruits, Fresh citrus. Highland Exchange Association. 205,940; renewed Nov. 17, 1945. O. G. Sept. 18.

Fruits, Preserved, canned, bottled, and dried. Pelling Stanley & Co. Ltd. 201,524; renewed July 28, 1945. O. G. Sept. 18.

Fruits preserved in brandied sirups. G. B. Raffetto, Inc. 206,687; renewed Dec. 8, 1945. O. G. Sept. 18.

Herring, Preserved. Andrew Bremner & Company Limited. 197,900; renewed Apr. 28, 1945. O. G. Sept. 18.

Herrings, Preserved. James, More, Limited. 198,286; renewed May 12, 1945. O. G. Sept. 18.

Olive products. E. Padula. 416,600; Sept. 18.

Oranges, Fresh. Edison Citrus Association. 200,110; renewed June 23, 1945. O. G. Sept. 18.

Oranges, Fresh. Edison Citrus Association. 200,749; renewed July 7, 1945. O. G. Sept. 18.

Peanut butter, pickle relish spread, mayonnaise, etc. Russell Company. 416,585; Sept. 18.

Peanuts, peanut butter, and nut confections, Salted. Lummis & Company. 416,550; Sept. 18; Serial No. 482,430; published July 10, 1945.

Pickles, sour mixed pickles, sweet mixed pickles, etc. Bloch & Guggenheimer, Inc. 206,763; renewed Dec. 8, 1945. O. G. Sept. 18.

Potatoes. Kroger Grocery & Baking Company. 416,470; Sept. 18; Serial No. 452,103; published May 4, 1943.

Preserves, peanut butter, salad dressing, etc., Fruit. Bama Company. 416,523; Sept. 18; Serial No. 481,506; published July 10, 1945.

Sausage. Roseland Farm and Manufacturing Company. 199,472; renewed June 9, 1945. O. G. Sept. 18.

Sea Foods. Fishery Products, Inc. 416,513-14; Sept. 18; Serial Nos. 480,754-5; published July 10, 1945.

Syrup, Table. Roddenberry Brothers. 416,602; Sept. 18.

Tomatoes, Fresh. L. P. Griffin. 416,567; Sept. 18.

Topping made from a mixture of sugars, boysenberries, black raspberries, loganberries, youngberries, and pectin. Richardson Corporation. 416,589; Sept. 18.

Vegetables, Fresh. J. J. Flood. 416,494; Sept. 18; Serial No. 479,871; published July 10, 1945.

CLASS 48

Beer, Near. J. Ruppert. 206,129; renewed Nov. 24, 1945. published O. G. Sept. 18.

CLASS 49

Whisky. H. Blum. 199,630; renewed June 16, 1945. O. G. Sept. 18.

CLASS 50

Ship debarkation and embarkation equipment. H. Fritzner. 416,497; Sept. 18; Serial No. 479,741; published July 10, 1945.

Shoe lasts. Joyce, Inc. 416,555; Sept. 18; Serial No. 483,374; published July 10, 1945.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF SEPTEMBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Curtis-Wright Corporation: See—
Noonan, E. L., and Tydon, assignors.
Noonan, Edmund L., Dayton, Ohio, and W. Tydon, East Aurora, N. Y., assignors to Curtis-Wright Corporation.
Wing flap and auxiliary wheel control. Re. 22,674; Sept. 18.

Tydon, Walter: See—
Noonan, E. L., and Tydon, assignors.

LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF SEPTEMBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

ATA Manufacturing Company, Inc.: See—
Franz, Frederick, assignor.
Abbott Laboratories: See—
Raiziss, G. W., Clemence, and Freifelder, assignors
Abzug, Israel, New York, N. Y. Garment. 2,385,178;
Sept. 18.
Acme Visible Records, Inc.: See—
Hopkins, Harry J., assignor.
Adrian, Joseph, assignor to The Turner Type Founders
Company, Cleveland, Ohio. Paper handling machine
2,385,047; Sept. 18.
Aerodynamic Research Corporation: See—
Crook, Louis H., assignor.
Air Reduction Company, Incorporated: See—
Hughey, Howard G., assignor.
Akers, Harrison R., Tyler, Tex. Guardrail clamp
2,385,248; Sept. 18.
Aktiengesellschaft fuer Technische Studien: See—
Wiederkehr, Robert, assignor.
Alben, Frank L., and B. F. Langer, Pittsburgh, assignors
to Westinghouse Electric Corporation, East Pittsburgh,
Pa. Railway vehicle truck. 2,384,785; Sept. 18.
Albertson & Company, Inc.: See—
Albertson, Frank O., assignor.
Albertson, Frank O., assignor to Albertson & Company,
Inc., Sioux City, Iowa. Abrasive disk. 2,385,249;
Sept. 18.
Albrecht, Gilmon F., Madison, Wis. Bottle disposal rack.
2,384,870; Sept. 18.
Alien Property Custodian: See—
Guignard, Edwin M. F.
Lang, R., von Fahland, and Gros.
Zuckermann, Armand, assignor.
Allen, Earl M., assignor to The Union Switch & Signal
Company, Swissvale, Pa. Railway traffic controlling
apparatus. 2,385,179; Sept. 18.
Allen, George: See—
Harker, G. A., Gustafsson, Allen, and Nelson.
Allen, James G., Hopedale, and A. Villani, Milford, as-
signors to Draper Corporation, Hopedale, Mass.
Shuttle. 2,385,048; Sept. 18.
Allen, Rex W., Fallsides, assignor to Camloc Fastener
Corporation, New York, N. Y. Fastener. 2,385,180;
Sept. 18.
Alvey, Le Roy E.: See—
Bullard, E. P., III, Alvey, Cowell, Lange, and Mussler.
Amann, Philip F.: See—
Kane, J. H., Finlay, and Amann.
American Car and Foundry Company: See—
Willoughby, Victor, assignor.
American Cyanamid Company: See—
Booth, R. B., and Herkenhoff, assignors.
Greene, R. D., Klenle, and Vartanian, assignors.
Hedley, N., and Kress, assignors.
Lecher, H. Z., Parker, and Denton, assignors.
Salvin, V. S., and Hill, assignors.
Scalera, M., and Joyce, assignors.
Smyth, Glen M., assignor.
Thurston, Jack T., assignor.
American Dairies Incorporated et al.: See—
Turner, C. W., and Reineke, assignors.
American Engineering Company: See—
Preston, Herbert E., assignor.
American Inventions, Inc.: See—
Warner, Harry C., assignor.
American Liquid Gas Corporation: See—
Smith, H. W., and Paxton, assignors.
American Optical Company: See—
Cozzens, Charles O., assignor.
American Pattern and Manufacturing Co.: See—
Miller, Raymond J., assignor.
American Steel Foundries: See—
Light, David M., assignor.
Anderson, Arvid E., Haverford Township, Delaware
County, Pa., assignor to General Electric Company.
System of electric distribution. 2,385,181; Sept. 18.
Anderson, George M., Duval, Wash. Device for holding
inner tubes. 2,384,803; Sept. 18.
Anderson, James G., Trowbridge, R. Hill and L. B. Mor-
gan, Manchester, England, assignors to Imperial Chem-
ical Industries Limited. Manufacture and applica-
tion of synthetic rubber-like materials. 2,385,182;
Sept. 18.
Anderson, Roger, Seattle, Wash. Surgical cast or splint
material, method of application, and product thereof.
2,384,804; Sept. 18.
Andrews, Harold, Halesowen, England. Centrifugal cast-
ing machine. 2,385,250; Sept. 18.

Arens, Charles A., assignor to Arens Controls, Inc., Chi-
cago, Ill. Control mechanism. 2,384,805; Sept. 18.
Arens Controls, Inc.: See—
Arens, Charles A., assignor.
Armstrong Cork Company: See—
Lyall, John D., assignor.
Ashton, Clifford: See—
Collins, J. N., and Ashton.
Atkins, Jr., George T., Highlands, Tex., assignor to
Standard Oil Development Company. Alkylation of
ethylene. 2,385,123; Sept. 18.
Atkinson, Cyril P., Baildon, assignor to Courtaulds Lim-
ited, London, England. Treatment of textile fabrics.
2,384,871; Sept. 18.
Atkinson, William B.: See—
Hanna, R. P., Atkinson, and Brahmer.
Austin, Bascom O., Lima, Ohio, assignor to Westinghouse
Electric Corporation, East Pittsburgh, Pa. Regulator.
2,384,786; Sept. 18.
Automatic Electric Laboratories, Inc.: See—
Herrick, Roswell H., assignor.
Lomax, Clarence E., assignor.
McLoughlin, George H., assignor.
Ostline, John E., assignor.
Avers, Franklin H., and E. C. Krebs, Portage, Wis., as-
signors to G. P. Krebs, as trustee. Stereoscopic photog-
raphy. 2,385,183; Sept. 18.
Ayers, Frederick P., Barnstaple, North Devon, England.
Tunneling method. 2,385,251; Sept. 18.
Bagley and Sewall Company, The: See—
Helin, Francis A., assignor.
Baker, Benjamin P.: See—
Leeds, W. M., and Baker.
Baker, Benjamin P., Turtle Creek, and R. C. Cunningham,
East McKeesport, assignors to Westinghouse Electric
Corporation, East Pittsburgh, Pa. Valve construc-
tion. 2,384,787; Sept. 18.
Baker, Virgil H., and P. T. Keebler, Springfield, Ohio,
assignors to Elliott Company, Pittsburgh, Pa. Tube
cleaner motor. 2,384,872; Sept. 18.
Bakerman, David, West Haven, Conn. Collar clip.
2,384,788; Sept. 18.
Baldwin Locomotive Works, The: See—
Lowy, Robert, assignor.
Bales, James E.: See—
Loeb, F. F., and Bales.
Barber, Hastings A.: See—
Hart, H. T., Barber, and Burbeck.
Barber, Theodore C., Seattle, Wash. Mounting for in-
terchangeable sticks and wheels. 2,385,184; Sept. 18.
Barksdale, John D., Oldale, assignor to one-half to J. J.
Shirkey, Van Nuys, Calif. Laundry vehicle. 2,384,873;
Sept. 18.
Barone, Anthony, New York, N. Y. Seam system for
ventilating garments. 2,385,124; Sept. 18.
Barr, Frank T., Summit, N. J., assignor, by mesne assign-
ments, to Standard Catalytic Company. Hydrocarbon
synthesis reaction. 2,384,874; Sept. 18.
Barrett, Gerald R., Winchester, Mass., assignor to Mon-
santo Chemical Company, St. Louis, Mo. Nitrocellulose
lacquer compositions. 2,385,125; Sept. 18.
Barth, Elmer J.: See—
Peterson, C. D., and Barth.
Barton, Robert P., Escalon, Calif. Beak trimming device
for poultry. 2,384,875; Sept. 18.
Bartram, Thomas W., Nitro, W. Va., assignor to Mon-
santo Chemical Company, St. Louis, Mo. Thermoplastic
products derived from rubbers. 2,384,876; Sept. 18.
Bates, Raymond H., Waterbury, Conn. Lifting tongs.
2,385,049; Sept. 18.
Batty, John W., and D. A. W. Fairweather, Blackley,
Manchester, England, assignors to Imperial Chemical
Industries Limited. Manufacture of vat dyes from
bis-(9:9'-anthronylidene)-ethane. 2,385,185; Sept. 18.
Bayless, James W., Los Angeles, Calif., assignor to Radio
Corporation of America. Test method and system for
variable gain amplifiers. 2,385,186; Sept. 18.
Becker, Ernest R., Oak Park, assignor to The Liquid Car-
bonic Corporation, Chicago, Ill. Bottle cleaning ap-
paratus. 2,385,050; Sept. 18.
Beekley, Nathan S., Jr.: See—
Vanderbilt, B. M., and Beekley.
Bell, David A., London, England, assignor to Radio Pat-
ents Corporation. Frequency modulator. 2,384,789;
Sept. 18.
Bell, Richmond T., and C. M. Thacker, Highland Park,
assignors to The Pure Oil Company, Chicago, Ill. Con-
version of hydrocarbons. 2,384,877; Sept. 18.

Bell Telephone Laboratories, Incorporated: See—
Cox, Leslie R., assignor.
Clark, Alva B., assignor.
Foley, J. W., and Emling, assignors.
Hopkins, Harris F., assignor.
Thurber, E. A., and Wooten, assignors.
Beltice Corporation: See—
Knowles, Frank W., assignor.
Bemis Bro. Bag Co.: See—
Brady, Charles V., assignor.
Bennett, William O., Jr., Lancaster Township, Lancaster
County, assignor to Hamilton Watch Company, Lancas-
ter, Pa. Balance screw. 2,385,252; Sept. 18.
Benning, Anthony F.: See—
Downing, F. B., Benning, and McHarness.
Benton, Dudley C., assignor, and by decree of court of
one-half to M. E. Warren, San Diego, Calif. Blind
fastening bolt and nut. 2,385,126; Sept. 18.
Berdach, Ernest, New York, N. Y. Undergarment.
2,384,806; Sept. 18.
Berk, F. W., & Company: See—
Comstock, Gregory J., assignor.
Berlin, Donavan R., and C. G. Trimbach, Eggertsville,
N. Y., assignors to Curtiss-Wright Corporation. Gun
sealing means. 2,385,051; Sept. 18.
Berman, Paul, Philadelphia, Pa. Collapsible clothes
drier. 2,384,878; Sept. 18.
Bickel, Bruce T., assignor to The Standard Register Com-
pany, Dayton, Ohio. Printing apparatus. 2,384,807;
Sept. 18.
Blinks Manufacturing Company: See—
Harker, G. A., Gustafsson, Allen, and Nelson, as-
signors.
Birk, Paul M., Kenmore, and C. E. Slater, Jr., Williams-
ville, N. Y., assignors to Curtiss-Wright Corporation.
Ammunition belt tension meter. 2,385,052; Sept. 18.
Black, James J., assignor to The Trailer Company of
America, Cincinnati, Ohio. Trailer vehicle with load
regulated tow bar. 2,385,253; Sept. 18.
Blackburn Aircraft Limited: See—
Palfrey, Sydney J., assignor.
Blandin, Forrest E., Elizabeth, N. J., assignor to Stand-
ard Oil Development Company. Synthesis of ethyl
benzene. 2,385,187; Sept. 18.
Blomberg, Martin P., Hinsdale, Ill., assignor to General
Motors Corporation, Detroit, Mich. Uncoupling mech-
anism. 2,384,808; Sept. 18.
Bludworth, Timothy F., Summit, N. J., assignor to Nation-
al-Simplex-Bludworth, Inc. Interval meter and indi-
cator therefor. 2,385,254; Sept. 18.
Bodansky, John C., and E. K. Whitener, assignors to
Cocker Machine and Foundry Company, Gastonia, N. C.
Drive control for textile machinery. 2,384,879; Sept.
18.
Bohn, Beatrice P., Sea Girt, N. J. Garment holding
means. 2,385,053; Sept. 18.
Boisey, Jacques, New York, N. Y. Tripod head.
2,384,790; Sept. 18.
Booth, Charles F., Anniston, Ala., assignor to Monsanto
Chemical Company. Making alkali metal ferric pyro-
phosphate. 2,385,188; Sept. 18.
Booth, James D., Catonsville, Md., assignor to Westing-
house Electric Corporation, East Pittsburgh, Pa. Dis-
tortionless radio-frequency amplifier. 2,384,791; Sept.
18.
Booth, Robert B., Springdale, and E. C. Herkenhoff,
Stamford, Conn., assignors to American Cyanamid Com-
pany, New York, N. Y. Beneficiation of iron ore.
2,385,054; Sept. 18.
Bowen, John E.: See—
Pieri, E. D., and Bowen.
Bowles, Vernon O., Dobbs Ferry, assignor to The Lum-
mus Company, New York, N. Y. Catalytic reactor.
2,385,189; Sept. 18.
Boydell, E., & Company Limited: See—
Coldwell, Joe D., assignor.
Brady, Charles V., Webster Groves, assignor to Bemis
Bro. Bag Co., St. Louis, Mo. Bag closure. 2,385,255;
Sept. 18.
Brahmer, Leland F.: See—
Hanna, R. P., Atkinson, and Brahmer.
Breeze Corporation, Inc.: See—
Haas, S. V., Jr., and Strunk, assignors.
Breslove, Abel H., assignor, by mesne assignments, to Van
Cleaf Bros., Chicago, Ill. Tool for applying tube seal-
ing devices. 2,385,055; Sept. 18.
British Insulated Cables Limited: See—
Jones, Alan E., assignor.
Walton, G. H., Quayle, and Jones, assignors.
Britton, Edgar C., assignor to The Dow Chemical Com-
pany, Midland, Mich. Vinylidene chloride composi-
tions. 2,384,886; Sept. 18.
Britton, Edgar C., and H. W. Moll, assignors to The Dow
Chemical Company, Midland, Mich. Vinylidene chlo-
ride compositions. 2,384,880; Sept. 18.
Britton, Edgar C., and H. W. Moll, assignors to The Dow
Chemical Company, Midland, Mich. Vinylidene chlo-
ride compositions. 2,384,881; Sept. 18.
Britton, Edgar C., and H. W. Moll, assignors to The Dow
Chemical Company, Midland, Mich. Vinylidene chlo-
ride compositions. 2,384,882; Sept. 18.

Britton, Edgar C., and H. W. Moll, assignors to The Dow
Chemical Company, Midland, Mich. Vinylidene chlo-
ride compositions. 2,384,883; Sept. 18.
Britton, Edgar C., and H. W. Moll, assignors to The Dow
Chemical Company, Midland, Mich. Vinylidene chlo-
ride compositions. 2,384,884; Sept. 18.
Britton, Edgar C., and H. W. Moll, assignors to The Dow
Chemical Company, Midland, Mich. Vinylidene chlo-
ride compositions. 2,384,885; Sept. 18.
Britton, Edgar C., and H. W. Moll, assignors to The Dow
Chemical Company, Midland, Mich. Vinylidene chlo-
ride compositions. 2,385,256; Sept. 18.
Bromley, Thomas C., and A. Shortland, assignors to Mellor
Bromley & Co. Limited, Leicester, England. Circular
knitting machine. 2,385,056; Sept. 18.
Brown, Myron J., Forest Hills, assignor to Westinghouse
Electric Corporation, East Pittsburgh, Pa. Impulse
metering system. 2,384,792; Sept. 18.
Browning, George L., Jr., assignor, by mesne assignments,
to The B. F. Goodrich Company, Akron, Ohio. Poly-
merization of conjugated diene hydrocarbons.
2,385,190; Sept. 18.
Browning, J. M. & M. S., Company: See—
Browning, Val A., assignor.
Browning, Val A., assignor to J. M. & M. S. Browning
Company, Ogden, Utah. Firing mechanism for repeat-
ing firearms. 2,385,057; Sept. 18.
Brunelle, Henry E., Jr., Schenectady, N. Y., assignor to
General Electric Company. Electrical connector.
2,385,191; Sept. 18.
Brunner, Friedrich and C. Haury, Zurich, Switzerland.
Mechanical cocking device for automatic firearms.
2,384,887; Sept. 18.
Bruun, Johannes H., Swarthmore, and J. H. Perrine,
Prospect Park, assignors to Sun Oil Company, Philadel-
phia, Pa. Esterification. 2,384,793; Sept. 18.
Bryant Heater Company, The: See—
Cerny, J. A., and Converse, assignors.
Buckley, Earl T., San Diego, and B. E. Richmond, Chula
Vista, Calif., assignors to one-half to Pacific Cooperative
Poultry Producers, Portland, Oreg. Egg transfer
basket. 2,384,794; Sept. 18.
Bullard Company, The: See—
Bullard, E. P., III, Alvey, Cowell, Lange, and Muss-
ler, assignors.
Bullard, Edward P., III, Fairfield, Le R. E. Alvey, Bridge-
port, E. N. Cowell, Stratford, P. H. Lange, Bridgeport,
and F. H. Mussler, Stratford, Conn., assignors to The
Bullard Company. Machine tool. 2,384,809; Sept. 18.
Burbeck, Everett W.: See—
Hart, H. T., Barber, and Burbeck.
Buren, Charles C., Yakima, Wash. Draft control.
2,385,192; Sept. 18.
Burgin, Kermit H., near Whitestown, Ind. Corn and
stalk harvester. 2,385,193; Sept. 18.
Burke, William J., Marshallton, assignor to E. I. du Pont
de Nemours & Company, Wilmington, Del. Polymeric
sulphur containing derivatives and their preparation.
2,384,888; Sept. 18.
Buthe, Henry, Cliffside, assignor to Star Engineering
Company, Newark, N. J. Hydromechanical power
transmission. 2,385,058; Sept. 18.
Buthe, Henry, Cliffside, assignor to Star Engineering
Company, Newark, N. J. Hydromechanical power
transmission. 2,385,059; Sept. 18.
Calleson, Amos and E. A., Merrick, N. Y., assignors to
Crown Cork & Seal Company, Inc., Baltimore, Md.
Container. 2,384,810; Sept. 18.
Calleson, Edgar A.: See—
Calleson, Amos and E. A.
Camloc Fastener Corporation: See—
Allen, R. W., assignor.
Canady, Buel H., Huntington Park, Calif., assignor of
one-half to C. J. Wiley, Winslow, Ariz. Auxiliary spring
mounting. 2,384,795; Sept. 18.
Carbide and Carbon Chemicals Corporation: See—
Chitwood, Henry C., assignor.
Curme, G. O., Jr., Chitwood, and Clark, assignors.
Carboloy Company, Inc.: See—
Engle, Edgar W., assignor.
Cardinal Products Inc.: See—
Schmitt, George P., assignor.
Carlile & Doughty, Incorporated: See—
Carlile, Frank S., assignor.
Carlile, Frank S., Abington, assignor to Carlile & Doughty,
Incorporated, Conshohocken, Pa. Battery jar.
2,385,127; Sept. 18.
Carmody, Don R., Newton, Iowa, and B. H. Shoemaker,
Hammond, Ind., assignors to Standard Oil Company,
Chicago, Ill. Motor fuel synthesis. 2,384,796; Sept.
18.
Carroll, G. A., Glendale, assignor to Lockheed Aircraft
Corporation, Burbank, Calif. Device for eliminating
backlash. 2,385,194; Sept. 18.
Castner, James B., assignor to E. I. du Pont de Nemours
& Company, Wilmington, Del. Nitration process.
2,385,128; Sept. 18.
Cavallito, Chester J., Rensselaer, N. Y., assignor to Wing-
foot Corporation, Akron, Ohio. Packaging. 2,385,257;
Sept. 18.
Celanese Corporation of America: See—
Seymour, G. W., and Miller, assignors.

Cerny, Joseph A., University Heights, and J. Converse, East Cleveland, assignors to The Bryant Heater Company, Cleveland, Ohio. Gas igniter. 2,384,797; Sept. 18.

Chagnon, Alexander J.: See—
Sheets, E. P., and Chagnon.

Chamberlain, Harold L.: See—
Wanamaker, E. M., Cromwell, and Chamberlain, assignors.

Chapman, James E., Los Angeles, assignor to The Garrett Corporation, Alhsearch Manufacturing Company division, Inglewood, Calif. Modulating means for cooler control. 2,385,060; Sept. 18.

Chitwood, Henry C.: See—
Curme, G. O., Jr., Chitwood, and Clark.

Chitwood, Henry C., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Catalytic alkaline oxidation of alcohols. 2,384,817; Sept. 18.

Chocholak, John: See—
Ten Eyck, H. S., Chocholak, and Coleman.

Chrysler Corporation: See—
Houk, Addison R., assignor.

Clark, Alva B., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,385,061; Sept. 18.

Clark, Jared W.: See—
Curme, G. O., Jr., Chitwood, and Clark.

Clemence, Le Roy W.: See—
Raizles, G. W., Clemence, and Freifelder.

Cleveland Pneumatic Tool Company, The: See—
Feucht, Albert, assignor.

Wallace, John F., assignor.

Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Substituted acrylonitrile polymers. 2,385,258; Sept. 18.

Clifford, Albert M., Stow, and J. D. D'Ianni, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del. Alpha-chloroacrylonitrile and method of preparing the same. 2,384,889; Sept. 18.

Clower, Joseph B., Woodstock, Va. Dispensing attachment for containers. 2,385,195; Sept. 18.

Clute, Foster L.: See—
Jorgenson, R. J., and Clute.

Cocker Machine and Foundry Company: See—
Bodansky, J. C., and Whitener.

Coffey, Irvan E.: See—
Ericson, G. R., and Coffey.

Coldwell, Joe D., assignor to E. Boydell & Company Limited, Manchester, England. Reversible steering mechanism for mechanically propelled vehicles. 2,384,890; Sept. 18.

Coleman, Gerald H., W. D. Schroeder, and G. A. Griess, assignors to The Dow Chemical Company, Midland, Mich. Insecticidal amides. 2,384,811; Sept. 18.

Coleman, Gerald H., W. D. Schroeder, and G. A. Griess, assignors to The Dow Chemical Company, Midland, Mich. Insecticidal toxicants. 2,384,812; Sept. 18.

Coleman, John H., Plainfield, N. J., assignor to Southern Phosphate Corporation, Baltimore, Md. Manufacture of pure phosphoric acid. 2,384,813; Sept. 18.

Coleman, John H., Plainfield, N. J., assignor to Southern Phosphate Corporation, New York, N. Y. Production of pure phosphoric acid and intermediate products. 2,384,814; Sept. 18.

Coleman, John H.: See—
Ten Eyck, H. S., Chocholak, and Coleman.

Collings, William R., R. D. Freeman and M. J. Roberts, Midland, Mich., and W. O. Hisey, Syracuse, N. Y., assignors to The Dow Chemical Company, Midland, Mich. Purification of wood pulp. 2,385,259; Sept. 18.

Collins, John N., Birmingham, and C. Ashton, Wakefield, England. Apparatus for cooling, drying, and desilting granular material. 2,384,891; Sept. 18.

Colonial Broach Company: See—
Wette, Benedict, assignor.

Comstock, Gregory J., Summit, N. J., assignor to F. W. Berk & Company, New York, N. Y. Communion of molten metals. 2,384,892; Sept. 18.

Converse, Julius: See—
Cerny, J. A., and Converse.

Conway, Otto J. O., Tacoma, Wash. Welder's hood. 2,384,798; Sept. 18.

Cook, Shirley S., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical apparatus. 2,384,799; Sept. 18.

Cornell-Dubilier Electric Corporation: See—
Wells, Felix, assignor.

Courtaulds Limited: See—
Atkinson, Cyril P., assignor.

Cowell, Edward N.: See—
Bullard, E. P., III, Alvey, Cowell, Lange, and Mussler.

Cox, Claude E., Detroit, Mich. Forming flowmeter tube mandrels. 2,384,800; Sept. 18.

Cox, Leslie R., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crystal controlled oscillator. 2,385,260; Sept. 18.

Cozzens, Charles O., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,384,815; Sept. 18.

Crompton & Knowles Loom Works: See—
Turner, Richard G., assignor.

Whitin, Herbert A., assignor.

Cromwell, Robert H.: See—
Wanamaker, E. M., Cromwell, and Chamberlain, assignors.

Crook, Louis H., assignor to Aerodynamic Research Corporation, Washington, D. C. Aircraft. 2,384,893; Sept. 18.

Crowe, John M., Covington, Ky. Open-hearth furnace and operation. 2,385,261; Sept. 18.

Crown Cork & Seal Company, Inc.: See—
Calleson, Amos and E. A., assignors.

Cumming, James M., Turtle Creek, Pa., and H. L. Peek, Camp Gordon, Ga., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,384,801; Sept. 18.

Cunningham, James M., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Circuit breaker. 2,384,802; Sept. 18.

Cunningham, James, Son & Company: See—
De Mato, Samuel P., assignor.

Cunningham, Richard C.: See—
Baker, B. P., and Cunningham.

Curme, George O., Jr., White Plains, N. Y., and H. C. Chitwood, and J. W. Clark, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Preparation of amino carboxylic acids and their salts. 2,384,816; Sept. 18.

Curme, George O., Jr., White Plains, N. Y., and H. C. Chitwood, and J. W. Clark, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corp. Preparation of amino carboxylic acids and their salts. 2,384,818; Sept. 18.

Curtis, David, New York, N. Y. Therapeutic-anesthetic preparations. 2,385,262; Sept. 18.

Curtis Pump Company: See—
Curtis, Russell R., assignor.

Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Automatic pump speed control. 2,384,894; Sept. 18.

Curtiss, Leon F.: See—
Krasnow, S., and Curtiss.

Curtiss-Wright Corporation: See—
Berlin, D. R., and Trimbach, assignors.

Birk, P. M., and Slater, assignors.

Dreifke, Raymond F., assignor.

Trimbach, Clem G., assignor.

D'Agostino, Francisco J., and S. A. Valdes, Buenos Aires, Argentina, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Modulation of electrical quantities. 2,385,086; Sept. 18.

Davies, Robert H.: See—
Parker, A. L., Davies, and Mallicher.

Davis, Francis W., Belmont, Mass. Gear lapping machine. 2,385,129; Sept. 18.

Dazley, Frederick C.: See—
Mueller, A. G., Young, and Dazley.

De Mato, Samuel P., assignor to James Cunningham, Son & Company, Rochester, N. Y. Attachment for screw machines. 2,384,895; Sept. 18.

Deming Company, The: See—
Samelson, Bernard, assignor.

Dentay, E. G., et al.: See—
Eddy, Arnold, assignor.

Denton, John J.: See—
Lecher, H. Z., Parker, and Denton.

Depp, Marlin C., Hempstead, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Flux valve. 2,384,819; Sept. 18.

Derman, Harry, Laurelton, Long Island, N. Y. Door frame construction for cabinets. 2,384,896; Sept. 18.

Dersch, Fritz, and N. Helmbach, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Production of photographs in blue tones. 2,384,897; Sept. 18.

D'Ianni, James D.: See—
Clifford, A. M., and D'Ianni.

Diesel, Benjamin A., Los Angeles, Calif. Pickup truck. 2,385,196; Sept. 18.

Dietert, Harry W., Detroit, Mich. Film or photographic plate processing machine. 2,384,898; Sept. 18.

Di Giovanni, Joseph, Fairview, N. J., assignor to United Elevator Service, Inc., New York, N. Y. Elevator system. 2,384,986; Sept. 18.

Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Car construction. 2,385,062; Sept. 18.

Dixon, Fate, assignor of one-half to A. L. Walton, Durham, N. C. Machine for grinding bits. 2,384,899; Sept. 18.

Dodwell, John M., Shawbridge, Quebec, Canada. Seed planting machine. 2,384,820; Sept. 18.

Dow Chemical Company, The: See—
Britton, Edgar C., assignor.

Britton, E. C., and Moll, assignors.

Coleman, G. H., Schroeder, and Griess, assignors.

Collings, W. R., Freeman, Roberts, and Hisey, assignors.

Hanawalt, J. D., and Hess, assignors.

Hanson, A. W., and Goggin, assignors.

Matheson, Lorne A., assignor.

Moyle, Clarence L., assignor.

Smith, Frank B., assignor.

Wiley, Ralph M., assignor.

Downing, Frederick B., Carney's Point, A. F. Benning, and R. C. McHarness, Woodstown, N. J., assignors to Kinetic Chemicals, Inc., Wilmington, Del. Octafluorocyclobutane and pyrolytic process for its production. 2,384,821; Sept. 18.

Draper Corporation: See—
Allen, J. G., and Villani, assignors.

Dreifke, Raymond F., St. Louis, Mo., assignor to Curtiss-Wright Corporation. Landing gear lock. 2,385,063; Sept. 18.

Drmlc, Silpan A., Watsonville, Calif. Gripping or cutting tool. 2,384,822; Sept. 18.

Droski, Walter J., Grand Rapids, Mich. Safety delivery link slide. 2,385,064; Sept. 18.

Du Brie, Stanley R., Ann Arbor, Mich. Furnace. 2,385,065; Sept. 18.

Dudley, Adolphus M., Oakmont, assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Electric vibration generator. 2,384,987; Sept. 18.

Du Mont, Allen B., Laboratories, Inc.: See—
Kessler, Robert E., assignor.

Duncan, Abner D., Ponca City, Okla. Livestock feeding apparatus. 2,384,900; Sept. 18.

Du Pont, E. I. de Nemours & Company: See—
Burke, William J., assignor.

Castner, James B., assignor.

Holmes, Harrison H., assignor.

Peters, Franklin T., assignor.

Richardson, Hubert O., assignor.

Du Rose, Arthur H., Euclid, and C. F. Robison, Bay Village, assignors to The Harshaw Chemical Company, Elyria, Ohio. Preparation of red copper oxide. 2,385,066; Sept. 18.

Eagle Woodware Manufacturing Company, The: See—
Fritsch, Frank M. and L. B., assignors.

Eastman Kodak Company: See—
Sillick, William E., assignor.

Eddy, Arnold, Middletown, Conn., assignor of fifty per cent to H. W. Striker, and twenty per cent to E. G. Dentay, New York, N. Y. Pick counting device. 2,384,901; Sept. 18.

Egarden, Zachaeus T., Chicago, Ill. First-aid kit and stretcher. 2,385,067; Sept. 18.

Eisel, Vernon G., New York, N. Y. Educational toy. 2,385,197; Sept. 18.

Eisenhour, Bert E., Aurora, assignor of one-half to Riverbank Laboratories, Geneva, Ill. Torsional oscillator. 2,384,823; Sept. 18.

Eitner, George E., Detroit, Mich. Lubricating device. 2,384,824; Sept. 18.

Electro Manganese Corporation: See—
Wanamaker, E. M., Cromwell, and Chamberlain, assignors.

Electronic Laboratories, Incorporated: See—
Garstang, William W., assignor.

Filliott Company: See—
Baker, V. H., and Keebler, assignors.

Ellis, Delbert, and O. L. Taylor, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Double-break contact. 2,384,988; Sept. 18.

Ellis, Edward J., Bartow, Fla., assignor to Southern Phosphate Corporation, Baltimore, Md. Separating quartz sand from phosphate rock. 2,384,825; Sept. 18.

Emling, John W.: See—
Foley, J. W., and Emling.

Engle, Edgar W., Pleasant Ridge, assignor to Carboly Company, Inc., Detroit, Mich. Forming drawing holes in carbide die ribs. 2,385,198; Sept. 18.

Ericson, George R., Kirkwood, and I. E. Coffey, Normandy, Mo. Fluid drive. 2,385,263; Sept. 18.

Eshbaugh, Clarence H., H. S. Mitchell, and L. S. Paddock, assignors to Industrial Patents Corporation, Chicago, Ill. Dehydrating food concentrates. 2,385,068; Sept. 18.

Eustis, Warner, Newton, and G. R. Orrill, Western Springs, Ill., assignors to The Kendall Company, Boston, Mass. Pressure-sensitive adhesive sheets. 2,385,319; Sept. 18.

Evans, George E.: See—
Gutman, I., and Evans.

Fairweather, David A. W.: See—
Batty, J. W., and Fairweather.

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable load brake. 2,385,130; Sept. 18.

Farrell-Birmingham Company, Incorporated: See—
Winslow, Albert E., assignor.

Fasce, Egi V., Baton Rouge, La., assignor to Standard Oil Development Company. Separation of acetylenes from hydrocarbon mixtures. 2,384,902; Sept. 18.

Federal Products Corporation: See—
Worthen, John H., assignor.

Federal Telephone and Radio Corporation: See—
Goodale, Lynn C., assignor.

Ferguson, Ralph M., Dayton, Ohio. Portable safe. 2,384,826; Sept. 18.

Ferguson, Robert F.: See—
Schumacher, F. W., and Ferguson.

Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,384,903; Sept. 18.

Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Cleansing dishes. 2,385,264; Sept. 18.

Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic drive. 2,385,069; Sept. 18.

Feucht, Albert, Garfield Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Sheet-feeding driver. 2,384,989; Sept. 18.

Finlay, Alexander C.: See—
Kane, J. H., Finlay, and Amann.

Fisher, Alec, Lynn, Mass., assignor to General Electric Company. Dynamoelectric machine. 2,385,199; Sept. 18.

Fisher, Ernest F., Passaic, N. J., assignor to Whiting Corporation, Harvey, Ill. Magnesium castings grinding and polishing booths. 2,384,991; Sept. 18.

Fletcher, James H., Wilmette, Ill. Dumping apparatus. 2,384,904; Sept. 18.

Floyd, Clyde M., Baytown, and J. Fram, Goose Creek, Tex., assignors to Standard Oil Development Company. Producing white oils. 2,384,905; Sept. 18.

Foley, John W., Englewood, and J. W. Emling, Morris-town, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Substation circuit. 2,385,265; Sept. 18.

Folkers, Karl, Plainfield, and R. T. Major, Mountainside, assignors to Merck & Co., Inc., Rahway, N. J. Production of erythrina alkaloids. 2,385,266; Sept. 18.

Forster-Teichmann Company: See—
Snyder, Harold H., assignor.

Foster, Edward E.: See—
Lilley, S. C., and Foster.

Fram, Julius: See—
Floyd, Clyde M., and Fram.

Franklin, Robert B., assignor to Playground Equipment Co., Inc., Dallas, Tex. Carroussel. 2,384,906; Sept. 18.

Franz, Frederick West Haven, assignor to ATA Manufacturing Company, Inc., New Haven, Conn. Cup separating and dispensing machine. 2,385,267; Sept. 18.

Fraser and Glass Limited: See—
Taylor, Percy W., assignor.

Freeman, Richard D.: See—
Collings, W. R., Freeman, Roberts, and Hisey.

Freifelder, Morris: See—
Raizles, G. W., Clemence, and Freifelder.

French, John R., Greenville, S. C. Drier. 2,384,990; Sept. 18.

Friedel, Howard H., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Methods and apparatus for reacting gases with liquids. 2,385,200; Sept. 18.

Frischmann, George J.: See—
Phelps, G. H., and Frischmann.

Fritsch, Frank M. and L. B., assignors to The Eagle Woodware Manufacturing Company, Hamilton, Ohio. Mop wringer. 2,384,907; Sept. 18.

Fritsch, Lawrence B.: See—
Fritsch, Frank M. and L. B.

Fruehauf Trailer Company: See—
Reid, Frederick M., assignor.

Fuchs, Douglas O., Rock Island, Ill. Metallic cartridge belt link. 2,384,827; Sept. 18.

Fuston, Howard L., Oak Park, Ill. Ignition breaker. 2,384,828; Sept. 18.

Gallagher, Hugh J., Gallitzin, Pa., assignor to Matilda McMullen, Buffalo, N. Y. Nut lock. 2,384,908; Sept. 18.

Galvin Manufacturing Corporation: See—
Holthouse, Harry B., assignor.

Gant, Leslie, Denver, Colo. Fan. 2,385,070; Sept. 18.

Garlinghouse, Lexile H., Los Angeles, Calif. Splicing rig. 2,384,992; Sept. 18.

Garrett Corporation, Alhsearch Manufacturing Company division, The: See—
Chapman, James E., assignor.

Garstang, William W., assignor to Electronic Laboratories, Incorporated, Indianapolis, Ind. Voltage changing circuit. 2,384,829; Sept. 18.

Garstang, William W., assignor to Electronic Laboratories, Incorporated, Indianapolis, Ind. Voltage modifying circuit. 2,384,830; Sept. 18.

Garstang, William W., assignor to Electronic Laboratories, Incorporated, Indianapolis, Ind. Voltage multiplier. 2,384,831; Sept. 18.

Garthwaite, Ernest, Saint Albans, England, assignor to Radio Corporation of America. Tuning device for radio circuits. 2,385,131; Sept. 18.

Geddings, Saint J., West Columbia, S. C. Loom. 2,384,909; Sept. 18.

Geler, James, Troy, N. Y. Forming containers. 2,385,071; Sept. 18.

General Aniline & Film Corporation: See—
Dersch, F., and Helmbach, assignors.

General Chemical Company: See—
Knapp, William A., assignor.

General Electric Company: See—
Anderson, Arvid E., assignor.

Brunelle, Henry E., Jr., assignor.

Fisher, Alec, assignor.

Lawson, Gerald W., assignor.

Livingston, Orrin W., assignor.

McConnell, Andrew J., assignor.

Mueller, A. G., Young, and Dazley, assignors.

Young, William R., assignor.

General Motors Corporation: *See*—
Blomberg, Martin P., assignor.
Ferris, Donald K., assignor.
Geophysical Development Corporation: *See*—
Krasnow, C. and Curtis, assignors.
Gillam, Edward D., Philadelphia, Pa. Container.
2,385,268; Sept. 18.
Gilligan, Carl W., East Longmeadow, Mass. Firing rate
reducer. 2,384,832; Sept. 18.
Gleason Works: *See*—
McMullen, Frederick E., assignor.
Glidden Company, The: *See*—
Moore, Charles G., assignor.
Globus, Alfred R., Brooklyn, N. Y., assignor of eleven
and one-ninth per cent to O. H. Henry, Caldwell, N. J.,
eleven and one-ninth per cent to J. C. Hartley, Silver
Mine, Norwalk, Conn., and eleven and one-ninth per
cent to H. D. Spencer, New York, N. Y. Electrolytically
extracting metal. 2,385,269; Sept. 18.
Goddard, Alfred W., and A. A. Hallett, Toronto, Ontario,
Canada. Artificial bait. 2,384,993; Sept. 18.
Goff, Robert F.: *See*—
Shotwell, H. C., and Goff.
Goggin, William C.: *See*—
Hanson, A. W., and Goggin.
Goodale, Lynn C., assignor to Federal Telephone and
Radio Corporation, Newark, N. J. Making lead-in
seals. 2,384,833; Sept. 18.
Goodrich, B. F. Company, The: *See*—
Browning, George L., Jr., assignor.
Gottlieb, Manious, Philadelphia, assignor to Westing-
house Electric Corporation, East Pittsburgh, Pa. Gov-
ernor apparatus. 2,385,201; Sept. 18.
Graham, Maurice H., St. Louis Park, Minn. Process
and apparatus for making infusions. 2,385,132;
Sept. 18.
Grand Rapids Hardware Company: *See*—
Viehweger, August, assignor.
Grant Building, Incorporated: *See*—
Strassburger, Wm. J., and Hunter, assignors.
Grant, Harry C., Jr., New York, N. Y., and W. A. V.
Thomsen, Glen Ridge, assignors to Specialties Develop-
ment Corporation, Bloomfield, N. J. Machine gun
charger. 2,384,834; Sept. 18.
Gray, Harvey C., Hamilton, Ohio. Folding chair.
2,385,072; Sept. 18.
Greene, Ralph D., R. H. Klenle, and R. D. Vartanian,
Bound Brook, N. J., assignors to American Cyanamid
Company, New York, N. Y. Finishing pigment-resin
colored fabrics. 2,385,320; Sept. 18.
Gregory, Charles, Amarillo, Tex., now by judicial change
of name to C. G. Hilton. Boot and shoe stretching
device. 2,385,270; Sept. 18.
Gregory, Luther W.: *See*—
Schneider, S. S., and Gregory.
Griess, Gerald A.: *See*—
Coleman, G. H., Schroeder, and Griess.
Gros, Hermann: *See*—
Lang, R., von Fahland, and Gros.
Grubbs, Edward G., Los Angeles, Calif. Photoengraver's
plate cooler. 2,385,073; Sept. 18.
Gulgward, Edwin M., Berlin-Dahlem, Germany;
vested in the Allen Property Custodian. Apparatus for
continuous fractional distillation. 2,385,074; Sept. 18.
Gulf Research & Development Company: *See*—
Muskat, Morris, assignor.
Gunther, James K., assignor to Industrial Patents Corpo-
ration, Chicago, Ill. Detergent composition. 2,385,075;
Sept. 18.
Gustafsson, Eric: *See*—
Harker, G. A., Gustafsson, Allen, and Nelson.
Gutman, Irvin, Lynbrook, N. Y., and G. E. Evans, de-
ceased, Pittsburgh, Pa.; E. E. Ridge, executrix.
Septic tank structure. 2,384,994; Sept. 18.
Gwin, Gilmore T., Baytown, Tex., assignor to Standard
Oil Development Company. Production of motor fuel.
2,385,133; Sept. 18.
Haas, Sidney V., Jr., and K. G. Strunk, East Orange,
assignors to Breeze Corporation, Inc., Newark, N. J.
Spring clasp for split cylinders. 2,385,202; Sept. 18.
Hackett, Daniel A., Wanstead, assignor to Lever Brothers
& Unilever Limited, Port Sunlight, England. Apparatus
for cooling soap and similar solidifiable materials.
2,385,134; Sept. 18.
Hadley, E. V.: *See*—
Steinmetz, Harry G., assignor.
Hallett, Albert A.: *See*—
Goddard, A. W., and Hallett.
Halpert, John, and E. Lambert, Brooklyn, N. Y. Grip
hanger. 2,385,076; Sept. 18.
Hamilton Watch Company: *See*—
Bennett, William O., Jr., assignor.
Le Van, James O., assignor.
Mentzer, Ralph B., assignor.
Hammond, Benjamin M., Colusa, Calif. Fishhook.
2,385,274; Sept. 18.
Hanawalt, Joseph D., and T. M. Hess, assignors to The
Dow Chemical Company, Midland, Mich. Production of
metallic magnesium. 2,384,835; Sept. 18.
Hanna, Clinton R., Pittsburgh, and S. J. Mikina and
L. B. Lynn, Wilkensburg, assignors to Westinghouse
Electric Corporation, East Pittsburgh, Pa. Electric
turret traverse. 2,385,203; Sept. 18.

Hanna, Clinton R., Pittsburgh, assignor to Westinghouse
Electric Corporation, East Pittsburgh, Pa. Velocity-
compensated control mechanism. 2,385,204; Sept. 18.
Hanna, Raymond P., and W. B. Atkinson, Pittsburgh, and
L. F. Brahmer, Wilkensburg, assignors to Westinghouse
Electric Corporation, East Pittsburgh, Pa. Trolley con-
ductor insulator. 2,384,995; Sept. 18.
Hanson, Alden W., and W. C. Coggin, assignors to The
Dow Chemical Company, Midland, Mich. Vinylidene
chloride compositions. 2,384,910; Sept. 18.
Hanson, Harold F., Wilkensburg, assignor to Westinghouse
Electric Corporation, East Pittsburgh, Pa. Driving
mechanism. 2,384,996; Sept. 18.
Hansson, Arthur D., Shrewsbury, N. J. Braking device
for airplanes. 2,384,997; Sept. 18.
Harbert, Carl J.: *See*—
Harshaw, W. J., and Harbert.
Hardman, Albert F., assignor to Wingfoot Corporation,
Akron, Ohio. Accelerators of vulcanization. 2,385,275;
Sept. 18.
Harker, George A., and E. Gustafsson, Chicago, G. Allen,
North Lake Village, and R. Nelson, assignors to Blinks
Manufacturing Company, Chicago, Ill. Spray booth.
2,385,077; Sept. 18.
Harper, Clarence E., Hutchinson, Kans. Convertible
cartridge for contact printing and photographic paper
dispensing. 2,384,911; Sept. 18.
Harshaw Chemical Company, The: *See*—
Du Rose, A. H., and Robison, assignors.
Harshaw, W. J., and Harbert, assignors.
Harshaw, William J., and C. J. Harbert, Shaker Heights,
assignors to The Harshaw Chemical Company, Elyria,
Ohio. Manufacture of cuprous oxide. 2,385,078;
Sept. 18.
Hart, Hannibal T., Eveleth, and H. A. Barber and E. W.
Burbeck, Duluth, Minn., assignors to Oliver Iron Min-
ing Company, Holst. 2,385,276; Sept. 18.
Hartford National Bank and Trust Company, trustee:
See—
D'Agostino, F. J., and Valdes, assignors.
Labin, Edouard, assignor.
Hartley, James C., et al.: *See*—
Globus, Alfred R., assignor.
Harwood, Stanley G.: *See*—
Moore, James R., assignor.
Hasler A.-G. Werke für Telefonie und Präzisionsme-
chanik: *See*—
Ochsenbein, Walter, assignor.
Hatfield, James E., Shaker Heights, assignor to Willard
Storage Battery Company, Cleveland, Ohio. Machine
for pasting storage battery grids. 2,385,277; Sept. 18.
Haugh, Raymond R., assignor to V. C. Usher, Chicago,
Ill. Heating method. 2,384,998; Sept. 18.
Haury, Carl: *See*—
Brunner, F., and Haury.
Hedley, Norman, and J. J. Kress, Stamford, Conn., as-
signors to American Cyanamid Company, New York,
N. Y. Use of lime in heavy-media separation process.
2,385,079; Sept. 18.
Heimbach, Newton: *See*—
Dersch, F., and Heimbach.
Heinrich, Paul W., Grosse Pointe Park, Mich. Electrode
holder. 2,384,999; Sept. 18.
Helm, Francis A., assignor to The Bagley and Sewall
Company, Watertown, N. Y. Stock inlet. 2,384,912;
Sept. 18.
Henry, Otto H., et al.: *See*—
Globus, Alfred R., assignor.
Hercules Powder Company: *See*—
Ware, Harris O., assignor.
Herkenhoff, Earl C.: *See*—
Booth, R. B., and Herkenhoff.
Herrick, Roswell H., Oak Park, assignor to Automatic
Electric Laboratories, Inc., Chicago, Ill. Communica-
tion system. 2,384,913; Sept. 18.
Hess, T. Melville: *See*—
Hanawalt, J. D., and Hess.
Heymann, Seymour E., assignor to Stewart-Warner Cor-
poration, Chicago, Ill. Hollow fin heat exchanger.
2,385,080; Sept. 18.
Hill, Arthur J.: *See*—
Salvin, V. S., and Hill.
Hill, Rowland: *See*—
Anderson, J. G., Hill, and Morgan.
Hilton, Charles G., Amarillo, Tex. Tack detecting de-
vice. 2,385,271; Sept. 18.
Hilton, Charles G., Amarillo, Tex. Boot and shoe holding
tree. 2,385,272; Sept. 18.
Hilton, Charles G., Amarillo, Tex. Shank and patching
cement press for footwear. 2,385,273; Sept. 18.
Hilton, Charles G., judicial change of name: *See*—
Gregory, Charles.
Hisey, Willis O.: *See*—
Collings, W. R., Freeman, Roberts, and Hisey.
Hoagland, Le Roy L., Seaside, Oreg. Plumb bob line reel.
2,384,914; Sept. 18.
Hobbs, Frank, Seattle, Wash. Tenoning mechanism.
2,385,205; Sept. 18.
Hoffman, Louis, Brooklyn, N. Y. Earring. 2,384,915;
Sept. 18.
Hoke, Roland K., Baltimore, Md. Shaft protector.
2,385,000; Sept. 18.

Holmes, Harrison H., Woodbury, N. J., assignor to E. I.
du Pont de Nemours & Company, Wilmington, Del.
Propellant smokeless powder. 2,385,135; Sept. 18.
Holmes, Henry H., and A. H. Widdowson, assignors to
Wildt and Company Limited, Leicester, England. Knit-
ting machine. 2,385,081; Sept. 18.
Holmes, Robert L., Roselle, N. J., assignor, by mesne
assignments, to Jasco, Incorporated. Producing high
molecular weight iso-olefin polymers. 2,384,916; Sept.
18.
Holthouse, Harry B., assignor to Galvin Manufacturing
Corporation, Chicago, Ill. Heater. 2,384,836; Sept. 18.
Holtz, Louis M., Chicago, Ill. Grinding device. 2,384,917;
Sept. 18.
Hoo, Earling, Excelsior, Minn. Field artillery aiming
stake. 2,385,278; Sept. 18.
Hooker Electrochemical Company: *See*—
Friedel, Howard H., assignor.
Hopkins, Harris F., Chatham, N. J., assignor to Bell
Telephone Laboratories, Incorporated, New York, N. Y.
Distant talking loud-speaker telephone system.
2,385,279; Sept. 18.
Hopkins, Harry J., assignor to Acme Visible Records,
Inc., Chicago, Ill. Visible index or record strip.
2,385,082; Sept. 18.
Hopkins, Robert K., assignor to The M. W. Kellogg Com-
pany, New York, N. Y. Apparatus for producing metal
bodies. 2,385,136; Sept. 18.
Hopkins, Robert K., assignor to The M. W. Kellogg Com-
pany, New York, N. Y. Method and apparatus for
producing metal bodies. 2,385,206; Sept. 18.
Houdry Process Corporation et al.: *See*—
Thayer, C. H., and Lassiat, assignors.
Houk, Addison R., Detroit, assignor to Chrysler Corpora-
tion, Highland Park, Mich. Dowel construction.
2,384,918; Sept. 18.
Howard, Clarence L., Grand Junction, Colo. Car journal
lubricating device. 2,385,280; Sept. 18.
Huber, Walter, assignor to Sulzer Freres, Société An-
onyme, Winterthur, Switzerland. Turbine blade attach-
ment by welding. 2,384,919; Sept. 18.
Hughes, Howard G., Bloomfield, N. J., assignor to Air
Reduction Company, Incorporated, New York, N. Y.
Multiflame heating torch. 2,384,920; Sept. 18.
Hughes, Howard G., Fanwood, N. J., assignor to Air
Reduction Company, Incorporated. Apparatus for cut-
ting metal. 2,384,921; Sept. 18.
Humphrey, Stanley M.: *See*—
Seltzer, C. S., and Humphrey.
Hunn, Oliver W., assignor of one-fourth to A. D. Morgan,
New Philadelphia, Ohio. Hemostat. 2,385,207; Sept.
18.
Hunter, Verne W.: *See*—
Strassburger, Wm. J., and Hunter.
Huppert, Oskar, Newark, N. J. Polycyclic compounds
from isophorone and manufacture of same. 2,385,281;
Sept. 18.
Huppert, Oskar, Chicago, Ill. Sulphonic acids of the
5-oxo imidazole series. 2,384,837; Sept. 18.
I. T. E. Circuit Breaker Company: *See*—
Schymik, Walter H., assignor.
Iafate, Domenic L., Newton, Mass. Scissor sharpening
or like device. 2,384,922; Sept. 18.
Imperial Chemical Industries Limited: *See*—
Anderson, J. G., Hill, and Morgan, assignors.
Batty, J. W., and Fairweather, assignors.
Smith, Arthur E. W., assignor.
Smith, A. E. W., Stanley, and Scaife, assignors.
Industrial Patents Corporation: *See*—
Eshbaugh, C. H., Mitchell, and Paddock, assignors.
Gunther, James K., assignor.
Walter, Charles T., assignor.
Industrial Rayon Corporation: *See*—
McLellan, Kenneth M., assignor.
International Business Machines Corporation: *See*—
Rutbell, Clarence C., assignor.
Cunningham, James M., assignor.
Leathers, W., and Panissidi, assignors.
Smathers, James F., assignor.
Ipatieff, Vladimir N.: *See*—
Pines, H., and Ipatieff.
Jaeger, Charles B., Jr., Baltimore, Md., assignor to Lynch
and Company, St. Louis, Mo. 2-nitro-3-methoxy-phenol
and making same. 2,385,282; Sept. 18.
James, Edmond J. P., Akron, Ohio, assignor to Packard
Motor Car Company, Detroit, Mich. Resistance weld-
ing machine. 2,384,923; Sept. 18.
James, Edmond J. P., Canal Fulton, Ohio, assignor to
Packard Motor Car Company, Detroit, Mich. Resistance
welding machine. 2,384,924; Sept. 18.
Janeway, Robert N., Detroit, assignor to Railroad Rolling
Stock Patents Corporation, Highland Park, Mich. Vehi-
cle suspension. 2,384,925; Sept. 18.
Jasco, Incorporated: *See*—
Holmes, Robert L., assignor.
Sparks, W. J., and Thomas, assignors.
Vanderbilt, B. M., and Beekley, assignor.
Jennings, Oliver S., Pittsburgh, assignor to Westinghouse
Electric Corporation, East Pittsburgh, Pa. Circuit
breaker. 2,385,001; Sept. 18.
Johnson, Frank B.: *See*—
Stahly, E. E., and Johnson.

Jones, Alan E., assignor to British Insulated Cables
Limited, Prescott, England. Preparation of diamond
dies for wire drawing. 2,385,137; Sept. 18.
Jones, Minor C. K., Mountsides, N. J., assignor to
Standard Oil Development Company. Producing sul-
phur. 2,384,926; Sept. 18.
Jones, Otha C., Anniston, Ala., assignor to Monsanto
Chemical Company. Recovering fluorine compounds.
2,385,208; Sept. 18.
Jones, Peter: *See*—
Walton, G. H., Quayle, and Jones.
Jorgenson, Ralph J., and F. L. Clute, San Francisco,
Calif. Display device. 2,385,002; Sept. 18.
Joyce, Asa W.: *See*—
Scalera, M., and Joyce.
Joyce, Edward F., Kansas City, Kans. Clamp. 2,385,209;
Sept. 18.
Jullianelli, Charles A., New York, N. Y. Shoe construc-
tion. 2,384,927; Sept. 18.
Kahn, Samuel, Bridgeport, Conn., assignor to Manning,
Maxwell & Moore, Incorporated, New York, N. Y. Case
for dial instruments. 2,384,928; Sept. 18.
Kane, Jasper H., Garden City, A. C. Finlay, Long Island
City, and P. F. Amann, assignors to Chas. Pfizer & Co.,
Inc., Brooklyn, N. Y. Production of itaconic acid.
2,385,283; Sept. 18.
Kaplan, Harry, Brooklyn, N. Y. Oven plate. 2,385,210;
Sept. 18.
Katz, Myer K., New York, N. Y. Shaving brush holder.
2,385,003; Sept. 18.
Kaufmann, Harry A., Grosse Pointe Park, Mich. Case-
ment storm window. 2,384,929; Sept. 18.
Keebler, Paul T.: *See*—
Baker, V. H., and Keebler.
Keller, William M., Merion, assignor to The Pennsylvania
Railroad Company, Philadelphia, Pa. Diaphragm ves-
tibule structure for railway cars. 2,385,138; Sept. 18.
Kelley, Cecil S., Forest Hills, assignor to The Westing-
house Air Brake Company, Wilmerding, Pa. Variable
load brake. 2,385,139; Sept. 18.
Kellogg, M. W. Company, The: *See*—
Hopkins, Robert K., assignor.
Kellogg, Spencer, 2d, Glen Head, assignor to Sperry
Gyroscope Company, Inc., Brooklyn, N. Y. Gyro in-
strument. 2,384,838; Sept. 18.
Kemerer, Don C., Long Beach, Calif. Forming method.
2,385,083; Sept. 18.
Kendall Company, The: *See*—
Eustis, W., and Orrill, assignors.
Kendrick, Fayette D., St. Paul, Minn. Insect trap.
2,384,930; Sept. 18.
Kessler, Robert E., Upper Montclair, assignor to Allen
B. Du Mont Laboratories, Inc., Passaic, N. J. Syn-
chronizing generator. 2,384,931; Sept. 18.
Klenle, Roy H.: *See*—
Greene, R. D., Klenle, and Vartanian.
Kinetic Chemicals, Inc.: *See*—
Downing, F. B., Benning, and McHarness, assignors.
Kistner, Merrill M., Chicago, Ill. Steam-electric pressing
and ironing device. 2,384,839; Sept. 18.
Kittess, Jason J., Los Angeles, Calif. Capping apparatus.
2,385,004; Sept. 18.
Knapp, William A., assignor to General Chemical Com-
pany, New York, N. Y. Insecticides and using.
2,385,284; Sept. 18.
Knowles, Frank W., assignor to Beltice Corporation,
Seattle, Wash. Freezing food. 2,385,140; Sept. 18.
Kohorn, Oscar, & Co. Ltd.: *See*—
Pollak, Fritz, assignor.
Kollas, Christ E., Chicago, Ill. Automobile theft indi-
cator and hood lock. 2,385,285; Sept. 18.
Konrad, William L., Pittsburgh, assignor to The Union
Switch & Signal Company, Swissvale, Pa. Apparatus
for communication systems. 2,385,211; Sept. 18.
Konrad, William L., Pittsburgh, assignor to The Union
Switch & Signal Company, Swissvale, Pa. Apparatus
for communication systems. 2,385,212; Sept. 18.
Koppelman, Edward, North Hollywood, Calif. Windshield
wiper motor. 2,385,084; Sept. 18.
Kostka, Frank, Buffalo, N. Y. Piano accordion.
2,385,286; Sept. 18.
Krebs, Edward C.: *See*—
Avers, F. H., and Krebs.
Krebs, George P.: *See*—
Avers, F. H., and Krebs, assignors.
Krasnow, Shelley, New York, N. Y., and L. F. Curtis,
Montgomery County, Md., assignors to Geophysical De-
velopment Corporation, Washington, D. C. Radioactive
well logging method and apparatus. 2,384,840; Sept.
18.
Kuehlman, Norman V., Milwaukee, Wis., assignor to The
National Lock Washer Company, Newark, N. J. Bolt
track and assorter. 2,385,141; Sept. 18.
Labin, Edouard, Buenos Aires, Argentina, assignor to
Hartford National Bank and Trust Company, Hartford,
Conn., as trustee. Producing frequency modulated
waves for radio transmission. 2,385,085; Sept. 18.
La Force, Jean, San Mateo, Calif., assignor to Union
Carbide and Carbon Corporation. Acetylene generator.
2,385,087; Sept. 18.
Lambert, Estelle: *See*—
Halpert, J., and Lambert.

Lang, Richard, Ravensburg, and J. von Fahland and H. Gros, Friedrichshafen, Bodensee, Germany; vested in the Allen Property Custodian. Hydraulic torque converter. 2,384,841; Sept. 18.

Lange, Paul H.: See—
Bullard, E. P., III, Alvey, Cowell, Lange, and Mussler.

Langer, Bernard F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Strain measuring system. 2,385,005; Sept. 18.

Langer, Bernard F.: See—
Alben, F. L., and Langer.

Lank, Everett S., Green Acres, Md., assignor to Timber Engineering Company, Washington, D. C. Timber truss and the like. 2,385,142; Sept. 18.

Lassiat, Raymond C.: See—
Thayer, C. H., and Lassiat.

Lawson, Gerald W., Malden, Mass., assignor to General Electric Company. Gas turbine. 2,385,006; Sept. 18.

Leathers, Ward, Brooklyn, and H. Panissidi, Jamaica, assignors to International Business Machines Corporation, New York, N. Y. Data storing device and data selecting means therefor. 2,385,007; Sept. 18.

Lecher, Hans Z., Plainfield, R. P. Parker, Somerville, and J. J. Denton, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. N-substituted derivatives of 4,4'-diamino-diphenyl ether. 2,385,088; Sept. 18.

Lechthaler, Charles H., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for the conversion of hydrocarbons. 2,384,932; Sept. 18.

Lee, Harry F., Grand Junction, Colo. Variable camber airplane wing. 2,384,933; Sept. 18.

Leeds, Winthrop M., Wilkesburg, and B. P. Baker, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,385,008; Sept. 18.

Lerner, Stanley, Bronx, N. Y. Rotary metering valve for Diesel engines. 2,385,089; Sept. 18.

Le Van, James O., assignor to Hamilton Watch Company, Lancaster, Pa. Jewel hole opening apparatus. 2,385,287; Sept. 18.

Lever Brothers & Unilever Limited: See—
Hackett, Daniel A., assignor.

Le Vesconte, Harold J., Western Springs, and A. M. Schweda, assignors to Union Special Machine Company, Chicago, Ill. Lock stitch sewing machine. 2,385,288; Sept. 18.

Levin, Arnold, Brooklyn, N. Y. Shoe. 2,385,289; Sept. 18.

Levin, Nathan, Trenton, N. J. Knitted article of apparel and fabric therefor. 2,384,934; Sept. 18.

Levine, Avrom C., Buffalo, N. Y. Plastic treating apparatus. 2,385,143; Sept. 18.

Lichty, Joy G., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Plasticized butadiene-acrylonitrile copolymer. 2,385,290; Sept. 18.

Lieber, Eugene, Staten Island, N. Y., assignor to Standard Oil Development Company. Condensation products and preparing and using the same. 2,384,935; Sept. 18.

Light, David M., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,385,009; Sept. 18.

Lilley, Samuel C., Hamden, and E. E. Foster, Southport, Conn., assignors to United Elastic Corporation, Easthampton, Mass. Elastic fabric and producing the same. 2,384,936; Sept. 18.

Linde Air Products Company, The: See—
Scherl, Egon B., assignor.

Link, Edwin A., Binghamton, N. Y. Training device. 2,385,291; Sept. 18.

Lipani, Joseph, Brooklyn, N. Y. Duplex reversible tool holder. 2,385,010; Sept. 18.

Liquid Carbonic Corporation, The: See—
Becker, Ernest R., assignor.

Livingston, John W., Lynbrook, N. Y., assignor to The Union Switch and Signal Company, Swissvale, Pa. Speed responsive device. 2,385,213; Sept. 18.

Livingston, Orrin W., Scotia, N. Y., assignor to General Electric Company. Electric valve translating apparatus. 2,384,937; Sept. 18.

Livingston, Orrin W., Scotia, N. Y., assignor to General Electric Company. Electric control circuit. 2,385,214; Sept. 18.

Lockheed Aircraft Corporation: See—
Carroll, George A., assignor.

Loeb, Felix F., Chicago, and J. E. Bales, assignors to Lyon Metal Products, Incorporated, Aurora, Ill. 2,384,842; Sept. 18.

Loewy Engineering Company Limited, The: See—
Lorant, Hugo, assignor.

Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Device for overcoming effects of shocks. 2,385,292; Sept. 18.

Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Device for overcoming effects of shocks. 2,385,293; Sept. 18.

Lomax, Clarence E., Chicago, Ill., assignor to Automatic Electric Laboratories, Inc. Signaling system. 2,384,938; Sept. 18.

Lorant, Hugo, New York, N. Y., assignor to The Loewy Engineering Company Limited, London, England. Discard shearing tool for extrusion presses. 2,385,144; Sept. 18.

Lord, Byron C., Clayton, Mich. Portable ladder and adjustable platform assembly. 2,384,939; Sept. 18.

Lowe, James M., Valleyfield, Quebec, Canada. Printing. 2,384,843; Sept. 18.

Lowy, Arthur, Newark, N. J., assignor to New York Engineering Company, New York, N. Y. Bung bushings. 2,385,294; Sept. 18.

Lowy, Robert, Philadelphia, Pa., assignor to The Baldwin Locomotive Works. Steering gear for ships. 2,385,090; Sept. 18.

Lukowitz, Bernard V., Milwaukee, Wis. Trick walking cane. 2,385,091; Sept. 18.

Lumb, Charles F., Kingston Hill, and F. G. W. Spears, Potters Bar, England. Tube cleaning apparatus for boilers and the like. 2,384,940; Sept. 18.

Lummus Company, The: See—
Bowles, Vernon O., assignor.
Schneider, Rolf E., assignor.
Tarbox, Leon A., assignor.

Lummus Cotton Gin Company: See—
Muirhead, Alfred R., assignor.

Lurtz, Carl, Brooklyn, N. Y. Escapement mechanism. 2,385,011; Sept. 18.

Lyall, John D., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Measuring and discharging device. 2,385,092; Sept. 18.

Lynch and Company: See—
Jaeger, Charles B., Jr., assignor.

Lynn, Lawrence B.: See—
Hanna, C. R., Mikina, and Lynn.

Lyon Metal Products, Incorporated: See—
Loeb, F. F., and Bales, assignors.

Lyons, Herschel, Lafayette, La. Bearing for rudder shafts. 2,384,941; Sept. 18.

Lytle, Chester W., assignor to Zenith Radio Corporation, Chicago, Ill. Antenna system. 2,385,012; Sept. 18.

MacDicken, Alex. P., Seattle, Wash. Safety wheel. 2,385,215; Sept. 18.

MacDonald, Joseph R., Medford, Mass., assignor to The Multiple Breaker Company, New London, Conn. Lifeboat breaker. 2,385,146; Sept. 18.

MacDonald, Raymond E., Westwood, assignor of one-half to E. M. Warwick, Walpole, Mass. Making containers from paper pulp and apparatus therefor. 2,385,145; Sept. 18.

MacDonald, Raymond E., Westwood, assignor of one-half to E. M. Warwick, Walpole, Mass. Device for forming containers of flexible material. 2,385,147; Sept. 18.

MacGregor, Clide, Flint, Mich. Electric heater and circulator. 2,385,295; Sept. 18.

MacNeill, John B., A. J. A. Peterson, and W. T. Parker, Wilkesburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic reclosing circuit breaker. 2,385,013; Sept. 18.

Major, Randolph T.: See—
Folkers, K., and Major.

Malmquist, Oscar V., Minneapolis, Minn. Gas torch lighter. 2,384,844; Sept. 18.

Manning, Maxwell & Moore, Incorporated: See—
Kahn, Samuel, assignor.

Marancik, Joseph V., Roselle, and H. Z. Martin, Elizabeth, N. J., assignors to Standard Oil Development Company. Cracking of hydrocarbon oils. 2,385,216; Sept. 18.

Marcus, Benjamin H., Brooklyn, N. Y. Window construction. 2,385,148; Sept. 18.

Marinsky, Davis: See—
Morin, Louis H., assignor.

Marisic, Milton M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Contacting process. 2,384,942; Sept. 18.

Marisic, Milton M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Conversion of hydrocarbons. 2,384,943; Sept. 18.

Marisic, Milton M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Manufacture of catalyst. 2,384,944; Sept. 18.

Marisic, Milton M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Spheroidal gel particles. 2,384,945; Sept. 18.

Marisic, Milton M., Northfield, Ill., assignor to Socony-Vacuum Oil Company, Incorporated. Hydrogel pellets. 2,384,946; Sept. 18.

Marisic, Milton M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Gel pellets. 2,385,217; Sept. 18.

Marohl, Lillian L., St. Paul, Minn. Perfume dispensing container. 2,385,098; Sept. 18.

Marsh, Arthur J., Wellesley, Mass. Teaching device. 2,385,093; Sept. 18.

Martin, Homer Z.: See—
Marancik, J. V., and Martin.

Martin, James, Higher Denham, near Uxbridge, England. Adjustable rear mounting for guns. 2,385,218; Sept. 18.

Martinez, Rene, Cranston, R. I. Putty applicator. 2,385,149; Sept. 18.

Matheson, Lorne A., assignor to The Dow Chemical Company, Midland, Mich. Vinylidene chloride compositions. 2,384,947; Sept. 18.

Maynard, Frederick E., Los Angeles, Calif. Clay settling, centrifugal reaction concentrator and amalgamator. 2,385,094; Sept. 18.

McCarthy, Cornelius C., Chicago, Ill. Airplane pilot trainer. 2,385,095; Sept. 18.

McCollum, Henry J. De N., Chicago, Ill., deceased; T. McCollum, executrix. Heating apparatus. 2,385,096; Sept. 18.

McCollum, Thelma, executrix: See—
McCollum, Henry J. De N.

McConnell, Andrew J., Albany, N. Y., assignor to General Electric Company. Protection of electric systems. 2,385,219; Sept. 18.

McCulloch, Thomas B.: See—
Singleton, H. M., and McCulloch.

McHarness, Robert C.: See—
Downing, F. B., Benning, and McHarness.

McLellan, Kenneth M., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Thread guide. 2,385,097; Sept. 18.

McLoughlin, George H., Scranton, Pa., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone switch or telephone contact. 2,384,948; Sept. 18.

McMullen, Frederick E., assignor to Gleason Works, Rochester, N. Y. Cutter for and method of cutting gears. 2,385,220; Sept. 18.

McMullen, Matilda: See—
Gallagher, Hugh J., assignor.

Mechanical Handling Systems, Inc.: See—
Stuart, Clarence C., assignor.

Melichar, Joseph F.: See—
Parker, A. L., Davies, and Melichar.

Mellar Bromley & Co. Limited: See—
Bromley, T. C., and Shortland, assignors.

Menges, Louis J., Montclair, N. J. Sanitary apparatus for toilet doors. 2,384,949; Sept. 18.

Mentzer, Ralph B., assignor to Hamilton Watch Company, Lancaster, Pa. Surface marking device. 2,385,014; Sept. 18.

Mentzer, Ralph B., assignor to Hamilton Watch Company, Lancaster, Pa. Shaping machine. 2,385,015; Sept. 18.

Mercier, Jean, New York, N. Y. Locking valve. 2,385,016; Sept. 18.

Mercier, Joachim, Arvida, Quebec, Canada. Branch pipe attaching device. 2,385,017; Sept. 18.

Merck & Co., Inc.: See—
Folkers, K., and Major, assignors.
Newbery, George, assignor.

Merla Tool Corporation: See—
Walton, Robert O., assignor.

Metropolitan Engineering Company: See—
Phelps, G. H., and Frischmann, assignors.

Middler, Alexander J., Detroit, Mich. Nondead centering crank actuating mechanism. 2,384,950; Sept. 18.

Mikina, Stanley J.: See—
Hanna, C. R., Mikina, and Lynn.

Millar, John R., Reno, Nev., assignor to National Automotive Fibres, Inc., Detroit, Mich. Automotive trim. 2,384,951; Sept. 18.

Miller, Arthur E., assignor to Visco-Meter Corporation, Buffalo, N. Y. Spray cleaner. 2,385,150; Sept. 18.

Miller, Dustin Y.: See—
Seymour, G. W., and Miller.

Miller, Frank D., assignor to Mixing Equipment Co., Inc., Rochester, N. Y. Dispersing agitator. 2,384,952; Sept. 18.

Miller, John A., Pittsburgh, Pa., assignor to National Tube Company. Inspection table. 2,385,321; Sept. 18.

Miller Pottery Engineering Company: See—
Miller, William J., assignor.

Miller, Raymond E., Wilkesburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic blow-off valve apparatus. 2,385,151; Sept. 18.

Miller, Raymond J., assignor to American Pattern and Manufacturing Co., Detroit, Mich. Self-locking nut. 2,384,953; Sept. 18.

Miller, William J., Swissvale, assignor to Miller Pottery Engineering Company, Swissvale, Pa. Method and apparatus for jiggering potteryware. 2,384,845; Sept. 18.

Milone, Charles R., assignor to Wingfoot Corporation, Akron, Ohio. Stabilization of esters. 2,385,018; Sept. 18.

Milwaukee Gas Specialty Company: See—
Wiegner, Irvin E., assignor.

Minsky, Aaron: See—
Minsky, Benjamin, assignor.

Minsky, Benjamin, Allston, Mass., assignor of two-thirds to A. Minsky, Allston, Mass. Electrical stethoscope. 2,385,221; Sept. 18.

Mitchell, Harold S.: See—
Eshbaugh, C. H., Mitchell, and Paddock.

Mixing Equipment Co., Inc.: See—
Miller, Frank D., assignor.

Moffitt, George W., Ridgewood, N. J. Optical instrument. 2,385,019; Sept. 18.

Moll, Harold W.: See—
Britton, E. C., and Moll.

Monsanto Chemical Company: See—
Barrett, Gerald R., assignor.
Bartram, Thomas W., assignor.
Booth, Charles F., assignor.
Jones, Otha C., assignor.

Moore, Charles G., River Forest, Ill., assignor to The Glidden Company, Cleveland, Ohio. Resinous material and making. 2,384,846; Sept. 18.

Moore, Goodloe E., Danville, Ill. Cementitious anchorable hanger support. 2,385,296; Sept. 18.

Moore, James B., Hamilton, Mo. Rain gauge. 2,384,954; Sept. 18.

Moore, James R., assignor, by mesne assignments, to S. G. Harwood, Minneapolis, Minn. Clothes-drying machine. 2,385,222; Sept. 18.

Moore, James R., assignor, by mesne assignments, to S. G. Harwood, Minneapolis, Minn. Clothes-drying machine. 2,385,223; Sept. 18.

Morgan: A. D.: See—
Hunn, Oliver W., assignor.

Morgan, Leslie B.: See—
Anderson, J. G., Hill, and Morgan.

Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Separable fastener. 2,385,020; Sept. 18.

Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Free flexing separable fastener. 2,385,021; Sept. 18.

Morrison, Hackley, assignor to Texfan Company, Houston, Tex. Ventilating or exhaust fan. 2,385,152; Sept. 18.

Morton, William A., Mount Lebanon, assignor, by mesne assignments, to Union Mining Company of Allegheny County, Pittsburgh, Pa. Burner. 2,385,153; Sept. 18.

Moyle, Clarence L., assignor to The Dow Chemical Company, Midland, Mich. Esters of 4-cyclohexene-1,2-dicarboxylic acid. 2,384,955; Sept. 18.

Mueller, Adolf G., and W. R. Young, Fairfield, and F. C. Dazley, Stratford, Conn., assignors to General Electric Company. Holder and fixture for tubular lamps. 2,384,956; Sept. 18.

Muirhead, Alfred R., Columbus, Ga., assignor to Lummus Cotton Gin Company. Condenser. 2,385,297; Sept. 18.

Mulheim, Joseph E., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamoelectric machine. 2,385,022; Sept. 18.

Multiple Breaker Company, The: See—
MacDonald, Joseph R., assignor.

Murphy, Joseph C., assignor of one-half to P. Weaver, Frannie, Wyo. Bulldozer tooth. 2,384,957; Sept. 18.

Muskat, Morris, Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Recovery of oil from oil fields. 2,385,298; Sept. 18.

Mussler, Frank H.: See—
Bullard, E. P., III, Alvey, Cowell, Lange, and Mussler.

Nalle, Charles R., Philadelphia, Pa. Adjustable caster socket. 2,385,154; Sept. 18.

National Automotive Fibres, Inc.: See—
Millar, John R., assignor.

National City Bank of Evansville, Ind., administrator: See—
Thomas, Albert R.

National Lock Company: See—
Stone, Roy A., assignor.

National Lock Washer Company, The: See—
Kuehlman, Norman V., assignor.

National-Simplex-Bludworth, Inc.: See—
Bludworth, Timothy F., assignor.

National Steel Corporation: See—
Pieri, E. D., and Bowen, assignors.

National Tube Company: See—
Miller, John A., assignor.

Nelson, Arthur R., Bay City, Mich. Coupling trailers and bogies to prime movers. 2,385,099; Sept. 18.

Nelson, Roy: See—
Harker, G. A., Gustafsson, Allen, and Nelson.

Nelson, Verner A., Minneapolis, Minn. Seal for bags. 2,385,023; Sept. 18.

Neumann, Arthur E.: See—
Wilsey, I. H., and Neumann.

Newbery, George, Hutton Mount, England, assignor, by mesne assignments, to Merck & Co. Inc., Rahway, N. J. Sulpha-thiazoles. 2,385,224; Sept. 18.

Newell, George K., near Pittsford, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Pipe coupling. 2,385,156; Sept. 18.

Newell, Robert E., Irwin, Pa. Thermal element. 2,385,155; Sept. 18.

New York Engineering Company: See—
Lowy, Arthur, assignor.

Nielsen, Hakon C., Minneapolis, Minn. Cable clamp. 2,385,225; Sept. 18.

Nieman, Dolores E.: See—
Nieman, John R., assignor.

Nieman, John R., assignor to D. E. Nieman, Peoria, Ill. Speed computer. 2,385,100; Sept. 18.

Nilsson Gage Company, Inc.: See—
Nilsson, John C. and J. F., assignors.

Nilsson, John C. and J. F., assignors to Nilsson Gage Company, Inc., Poughkeepsie, N. Y. Inside diameter measuring and indicator gauge. 2,385,157; Sept. 18.

Nilsson, John F.: See—
Nilsson, John C. and J. F.

Norman, Horace M., Skokie, assignor to Stewart-Warner Corporation, Chicago, Ill. Electric speedometer. 2,385,101; Sept. 18.

Ochsenbein, Walter, assignor to Hasler A.-G. Werke fur Telefonie und Fraisionsmechanik, Berne, Switzerland. Magneto. 2,385,226; Sept. 18.

Oilgear Company, The: See—
 Ferris, Walter, assignor.
 Oliver Iron Mining Company: See—
 Hart, H. T., Barber, and Burbeck, assignors.
 Olson, Willie A., Port Angeles, Wash. Cigarette holder. 2,385,227; Sept. 18.
 Orrill, George R.: See—
 Eustis, W., and Orrill.
 Ostline, John E., Chicago, Ill., assignor to Automatic Electric Laboratories, Inc. Telephone system. 2,385,228; Sept. 18.
 Owens-Illinois Glass Company: See—
 Schellhaus, John P., Jr., assignor.
 Pacific Cooperative Poultry Producers: See—
 Buckley, E. T., and Richmond, assignors.
 Packard Motor Car Company: See—
 James, Edmond J. P., assignor.
 Paddock, Levi S.: See—
 Eschbaugh, C. H., Mitchell, and Paddock.
 Palfrey, Sydney J., Swanland, assignor to Blackburn Aircraft Limited, Brough, England. Aircraft gun mounting. 2,385,024; Sept. 18.
 Panisidli, Hugo: See—
 Leathers, W., and Panisidli.
 Paré, Victor T., Collingswood, N. J., assignor to Radio Corporation of America. Method of and apparatus for making fibrous articles. 2,384,958; Sept. 18.
 Parker Appliance Company, The: See—
 Parker, A. L., Davies, and Mellichar, assignors.
 Parker, Arthur L., R. H. Davies, and J. F. Mellichar, assignors to The Parker Appliance Company, Cleveland, Ohio. Fluid dispensing device. 2,385,102; Sept. 18.
 Parker, Robert P.: See—
 Lecher, H. Z., Parker, and Denton.
 Parker, Willard T.: See—
 MacNeill, J. B., Peterson, and Parker.
 Parry, Frank, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating device for sewing machines. 2,385,299; Sept. 18.
 Paterson Engineering Company Limited, The: See—
 Smalley, William, assignor.
 Patterson, William S., Arlington, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Method and apparatus for producing bags. 2,385,229; Sept. 18.
 Paulsen, Henry C., Elizabeth, N. J., assignor to Standard Oil Development Company. Hydrocarbon fuel blends. 2,385,158; Sept. 18.
 Paxton, Donald D.: See—
 Smith, H. W., and Paxton.
 Pearson, Reinhold A., Spokane, Wash. Conveyer. 2,384,959; Sept. 18.
 Peck, Henry L.: See—
 Cumming, J. M., and Peck.
 Pennsylvania Railroad Company, The: See—
 Keller, William M., assignor.
 Perrine, John H.: See—
 Bruun, J. H., and Perrine.
 Perry, Edward W., Euclid, Ohio. Cooking grill. 2,384,847; Sept. 18.
 Perry, Eugene L., Bloomfield, N. J., assignor to Universal Winding Company, Boston, Mass. Method of and apparatus for forming tubular articles. 2,385,230; Sept. 18.
 Peters, Franklin T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dispersions of ethylene polymers. 2,384,848; Sept. 18.
 Peters, Walter C., Horley, England. Lock nut. 2,385,159; Sept. 18.
 Peterson, Alfred J. A.: See—
 MacNeill, J. B., Peterson, and Parker.
 Peterson, Carl D., and E. J. Barth, Toledo, Ohio. Gear shifting mechanism. 2,385,231; Sept. 18.
 Pethick, Ford C., Scranton, Pa. Loading and unloading vehicles. 2,385,025; Sept. 18.
 Petty, Olive S.: See—
 Reichert, Conrad, assignor.
 Pfizer, Chas., & Co., Inc.: See—
 Kane, J. H., Finlay, and Amann, assignors.
 Phelps, George H., Floral Park, and G. J. Frischmann, Queens Village, assignors to Metropolitan Engineering Company, Brooklyn, N. Y. Finishing welded article. 2,385,160; Sept. 18.
 Phillips, Gerald E., Cranford, N. J., assignor to Standard Oil Development Company. Chemical composition. 2,384,960; Sept. 18.
 Pierce, Lawrence, Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Double-throw switch mechanism. 2,385,026; Sept. 18.
 Pieri, Edmond D., Detroit, and J. E. Bowen, Grosse Ile, Mich., assignors to National Steel Corporation. Structural member. 2,384,849; Sept. 18.
 Pines, Herman, and V. N. Ipatieff, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,385,300; Sept. 18.
 Pinkerton, Jack L., Long Beach, Calif. Steam boiler control. 2,385,161; Sept. 18.
 Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Body construction. 2,384,961; Sept. 18.
 Playground Equipment Co., Inc.: See—
 Franklin, Robert B., assignor.

Pneumatic Scale Corporation, Limited: See—
 Patterson, William S., assignor.
 Robinson, George A., assignor.
 Pohl, Walter M., Washington, D. C., assignor to Vickers, Incorporated, Detroit, Mich. Synchronizing power control unit. 2,384,962; Sept. 18.
 Pollak, Fritz, Jackson Heights, assignor to Oscar Kohorn & Co. Ltd., New York, N. Y. Reeling device and reeling. 2,384,963; Sept. 18.
 Poor, William F., Swampscott, Mass. Ski press. 2,384,850; Sept. 18.
 Preston, Herbert E., assignor, by mesne assignments, to American Engineering Company, Philadelphia, Pa. Stoker. 2,385,027; Sept. 18.
 Pure Oil Company, The: See—
 Bell, R. T., and Thacker, assignors.
 Quaker Oats Company et al.: See—
 Turner, C. W., and Reineke, assignors.
 Quayle, Joshua C.: See—
 Walton, G. H., Quayle, and Jones.
 Quigley Company, Inc.: See—
 Thayer, Howard C., assignor.
 Radio Corporation of America: See—
 Bayless, James W., assignor.
 Garthwaite, Ernest, assignor.
 Paré, Victor T., assignor.
 Winlund, Edmond S., assignor.
 Radio Patents Corporation: See—
 Bell, David A., assignor.
 Railroad Rolling Stock Patents Corporation: See—
 Janeway, Robert N., assignor.
 Raiziss, George W., Le R. W. Clemence, and M. Freifelder, Philadelphia, Pa., assignors to Abbott Laboratories. Sulphanilylaminoxydantoin. 2,384,964; Sept. 18.
 Reichert, Conrad, assignor to O. S. Petty, San Antonio, Tex. Seismic surveying. 2,384,851; Sept. 18.
 Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Vehicle body construction. 2,384,965; Sept. 18.
 Reid, Leland E., South Pasadena, Calif. Propeller. 2,385,028; Sept. 18.
 Reiff, Orland M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Composition of matter. 2,385,301; Sept. 18.
 Reineke, Ezra P.: See—
 Turner, C. W., and Reineke.
 Reiser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Electrolyte control device with captive valve. 2,385,029; Sept. 18.
 Richardson Company, The: See—
 Reiser, Oliver O., assignor.
 Richardson, Hubert O., Washburn, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical apparatus for the manufacture of explosives. 2,385,162; Sept. 18.
 Richmond, Belding E.: See—
 Buckley, E. T., and Richmond.
 Ridge, Elinore E., executrix: See—
 Gutman, L., and Evans.
 Riedel, William, Lansdowne, Md. Safety pocket. 2,385,163; Sept. 18.
 Rist, Clarence E., Lyndhurst, Ohio. Safety stop mechanism for machine tools. 2,385,103; Sept. 18.
 Riverbank Laboratories: See—
 Elsenhour, B. E., assignor.
 Robbins, William K., Chicago, Ill. Chain link. 2,385,232; Sept. 18.
 Roberts, Martin J.: See—
 Collings, W. R., Freeman, Roberts, and Hisey.
 Robinson, George A., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Packaging machine. 2,385,233; Sept. 18.
 Robison, Charles F.: See—
 Ru Rose, A. H., and Robison.
 Roswell, Charles A., Newburgh, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,384,861; Sept. 18.
 Rowland, Forrest D., Dallas, Tex. Composite boat construction. 2,384,966; Sept. 18.
 Rutbell, Clarence C., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Cam fixture. 2,385,030; Sept. 18.
 Salvin, Victor S., Cumberland, Md., and A. J. Hill, New Haven, Conn., assignors to American Cyanamid Company, New York, N. Y. Alkamine derivatives of ethers of p-hydroxymethyl benzoic acid. 2,385,104; Sept. 18.
 Samelson, Bernard, assignor to The Deming Company, Salem, Ohio. Pump. 2,385,105; Sept. 18.
 Sargent & Company: See—
 Voight, Henry G., assignor.
 Scaife, Charles W.: See—
 Smith, A. E. W., Stanley, and Scaife.
 Scalero, Mario, Somerville, and A. W. Joyce, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Long chain alkyl substituted 4-amino-1,8-naphthalic acid imides. 2,385,106; Sept. 18.
 Schellhaus, John P., Jr., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Machine for making stemware. 2,385,302; Sept. 18.

Scherl, Egon B., Niagara Falls, N. Y., assignor to The Linde Air Products Company. Blowpipe. 2,385,107; Sept. 18.
 Schmerling, Louis, assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of aromatic compounds. 2,385,303; Sept. 18.
 Schmitt, George P., assignor to Cardinal Products Inc., New York, N. Y. Catalytic heater. 2,384,852; Sept. 18.
 Schmitz, Werner, Grenchen, Switzerland. Watchcase. 2,385,234; Sept. 18.
 Schneider, Rolf E., Jackson Heights, assignor to The Lummas Company, New York, N. Y. Styrene distillation. 2,385,235; Sept. 18.
 Schneider, Stanley S., Halethorpe, and L. W. Gregory, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multiple-channel inductive heating apparatus. 2,385,031; Sept. 18.
 Scholes, Richard T., Hinsdale, Ill. Rail fastening means. 2,385,032; Sept. 18.
 Schroeder, Wesley D.: See—
 Coleman, G. H., Schroeder, and Griess.
 Schulze, Albert C., Riverside, Iowa. Auto director. 2,385,164; Sept. 18.
 Schumacher, Frederick W., Westfield, and R. P. Ferguson, Cranford, N. J., assignors to Standard Oil Development Company. Separation of catalyst from oil. 2,384,967; Sept. 18.
 Schutte, August H., Tuckahoe, N. Y. Emulsion deoiling. 2,385,236; Sept. 18.
 Schwarz, Henry G., Marshallton, Del. Refrigeration unit for internal-combustion engines. 2,385,033; Sept. 18.
 Schweda, Albert M.: See—
 Le Vesconte, H. J., and Schweda.
 Schwinn, Frank W., Chicago, Ill. Truss bracket. 2,384,968; Sept. 18.
 Schynik, Walter H., Oreland, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Shockproof switch. 2,385,304; Sept. 18.
 Sears, Sterling G., Garden City, N. Y. Electric switch. 2,385,165; Sept. 18.
 Seeloff, Melvin M., assignor to The Taylor-Wingfield Corporation, Warren, Ohio. Welding electrode holder. 2,385,108; Sept. 18.
 Seide, William L., Rochester, N. Y. Pole slide protector. 2,385,305; Sept. 18.
 Seltzer, Clifford S., and S. M. Humphrey, assignors to The Taylor-Wingfield Corporation, Warren, Ohio. Welding apparatus. 2,385,109; Sept. 18.
 Serniuk, George E., Roselle, N. J., assignor to Standard Oil Development Company. Preparation of synthetic rubber-like materials by emulsion polymerization. 2,384,969; Sept. 18.
 Servel, Inc.: See—
 Roswell, Charles A., assignor.
 Thomas, Albert R., assignor.
 Seymour, George W., and D. Y. Miller, assignors to Celanese Corporation of America. Treatment of textile material. 2,385,110; Sept. 18.
 Shafer, Julius E., Chicago, Ill. Bearing seal construction. 2,385,306; Sept. 18.
 Sheets, Elwood P., Pembroke, and A. J. Chagnon, Pittsburgh, N. H. Shuttle feeder tip. 2,385,034; Sept. 18.
 Shell Development Company: See—
 Wachter, A., and Treseeder, assignors.
 Shirkey, James J.: See—
 Barksdale, John D., assignor.
 Shoemaker, Bernard H.: See—
 Carmody, D. R., and Shoemaker.
 Shortland, Arthur: See—
 Bromley, T. C., and Shortland.
 Shotwell, Hugh C., and R. F. Goff, Phoenix, Ariz. Automatic filling device for batteries. 2,384,970; Sept. 18.
 Siechre, René M., Elmhurst, N. Y. Shoemaking. 2,385,307; Sept. 18.
 Sillick, William E., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of wood pulp cellulose for nitration. 2,384,853; Sept. 18.
 Silvay, John E., and L. Taylor, Youngstown, Ohio. Apparatus for producing metal powder. 2,384,971; Sept. 18.
 Simpson, Clarence E., Springfield, Mass. Firing rate reducer. 2,384,854; Sept. 18.
 Singer Manufacturing Company, The: See—
 Parry, Frank, assignor.
 Singleton, Henry M., Goose Creek, and T. B. McCulloch, Baytown, Tex., assignors to Standard Oil Development Company. Production of diolefins and vinyl benzenes. 2,385,166; Sept. 18.
 Slater, Charles E., Jr.: See—
 Birk, P. M., and Slater.
 Smalley, William, London, W. C. 2, assignor to The Paterson Engineering Company Limited, London, England. Filtering apparatus. 2,384,972; Sept. 18.
 Smathers, James F., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,385,035; Sept. 18.
 Smathers, James F., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,385,036; Sept. 18.

Smith, Arthur E. W., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Production of derivatives of nitroethylene. 2,385,037; Sept. 18.
 Smith, Arthur E. W., R. H. Stanley, and C. W. Scaife, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Production of nitroethylene. 2,385,111; Sept. 18.
 Smith, D. Montgomery, Portland, Oreg. Weed puller. 2,385,167; Sept. 18.
 Smith, Frank B., assignor to The Dow Chemical Company, Midland, Mich. Vinylidene chloride compositions. 2,384,973; Sept. 18.
 Smith, Harold W., and D. D. Paxton, assignors to American Liquid Gas Corporation, Los Angeles, Calif. Charge forming device. 2,385,112; Sept. 18.
 Smith, Marie F., Berrien Center, Mich. Receptacle. 2,384,974; Sept. 18.
 Smith, Russell J., Houghton, Mich. Heating rate controller. 2,385,308; Sept. 18.
 Smyth, Glen M., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Vat dyestuffs of the anthrimide carbazole type. 2,385,113; Sept. 18.
 Snyder, Harold H., Mount Lebanon, assignor to Forter-Telchmann Company, Pittsburgh, Pa. Sorting machine. 2,385,038; Sept. 18.
 Socony-Vacuum Oil Company, Incorporated: See—
 Lechthaler, Charles H., assignor.
 Marisic, Milton M., assignor.
 Reiff, Orland M., assignor.
 So-day, Frank J., Swarthmore, Pa., assignor to The United Gas Improvements Company. Chemical process and product. 2,384,855; Sept. 18.
 Southern Phosphate Corporation: See—
 Coleman, John H., assignor.
 Ellis, Edward J., assignor.
 Ten Eyck, H. S., Chocholak, and Coleman, assignors.
 Sparks, William J., Elizabeth, and R. M. Thomas, Union, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Solid interpolymers of an isolefin and a non-conjugated diolefin. 2,384,975; Sept. 18.
 Spears, Frank G. W.: See—
 Lumb, C. F., and Spears.
 Specialties Development Corporation: See—
 Grant, H. C., Jr., and Thomsen, assignors.
 Spencer Aircraft Motors, Inc.: See—
 Spencer, Louis R., assignor.
 Spencer, Dorsey, et al.: See—
 Globus, Alfred R., assignor.
 Spencer, Louis R., West Hartford, assignor to Spencer Aircraft Motors, Inc., Hartford, Conn. Valve actuating mechanism. 2,385,309; Sept. 18.
 Sperry Gyroscope Company, Inc.: See—
 Depp, Marlin C., assignor.
 Kellogg, Spencer, 2d, assignor.
 Stahly, Eldon E., Pittsburgh, Pa., and F. B. Johnson, Baton Rouge, La., assignors to Standard Oil Development Company. Hydrocarbon polymerization process. 2,385,237; Sept. 18.
 Standard Catalytic Company: See—
 Barr, Frank T., assignor.
 Standard Oil Company: See—
 Carmody, D. R., and Shoemaker, assignors.
 Standard Oil Development Company: See—
 Atkins, George T., Jr., assignor.
 Blanding, Forrest H., assignor.
 Fasce, Egl V., assignor.
 Floyd, C. M., and Fram, assignors.
 Gwin, Gilmore T., assignor.
 Jones, Minor C. K., assignor.
 Lieber, Eugene, assignor.
 Marancik, J. V., and Martin, assignors.
 Paulsen, Henry C., assignor.
 Phillips, Gerald E., assignor.
 Schumacher, F. W., and Ferguson, assignors.
 Serniuk, George E., assignor.
 Singleton, H. M., and McCulloch, assignors.
 Stahly, E. E., and Johnson, assignors.
 Standard Register Company, The: See—
 Bickel, Bruce T., assignor.
 Standard Telephones and Cables Limited: See—
 Ward, George L., assignor.
 Stanley, Robert H.: See—
 Wilder, A. E. W., Stanley, and Scaife.
 Star Engineering Company: See—
 Buthe, Henry, assignor.
 Steckler, Nat P., New York, N. Y. Bottle closure. 2,385,114; Sept. 18.
 Steinmetz, Harry G., Port Chester, assignor to E. V. Hadley, New York, N. Y. Drawing roll cleaning machine. 2,385,039; Sept. 18.
 Stelzer, William, Summit, N. J. Brake. 2,385,168; Sept. 18.
 Stevenson, Jordan & Harrison, Inc.: See—
 Vang, Alfred, assignor.
 Stewart-Warner Corporation: See—
 Heymann, Seymour E., assignor.
 Norman, Horace M., assignor.
 Stober, Floyd B., Portland, Oreg. Vehicle direction indicating signal. 2,385,310; Sept. 18.
 Stokes, F. J., Machine Company: See—
 Strauss, William, assignor.
 Stone, Roy A., assignor to National Lock Company, Rockford, Ill. Metal cabinet hinge. 2,385,169; Sept. 18.

Stop-Motion Devices Corp.: See—
Vossch, Edward, assignor.
Strassburger, William J., and V. W. Hunter, Pittsburgh, Pa., assignor to Grant Building, Incorporated. Luminaire for use with tubular fluorescent lamps. 2,385,040; Sept. 18.
Strauss, William, Philadelphia, Pa., assignor to F. J. Stokes Machine Company. Loading device. 2,385,311; Sept. 18.
Strickland, John E., Madison, Fla. Tree scraper. 2,384,976; Sept. 18.
Striker, Hilda W., et al.: See—
Eddy, Arnold, assignor.
Strunk, Kenneth G.: See—
Haas, S. V., Jr., and Strunk.
Stuart, Clarence C., Pontiac, assignor to Mechanical Handling Systems, Inc., Detroit, Mich. Haulaway trailer construction. 2,385,115; Sept. 18.
Sulzer Freres, Société Anonyme: See—
Huber, Walter, assignor.
Sun Oil Company: See—
Bruun, J. H., and Perrine, assignors.
Sun Oil Company et al.: See—
Thayer, C. H., and Lassiat, assignors.
Swearingen, Clair V., Chattanooga, Tenn. Valve mechanism. 2,384,977; Sept. 18.
Swift, Walter G., Detroit, Mich. Smoking pipe. 2,385,312; Sept. 18.
Tallaferro, William R., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,385,041; Sept. 18.
Tallaferro, William R., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker control system. 2,385,042; Sept. 18.
Tarbox, Leon A., Cranford, N. J., assignor to The Lummus Company, New York, N. Y. Filtration. 2,385,238; Sept. 18.
Taylor, Louis: See—
Silvassy, J. E., and Taylor.
Taylor, Owen L.: See—
Ellis, D., and Taylor.
Taylor, Percy W., Finchley, London, N. 12, assignor of one-half to Fraser and Glass Limited, London, England. Electric accumulator. 2,384,978; Sept. 18.
Taylor-Wingfield Corporation, The: See—
Seeloff, Melvin M., assignor.
Teltzer, C. S., and Humphrey, assignors.
Tedd, James R., Willamette, Oreg. Steering spindle bearing for automobiles. 2,385,170; Sept. 18.
Ten Eyck, Hugh S., and J. Chocholak, North Plainfield, and J. H. Coleman, Plainfield, N. J., assignors to Southern Phosphate Corporation, New York, N. Y. Manufacture of crude phosphoric acid. 2,384,856; Sept. 18.
Terry, Bennett E., Stamford, Conn. Printing apparatus and preparing and using the same. 2,384,857; Sept. 18.
Texfan Company: See—
Morrison, Hackley, assignor.
Thacker, Carlisle M.: See—
Bell, R. T., and Thacker.
Thayer, Clarence H., Media, and R. C. Lassiat, Swarthmore, assignors of one-half to Sun Oil Company, Philadelphia, Pa., and one-half to Houdry Process Corporation, Wilmington, Del. Temperature control of contacting reactions. 2,384,858; Sept. 18.
Thayer, Howard C., Jersey City, N. J., assignor to Quigley Company, Inc., New York, N. Y. Heat-resisting wall construction. 2,384,859; Sept. 18.
Thomas, Albert R., deceased, by The National City Bank of Evansville, Ind., administrator, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,384,860; Sept. 18.
Thomas, Robert M.: See—
Sparks, W. J., and Thomas.
Thomsen, William A. V.: See—
Grant, H. C., Jr., and Thomsen.
Thurber, Elmer A., Brooklyn, N. Y., and L. A. Wooten, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preparing a coating suspension. 2,385,313; Sept. 18.
Thurston, Jack T., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Feryl sulphonates. 2,385,314; Sept. 18.
Timber Engineering Company: See—
Lank, Everett S., assignor.
Toledo Scale Company: See—
Williams, Lawrence S., assignor.
Torrington Manufacturing Co.: See—
Williams, Edmond B., assignor.
Trailer Company of America, The: See—
Black, James J., assignor.
Transit Research Corporation: See—
Piron, Emil H., assignor.
Treseder, Richard S.: See—
Wachter, A., and Treseder.
Trimbach, Clem G., Eggertsville, N. Y., assignor to Curtiss-Wright Corporation. Ammunition belt tension meter. 2,385,116; Sept. 18.
Trimbach, Clem G.: See—
Berlin, D. R., and Trimbach.
Turner, Charles W., and Ezra P. Reineke, Columbia, assignors to American Dairies Incorporated, Kansas City, Mo., and The Quaker Oats Company, Chicago, Ill. Increasing the egg production of fowls. 2,385,117; Sept. 18.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electrical weft detector for looms. 2,384,979; Sept. 18.
Turner Type Founders Company, The: See—
Adrian, Joseph, assignor.
Union Carbide and Carbon Corporation: See—
La Force, Jean, assignor.
Union Mining Company of Allegany County: See—
Morton, William A., assignor.
Union Signal and Signal Company, The: See—
Livingston, John W., assignor.
Union Special Machine Company: See—
Le Vesconte, H. J., and Schweda, assignors.
Union Switch & Signal Company, The: See—
Allen, Earl M., assignor.
Konrad, William L., assignor.
United Elastic Corporation: See—
Lilley, S. C., and Foster, assignors.
United Elevator Service, Inc.: See—
Di Giovanni, Joseph, assignor.
United Gas Improvements Company, The: See—
Soday, Frank J., assignor.
Universal Oil Products Company: See—
Pines, H., and Ipatieff, assignors.
Schmerling, Louis, assignor.
Universal Winding Company: See—
Perry, Eugene L., assignor.
Unsworth, Samuel A., Lawrenceville, Ill. Diesel engine fuel injector. 2,385,239; Sept. 18.
Usher, Vernon C.: See—
Haugh, Raymond R., assignor.
Valden, Cowles M., Indio, Calif. Ladder. 2,385,171; Sept. 18.
Valdes, Silverio A.: See—
D'Agostino, F. J., and Valdes.
Vanasse, Armand A., Waterbury, Conn. Shoulder pad. 2,385,315; Sept. 18.
Van Cleef Bros.: See—
Breslove, Abel H., assignor.
Vanderbilt, Byron M., Cranford, and N. S. Beckley, Jr., Westfield, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Coagulating emulsion polymerizates. 2,385,172; Sept. 18.
Vang, Alfred, Newark, N. J., assignor of one-half to Stevenson, Jordan & Harrison, Inc., New York, N. Y. Electric welding. 2,385,043; Sept. 18.
Vartanian, Richard D.: See—
Greene, R. D., Klenle, and Vartanian.
Vassar, Hervey P., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermoresponsive measuring instrument. 2,385,044; Sept. 18.
Vickers, Incorporated: See—
Pohl, Walter M., assignor.
Viehweber, August, assignor to Grand Rapids Hardware Company, Grand Rapids, Mich. Sash balance. 2,384,980; Sept. 18.
Villani, Antonio: See—
Allen, J. G., and Villani.
Visco-Meter Corporation: See—
Miller, Arthur E., assignor.
Voigt, Henry G., Hamden, assignor to Sargent & Company, New Haven, Conn. Door lock. 2,385,173; Sept. 18.
Von Fahland, Jurgen: See—
Lang, R., von Fahland, and Gros.
Vossen, Edward, assignor to Stop-Motion Devices Corp., Brooklyn, N. Y. Controller mounting for knitting machines. 2,385,174; Sept. 18.
Wachter, Aaron, Berkeley, and R. S. Treseder, assignors to Shell Development Company, San Francisco, Calif. Pipe-line corrosion inhibition. 2,385,175; Sept. 18.
Wallace, David A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Boat. 2,384,981; Sept. 18.
Wallace, John F., University Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Packing ring for shock absorbing struts. 2,385,045; Sept. 18.
Walter, Charles T., Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill. Soap molding machine. 2,385,322; Sept. 18.
Walton, Arthur L.: See—
Dixon, Fate, assignor.
Walton, George H., Helsby, near Warrington, J. C. Quayle, Manley, Helsby, and P. Jones, Kellsall, near Chester, assignors to British Insulated Cables Limited, Prescott, England. Heat treatment of the insulating coverings of electric wires and cables. 2,384,982; Sept. 18.
Walton, Robert O., assignor to Meria Tool Corporation, Dallas, Tex. Well flow device. 2,385,316; Sept. 18.
Wanamaker, Elmer M., Knoxville, Tenn., R. H. Cromwell, East Orange, N. J., and H. L. Chamberlain, assignors to Electro Manganese Corporation, Knoxville, Tenn. Ore reduction apparatus. 2,384,862; Sept. 18.
Ward, George L., Northwood, assignor to Standard Telephones and Cables Limited, London, England. Electric soldering apparatus. 2,385,118; Sept. 18.
Ward Leonard Electric Company: See—
Logan, Frank G., assignor.
Ware, Harris O., Kalamazoo, Mich., assignor to Hercules Powder Company, Wilmington, Del. Aqueous soybean protein compositions. 2,385,240; Sept. 18.

Warner, Harry C., assignor to American Inventions, Inc., San Francisco, Calif. Dispensing and vending system. 2,384,863; Sept. 18.
Warren, Marie E.: See—
Benton, Dudley C., assignor.
Warwick, Edwin M.: See—
MacDonald, Raymond E., assignor.
Weaver, Paul: See—
Murphy, Joseph C., assignor.
Weizmann, Charles, London, England. Manufacture of styrene and ethylbenzene. 2,384,984; Sept. 18.
Weiss, Felix, Brookline, Mass., assignor to Cornell-Dubilier Electric Corporation. Condenser winding machine. 2,384,983; Sept. 18.
Welte, Benedict, Lake Orion Township, Oakland County, assignor to Colonial Broach Company, Detroit, Mich. Broaching machine. 2,385,119; Sept. 18.
Westinghouse Air Brake Company, The: See—
Farmer, Clyde C., assignor.
Kelley, Cecil S., assignor.
Miller, Raymond E., assignor.
Newell, George K., assignor.
Westinghouse Electric Corporation: See—
Alben, F. L., and Langer, assignor.
Austin, Bascum O., assignor.
Baker, E. P., and Cunningham, assignors.
Booth, James D., assignor.
Brown, Myron J., assignor.
Cook, Shirley S., assignor.
Cunningham, J. M., and Peek, assignors.
Dudley, Adolphus M., assignor.
Ellis, D., and Taylor, assignors.
Gottlieb, Manious, assignor.
Hanna, Clinton R., assignor.
Hanna, R. P., Atkinson, and Brahmer, assignors.
Hanna, C. R., Mikina, and Lynn, assignors.
Hanson, Harold F., assignor.
Jennings, Oliver S., assignor.
Langer, Bernard F., assignor.
Leeds, W. M., and Baker, assignors.
MacNeill, J. B., Peterson, and Parker, assignors.
Mulheim, Joseph E., assignor.
Pierce, Lawrence, assignor.
Schneider, S. S., and Gregory, assignors.
Tallaferro, William R., assignor.
Vassar, Hervey P., assignor.
Wickerham, William R., assignor.
White, Edward H., assignor to The Whitecross Company Limited, Warrington, England. Rope. 2,385,241; Sept. 18.
White, Hobart S., Bethesda, Md. Telescope sight mount. 2,385,176; Sept. 18.
White, Joseph A., New London, Conn. Oil burner draft control. 2,385,317; Sept. 18.
White, Ralph F., San Bernardino, Calif. Adjustable piston for gas engines. 2,385,120; Sept. 18.
Whitecross Company Limited, The: See—
White, Edward H., assignor.
Whitener, Ernest A.: See—
Bodansky, J. C., and Whitener.
Whitin, Herbert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder for looms. 2,385,242; Sept. 18.
Whiting Corporation: See—
Fisher, Ernest F., assignor.
Wickerham, William R., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for alternating current drives. 2,384,864; Sept. 18.
Wickerham, William R., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Alternating current motor control system. 2,384,865; Sept. 18.

Wiczer, Sol B., Washington, D. C. Motor fuel. 2,384,866; Sept. 18.
Widdowson, Albert H.: See—
Holmes, H. H., and Widdowson.
Wiederkehr, Robert, Erlenbach, assignor to Aktiengesellschaft fuer Technische Studien, Zurich, Switzerland. Gas heater. 2,385,177; Sept. 18.
Wieggers, Irvin E., Overland, Mo., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Refrigerating system. 2,385,243; Sept. 18.
Wildt and Company Limited: See—
Holmes, H. H., and Widdowson, assignors.
Wiley, Clifford J.: See—
Canady, Buel H., assignor.
Wiley, John W., New York, N. Y. Key lock. 2,385,244; Sept. 18.
Wiley, Ralph M., assignor to The Dow Chemical Company, Midland, Mich. Fabricating polymeric vinylidene chloride. 2,385,318; Sept. 18.
Willard Storage Battery Company: See—
Hatfield, James E., assignor.
Williams, Arthur F., assignor to Wills-Edge Corporation, St. Paul, Minn. Spectacles. 2,384,867; Sept. 18.
Williams, Edmond B., Litchfield, assignor to The Torrington Manufacturing Co., Torrington, Conn. Electric heater. 2,385,121; Sept. 18.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Sensing mechanism. 2,385,323; Sept. 18.
Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Railway hopper construction. 2,385,245; Sept. 18.
Wills-Edge Corporation: See—
Williams, Arthur F., assignor.
Wilsey, Irven H., and A. E. Neumann; said Neumann assignor to said Wilsey; R. A. Wilsey, executrix of said I. H. Wilsey, deceased, Chicago, Ill. Method and apparatus for perforating sheet material. 2,385,246; Sept. 18.
Wilsey, Ruth A., executrix: See—
Wilsey, I. H., and Neumann.
Wingfoot Corporation: See—
Cavallito, Chester J., assignor.
Clifford, Albert M., assignor.
Clifford, A. M., and D'anni, assignors.
Hardman, Albert F., assignor.
Lichty, Joy G., assignor.
Milone, Charles R., assignor.
Winlund, Edmond S., Moorestown, N. J., assignor to Radio Corporation of America. Reverberation meter. 2,384,868; Sept. 18.
Winslow, Albert E., Mystic, assignor, by mesne assignments, to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Yarn twister. 2,385,046; Sept. 18.
Wooten, Leland A.: See—
Thurber, E. A., and Wooten.
Worthen, John H., Providence, R. I., assignor to Federal Products Corporation. Bore gauge. 2,385,122; Sept. 18.
Yeomans, Lucien I., Chicago, Ill. Generating bearing surfaces. 2,385,247; Sept. 18.
Young, William R.: See—
Mueller, A. G., Young, and Dazley.
Young, William R., Fairfield, Conn., assignor to General Electric Company. Electrical switch. 2,384,985; Sept. 18.
Youngstown Steel Door Company, The: See—
Ditchfield, Frank, assignor.
Zenith Radio Corporation: See—
Lytle, Chester W., assignor.
Zuckermann, Armand, Paris, France; vested in the Allen Property Custodian. Signaling or advertising device. 2,384,869; Sept. 18.

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Flap and auxiliary wheel control, Wing. E. L. Noonan and W. Tydon. Re. 22,674; Sept. 18.

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 Acetylene generator. J. La Force. 2,385,087; Sept. 18.
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 Acids and their salts, Preparation of amino carboxylic. G. O. Curme, Jr., H. C. Chitwood, and J. W. Clark. 2,384,816; Sept. 18.
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 Agitator, Dispersing. F. D. Miller. 2,384,952; Sept. 18.
 Aiming stake, Field artillery. E. Hoo. 2,385,278; Sept. 18.
 Aircraft. L. H. Crook. 2,384,893; Sept. 18.
 Aircraft gun mounting. S. J. Palfrey. 2,385,024; Sept. 18.
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 Airplane wing, Variable camber. H. F. Lee. 2,384,933; Sept. 18.
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 Alkaloids, Production of erythrina. K. Folkers and R. T. Major. 2,385,266; Sept. 18.
 Alkamine derivatives of ethers of p-hydroxymethyl benzoic acid. V. S. Salvin and A. J. Hill. 2,385,104; Sept. 18.
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 Antenna system. C. W. Lytle. 2,385,012; Sept. 18.
 Apparatus for communication systems. W. L. Konrad. 2,385,211-12; Sept. 18.
 Apparatus for continuous fractional distillation. E. M. F. Guignard. 2,385,074; Sept. 18.
 Apparatus for cooling, drying, and deslitting granular material. J. N. Collins and C. Ashton. 2,384,891; Sept. 18.
 Apparatus for cooling soap and similar solidifiable materials. D. A. Hackett. 2,385,134; Sept. 18.
 Apparatus for cutting metal. H. G. Hughey. 2,384,921; Sept. 18.
 Apparatus for producing metal bodies. R. K. Hopkins. 2,385,136; Sept. 18.
 Apparatus for producing metal powder. J. E. Silvasy and L. Taylor. 2,384,971; Sept. 18.
 Apparel and fabric therefor, Knitted article of. N. Levin. 2,384,934; Sept. 18.
 Applicator, Putty. R. Martines. 2,385,149; Sept. 18.
 Aqueous soybean protein compositions. H. O. Ware. 2,385,240; Sept. 18.
 Aromatic compounds, Alkylation of. L. Schmerling. 2,385,303; Sept. 18.
 Artificial bait. A. W. Goddard and A. A. Hallett. 2,384,993; Sept. 18.
 Attaching device, Branch pipe. J. Mercler. 2,385,017; Sept. 18.
 Attachment for screw machines. S. P. De Mato. 2,384,895; Sept. 18.
 Automatic filling device for batteries. H. C. Shotwell and R. F. Goff. 2,384,970; Sept. 18.
 Automatic reclosing circuit breaker. J. B. MacNeill, A. J. A. Peterson, and W. T. Parker. 2,385,013; Sept. 18.
 Automotive trim. J. R. Millar. 2,384,951; Sept. 18.
 Auxiliary spring mounting. B. H. Canady. 2,384,795; Sept. 18.
 Bag closure. C. V. Brady. 2,385,255; Sept. 18.
 Bags, Method and apparatus for producing. W. S. Patterson. 2,385,229; Sept. 18.
 Basket, Egg transfer. E. E. Buckley and B. E. Richmond. 2,384,794; Sept. 18.
 Beak trimming device for poultry. R. P. Barton. 2,384,875; Sept. 18.
 Bearing for automobiles, Steering spindle. J. R. Tedd. 2,385,170; Sept. 18.
 Bearing for rudder shafts. H. Lyons. 2,384,941; Sept. 18.
 Beneficiation of iron ore. R. B. Booth and E. C. Herkenhoff. 2,385,054; Sept. 18.
 Blade attachment by welding, Turbine. W. Huber. 2,384,919; Sept. 18.
 Blowpipe. E. B. Scherl. 2,385,107; Sept. 18.
 Boat. D. A. Wallace. 2,384,981; Sept. 18.
 Boat construction, Composite. F. D. Rowland. 2,384,966; Sept. 18.
 Body construction. E. H. Piron. 2,384,961; Sept. 18.
 Boiler control, Steam. J. L. Pinkerton. 2,385,161; Sept. 18.
 Bolt and nut, Blind fastening. D. C. Benton. 2,385,126; Sept. 18.
 Bore gauge. J. H. Worthen. 2,385,122; Sept. 18.
 Bottle cleaning apparatus. E. R. Becker. 2,385,050; Sept. 18.
 Bottle disposal rack. G. F. Albrecht. 2,384,870; Sept. 18.
 Bracket: See—
 Truss bracket.
 Brake: See—
 Variable load brake.
 Brake. W. Stelzer. 2,385,168; Sept. 18.
 Braking device for airplanes. A. D. Hansson. 2,384,997; Sept. 18.
 Broaching machine. B. Welte. 2,385,119; Sept. 18.
 Burner. W. A. Morton. 2,385,153; Sept. 18.
 Bushing, Bung. A. Lowy. 2,385,294; Sept. 18.
 Cable clamp. H. C. Nielsen. 2,385,225; Sept. 18.
 Cam fixture. C. C. Rutbell. 2,385,030; Sept. 18.
 Capping apparatus. J. J. Kittess. 2,385,004; Sept. 18.
 Car construction. F. Ditchfield. 2,385,062; Sept. 18.
 Carrousel. R. B. Franklin. 2,384,906; Sept. 18.
 Cartridge for contact printing and photographic paper dispensing, Convertible. C. E. Harper. 2,384,911; Sept. 18.
 Case for dial instruments. S. Kahn. 2,384,928; Sept. 18.
 Casting machine, Centrifugal. H. Andrews. 2,385,250; Sept. 18.
 Catalyst from oil, Separation of. F. W. Schumacher and R. P. Ferguson. 2,384,967; Sept. 18.
 Catalyst, Manufacture of. M. M. Marisc. 2,384,944; Sept. 18.
 Catalytic heater. G. P. Schmitt. 2,384,852; Sept. 18.
 Catalytic reactor. V. O. Bowles. 2,385,189; Sept. 18.
 Cellulose for nitration, Preparation of wood pulp. W. E. Sillick. 2,384,853; Sept. 18.
 Cementitious anchorable hanger support. G. E. Moore. 2,385,296; Sept. 18.
 Chair: See—
 Folding chair.
 Charge forming device. H. W. Smith and D. D. Paxton. 2,385,112; Sept. 18.
 Chemical apparatus for the manufacture of explosives. H. O. Richardson. 2,385,162; Sept. 18.
 Chemical composition. G. E. Phillips. 2,384,960; Sept. 18.
 Chemical process and product. F. J. Soday. 2,384,855; Sept. 18.
 Chloride compositions, Vinylidene. E. C. Britton. 2,384,886; Sept. 18.
 Chloride compositions, Vinylidene. E. C. Britton and H. W. Moll. 2,384,880-5; Sept. 18.
 Chloride compositions, Vinylidene. E. C. Britton and H. W. Moll. 2,385,256; Sept. 18.
 Chloride compositions, Vinylidene. A. W. Hanson and W. C. Goggin. 2,384,910; Sept. 18.
 Chloride compositions, Vinylidene. F. B. Smith. 2,384,973; Sept. 18.
 Chloride, Fabricating polymeric vinylidene. R. M. Wiley. 2,385,318; Sept. 18.
 Chlorine compositions, Vinylidene. L. A. Matheson. 2,384,947; Sept. 18.
 Cigarette holder. W. A. Olson. 2,385,227; Sept. 18.
 Circuit: See—
 Electric control circuit. Voltage changing circuit.
 Substation circuit. Voltage modifying circuit.
 Circuit breaker. J. M. Cumming and H. L. Peek. 2,384,801; Sept. 18.
 Circuit breaker. J. M. Cunningham. 2,384,802; Sept. 18.
 Circuit breaker. O. S. Jennings. 2,385,001; Sept. 18.
 Circuit breaker control system. W. R. Tallafarro. 2,385,042; Sept. 18.
 Circuit interrupter. W. M. Leeds and B. P. Baker. 2,385,008; Sept. 18.

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 Antenna system. C. W. Lytle. 2,385,012; Sept. 18.
 Apparatus for communication systems. W. L. Konrad. 2,385,211-12; Sept. 18.
 Apparatus for continuous fractional distillation. E. M. F. Guignard. 2,385,074; Sept. 18.
 Apparatus for cooling, drying, and deslitting granular material. J. N. Collins and C. Ashton. 2,384,891; Sept. 18.
 Apparatus for cooling soap and similar solidifiable materials. D. A. Hackett. 2,385,134; Sept. 18.
 Apparatus for cutting metal. H. G. Hughey. 2,384,921; Sept. 18.
 Apparatus for producing metal bodies. R. K. Hopkins. 2,385,136; Sept. 18.
 Apparatus for producing metal powder. J. E. Silvasy and L. Taylor. 2,384,971; Sept. 18.
 Apparel and fabric therefor, Knitted article of. N. Levin. 2,384,934; Sept. 18.
 Applicator, Putty. R. Martinez. 2,385,149; Sept. 18.
 Aqueous soybean protein compositions. H. O. Ware. 2,385,240; Sept. 18.
 Aromatic compounds, Alkylation of. L. Schmerling. 2,385,303; Sept. 18.
 Artificial bait. A. W. Goddard and A. A. Hallett. 2,384,993; Sept. 18.
 Attaching device, Branch pipe. J. Mercier. 2,385,017; Sept. 18.
 Attachment for screw machines. S. P. De Mato. 2,384,895; Sept. 18.
 Automatic filling device for batteries. H. C. Shotwell and R. F. Goff. 2,384,970; Sept. 18.
 Automatic reclosing circuit breaker. J. B. MacNeill, A. J. A. Peterson, and W. T. Parker. 2,385,013; Sept. 18.
 Automotive trim. J. R. Millar. 2,384,951; Sept. 18.
 Auxiliary spring mounting. B. H. Canady. 2,384,795; Sept. 18.
 Bag closure. C. V. Brady. 2,385,255; Sept. 18.
 Bags, Method and apparatus for producing. W. S. Patterson. 2,385,229; Sept. 18.
 Basket, Egg transfer. E. E. Buckley and B. E. Richmond. 2,384,794; Sept. 18.
 Beak trimming device for poultry. R. P. Barton. 2,384,875; Sept. 18.
 Bearing for automobiles, Steering spindle. J. R. Tedd. 2,385,170; Sept. 18.
 Bearing for rudder shafts. H. Lyons. 2,384,941; Sept. 18.
 Beneficiation of iron ore. R. B. Booth and E. C. Herkenhoff. 2,385,054; Sept. 18.
 Blade attachment by welding, Turbine. W. Huber. 2,384,919; Sept. 18.
 Blowpipe. E. B. Scherl. 2,385,107; Sept. 18.
 Boat. D. A. Wallace. 2,384,981; Sept. 18.
 Boat construction, Composite. F. D. Rowland. 2,384,966; Sept. 18.
 Body construction. E. H. Piron. 2,384,961; Sept. 18.
 Boiler control, Steam. J. L. Pinkerton. 2,385,161; Sept. 18.
 Bolt and nut, Blind fastening. D. C. Benton. 2,385,126; Sept. 18.
 Bore gauge. J. H. Worthen. 2,385,122; Sept. 18.
 Bottle cleaning apparatus. E. R. Becker. 2,385,050; Sept. 18.
 Bottle disposal rack. G. F. Albrecht. 2,384,870; Sept. 18.
 Bracket: See—
 Truss bracket.
 Brake: See—
 Variable load brake.
 Brake. W. Stelzer. 2,385,168; Sept. 18.
 Braking device for airplanes. A. D. Hansson. 2,384,997; Sept. 18.
 Broaching machine. B. Welte. 2,385,119; Sept. 18.
 Burner. W. A. Morton. 2,385,153; Sept. 18.
 Bushing, Bung. A. Lowy. 2,385,294; Sept. 18.
 Cable clamp. H. C. Nielsen. 2,385,225; Sept. 18.
 Cam fixture. C. C. Rutbell. 2,385,030; Sept. 18.
 Capping apparatus. J. J. Kittess. 2,385,004; Sept. 18.
 Car construction. F. Ditchfield. 2,385,062; Sept. 18.
 Carrousel. R. B. Franklin. 2,384,906; Sept. 18.
 Cartridge for contact printing and photographic paper dispensing, Convertible. C. E. Harper. 2,384,911; Sept. 18.
 Case for dial instruments. S. Kahn. 2,384,928; Sept. 18.
 Casting machine, Centrifugal. H. Andrews. 2,385,250; Sept. 18.
 Catalyst from oil, Separation of. F. W. Schumacher and R. P. Ferguson. 2,384,967; Sept. 18.
 Catalyst, Manufacture of. M. M. Marisc. 2,384,944; Sept. 18.
 Catalytic heater. G. P. Schmitt. 2,384,852; Sept. 18.
 Catalytic reactor. V. O. Bowles. 2,385,189; Sept. 18.
 Cellulose for nitration, Preparation of wood pulp. W. E. Sillick. 2,384,853; Sept. 18.
 Cementitious anchorable hanger support. G. E. Moore. 2,385,296; Sept. 18.
 Chair: See—
 Folding chair.
 Charge forming device. H. W. Smith and D. D. Paxton. 2,385,112; Sept. 18.
 Chemical apparatus for the manufacture of explosives. H. O. Richardson. 2,385,162; Sept. 18.
 Chemical composition. G. E. Phillips. 2,384,960; Sept. 18.
 Chemical process and product. F. J. Soday. 2,384,855; Sept. 18.
 Chloride compositions, Vinylidene. E. C. Britton. 2,384,886; Sept. 18.
 Chloride compositions, Vinylidene. E. C. Britton and H. W. Moll. 2,384,880-5; Sept. 18.
 Chloride compositions, Vinylidene. E. C. Britton and H. W. Moll. 2,385,256; Sept. 18.
 Chloride compositions, Vinylidene. A. W. Hanson and W. C. Goggin. 2,384,910; Sept. 18.
 Chloride compositions, Vinylidene. F. B. Smith. 2,384,973; Sept. 18.
 Chloride, Fabricating polymeric vinylidene. R. M. Wiley. 2,385,318; Sept. 18.
 Chlorine compositions, Vinylidene. L. A. Matheson. 2,384,947; Sept. 18.
 Cigarette holder. W. A. Olson. 2,385,227; Sept. 18.
 Circuit: See—
 Electric control circuit. Voltage changing circuit.
 Substation circuit. Voltage modifying circuit.
 Circuit breaker. J. M. Cumming and H. L. Peek. 2,384,801; Sept. 18.
 Circuit breaker. J. M. Cunningham. 2,384,802; Sept. 18.
 Circuit breaker. O. S. Jennings. 2,385,001; Sept. 18.
 Circuit breaker control system. W. R. Tallafarro. 2,385,042; Sept. 18.
 Circuit interrupter. W. M. Leeds and B. P. Baker. 2,385,008; Sept. 18.

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Circular knitting machine. T. C. Bromley and A. Shortland. 2,385,056; Sept. 18.
 Clamp: See—
 Cable clamp. Guardrail clamp.
 Clamp. E. F. Joyce. 2,385,209; Sept. 18.
 Clamp for split cylinders, Spring. S. V. Haas, Jr., and K. G. Strunk. 2,385,202; Sept. 18.
 Cleaner: See—
 Spray cleaner.
 Cleaning machine, Drawing roll. H. G. Steinmetz. 2,385,039; Sept. 18.
 Clip: See—
 Collar clip.
 Closure, Bottle. N. P. Steckler. 2,385,114; Sept. 18.
 Clothes-drying machine. J. R. Moore. 2,385,222-3; Sept. 18.
 Cocking device for automatic firearms, Mechanical. F. Brunner and C. Haury. 2,384,887; Sept. 18.
 Collapsible clothes drier. P. Berman. 2,384,878; Sept. 18.
 Collar clip. D. Bakerman. 2,384,788; Sept. 18.
 Communication system. A. B. Clark. 2,385,061; Sept. 18.
 Communication system. R. H. Herrick. 2,384,913; Sept. 18.
 Composition of matter. O. M. Reiff. 2,385,301; Sept. 18.
 Concentrator and amalgamator, Clay settling, centripetal reaction. F. E. Maynard. 2,385,094; Sept. 18.
 Condensation products and preparing and using the same. E. Lieber. 2,384,935; Sept. 18.
 Condenser. A. R. Muirhead. 2,385,297; Sept. 18.
 Condenser winding machine. F. Weiss. 2,384,983; Sept. 18.
 Connector: See—
 Electrical connector.
 Contacting process. M. M. Marisic. 2,384,942; Sept. 18.
 Container: See—
 Perfume dispensing container.
 Container. A. and E. A. Calleson. 2,384,810; Sept. 18.
 Container. E. D. Gilliam. 2,385,268; Sept. 18.
 Container from paper pulp and apparatus therefor, Making. R. E. MacDonald. 2,385,145; Sept. 18.
 Containers, Forming. J. Geier. 2,385,071; Sept. 18.
 Control mechanism. C. A. Arens. 2,384,805; Sept. 18.
 Control system. W. R. Tallaferro. 2,385,041; Sept. 18.
 Control system, Alternating current motor. W. R. Wickham. 2,384,865; Sept. 18.
 Control system for alternating current drives. W. R. Wickham. 2,384,864; Sept. 18.
 Control unit, Synchronizing power. W. M. Pohl. 2,384,962; Sept. 18.
 Conveyor. R. A. Pearson. 2,384,959; Sept. 18.
 Cooler: See—
 Photoengraver's plate cooler.
 Copolymer, Plasticized butadiene-acrylonitrile. J. G. Lichty. 2,385,290; Sept. 18.
 Corn and stalk harvester. K. H. Burgin. 2,385,193; Sept. 18.
 Counting device, Pick. A. Eddy. 2,384,901; Sept. 18.
 Coupling: See—
 Pipe coupling.
 Coupling trailers and bogies to prime movers. A. R. Nelson. 2,385,099; Sept. 18.
 Crank actuating mechanism, Nondead centering. A. J. Middler. 2,384,950; Sept. 18.
 Cup-separating and dispensing machine. F. Franz. 2,385,267; Sept. 18.
 Cutter for and method of cutting gears. F. B. McMullen. 2,385,220; Sept. 18.
 Data storing device and data selecting means therefor. W. Leathers and H. Panissidi. 2,385,007; Sept. 18.
 Dehydrating food concentrates. C. H. Eschbaugh, H. S. Mitchell, and L. S. Paddock. 2,385,068; Sept. 18.
 Derivatives of nitroethylene, Production of. A. E. W. Smith. 2,385,037; Sept. 18.
 Detecting device, Tack. C. G. Hilton. 2,385,271; Sept. 18.
 Detector for looms, Electrical weft. R. G. Turner. 2,384,979; Sept. 18.
 Detergent composition. J. K. Gunther. 2,385,075; Sept. 18.
 Device for eliminating backlash. G. A. Carroll. 2,385,194; Sept. 18.
 Device for forming containers of flexible material. R. E. MacDonald. 2,385,147; Sept. 18.
 Device for holding inner tubes. G. M. Anderson. 2,384,803; Sept. 18.
 Device for overcoming effects of shocks. F. G. Logan. 2,385,292-3; Sept. 18.
 Device for sewing machines, Lubricating. F. Parry. 2,385,299; Sept. 18.
 Diolefins and vinyl benzenes, Production of. H. M. Singleton and T. B. McCulloch. 2,385,166; Sept. 18.
 Director, Auto. A. C. Schulze. 2,385,164; Sept. 18.
 Dishes, Cleansing. D. K. Ferris. 2,385,264; Sept. 18.
 Disk, Abrasive. F. O. Albertson. 2,385,249; Sept. 18.
 Dispensing attachment for containers. J. B. Clower. 2,385,195; Sept. 18.
 Dispensing and vending system. H. C. Warner. 2,384,863; Sept. 18.

Dispensing device, Fluid. A. L. Parker, R. H. Davies, and J. F. Melchar. 2,385,102; Sept. 18.
 Display device. R. J. Jorgenson and F. L. Clute. 2,385,002; Sept. 18.
 Domestic appliance. D. K. Ferris. 2,384,903; Sept. 18.
 Door frame construction for cabinets. H. Derman. 2,384,896; Sept. 18.
 Door lock. H. G. Voight. 2,385,173; Sept. 18.
 Double-break contact. D. Ellis and O. L. Taylor. 2,384,988; Sept. 18.
 Dowel construction. A. R. Houk. 2,384,918; Sept. 18.
 Draft control. C. C. Buren. 2,385,192; Sept. 18.
 Draft control, Oil burner. J. A. White. 2,385,317; Sept. 18.
 Drawer. F. F. Loeb and J. E. Bales. 2,384,842; Sept. 18.
 Drawing holes in carbide die nibs, Forming. E. W. Engle. 2,385,198; Sept. 18.
 Drier: See—
 Collapsible clothes drier.
 Drier. J. R. French. 2,384,990; Sept. 18.
 Drive control for textile machinery. J. C. Bodansky and E. K. Whitener. 2,384,879; Sept. 18.
 Driver, Sheeting. A. Feucht. 2,384,989; Sept. 18.
 Driving mechanism. H. F. Hanson. 2,384,906; Sept. 18.
 Dumping apparatus. J. H. Fletcher. 2,384,904; Sept. 18.
 Duplex reversible toolholder. J. Lipani. 2,385,010; Sept. 18.
 Dyes for wire drawing, Preparation of diamond. A. E. Jones. 2,385,137; Sept. 18.
 Dyestuff of the anthrimide carbazole type, New vat. G. M. Smyth. 2,385,113; Sept. 18.
 Dynamoelectric machine. A. Fisher. 2,385,199; Sept. 18.
 Dynamoelectric machine. J. E. Mulheim. 2,385,022; Sept. 18.
 Earring. L. Hoffman. 2,384,915; Sept. 18.
 Egg production of fowls, Increasing the. C. W. Turner and E. P. Reineke. 2,385,117; Sept. 18.
 Electric control circuit. O. W. Livingston. 2,385,214; Sept. 18.
 Electric heater. E. B. Williams. 2,385,121; Sept. 18.
 Electric soldering apparatus. G. L. Ward. 2,385,118; Sept. 18.
 Electric switch. S. G. Sears. 2,385,165; Sept. 18.
 Electric turret traverse. C. R. Hanna, S. Mikina, and L. B. Lynn. 2,385,203; Sept. 18.
 Electric vibration generator. A. M. Dudley. 2,384,987; Sept. 18.
 Electric welding. A. Vang. 2,385,043; Sept. 18.
 Electrical apparatus. S. S. Cook. 2,384,799; Sept. 18.
 Electrical connector. H. E. Brunelle, Jr. 2,385,191; Sept. 18.
 Electrical stethoscope. B. Minsky. 2,385,221; Sept. 18.
 Electrical switch. W. R. Young. 2,384,985; Sept. 18.
 Electrode holder. P. W. Heinrich. 2,384,999; Sept. 18.
 Electrolyte control device with captive valve. O. O. Reiser. 2,385,029; Sept. 18.
 Electrolytically extracting metal. A. R. Globus. 2,385,269; Sept. 18.
 Elevator system. J. Di Giovanni. 2,384,986; Sept. 18.
 Emulsion deolling. A. H. Schutte. 2,385,236; Sept. 18.
 Escapement mechanism. C. Lurtz. 2,385,011; Sept. 18.
 Esterification. J. H. Bruun and J. H. Perrine. 2,384,793; Sept. 18.
 Esters of 4-cyclohexene-1,2-dicarboxylic acid. C. L. Moyle. 2,384,955; Sept. 18.
 Esters, Stabilization of. C. R. Milone. 2,385,018; Sept. 18.
 Ethyl benzene, Synthesis of. F. H. Blanding. 2,385,187; Sept. 18.
 Ethylene, Alkylation of. G. T. Atkins, Jr. 2,385,123; Sept. 18.
 Ethylene polymers, Dispersions of. F. T. Peters. 2,384,848; Sept. 18.
 Fabric and preparing and using the same, Elastic. S. C. Lilley and E. E. Foster. 2,384,936; Sept. 18.
 Fabrics, Finishing pigment-resin colored. R. D. Greene, R. H. Kienle, and R. D. Vartanian. 2,385,320; Sept. 18.
 Fan. L. Grant. 2,385,070; Sept. 18.
 Fan, Ventilating or exhaust. H. Morrison. 2,385,152; Sept. 18.
 Fastener: See—
 Free flexing separable fastener.
 Fastener. R. W. Allen. 2,385,180; Sept. 18.
 Fastening means, Rail. R. T. Scholes. 2,385,032; Sept. 18.
 Feeding apparatus, Livestock. A. D. Duncan. 2,384,900; Sept. 18.
 Fibrous articles, Method of and apparatus for making. V. T. Paré. 2,384,958; Sept. 18.
 Filtering apparatus. W. Smalley. 2,384,972; Sept. 18.
 Filtration. L. A. Tarbox. 2,385,238; Sept. 18.
 Firing mechanism for repeating firearms. V. A. Brownling. 2,385,057; Sept. 18.
 Firing rate reducer. C. W. Gilligan. 2,384,832; Sept. 18.
 Firing rate reducer. C. E. Simpson. 2,384,854; Sept. 18.
 First-aid kit and stretcher. Z. T. Egardner. 2,385,067; Sept. 18.
 Flashhook. B. M. Hammond. 2,385,274; Sept. 18.

Fixture: See—
 Cam fixture.
 Fluid drive. G. R. Ericson. 2,385,263; Sept. 18.
 Fluorine compounds, Recovering. O. C. Jones. 2,385,208; Sept. 18.
 Flux valve. M. C. Depp. 2,384,819; Sept. 18.
 Folding chair. H. C. Gray. 2,385,072; Sept. 18.
 Food, Freezing. F. W. Knowles. 2,385,140; Sept. 18.
 Forming method. D. C. Kemmer. 2,385,083; Sept. 18.
 4-amino-1,8-naphthilic acid imides, Long chain alkyl substituted. M. Scalera and A. W. Joyce. 2,385,106; Sept. 18.
 Free flexing separable fastener. L. H. Morin. 2,385,021; Sept. 18.
 Frequency modulated waves for radio transmission, Producing. E. Labin. 2,385,085; Sept. 18.
 Fuel injector, Diesel engine. S. A. Unsworth. 2,385,239; Sept. 18.
 Fuel, Motor. S. B. Wiczer. 2,384,866; Sept. 18.
 Fuel synthesis, Motor. D. R. Carmody and B. H. Shoe-maker. 2,384,796; Sept. 18.
 Furnace, S. R. Du Brie. 2,385,065; Sept. 18.
 Furnace and operation, Open-hearth. J. M. Crowe. 2,385,261; Sept. 18.
 Garment. I. Abzug. 2,385,178; Sept. 18.
 Gas heater. R. Wiederkehr. 2,385,177; Sept. 18.
 Gas igniter. J. A. Cerny and J. Converse. 2,384,797; Sept. 18.
 Gas turbine. G. W. Lawson. 2,385,006; Sept. 18.
 Gases with liquids, Methods and apparatus for reacting. H. H. Friedel. 2,385,200; Sept. 18.
 Gauge: See—
 Bore gauge. Rain gauge.
 Inside diameter measuring and indicator gauge.
 Gear lapping machine. F. W. Davis. 2,385,129; Sept. 18.
 Gear shifting mechanism. C. D. Peterson and E. J. Barth. 2,385,231; Sept. 18.
 Gel particles, Spheroidal. M. M. Marisic. 2,384,945; Sept. 18.
 Gel pellets. M. M. Marisic. 2,385,217; Sept. 18.
 Generator: See—
 Acetylene generator. Synchronizing generator.
 Electric vibration generator.
 Generating bearing surfaces. L. I. Yeomans. 2,385,247; Sept. 18.
 Governor apparatus. M. Gottlieb. 2,385,201; Sept. 18.
 Grill, Cooking. E. W. Perry. 2,384,847; Sept. 18.
 Grinding and polishing booth, Magnesium castings. E. F. Fisher. 2,384,991; Sept. 18.
 Grinding device. L. M. Holtz. 2,384,917; Sept. 18.
 Grip hanger. J. Halpert and E. Lambert. 2,385,076; Sept. 18.
 Gripping or cutting tool. S. A. Drmic. 2,384,822; Sept. 18.
 Guardrail clamp. H. R. Akers. 2,385,248; Sept. 18.
 Gyro instrument. S. Kellogg, 2nd. 2,384,838; Sept. 18.
 Hanger: See—
 Grip hanger.
 Heat exchanger, Hollow fin. S. E. Heymann. 2,385,080; Sept. 18.
 Heat treatment of the insulating coverings of electric wires and cables. G. H. Walton, J. C. Quayle, and P. Jancz. 2,384,982; Sept. 18.
 Heater: See—
 Catalytic heater. Gas heater.
 Electric heater.
 Heater. H. E. Holthouse. 2,384,836; Sept. 18.
 Heater and circulator, Electric. C. MacGregor. 2,385,295; Sept. 18.
 Heating apparatus. H. J. De N. McCollum. 2,385,096; Sept. 18.
 Heating method. R. R. Haugh. 2,384,998; Sept. 18.
 Hemostat. O. W. Hunn. 2,385,207; Sept. 18.
 Hinge, Metal cabinet. R. A. Stone. 2,385,169; Sept. 18.
 Hoist. H. T. Hart, H. A. Barber, and E. W. Burbeck. 2,385,276; Sept. 18.
 Holder: See—
 Cigarette holder. Shaving brush holder.
 Electrode holder. Welding electrode holder.
 Holder and fixture for tubular lamps. A. G. Mueller, W. R. Young, and F. C. Dazley. 2,384,956; Sept. 18.
 Holder for looms, Thread. H. A. Whitin. 2,385,242; Sept. 18.
 Holding means, Garment. B. P. Bohn. 2,385,053; Sept. 18.
 Hood, Welder's. O. J. O. Conway. 2,384,798; Sept. 18.
 Hopper construction, Railway. V. Willoughby. 2,385,245; Sept. 18.
 Hydraulic drive. W. Ferris. 2,385,069; Sept. 18.
 Hydraulic torque converter. R. Lang, J. von Fahland, and H. Gros. 2,384,841; Sept. 18.
 Hydrocarbon fuel blends. H. C. Paulsen. 2,385,158; Sept. 18.
 Hydrocarbon polymerization process. E. E. Stahly and F. B. Johnson. 2,385,237; Sept. 18.
 Hydrocarbon synthesis reaction. F. T. Barr. 2,384,874; Sept. 18.
 Hydrocarbons, Conversion of. R. T. Bell and C. M. Thacker. 2,384,877; Sept. 18.

Hydrocarbons, Conversion of. M. M. Marisic. 2,384,943; Sept. 18.
 Hydrocarbon, Conversion of. H. Pines and V. N. Ipatieff. 2,385,300; Sept. 18.
 Hydrocarbons, Method and apparatus for the conversion of. C. H. Lechthaler. 2,384,932; Sept. 18.
 Hydrocarbons, Polymerization of conjugated diene. G. L. Browning, Jr. 2,385,190; Sept. 18.
 Hydromechanical power transmission. H. Buthe. 2,385,058-9; Sept. 18.
 Ignition breaker. H. L. Fuston. 2,384,828; Sept. 18.
 Imprinting apparatus. B. T. Bickel. 2,384,807; Sept. 18.
 Index or record strip, Visible. H. J. Hopkins. 2,385,082; Sept. 18.
 Indicator and hood lock, Automobile theft. C. E. Kollas. 2,385,285; Sept. 18.
 Infusions, Process and apparatus for making. M. H. Graham. 2,385,132; Sept. 18.
 Inhibition, Pipe line corrosion. A. Wachter and R. S. Treseder. 2,385,175; Sept. 18.
 Insect trap. F. D. Kendrick. 2,384,930; Sept. 18.
 Insecticides and using. W. A. Knapp. 2,385,284; Sept. 18.
 Inside diameter measuring and indicator gauge. J. C. and J. F. Nilsson. 2,385,167; Sept. 18.
 Inspection table. J. A. Miller. 2,385,321; Sept. 18.
 Interpolymer of an isolefin and a non-conjugated diolefin. Solid. W. J. Sparks and R. M. Thomas. 2,384,975; Sept. 18.
 Itaconic acid, Production of. J. H. Kane, A. C. Finlay, and P. F. Amann. 2,385,283; Sept. 18.
 Jar, Battery. F. S. Carlisle. 2,385,127; Sept. 18.
 Key lock. J. W. Wiley. 2,385,244; Sept. 18.
 Knitting machine. H. H. Holmes and A. H. Widdowson. 2,385,081; Sept. 18.
 Lacquer compositions, Nitrocellulose. G. R. Barrett. 2,385,125; Sept. 18.
 Ladder. C. M. Valden. 2,385,171; Sept. 18.
 Ladder and adjustable platform assembly, Portable. B. C. Lord. 2,384,939; Sept. 18.
 Landing gear lock. R. F. Dreifke. 2,385,063; Sept. 18.
 Laundry vehicle. J. D. Barksdale. 2,384,873; Sept. 18.
 Lifeboat breaker. J. R. MacDonald. 2,385,146; Sept. 18.
 Lighter, Gas torch. O. V. Malmquist. 2,384,844; Sept. 18.
 Lime in heavy-media separation process, Use of. N. Hedley and J. J. Kress. 2,385,079; Sept. 18.
 Link, Chain. W. K. Robbins. 2,385,232; Sept. 18.
 Link, Metallic cartridge belt. D. O. Fuchs. 2,384,827; Sept. 18.
 Link slide, Safety delivery. W. J. Droski. 2,385,064; Sept. 18.
 Loading device. W. Strauss. 2,385,311; Sept. 18.
 Lock: See—
 Landing gear lock.
 Door lock. Nut lock.
 Key lock.
 Locking valve. J. Mercier. 2,385,016; Sept. 18.
 Loom. S. J. Geddings. 2,384,909; Sept. 18.
 Lubricating device. G. R. Eitner. 2,384,824; Sept. 18.
 Lubricating device, Car journal. C. L. Howard. 2,385,280; Sept. 18.
 Luminaire for use with tubular fluorescent lamps. W. J. Strassburger and V. W. Hunter. 2,385,040; Sept. 18.
 Machine for grinding bits. F. Dixon. 2,384,899; Sept. 18.
 Machine for pasting storage battery grids. J. E. Hatfield. 2,385,277; Sept. 18.
 Machine gun charger. H. C. Grant, Jr., and W. A. V. Thomsen. 2,384,834; Sept. 18.
 Machine tool. E. P. Bullard, III, Le R. E. Alvey, E. N. Cowell, P. H. Lange, and F. H. Mussler. 2,384,809; Sept. 18.
 Magnesium, Production of metallic. J. D. Hanawalt and T. M. Hess. 2,384,835; Sept. 18.
 Magneto. W. Ochsenbein. 2,385,226; Sept. 18.
 Manufacture of cuprous oxide. W. J. Harshaw and C. J. Harbert. 2,385,078; Sept. 18.
 Measuring and discharging device. J. D. Lyall. 2,385,092; Sept. 18.
 Measuring system, Strain. B. F. Langer. 2,385,005; Sept. 18.
 Mechanism for machine tools, Safety stop. C. E. Rist. 2,385,103; Sept. 18.
 Metal bodies, Method and apparatus for producing. R. K. Hopkins. 2,385,206; Sept. 18.
 Metals, Communion of molten. G. J. Comstock. 2,384,892; Sept. 18.
 Meter: See—
 Ammunition belt tension Reverberation meter.
 Meter and indicator therefor, Interval. T. F. Bludworth. 2,385,254; Sept. 18.
 Metering system, Impulse. M. J. Brown. 2,384,792; Sept. 18.
 Modulating means for cooler control. J. E. Chapman. 2,385,060; Sept. 18.
 Modulation of electrical quantities. F. J. D'Agostino and S. A. Valdes. 2,385,086; Sept. 18.
 Modulator, Frequency. D. A. Bell. 2,384,789; Sept. 18.
 Molding machine, Soap. C. T. Walter. 2,385,322; Sept. 18.

Motor: See—
 Tube cleaner motor. Windshield wiper motor.
 Motor fuel, Production of. G. T. Gwin. 2,385,133; Sept. 18.
 Mounting: See—
 Aircraft gun mounting. Auxiliary spring mounting.
 Mounting for guns. Adjustable rear. A. Martin. 2,385,218; Sept. 18.
 Mounting for interchangeable sticks and wheels. T. C. Barber. 2,385,184; Sept. 18.
 Mounting for knitting machines. Controller. E. Vossen. 2,385,174; Sept. 18.
 Multiple-channel inductive heating apparatus. S. S. Schneider and L. W. Gregory. 2,385,031; Sept. 18.
 Nitration process. J. B. Castner. 2,385,128; Sept. 18.
 Nitroethylene, Production of. A. E. W. Smith, R. H. Stanley, and C. W. Scaife. 2,385,111; Sept. 18.
 N-substituted derivatives of 4,4'-diaminodiphenyl ether. H. Z. Lecher, R. P. Parker, and J. J. Denton. 2,385,088; Sept. 18.
 Nut lock. H. J. Gallagher. 2,384,908; Sept. 18.
 Nut, Lock. W. C. Peters. 2,385,159; Sept. 18.
 Nut, Self-locking. R. J. Miller. 2,384,953; Sept. 18.
 Octafluorocyclobutane and pyrolytic process for its production. F. B. Downing, A. F. Benning, and R. C. McHarness. 2,384,821; Sept. 18.
 Oil from oil fields, Recovery of. M. Muskat. 2,385,298; Sept. 18.
 Oils, Cracking of hydrocarbon. J. V. Marancik and H. Z. Martin. 2,385,216; Sept. 18.
 Oils, Producing white. C. M. Floyd and J. Fram. 2,384,905; Sept. 18.
 Opening apparatus, Jewel hole. J. O. Le Van. 2,385,287; Sept. 18.
 Ophthalmic mounting. C. O. Cozzens. 2,384,815; Sept. 18.
 Optical instrument. G. W. Moffitt. 2,385,019; Sept. 18.
 Ore reduction apparatus. E. M. Wanamaker, R. H. Cromwell, and H. L. Chamberlain. 2,384,862; Sept. 18.
 Oscillator, Crystal controlled. L. R. Cox. 2,385,260; Sept. 18.
 Oscillator, Torsional. B. E. Eisenhour. 2,384,823; Sept. 18.
 Oxidation of alcohols, Catalytic alkaline. H. C. Chitwood. 2,384,817; Sept. 18.
 Packaging. C. J. Cavallito. 2,385,257; Sept. 18.
 Packaging machine. G. A. Robinson. 2,385,233; Sept. 18.
 Packing ring for shock absorbing struts. J. F. Wallace. 2,385,045; Sept. 18.
 Pad: See—
 Shoulder pad.
 Paper handling machine. J. Adrian. 2,385,047; Sept. 18.
 Pellets, Hydrogel. M. M. Marisc. 2,384,946; Sept. 18.
 Perforating sheet material, method and apparatus for. I. H. Wilsey and A. E. Neumann. 2,385,246; Sept. 18.
 Perfume dispensing container. L. L. Marohl. 2,385,098; Sept. 18.
 Phosphoric acid and intermediate products, Production of pure. J. H. Coleman. 2,384,814; Sept. 18.
 Phosphoric acid, Manufacture of crude. H. S. Ten Eyck, J. Chocholak, and J. H. Coleman. 2,384,856; Sept. 18.
 Phosphoric acid, Manufacture of pure. J. H. Coleman. 2,384,813; Sept. 18.
 Photoengraver's plate cooler. E. G. Grubbs. 2,385,073; Sept. 18.
 Photographs in blue tones, Production of. F. Dersch and N. Heimbach. 2,384,897; Sept. 18.
 Photography, Stereoscopic. F. H. Avers and E. C. Krebs. 2,385,183; Sept. 18.
 Pipe: See—
 Smoking pipe.
 Pipe coupling. G. K. Newell. 2,385,156; Sept. 18.
 Piston for gas engines, Adjustable. R. F. White. 2,385,120; Sept. 18.
 Plastic treating apparatus. A. C. Levine. 2,385,143; Sept. 18.
 Plate, Oven. H. Kaplan. 2,385,210; Sept. 18.
 Plate processing machine, Film or photographic. H. W. Dietert. 2,384,898; Sept. 18.
 Plumb bob line reel. Le R. I. Hoagland. 2,384,914; Sept. 18.
 Pocket, Safety. W. Riedel. 2,385,163; Sept. 18.
 Pole slide protector. W. L. Seide. 2,385,305; Sept. 18.
 Polycyclic compounds from isophorone and the manufacture of same. O. Huppert. 2,385,281; Sept. 18.
 Polymeric sulphur containing derivatives and their preparation. W. J. Burke. 2,384,888; Sept. 18.
 Polymerisates, Coagulating emulsion. B. M. Vanderblit and N. S. Beekley, Jr. 2,385,172; Sept. 18.
 Polymers, Producing high molecular weight iso-olefin. R. L. Holmes. 2,384,916; Sept. 18.
 Polymers, Substituted acrylonitrile. A. M. Clifford. 2,385,258; Sept. 18.
 Potteryware, Method and apparatus for jiggering. W. J. Miller. 2,384,845; Sept. 18.
 Powder, Propellant smokeless. H. H. Holmes. 2,385,135; Sept. 18.
 Preparation of amino carboxylic acids and their salts. G. O. Curme, Jr., H. C. Chitwood, and J. W. Clark. 2,384,818; Sept. 18.
 Preparation of red copper oxide. A. H. Du Rose and C. F. Robison. 2,385,066; Sept. 18.

Preparation of synthetic rubber-like materials by emulsion polymerization. G. E. Serniuk. 2,384,969; Sept. 18.
 Press: See—
 Ski press.
 Pressing and ironing device, Steam-electric. M. M. Kistner. 2,384,839; Sept. 18.
 Printing. J. M. Lowe. 2,384,843; Sept. 18.
 Printing apparatus and preparing and using the same. B. F. Terry. 2,384,857; Sept. 18.
 Propeller. L. E. Reid. 2,385,028; Sept. 18.
 Protection of electric systems. A. J. McConnell. 2,385,219; Sept. 18.
 Protector: See—
 Pole slide protector. Shaft protector.
 Puller: See—
 Weed puller.
 Pump. B. Samelson. 2,385,105; Sept. 18.
 Rack: See—
 Bottle disposal rack.
 Railway traffic controlling apparatus. E. M. Allen. 2,385,179; Sept. 18.
 Rain gauge. J. B. Moore. 2,384,954; Sept. 18.
 Rate controller, Heating. R. J. Smith. 2,385,308; Sept. 18.
 Receptacle. M. F. Smith. 2,384,974; Sept. 18.
 Reel: See—
 Plumb bob line reel.
 Reeling device and reeling. F. Pollak. 2,384,963; Sept. 18.
 Refrigerating system. I. E. Wieggers. 2,385,243; Sept. 18.
 Refrigeration. C. A. Roswell. 2,384,861; Sept. 18.
 Refrigeration. A. R. Thomas. 2,384,860; Sept. 18.
 Refrigeration unit for internal-combustion engines. H. G. Schwarz. 2,385,033; Sept. 18.
 Regulator. B. O. Austin. 2,384,786; Sept. 18.
 Resinous material and making. C. G. Moore. 2,384,846; Sept. 18.
 Reverberation meter. E. S. Winlund. 2,384,868; Sept. 18.
 Rig, Splicing. L. H. Garlinghouse. 2,384,992; Sept. 18.
 Rope. E. H. White. 2,385,241; Sept. 18.
 Rotary metering valve for Diesel engines. S. Lerner. 2,385,089; Sept. 18.
 Rubber-like materials, Manufacture and application of synthetic. J. G. Anderson, R. Hill, and L. B. Morgan. 2,385,182; Sept. 18.
 Safe, Portable. R. M. Ferguson. 2,384,826; Sept. 18.
 Sand from phosphate rock, Separating quartz. E. J. Ellis. 2,384,825; Sept. 18.
 Sanitary apparatus for toilet doors. L. J. Menges. 2,384,949; Sept. 18.
 Sash balance. A. Viehweger. 2,384,980; Sept. 18.
 Screw, Balance. W. O. Bennett, Jr. 2,385,252; Sept. 18.
 Seal construction, Bearing. J. E. Shafer. 2,385,306; Sept. 18.
 Seal for bags. V. A. Nelson. 2,385,023; Sept. 18.
 Sealing means, Gun. D. R. Berlin and C. G. Trimbach. 2,385,051; Sept. 18.
 Seals, Making a lead-in. L. C. Goodale. 2,384,833; Sept. 18.
 Seam system for ventilating garments. A. Barone. 2,385,124; Sept. 18.
 Seed planting machine. J. M. Dodwell. 2,384,820; Sept. 18.
 Seismic surveying. C. Reichert. 2,384,851; Sept. 18.
 Sensing mechanism. L. S. Williams. 2,385,323; Sept. 18.
 Separable fastener. L. H. Morin. 2,385,020; Sept. 18.
 Sewing machine, Lock stitch. H. J. Le Vesconte and A. M. Schweda. 2,385,268; Sept. 18.
 Shaft protector. R. K. Hoke. 2,385,000; Sept. 18.
 Shank and patching cement press for footwear. C. G. Hilton. 2,385,273; Sept. 18.
 Shaping machine. R. B. Mentzer. 2,385,015; Sept. 18.
 Sharpening or like device, Scissors. D. L. Iafrate. 2,384,922; Sept. 18.
 Shaving brush holder. M. K. Katz. 2,385,003; Sept. 18.
 Sheets, Pressure sensitive adhesive. W. Eustis and G. R. Orrill. 2,385,319; Sept. 18.
 Shockproof switch. W. H. Schymik. 2,385,304; Sept. 18.
 Shoe. A. Levin. 2,385,289; Sept. 18.
 Shoe construction. C. A. Julianelli. 2,384,927; Sept. 18.
 Shoemaking. R. M. Bichere. 2,385,307; Sept. 18.
 Shoulder pad. A. A. Vanasse. 2,385,315; Sept. 18.
 Shuttle. J. G. Allen and A. Villani. 2,385,048; Sept. 18.
 Shuttle feeder tip. E. P. Sheets and A. J. Chagnon. 2,385,034; Sept. 18.
 Signal: See—
 Vehicle direction indicating signal.
 Signalling or advertising device. A. Zuckermann. 2,384,869; Sept. 18.
 Signalling system. C. E. Lomax. 2,384,938; Sept. 18.
 Ski press. W. F. Poor. 2,384,850; Sept. 18.
 Smoking pipe. W. G. Swift. 2,385,312; Sept. 18.
 Snubber. D. M. Light. 2,385,009; Sept. 18.
 Socket, Adjustable caster. C. R. Nalle. 2,385,154; Sept. 18.
 Sorting machine. H. H. Snyder. 2,385,038; Sept. 18.
 Spectacles. A. F. Williams. 2,384,867; Sept. 18.
 Speed computer. J. R. Nieman. 2,385,100; Sept. 18.
 Speed control, Automatic pump. R. R. Curtis. 2,384,894; Sept. 18.

Speedometer, Electric. H. M. Norman. 2,385,101; Sept. 18.
 Speed responsive device. J. W. Livingston. 2,385,213; Sept. 18.
 Spray booth. G. A. Harker, E. G. Gustafsson, G. Allen, and R. Nelson. 2,385,077; Sept. 18.
 Spray cleaner. A. E. Miller. 2,385,150; Sept. 18.
 Steering gear for ships. R. Lowy. 2,385,090; Sept. 18.
 Steering mechanism for mechanically propelled vehicles, Reversible. J. D. Coldwell. 2,384,890; Sept. 18.
 Stemware, Machine for making. J. P. Schellhaus, Jr. 2,385,302; Sept. 18.
 Stock inlet. F. A. Helin. 2,384,912; Sept. 18.
 Stoker. H. E. Preston. 2,385,027; Sept. 18.
 Stretching device, Boot and shoe. C. Gregory. 2,385,270; Sept. 18.
 Structural member. E. D. Pieri and J. E. Bowen. 2,384,849; Sept. 18.
 Styrene and ethylbenzene, Manufacture of. C. Weizmann. 2,384,984; Sept. 18.
 Styrene distillation. R. E. Schneider. 2,385,235; Sept. 18.
 Substation circuit. J. W. Foley and J. W. Emling. 2,385,265; Sept. 18.
 Sulphanilylaminohydantoin. G. W. Raiziss, Le R. W. Clemence, and M. Freifelder. 2,384,964; Sept. 18.
 Sulpha-thiazoles. G. Newbery. 2,385,224; Sept. 18.
 Sulphonates, Furfyl. J. T. Thurston. 2,385,314; Sept. 18.
 Sulphur, Producing. M. C. K. Jones. 2,384,926; Sept. 18.
 Support: See—
 Cementitious anchorable hanger support.
 Surface marking device. R. B. Mentzer. 2,385,014; Sept. 18.
 Surgical cast or splint material, method of application, and product thereof. R. Anderson. 2,384,804; Sept. 18.
 Suspension, Preparing a coating. E. A. Thurber and L. A. Wooten. 2,385,313; Sept. 18.
 Switch: See—
 Electrical switch. Shockproof switch.
 Switch mechanism, Double-throw. L. Pierce. 2,385,026; Sept. 18.
 Switch or telephone contact, Telephone. G. H. McLoughlin. 2,384,948; Sept. 18.
 Synchronizing generator. R. E. Kessler. 2,384,931; Sept. 18.
 System of electric distribution. A. E. Anderson. 2,385,181; Sept. 18.
 Table: See—
 Inspection table.
 Tank structures, Septic. I. Gutman and G. E. Evans. 2,384,994; Sept. 18.
 Teaching device. A. J. Marsh. 2,385,093; Sept. 18.
 Telephone system. J. E. Ostline. 2,385,228; Sept. 18.
 Telephone system, Distant talking loudspeaker. H. F. Hopkins. 2,385,279; Sept. 18.
 Telescope sight mount. H. S. White. 2,385,176; Sept. 18.
 Temperature control of contacting reactions. C. H. Thayer and R. C. Lassiat. 2,384,858; Sept. 18.
 Tenoning mechanism. F. Hobbs. 2,385,205; Sept. 18.
 Test method and system for variable gain amplifiers. J. W. Bayless. 2,385,186; Sept. 18.
 Textile fabrics, Treatment of. C. P. Atkinson. 2,384,871; Sept. 18.
 Textile materials, Treatment of. G. W. Seymour and D. Y. Miller. 2,385,110; Sept. 18.
 Therapeutic-anesthetic preparations. D. Curtis. 2,385,262; Sept. 18.
 Thermal element. R. E. Newell. 2,385,155; Sept. 18.
 Thermoplastic products derived from rubbers. T. W. Bartram. 2,384,876; Sept. 18.
 Thermoresponsive measuring instrument. H. P. Vassar. 2,385,044; Sept. 18.
 Thread guide. K. M. McLellan. 2,385,097; Sept. 18.
 Tongs, Lifting. R. H. Bates. 2,385,049; Sept. 18.
 Tool: See—
 Gripping or cutting tool. Machine tool.
 Tool for applying tube sealing devices. A. H. Breslove. 2,385,055; Sept. 18.
 Tool for extrusion presses, Discard shearing. H. Lorant. 2,385,144; Sept. 18.
 Tooth, Bulldozer. J. C. Murphy. 2,384,957; Sept. 18.
 Torch, Multifilament heating. H. G. Hughey. 2,384,920; Sept. 18.
 Toxicants, Insecticidal. G. H. Coleman, W. D. Schroeder, and G. A. Griess. 2,384,812; Sept. 18.
 Toy, Educational. V. G. Eisel. 2,385,197; Sept. 18.
 Track and assorter, Bolt. N. V. Kuehlman. 2,385,141; Sept. 18.
 Trailway construction, Haulaway. C. C. Stuart. 2,385,115; Sept. 18.
 Training device. E. A. Link. 2,385,291; Sept. 18.
 Translating apparatus, Electric valve. O. W. Livingston. 2,384,937; Sept. 18.

Trap: See—
 Insect trap.
 Tree, Boot and shoe holding. C. G. Hilton. 2,385,272; Sept. 18.
 Tree scraper. J. E. Strickland. 2,384,976; Sept. 18.
 Trick walking cane. B. V. Lukowitz. 2,385,091; Sept. 18.
 Tripod head. J. Bolsey. 2,384,790; Sept. 18.
 Trolley conductor insulator. R. P. Hanna, W. B. Atkinson, and L. F. Brahmer. 2,384,995; Sept. 18.
 Truck, Pick-up. B. A. Diesel. 2,385,196; Sept. 18.
 Truck, Railway vehicle. F. L. Aiben and B. F. Langer. 2,384,785; Sept. 18.
 Truss and the like, Timber. E. S. Lank. 2,385,142; Sept. 18.
 Truss bracket. F. W. Schwinn. 2,384,968; Sept. 18.
 Tube cleaner motor. V. H. Baker and P. T. Keebler. 2,384,872; Sept. 18.
 Tube cleaning apparatus for boilers and the like. C. F. Lumb and F. G. W. Spears. 2,384,940; Sept. 18.
 Tube mandrels, Forming flowmeter. C. E. Cox. 2,384,800; Sept. 18.
 Tubular articles, Method of and apparatus for forming. E. L. Perry. 2,385,230; Sept. 18.
 Tuning device for radio circuits. E. Garthwaite. 2,385,131; Sept. 18.
 Tunneling method. F. P. Ayers. 2,385,251; Sept. 18.
 2-nitro-3-methoxy-phenol and making same. C. B. Jaeger, Jr. 2,385,282; Sept. 18.
 Typewriting machine. J. F. Smathers. 2,385,035-6; Sept. 18.
 Uncoupling mechanism. M. P. Blomberg. 2,384,808; Sept. 18.
 Undergarment. E. Berdach. 2,384,806; Sept. 18.
 Valve: See—
 Locking valve.
 Flux valve.
 Valve apparatus, Automatic blow-off. R. E. Miller. 2,385,151; Sept. 18.
 Valve construction. B. P. Baker and R. C. Cunningham. 2,384,787; Sept. 18.
 Valve mechanism. C. V. Swearingen. 2,384,977; Sept. 18.
 Variable load brake. C. C. Farmer. 2,385,130; Sept. 18.
 Variable load brake. C. S. Kelley. 2,385,139; Sept. 18.
 Vat dyes from bis (9:9'-anthronylidene)-ethane, Manufacture of. J. W. Batty and D. A. Whyte. 2,385,185; Sept. 18.
 Vehicle: See—
 Laundry vehicle.
 Vehicle body construction. F. M. Reid. 2,384,965; Sept. 18.
 Vehicle direction indicating signal. F. B. Stober. 2,385,310; Sept. 18.
 Vehicle suspension. R. N. Janeway. 2,384,925; Sept. 18.
 Vehicle with load regulated tow bar, Trailer. J. J. Black. 2,385,253; Sept. 18.
 Vehicles, Loading and unloading. F. C. Pethick. 2,385,025; Sept. 18.
 Velocity-compensated control mechanism. C. R. Hanna. 2,385,204; Sept. 18.
 Vestibule structure for railway cars, Diaphragm. W. M. Keller. 2,385,138; Sept. 18.
 Voltage changing circuit. W. W. Garstang. 2,384,829; Sept. 18.
 Voltage modifying circuit. W. W. Garstang. 2,384,830; Sept. 18.
 Voltage multiplier. W. W. Garstang. 2,384,831; Sept. 18.
 Wall construction, Heat-resisting. H. C. Thayer. 2,384,859; Sept. 18.
 Watchcase. W. Schmitz. 2,385,234; Sept. 18.
 Weed puller. D. M. Smith. 2,385,167; Sept. 18.
 Welded article, Finishing. G. H. Phelps and G. J. Frischmann. 2,385,160; Sept. 18.
 Welding apparatus. C. S. Seltzer and S. M. Humphrey. 2,385,109; Sept. 18.
 Welding electrode holder. M. M. Seeloff. 2,385,108; Sept. 18.
 Welding machine, Resistance. E. J. P. James. 2,384,923-4; Sept. 18.
 Well flow device. R. O. Walton. 2,385,316; Sept. 18.
 Well logging method and apparatus, Radioactive. S. Krasnow and L. F. Curtis. 2,384,840; Sept. 18.
 Wheels, Safety. A. P. MacDicken. 2,385,215; Sept. 18.
 Window, Casement storm. H. A. Kaufmann. 2,384,929; Sept. 18.
 Window construction. B. H. Marcus. 2,385,148; Sept. 18.
 Windshield wiper motor. E. Koppelman. 2,385,084; Sept. 18.
 Wood pulp, Purification of. W. R. Collings, R. D. Freeman, M. J. Roberts, and W. O. Hisey. 2,385,259; Sept. 18.
 Wringer, Mop. F. M. and L. B. Fritsch. 2,384,907; Sept. 18.
 Yarn twister. A. E. Winalow. 2,385,046; Sept. 18.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 18, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

2—	2: 2,385,315	44—	56: 2,384,866	59—	31: 2,385,051	136—	178: 2,385,029	187—	95: 2,385,276	226—	88.1: 2,385,004		
	8: 2,384,798		57: 2,385,158		35: 2,384,827	137—	139: 2,384,787	188—	152: 2,385,168	227—	41: 2,385,305		
	43: 2,384,806	45—	7: 2,384,842		37.5: 2,385,024		140: 2,385,201		195: 2,385,130	228—	53: 2,385,171		
	237: 2,385,178	48—	53.3: 2,385,087		2,385,218	138—	30: 2,385,016	189—	37: 2,384,929	229—	63: 2,385,235		
	254: 2,385,163	49—	1: 2,385,302	90—	5: 2,385,220	139—	223: 2,385,048		64: 2,384,929	230—	258: 2,385,152		
	275: 2,385,124		79: 2,385,071		17: 2,385,014		231: 2,385,034	191—	39: 2,384,905	231—	61.5: 2,385,007		
5—	82: 2,385,067		81: 2,384,833		24: 2,385,247		247: 2,385,242	192—	12: 2,384,903	232—	132: 2,384,901		
8—	127.5: 2,384,837	51—	45: 2,385,129		24.3: 2,385,030		336: 2,384,909	193—	35: 2,384,969	233—	10: 2,385,096		
9—	6: 2,384,966		46: 2,385,015		33: 2,385,119	143—	52: 2,385,205	194—	30: 2,385,263	234—	45: 2,385,192		
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	128.6: 2,385,270		273: 2,384,991		66: 2,385,230		154—	53.6: 2,385,082		101: 2,384,914		157: 2,385,097	
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15—	21: 2,385,039	52—	7: 2,385,135		5.4: 2,384,857		158—	27.4: 2,384,920		244—	42: Re.22,674		
104.045: 2,384,940		56—	66: 2,385,193	95—	6: 2,384,897			2,384,921			44: 2,384,933		
262: 2,384,907		57—	23: 2,384,902		18: 2,385,183			2,384,967			73: 2,384,893		
3: 2,385,294			66: 2,385,046		77: 2,384,911			2,385,107	197—	84: 2,385,035		83: 2,385,184	
19: 2,385,154			145: 2,385,241	99—	4: 2,385,117			2,385,137		30: 2,384,828	246—	161: 2,385,179	
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197: 2,384,960			107: 2,385,252		171: 2,385,146			2,385,153	200—	67: 2,385,165		304: 2,385,206	
19: 2,385,147			117: 2,385,011		174: 2,385,257			2,384,852		68: 2,384,985	249—	59: 2,385,233	
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47.5: 2,385,318		60—	53: 2,384,962		338: 2,384,863			2,384,896		116: 2,385,008		2,385,212	
56: 2,385,083			54: 2,384,841	101—	47: 2,384,807			2,385,208		165: 2,384,988		36: 2,384,931	
156: 2,385,297			2,385,263		135: 2,384,843			2,384,812		169: 2,385,304		40: 2,385,131	
20—	0.5: 2,385,142	61—	44: 2,385,251		102: 2,385,102			2,385,224	201—	48: 2,384,894		251—	137: 2,384,977
63: 2,385,148			76: 2,384,989		102: 2,385,105			2,385,262		51: 2,384,786		83.6: 2,384,840	
61: 2,385,206		62—	8: 2,385,243		233: 2,385,316			2,385,028		51: 2,384,835		140: 2,385,075	
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48: 2,384,993			2,384,887			166: 2,385,127		2,384,890		24: 2,385,221			
113: 2,384,930			2,384,884					2,384,890		24: 2,385,221			
53: 2,384,796			2,384,884					2,384,890		24: 2,385,221			

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Patents Nos. 2,385,324 to 2,385,767

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Notice of Cancellation

U. S. PATENT OFFICE, Richmond, Va., Aug. 22, 1945.
CeCo Manufacturing Company, Inc., its assigns or legal representatives; take notice:

A petition for cancellation having been filed in this Office by Argus, Incorporated, 405 Fourth St., Ann Arbor, Mich., to effect the cancellation of trade-mark registration of CeCo Manufacturing Company, Inc., 1200 Eddy St., Providence, R. I., No. 286,146, issued August 18, 1931, and the notice of such proceeding sent by registered mail to the said CeCo Manufacturing Company, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said CeCo Manufacturing Company, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

General Rescinding Order

Subject to the exception hereinafter noted, all Orders of Secrecy heretofore issued by the Commissioner of Patents pursuant to the Act of October 6, 1917 (40 Stat. 594; U. S. C., title 35, sec. 42), as amended, are hereby rescinded.

The Commissioner of Patents may except any application from this order by written notice sent to the principals at their addresses of record on or before the effective date hereof.

This order shall take effect on November 30, 1945.

CASPER W. OOMS,
Commissioner.

August 30, 1945.

Return of Renewal Papers and Fees

When application is made for the renewal of a trade-mark registration that has expired or has been canceled, or one that was issued under the Act of March 19, 1920, the application papers and the renewal fee will be returned to the applicant without entry. The same practice will be followed where application for renewal is filed more than six months prior to the expiration of the original or previously renewed certificate of registration.

Notice of Opposition

U. S. PATENT OFFICE, Richmond, Va., Sept. 4, 1945.
James A. S. Furlonge, his assigns or legal representatives, take notice:

An opposition proceeding has been instituted by this Office upon the petition of San-Nap-Pak Co., Inc., 1440 Broadway, New York, N. Y., against the application for registration of a trade-mark to James A. S. Furlonge, 712 S. Olive St., Los Angeles 14, Calif. The Office has been notified of the death of said Furlonge. An opportunity was afforded the legal representative of the deceased to intervene. No response having been made thereto, notice is hereby given that unless said Furlonge, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the opposition will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.
445

Condition of Applications Under Examination at Close of Business September 7, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 69,459; Trade-Mark Division, 2,747. Oldest new case, September 1, 1944; oldest amended, September 8, 1944.)
(The dates given are 1944 except where † indicates 1945.)

DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS

	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spitoons; Sewerage.	Nov. 29	Dec. 8	1074
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Oct. 10	Oct. 13	1282
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part).	Nov. 24	Dec. 4	1318
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Dec. 21	Jan. 22	1026
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Sept. 18	Sept. 8	1751
6. GENIESSE, E. W., Carbon Chemistry (part).	Dec. 11	Jan. 5	1220
7. JARBOE, C. G., Optics, Photography.	Mar. 19	Mar. 16	989
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets.	Mar. 1	Feb. 6	1053
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors.	Oct. 30	Oct. 25	1197
10. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Apr. 20	Apr. 10	351
11. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control.	Oct. 21	Oct. 12	1395
12. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	Nov. 17	Nov. 7	1038
13. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery.	Mar. 3	Feb. 23	823
14. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Mar. 22	Jan. 20	911
15. SPENCER, C. J., Telegraphy; Telephony.	Feb. 7	Feb. 7	821
16. HABECKER, LEON E., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Nov. 2	Nov. 8	673
17. KURZ, J. A., Motors, Expandable-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Dec. 13	Oct. 21	1153
18. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Nov. 9	Nov. 23	724
19. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Feb. 7	Feb. 8	785
20. THOMPSON, T. J., Textiles.	Feb. 17	Feb. 14	491
21. CARPENTER, B. H., Aeronautics; Firearms; Ordnance.	Jan. 15	Jan. 18	1356
22. LEWIS, J. B., Cash Registers; Calculators (part).	Jan. 20	Dec. 7	147
23. TUBBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines.	Feb. 20	Feb. 20	853
24. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Dec. 9	Jan. 1	1026
25. YOUNG, R. R., Electricity—Generation and Motive Power.	Nov. 6	Nov. 10	1193
26. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Oct. 11	Oct. 27	1124
27. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	Oct. 5	Oct. 11	1017
28. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Bagworking; Tools.	Nov. 20	Nov. 17	1181
29. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Jan. 5	Jan. 4	1254
30. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils.	Apr. 20	Apr. 13	841
31. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Feb. 16	Mar. 8	927
32. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthware Apparatus.	Jan. 19	Jan. 16	1106
33. SAFERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Dec. 11	Dec. 15	637
34. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Dec. 1	Dec. 1	1013
35. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring.	Jan. 5	Jan. 3	777
36. WEAVER, M. E., Electricity, Circuit Makers and Breakers.	Oct. 2	Oct. 12	1159
37. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation.	Dec. 8	Nov. 18	892
38. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution.	Nov. 23	Dec. 1	1229
39. DRUMMOND, E. J., Receptacles (part); Packages.	Jan. 2	Dec. 30	1430
40. HERTZ, M., Coin Handling; Records; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Dec. 4	Dec. 9	540
41. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters.	Feb. 17	Jan. 29	650
42. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Dec. 22	Jan. 1	806
43. HARVEY, L. P., Refrigeration; Preserving.	Sept. 29	Oct. 5	702
44. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Dec. 18	Dec. 22	1323
45. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Nov. 20	Nov. 23	770
46. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part).	Feb. 19	Feb. 19	1209
47. ROEFKE, O. B., Electricity, General Applications; Electric Igniters.	Dec. 5	Dec. 2	1251
48. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Feb. 16	Feb. 16	692
49. LEVIN, SAMUEL, Synthetic Resins.	Jan. 31	Feb. 2	1473
50. CROCKER, A. W., Radiant Energy; Modulators.	Dec. 23	Dec. 11	1886
51. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Oct. 23	Nov. 17	1619
52. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Sept. 1	Sept. 29	1284
53. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Sept. 20	Sept. 20	1383
54. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part).	Feb. 5	Jan. 16	933
55. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making.	Nov. 3	Nov. 1	1025
56. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Nov. 3	Oct. 28	1142
57. DOWELL, E. P., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	Feb. 23	Mar. 10	713
58. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part).	Oct. 16	Oct. 19	1399
59. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Nov. 30	Nov. 30	1148
60. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Nov. 20	Dec. 21	1142
61. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors.	Oct. 24	Oct. 11	1906
62. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Oct. 27	Nov. 25	1509
63. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel.	May 2	May 3	750
64. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony; Repeaters and Relays (e. g., Amplifiers).	Oct. 11	Oct. 13	1357
TRADE-MARKS: RICHMOND, F. A.	June 1	June 26	2747
DESIGNS: KALUPY, H. H.	June 1	July 14	1551

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE SMITH

No. 4,979. Decided March 12, 1945

[148 F.(2d) 351; 65 USPQ 167]

1. PATENTABILITY—INSECTICIDE.

"Agreeable to the Patent Office findings, it is at once apparent that substantially pure gamma, gamma-dipyrldyl is not a new substance discovered by applicant, and that he was not the first to use it for the purpose of determining its value in combating insect infestation on vegetation. As was properly said by the Board, the most that appellant has done was to discover that under certain conditions, not specified in the appealed claim, the material would be effective. It seems too clear to invite extended discussion that under such circumstances the appellant is not entitled to a patent claim for an insecticide which contains as its essential active ingredient, substantially pure gamma, gamma-dipyrldyl."

2. CLAIM—RECITATION OF ADVANCE IN THE ART.

Where a cited publication referred to experiments as demonstrating that purified gamma, gamma-dipyrldyl was only slightly toxic, if at all; and appellant's contribution to the art, if any, rested in discovering the particular conditions under which such substance could be used successfully as an insecticide, *Held* that these conditions should have been recited in appellant's claims and not alone in his specification, since "the claims of a patent should be the measure of the patent monopoly granted thereunder," citing *In re Colin*, 29 C. C. P. A. (Patents) 757, 124 F.(2d) 219, 52 USPQ 89, 538 O. G. 5.

APPEAL from the Patent Office. Affirmed.

GARRETT, P. J., dissenting.

Mr. Albert J. Kramer for Smith.

Mr. W. W. Cochran (Mr. E. L. Reynolds of counsel) for the Commissioner of Patents.

BLAND, J.:

This appeal involves a single claim numbered 7, the only claim in appellant's application. It reads:

7. An insecticide containing as its essential active ingredient substantially pure gamma, gamma-dipyrldyl.

As indicated by the claim, the substance is for use in combating insect infestation on vegetation, and it appears that it may be applied in either liquid or dust form.

The applicant appears to be a scientist employed by the United States Department of Agriculture, and the application, filed March 31, 1941, was made under the provisions of law governing patent applications by Government employees.

The Examiner rejected the claim as being unpatentable over the disclosure of a publication, issued by the Department of Agriculture in October 1926, entitled "Toxicity of Dipyrldyls and Certain Other Organic Compounds as Contact Insecticides." The Board of Appeals affirmed the decision of the Examiner and the instant appeal to this court followed.

The publication cited appears to have been prepared by Charles H. Richardson and C. R. Smith, scientists in the employ of the department, and it is hereinafter referred to as the Richardson et al.

article. It is identified in the statement of the Examiner as appearing in the "Journal of Agriculture Research, Vol. 33, pages 597-609 (1926)."

Neither the Examiner nor the Board quoted the text of that part of the Richardson et al. article which was regarded as anticipatory. In his statement following the appeal to the Board the Examiner said:

The claim is rejected as directly met by the Richardson et al. publication. Richardson et al. teach the use of dipyrldyls generally and give specific attention to gamma, gamma-dipyrldyl. Applicant urges that this is not a reference as Richardson et al. show that the gamma, gamma-dipyrldyl is not as effective as the others, and will, in fact, dilute the toxic effect of the other dipyrldyls. This teaches that the concept of using gamma, gamma-dipyrldyl as an insecticide is old. It does not necessarily, as applicant urges, show that gamma, gamma-dipyrldyl is not useful as an insecticide. It simply shows that gamma, gamma-dipyrldyl is not as toxic to the insects tested as the other dipyrldyls. In regard to applicant's arguments that he has produced an invention by reversing the teaching of the prior art, attention is directed to *In re Colin*, 538 O. G. 5.

In the course of its decision the Board said:

The subject matter in issue is an insecticide consisting mainly of gamma, gamma-dipyrldyl. The appealed claim stands finally rejected on the publication cited above. There are six dipyrldyls which are fully discussed in the article cited. The authors of this article made a general survey with regard to the use of these isomers as possible insecticides. Judging from the statements made at the bottom of page 599 and at the top of page 609 the gamma, gamma-dipyrldyl was not considered as effective an insecticide as the others mentioned.

It is difficult to see wherein there could be any invention involved in the subsequent discovery that the gamma, gamma-dipyrldyl was effective as an insecticide. The reference shows that the substance per se was old and well known and its use as an insecticide was clearly contemplated by the authors of the article. At best all that appellant has done was to discover that under certain conditions would be effective.

In addition to the case of *In re Colin*, 29 C. C. P. A. (Patents) 757, 124 F.(2d) 219, 52 USPQ 89, 538 O. G. 5, cited by the Examiner, the Board also directs attention to the case of *In re Thuau*, 30 C. C. P. A. (Patents) 979, 135 F.(2d) 344, 57 USPQ 324, 554 O. G. 14, which was decided by us subsequent to the decision of the Examiner in the instant case, but prior to the decision of the Board.

As stated in the Board's decision, six dipyrldyls were discussed in the Richardson et al. article, one of them being the gamma, gamma-dipyrldyls.

We have examined the article with much care in the effort to ascertain just what the experiments therein described disclose with respect to gamma, gamma-dipyrldyl, and we here quote the statements deemed to be pertinent in this case. In the introduction it is said:

* * * A previous publication discussed the toxicity of some pyridine derivatives (3) and referred briefly to the compounds which form the subject of the present investigation. It was found in these experiments that impure gamma, gamma-dipyrldyl was much more toxic than the purified substance, and it was later shown that these impurities consisted principally of isomeric dipyrldyls. It is the purpose of this paper to report on the toxic value of these dipyrldyls as contact insecticides. * * *

At a later point it is stated:

Oxidation of sodium dipyrldyl with moist air results in the formation of gamma, gamma-dipyrldyl, the sodium atom and two hydrogen atoms being removed. Careful regulation of the temperature during the preliminary sodium-pyridine digestion, followed by oxidation (with dry

air or oxygen) of the sodium dipyrindines thus formed, leads to the production of an oil which contains chiefly alpha, alpha, beta, beta, gamma, and gamma, gamma-dipyrindyls. This crude dipyrindyl oil, from which most of the gamma, gamma-dipyrindyl was removed, was used in the experiments described below.

Under the heading "Preliminary experiments on the Toxicity of Crude Dipyrindyl Oil," appears the following:

Studies on the toxicity of the dipyrindyls as contact insecticides were begun in August, 1920. The first indication of toxic action appeared when a crude mixture, the result of an attempt to produce gamma, gamma-dipyrindyl, was found to be highly toxic to the bean aphid (*Aphis rumicis* L.) at a concentration of 1 per cent of the mixture. Experiments soon demonstrated that purified gamma, gamma-dipyrindyl was only slightly toxic, if at all, and that the mother liquor separated from it was even more poisonous to insects than the original mixture.

Under the heading "Methods of Application of Crude Dipyrindyl Oil," it is said:

After a large number of preliminary experiments, a crude dipyrindyl oil known to contain a variable mixture of alpha, alpha, beta, beta, and beta, gamma-dipyrindyls was prepared for the toxicity experiments.

Under the heading "Summary" the following statement appears:

Alpha, alpha, beta, beta, gamma, and gamma, gamma-dipyrindyls, which occur in the crude dipyrindyl oil used in these tests, were not so toxic to *Aphis rumicis* as the crude oil itself; gamma, gamma-dipyrindyl is much less toxic than the other three compounds.

It will be noted that in the said publication which formed the basis of the Patent Office rejection of the claim, it is stated that experiments soon demonstrated that purified gamma, gamma-dipyrindyl was only slightly toxic, if at all, and that the mother liquor separated from it was even more poisonous to insects than the original mixture. The publication does not disclose the details, such as the percentage of water and that of pure gamma, gamma-dipyrindyl, or the length of time given for it to take effect, or many other possible details which properly could have been set out by the said Department of Agriculture experimenters.

[1] Agreeable to the Patent Office findings, it is at once apparent that substantially pure gamma, gamma-dipyrindyl is not a new substance discovered by applicant, and that he was not the first to use it for the purpose of determining its value in combating insect infestation on vegetation. As was properly said by the Board, the most that appellant has done was to discover that under certain conditions, not specified in the appealed claim, the material would be effective. It seems too clear to invite extended discussion that under such circumstances the appellant is not entitled to a patent claim for an insecticide which contains as its essential active ingredient, substantially pure gamma, gamma-dipyrindyl.

[2] Appellant sets out in some detail in his specification the conditions under which he used the substantially pure gamma, gamma-dipyrindyl in determining its value as an insecticide. For instance, in one experiment he used 2 pounds to 50 gallons of water and obtained a mortality of 25.5 per cent to codling moth larvae. He stated that this was not so good a result as when lead arsenate was used in the same concentration. He discloses, however, that in another experiment he used 8 pounds of ma-

terial to 100 gallons of water as a spray and obtained 62 per cent mortality on 5th instar southern beet webworm after 6 days, and that when applied as a dust, he obtained a kill of 97 per cent in 48 hours. He also tested the material as a spray against the 5th instar melon worm and obtained 96 per cent kill in 4 days at a concentration of 8 pounds to 100 gallons of water. When applied as a dust, he obtained 96 per cent kill in 72 hours. Other experiments showed that when the material was tested in different concentrations and under different conditions, he obtained splendid results on newly hatched screwworm, Hawaiian beet webworm, and European corn borer.

If appellant has made any invention, it rests in discovering the particular conditions under which substantially pure gamma, gamma-dipyrindyl can be used successfully as an insecticide. If he has contributed to the insecticide art, it has been in that respect only. And, if he is entitled to any patent protection for what he has done, the claim or claims of his application should have been drawn to cover that particular alleged advancement in the art.

We do not mean to suggest by the foregoing that had appellant submitted claims, the language of which covered the details of his experiments which brought about the desired result, such claims would be allowable in the instant application. The subject of criticalness would be present; also, the presence or lack of invention in doing what appellant has done would be a matter for serious consideration. But whether or not appellant would be allowed claims which embrace the details of his successful experiments would necessarily involve the question as to whether, in view of the suggestion in the reference, appellant did anything more than to take a substance which was old, and which had been suggested as having in its pure form at least some toxic effect on some insect pests, and from such suggestion make experiments under different conditions until he had discovered a manner of utilizing the material profitably as an insecticide, and whether what he did involved anything more than that which one skilled in the art would ordinarily do.

It is true that appellant, in the instant claim, has not asked for a monopoly on pure gamma, gamma-dipyrindyl for all purposes. He of course realizes that he is not the inventor of that material, and he has attempted to limit his proposed monopoly to the use of the material as an insecticide.

In view of our conclusion, we do not feel called upon here to enter into a discussion of the effect to be given to the introductory clause as calling for "An insecticide". We feel certain that under the circumstances above enumerated, appellant is not entitled to a monopoly on substantially pure gamma, gamma-dipyrindyl as an insecticide.

The tribunals below, we think, properly relied upon *In re Colin*, supra. In that case, the applicant sought a patent on a mineral oil composition in which was incorporated an alkoxy-substituted aryl amine. The amine was old, and its utility had

been tried in the same connection by others, who had reported their findings in an article in the publication *Industrial & Engineering Chemistry*. That was regarded by this court as a proper reference in denying the claims. The reference there taught that the use of the material was harmful rather than helpful, or at least that there were no beneficial results flowing from its use. In that case the applicant experimented and found that under certain conditions the material had utility. The reference article had suggested that a different result might be obtained under different conditions. This court held that the applicant was not entitled to a patent "on a composition or a process based upon its use merely because, by experimentation at certain temperatures and under certain conditions, he has found that the substance rejected by the prior art has utility, when the claims presented contain no definite percentage of inhibitors or any other limitations or elements which lend patentability." The court further said, "If appellant, by using p-anisidine in a certain critical percentage or at critical temperatures or under other critical conditions has discovered why Mead et al. [the authors of the reference article] had not found the material beneficial, his invention, if any, would rest in such discovery, and these critical conditions which brought about the useful results should be presented in the claims." [Italics not quoted.]

It seems to us that that case is squarely in point, and the mere fact that appellant, in his specification, recites the conditions under which the experiments were made does not change the situation, because, after all, the claims of a patent should be the measure of the patent monopoly granted thereunder.

The case of *In re Thuau*, supra—particularly certain language used therein—we think also supports the conclusion we have herein reached.

The decision of the Board of Appeals is affirmed. Affirmed.

GARRETT, P. J., (dissenting):

The rejection of the single claim here involved by the respective tribunals of the Patent Office was predicated solely upon the Richardson et al. article, from which the majority quotes all matter that seems in any wise pertinent here.

I have been unable to divest myself of the impression that the Richardson et al. article, fairly construed, teaches those skilled in the art (to say nothing of the unskilled), that substantially pure gamma, gamma-dipyrindyl has no practical value as an insecticide, even though it may have been found to possess some slight toxic qualities. I note particularly the statement in the third excerpt quoted from the article, reading:

Experiments soon demonstrated that purified gamma, gamma-dipyrindyl was only slightly toxic, if at all. [Italics mine.]

It may be conceded—indeed it is apparent—that purified gamma, gamma-dipyrindyl was tested in certain of the experiments recited in the reference, because it is clear from the above, and from other of the excerpts quoted in the majority opinion, that

it was compared with other substances respecting its toxic effect, but it is the teaching of the result obtained which I conceive to be of moment here.

Had the public accepted, without question, the teaching of the article, it seems certain that no "substantially pure gamma, gamma-dipyrindyl" ever would have been developed as an insecticide. Appellant here did not accept it, but investigated further and discovered its usefulness. The last of his experiments described in the majority opinion, in particular, indicates a very high toxic value in the insecticide field, which, it seems to me, is directly contrary to the teaching of the Richardson et al. article under a fair and normal construction of the quoted excerpts taken altogether.

I do not regard the decision in the case of *In re Colin*, 29 C. C. P. A. (Patents) 757, 124 F.(2d) 219, 52 USPQ 89, 538 O. G. 5, cited below and by the majority here as controlling in this case. In that case it was found by the Examiner that in the publication which constituted the reference in that case, the authors "cautioned the reader that under a different set of conditions a different result might be obtained." That, I thought, was an invitation—indeed a suggestion—to make further investigations relative to the practical utility of the product described in the publication. We have no such invitation or suggestion here. I do not regard the Thuau case, cited by the majority, as controlling, but there is no reason for discussing it in a dissenting opinion.

I must frankly say that I think it would have been well had appellant here couched his claim in somewhat different language, or included an additional claim more limited than the one presented, but there is no question in my mind that his specification discloses matter which supports the claim as written. Were it granted, it, of course, would be measured by the specification in any test of its validity.

Believing the claim to be properly allowable, I respectfully dissent.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,605,998, J. D. Strobell, System of lubrication; 1,708,625, 1,708,626, 1,811,090, A. V. Livingston, Refrigeration, D. C., S. D. N. Y., Dec. 10/18, *The Safety Car Heating & Lighting Co., Inc. v. General Electric Co., et al.* Judgment dismissing complaint (notice Aug. 7, 1945).

1,700,246, A. Woelm, Step-by-step lead pencil; 1,762,318, 1,866,072, 1,928,042, same, Magazine lead pencil; 1,865,992, same, Mechanical lead pencil; 1,700,255, E. D. Feldman, same; 1,700,256, same, Magazine lead pencil; 1,803,794, H. Deutsch, Mechanical pencil, D. C., S. D. N. Y., Dec. 4/245, *Penmac Corp. v. Falcon Pencil Corp.* Judgment dismissing complaint without prejudice Aug. 21, 1945.

1,700,255. (See 1,700,246.) 1,700,256. (See 1,700,246.) 1,708,625. (See 1,605,998.) 1,708,626. (See 1,605,998.) 1,762,318. (See 1,700,246.) 1,803,794. (See 1,700,246.) 1,811,090. (See 1,605,998.) 1,865,992. (See 1,700,246.) 1,866,072. (See 1,700,246.)

1,875,077, A. R. Maulsby, Method of applying backing fabrics to linings, D. C., S. D. Calif., C. Div., Doc. 3964-BH. *A. R. Maulsby v. Golden State Casket Co.* Claims 1-5 held invalid for lack of invention, suit dismissed July 25, 1945.

1,928,042. (See 1,700,246.)

1,954,558, E. W. Conrad, Lifting jack, filed Aug. 13, 1945, D. C., S. D. Tex. (Houston), Doc. 1879, *The Dalton Foundries, Inc. v. R. C. Flynn*. Doc. 1880, *The Dalton Foundries, Inc. v. Houston Light Steel Mfg. Co.*

1,971,793, W. J. O'Leary, Electrical apparatus, C. C. A., 6th Cir., Doc. 9875, *L. B. O'Leary, et al. v. The Liggett Drug Co.* Doc. 9876, *L. B. O'Leary, et al. v. Sears, Roebuck & Co.* Doc. 9903, *L. B. O'Leary, et al. v. The Johnston-Shelton Co.* Claims 3, 6 and 7 held invalid; decrees in all three cases affirmed July 23, 1945.

2,063,733, C. B. Greenberg, Spring bar, D. C., S. D. N. Y., Doc. 31/79, *C. B. Greenberg v. Bulova Watch Co., Inc.* Dismissed Aug. 10, 1945.

2,090,874, H. C. Myers, Trailer, D. C. Oreg. (Portland), Doc. 2335, *H. C. Myers v. Page & Page Co.* Decree for plaintiff holding patent valid July 18, 1945.

2,118,737, C. W. Renstrom, Hair curler, C. C. A., 8th Cir., Doc. 13,036, *N. L. Solomon v. C. W. Renstrom*. Judgment of lower court affirmed Aug. 6, 1945.

2,221,404, S. Musher, Treatment of glyceride oils, D. C., S. D. N. Y., Doc. 15/395, *Musher Foundation, Inc. v. Alba Trading Co., Inc.* "Order on Mandate reversing judgment of dismissal entered May 12, 1944" (notice Aug. 21, 1945). Same, C. C. A., 2d Cir., Doc. —, *Musher Foundation, Inc. v. Alba Trading Co., Inc.* "Reversed" (notice July 18, 1945).

2,241,229, C. A. Williams, Culinary utensil and method of making same, D. C., N. D. Ill., W. Div., Doc. 82, *T. Friedman v. The Washburn Co., et al.* Judgment in favor of defendant June 27, 1945.

2,313,598, H. Stock, Furrier's knife, filed Aug. 22, 1945, D. C., S. D. N. Y., Doc. 32/554, *H. Stock v. A. Westfal*. 2,367,585, K. Z. Huszar, Rodmill, suit for Declaratory Judgment filed July 20, 1945, D. C., S. D. Ohio, W. Div., Doc. 1251, *Cincinnati Chemical Works, Inc. v. K. Z. Huszar*.

Des. 137,471, F. Adams, Hat, filed Aug. 13, 1945, D. C., S. D. N. Y., Doc. 32/480, *Lady Hatgrip, Inc. v. Kartiganer & Co.* Doc. 32/481, *Lady Hatgrip, Inc. v. Lilly Hat Co.*

Des. 139,531, Stile & Eisenberg, Shoe, filed Aug. 1, 1945, D. C., E. D. N. Y., Doc. 5822, *Remsen Mfg. Corp., et al. v. Winter Fur Novelty Co.*

Des. 140,975, I. M. Glisch, et al. Pocket lighter, filed July 24, 1945, D. C., E. D. Wis. (Milwaukee), Doc. 2572, *Crown Lighter Corp. v. E. Schuster & Co., Inc.*

T. M. 35,089, General Electric Co., Electric machinery, D. C., N. D. Ill., E. Div., Doc. 456714, *General Electric Co. v. A. E. Bonner*. Judgment by default granting injunction June 29, 1945.

T. M. 344,122, The Barbarsol Co., Paste-like preparation for shaving, D. C., N. D. Ill., E. Div., Doc. 446537, *The Barbarsol Co. v. Baton Laboratories*. Trade-mark held not infringed; complaint dismissed July 16, 1945.

T. M. 367,976, Associated Biscuit Co., Crackers, wafers, etc., D. C., N. D. Ill., E. Div., Doc. 45610, *George Weston, Ltd. v. H. H. Heyman, et al.* By stipulation complaint withdrawn July 17, 1945.

Register of Patents Available for Licensing or Sale

Pat. 1,825,613. PONTON HOUSE BOAT. Patented Sept. 29, 1931. Reinforced framework including two or more spaced pontoons and attaching means whereby conventional house structure may be attached a sufficient distance above water level so that it will be free from dampness and stench from bilge water. Pontoons have water tight compartments and extend beyond length of house. Craft must be towed. (Owner) Louis N. Bell, 409 Cedar St., Sault Ste. Marie, Mich. Group 37—32. Reg. No. 341.

Pat. 2,369,129. PONTON MOTORBOAT. Patented Feb. 13, 1945. This is an improvement over above patent, No. 1,825,613, whereby that structure is streamlined and adapted to meet requirements of modern motor boat design. A plurality of fins on pontoons plane and increase stabilization of craft. (Owners) Helen E. Harris, Ronald R. Harris, and Louis N. Bell. Address correspondence to Helen E. Harris, 409 Cedar St., Sault Ste. Marie, Mich. Group 37—32. Reg. No. 342.

Pat. 2,359,964. SALVAGING APPARATUS. Patented Oct. 10, 1944. Multi-chamber elongated pontoon remotely controlled and operated. May be propelled, steered and adhere, by means of a magnet, to sunken metal objects. Drill may be placed near magnet. Flood lights and television permit inspection so adjustments can be made. Functions generally without diver. Several such pontoons may be employed. (Owner) John B. Barnett, Clifton Terrace, West, Apt. 413, Washington, D. C. Groups 36—61—62; 37—31. Reg. No. 343.

Pat. 1,893,676. TELEVISION SCANNING DISK. Patented Jan. 10, 1933. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) All moving optical parts of the constant speed rotation disk have optical flat faces. Only stationary objectives have curved surfaces which require extensive corrections. The disk can be used for either transmission or reception. (Owner) Harry B. Maris, 4711 Riverdale Road, Riverdale, Md. Group 36—61—62—92. Reg. No. 344.

Pat. 1,931,552. ILLUMINATED TELESCOPE SIGHT. Patented Oct. 24, 1933. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A quartz fiber, stiff enough to be self-supporting, carries an illuminated point, small enough to be hidden by the finest etched line which can be placed at any point in a viewing field. It can be developed for gun sights, astronomical, or microscopic use. (Owner) Harry B. Maris, 4711 Riverdale Road, Riverdale, Md. Groups 33—X1—X4; 39—11—13. Reg. No. 345.

Pat. 1,978,434. OPTICAL APPARATUS FOR MEASURING THE THICKNESS OF PIEZO ELECTRIC CRYSTALS. Patented Oct. 30, 1934. (Granted under the act of March 3, 1883; as amended April 30, 1928; 370 O. G. 757.) The thickness of a doubly refracting plate is measured over the entire viewing field by the color produced by its double refraction. (Owner) Harry B. Maris, 4711 Riverdale Road, Riverdale, Md. Groups 32—95; 35—65; 36—13; 39—13. Reg. No. 346.

Pat. 2,333,112. REINFORCING FITTING FOR DECK OPENINGS. Patented Nov. 2, 1943. (Granted under the act of March 3, 1883; as amended April 30, 1928; 370 O. G. 757.) The fitting is designed for welded reinforcement at an opening in a metal plate, such as hatch of ships, where better than ninety per cent reinforcement to resist either tension or compression is desired. (Owner) Harry B. Maris, 4711 Riverdale Road, Riverdale, Md. Groups 33—81; 37—31. Reg. No. 347.

Pat. 2,335,869. HIGH-SPEED STRAIN GAUGE. Patented Dec. 7, 1943. (Granted under the act of March 3, 1883; as amended April 30, 1928; 370 O. G. 757.) In this gauge the old principle of the rolling needle and the optical lever are reduced to a simple self-supporting unit. It can be used to measure or record either rapidly changing strains or weights. (Owner) Harry B. Maris, 4711 Riverdale Road, Riverdale, Md. Groups 35—65; 37—21—22. Reg. No. 348.

Pat. 2,347,702. DEVICE FOR MEASURING EXTREMELY SMALL ANOLES. Patented May 2, 1944. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A reflection multiplier with an optical lever arm. It was designed for gravitational prospecting but could be used with a galvanometer or any gauge where small rotations are measured. (Owner) Harry B. Maris, 4711 Riverdale Road, Riverdale, Md. Groups 35—65; 37—21—22. Reg. No. 349.

Pat. 2,347,703. WIND CALCULATOR. Patented May 2, 1944. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) This is a triangulation board for determining wind ground-velocity from two given plane-air velocities and the two associated plane-ground drift directions. (Owner) Harry B. Maris, 4711 Riverdale Road, Riverdale, Md. Groups 35—65; 37—21—22. Reg. No. 350.

Pat. 2,359,747. CONTROL CIRCUIT. Patented Oct. 10, 1944. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) In the nature of the well known parallel-control thyatron circuit, wherein, only one source of biasing voltage is required for all tubes, and wherein firing is transferred from one tube to another by means of a single-pole single-throw switch. (Owner) Henry Carleton, 3415 38th St., N. W., Washington 16, D. C. Group 36—61—92. Reg. No. 351.

Pat. 2,224,056. ROOF CONSTRUCTION. Patented Dec. 3, 1940. Curved roof. Rafters are covered by sheathing strips diagonally disposed. Then another layer is applied diagonally disposed in a direction opposite to first layer. More than two layers may be used. Roof is free from truss rods commonly used and weight is evenly distributed. (Owner) Arthur S. Mellinger, R. R. 17, Box 319, Indianapolis 44, Ind. Groups 24—31; 32—71; 34—95. Reg. No. 352.

Pat. 2,298,323. THERMOSTATIC CONTROL DEVICE. Patented Oct. 13, 1942. For furnaces, oil burners, or the like. Requires but few structural parts including merely, in addition to customary bimetal strip and simple control circuit, a small motor or clock mechanism, a pair of cams, and in some instances, an additional set of contacts. (Owner) John N. Wheeler, 33 Monticello Avenue, Hawthorne, N. Y. Group 33—66. Reg. No. 353.

Pat. 2,333,068. SOAP DISPENSER. Patented Oct. 26, 1943. Has conventional valve in bottom. Removable soap dish having grating means and slots is mounted in top. Small pieces, ordinarily wasted are grated and placed in dispenser while whole cake is placed in dish. Drippings from cake pass into dispenser. Water may be added. (Owner) William Zwanzig, First National Bank Bldg., Ottawa, Ill. Groups 28—41—83; 33—73; 34—41. Reg. No. 354.

Pat. 1,863,313. APPARATUS FOR WELDING TUBING. Patented June 14, 1932. Reg. No. 355.

Pat. 2,034,411. APPARATUS FOR ELECTRIC WELDING. Patented March 17, 1936. Reg. No. 356.

Pat. 2,078,964. METHOD OF AND APPARATUS FOR ELECTRIC WELDING. Patented May 4, 1937. Reg. No. 357.

Pat. 2,092,003. ALTERNATING CURRENT WELDING APPARATUS. Patented Sept. 7, 1937. Reg. No. 358.

The four patents listed above relate to welding longitudinal seams, such as in the manufacture of tubing. They cover the use of various types of electrodes, the use of controlled atmosphere and the use of current from resonant circuits. They also cover simultaneous welding operations on two seams. (Owner) C. N. Mitchell, 3800 Harvard Ave., Cleveland, Ohio. Groups 35—42; 36—19.

Pat. 2,206,827. DEVICE FOR DIFFERENTIATING AND INDICATING THE RELATIVE OCCURRENCES OF A SEQUENCE OF EVENTS. Patented July 2, 1940. A four lane course is illustrated and the arrangement of electrically operated lights and circuits, theory of operation and type of lamps used are set forth in detail. (Owner) Leon M. Prince, Jr., 424 W. 116th St., New York 27, N. Y. Group 36—11—19—61—92. Reg. No. 359.

Pat. 2,308,778. AUTOMATIC TELEPHONE SYSTEM. Patented Jan. 19, 1943. An "all-electronic" control which comprises a "counting" circuit A, a "differentiating" circuit B and a "register" circuit C. Circuit A counts the dial impulses and transmits the results to circuit B which codifies them and actuates circuit C. The last named circuit records the number and initiates the connection. (Owner) Leon M. Prince, Jr., 424 West 116th St., New York 27, N. Y. Group 36—62—92. Reg. No. 360.

Pat. 2,209,313. SELF-SEALING CAN TAPPER. Patented July 30, 1940. Device is constructed so that two hollow piercing points communicating with tubular sections penetrate the can at different points. Openings in can around points are sealed. Liquid flows through ports in piercing points and out through tubular section. Device remains on can and has means to seal opening. Piercing points may be L-shaped. (Owner) Laura S. Ackley, Apt. 103, 30 E. Philadelphia Ave., Detroit 2, Mich. Group 33—71—73. Reg. No. 361.

Pat. 2,370,251. ORTHOPEDIC ARCH. Patented Feb. 27, 1945. Attachment for beds to facilitate treatment of broken bones, etc. when utilizing weights. Is detachable and adjustable. Bed with attachment in place and patient can be moved from room to room. Eliminates hazards in case of fire. (Owner) Jack W. Lewis, Route #7, Box 310-B, Tyler, Tex. Group 39—16. Reg. No. 362.

Pat. 2,025,106. WARNING SIGNAL AND CONTROL FOR ROAD VEHICLES. Patented Dec. 24, 1935. System whereby automobile is provided with a radio tuned to two stations located on opposite sides of railroad crossing. On approach of onrushing train signal appears in car and if ignored by driver ignition will be cut off and brakes applied. (Owner) Jerome Hirschfeld, 654 Madison Ave., New York 21, N. Y. Groups 36—61—62; 38—31. Reg. No. 363.

Pat. 2,058,217. TIE RACK AND THE LIKE. Patented Oct. 20, 1936. Device is made of spring wire. Master section carries a multiplicity of removable supporting sections forming a single rigid unit when assembled. When used as tie holder, even at capacity, a portion of each tie will be exposed. May also be used for displaying other merchandise or for drying wet articles. (Owner) Herbert W. Dixon, 225 Hilltop Road, Bridgeport 5, Conn. Groups 23—X1; 33—49; 39—93. Reg. No. 364.

Pat. 2,279,245. PACKAGE. Patented April 7, 1942. A tab is provided so that when pull is exerted the top of a transparent wrapper, such as Cellophane or the like, will be severed along a predetermined weakened line, revealing inner wrapper. (Owner) Horace F. Phelps, 20 Morningview Drive, Montgomery 7, Ala. Groups 21—11; 26—61. Reg. No. 365.

Pat. 2,245,863. PULLEY CONSTRUCTION. Patented June 17, 1941. For use with clotheslines and the like. Cumbersome gears and teeth are eliminated. Pulley is notched and means engage notches to prevent reverse rotation. Device can be modified to prevent rotation in either direction. (Owners) William Labonte and Theodore Labonte, 45 Christopher St., Chicopee Falls, Mass. Groups 25—99; 35—81. Reg. No. 366.

Pat. 2,365,656. PROTECTIVE HEADGEAR. Patented Dec. 19, 1944. For protection against insects. Is non-metallic and can be worn while sleeping. Inflatable front framework spaces the material from face. Can be folded into compact form. (Owner) George M. Lamsa, Care of: Samuel G. Thomson, 3702 147th St., Flushing, N. Y. Groups 22—11; 30—41; 31—99. Reg. No. 367.

Pat. 2,077,092. OPHTHALMIC LENS. Patented April 13, 1937. Particularly lens which have a relatively strong negative or minus power, such as used for myopia. Lens are so ground that offsets reduce thickness of rims. Lens are light and easily mounted in frame. (Owner) Simon Broder, 8305 Old Georgetown Rd., Bethesda 14, Md. Group 30—13—14. Reg. No. 368.

Pat. 2,301,893. DISPENSER FOR SENSITIZED PAPER. Patented Nov. 10, 1942. For dark rooms. Sealed container is adjustable to receive stacks of paper of various size. Has means for opening slot and ejecting single sheet part way out. When sheet is grasped and pulled all way out, slot will close, ejector returns to previous position and container again becomes sealed. (Owner) Barney Lifshay, 153-15 89th Ave., Jamaica 2, N. Y. Group 39—12. Reg. No. 369.

Pat. 2,183,268. THERAPEUTIC PREPARATION. Patented Dec. 12, 1939. Calcium therapeutic agent for treating disorders caused by calcium deficiency in the body containing 10.01 parts by weight calcium gluconate and 3.8 parts by weight calcium hypophosphite in water. States compound is stable and avoids irritating effects of calcium gluconate solutions containing acid and other stabilizers foreign to the body. (Owner) Rudolph Selden, 700 E. 63rd Terrace, Kansas City 5, Mo. Group 28—31. Reg. No. 370.

Pat. 2,294,016. INSULIN AND PECTIN SOLUTION FOR INJECTION PURPOSES. Patented Aug. 23, 1942. Suitable for hypodermic injection containing pectin ranging from about 2½ to 3½% of total amount of solution. Has prolonged insulin effect and doses may be reduced to one per day. Owner claims in tests no ill effects were experienced after injection. (Owner) Rudolph E. V. Roesler de Villiers, 59 Wall St., New York 5, N. Y. Group 28—31. Reg. No. 371.

Pat. 2,373,625. SUPPOSITORY CONTAINING INSULIN. Patented April 10, 1945. A conventional solid carrier and non-toxic, non-irritating acid is added in an amount sufficient to protect the insulin from destruction by enzymes in the intestines until an effective amount thereof is absorbed by the body. Owner claims in tests no ill effects were experienced after injection. (Owner) Rudolph E. V. Roesler de Villiers, 59 Wall St., New York 5, N. Y. Group 28—31. Reg. No. 372.

Pat. 1,841,294. BRAKE. Patented Jan. 12, 1932. Steering post is provided with mechanism in such manner that upward pull exerted on steering wheel will operate brakes, preferably emergency. Separate means is provided for setting brakes when stopped. (Owner) Earle J. Nicholson, 121 Laurel Pl., Utica, N. Y. Groups 35—42—69; 38—31. Reg. No. 373.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING AUGUST, 1945

CIBA PHARMACEUTICAL PRODUCTS, INC., v. VINCENT CHRISTINA & Co., Inc., Opposition No. 23,132.

In a decision rendered August 1, 1945 (166 Ms. Dec. 807, 66 USPQ 263), Assistant Commissioner Henry reversed the action of the Examiner of Trade-Marks who had dismissed the opposition of Ciba Pharmaceutical Products, Inc., of Lafayette Park, Summit, N. J., to the application of Vincent Christina & Co., Inc., of New York, N. Y., for the registration of its trade-mark "ANDROPLEX," for a pharmaceutical preparation for the treatment of male sex hormone deficiencies by intra-muscular injection. The opposition was based upon opposer's ownership and prior use on identical goods of its trade-mark "ANDROSTIN."

It was held that the test is not whether the two marks are distinguishable when placed side by side for inspection and comparison, but whether they so resemble each other that an ordinary purchaser buying with ordinary caution is likely to be misled.

After noting that the prefix "andro" as used in the two fanciful words constituting the trade-marks under consideration would seem to be common property, it was held that the question for decision becomes whether an honest use of the trade-mark "ANDROPLEX" by the corporate applicant long after its rival in business had adopted and used its trade-mark "ANDROSTIN" for the identical goods and made it known among its customers and probable patrons will be likely to cause confusion in trade or deceive purchasers.

It was held that it would, since the two marks are so nearly alike as to deceive both the eye and the ear. They contain the same number of letters, and the type is of the same size. No part of the mark of the late comer is either written or arranged in any distinctive way, and both the prefix and suffix of the mark have not acquired distinctive meanings.

VAN PELT & BROWN, INC., v. JOHN WYETH & BROTHER, INCORPORATED (BY CHANGE OF NAME, WYETH INCORPORATED), Opposition No. 22,817.

In a decision rendered August 1, 1945 (166 Ms. Dec. 805, 66 USPQ 265), Assistant Commissioner Henry affirmed the action of the Examiner of Trade-Mark Interferences sustaining the opposition of John Wyeth & Brother, Incorporated (by change of name, Wyeth, Incorporated), of Philadelphia, Pa., to the application of Van Pelt & Brown, Inc., of Richmond, Va., for registration of its trade-mark "VANOGEL" for a preparation in liquid or tablet form embodying colloidal aluminum hydroxide for the treatment of gastric duodenal ulcers. Opposer

relied upon its prior use and ownership of its trade-mark "AMPHOJEL" for the same class of merchandise.

After noting that it was agreed by both parties at the hearing that the sole questions involved on this appeal are whether (1) the opposer, as an intervenor, has the right to qualify under the confusion-in-trade clause of section 5 of the Trade-Mark Act of 1905, and whether (2) the marks so nearly resemble each other that their use upon identical goods would be likely to cause confusion in trade, it was held that the first of these contentions may be quickly disposed of for the reason that when an opposer relies upon a registration under the act of 1905, the validity of the registered mark may not be challenged in an opposition proceeding.

After noting that the first syllables of the marks, "AMPH" and "VAN," are entirely different from each other, it was held that the endings of both marks are substantially the same, so that the sounds of these endings render the entire marks so similar in appearance, sound and suggestive meaning that, notwithstanding the difference between the first part of the marks, their concurrent use on goods of the same descriptive qualities would be likely to cause confusion and mistake in the mind of the public and to deceive purchasers.

SHARPE & DOHME, INCORPORATED, v. WILLIAM R. WARNER & Co., Inc., Opposition No. 22,690.

In a decision rendered August 3, 1945 (166 Ms. Dec. 813, 66 USPQ 324), First Assistant Commissioner Frazer affirmed the action of the Examiner of Interferences sustaining the opposition of Sharp & Dohme, Incorporated, of Philadelphia, Pa., to the application of William R. Warner & Co., Inc., of New York, N. Y., for registration of the word "Cremaderm" as a trade-mark for a cream ointment base, use being claimed since March 9, 1943. Opposer relied upon its ownership of the trade-mark "Tresaderm," registered November 3, 1942, for astringents, analgesics, antiseptics and ointments and preparations having any of the properties and uses of astringents, analgesics, antiseptics and ointments, including astringent, analgesic and antiseptic ointments.

It was held that "Cremaderm" and "Tresaderm," viewed in their entireties, look and sound too much alike to be used concurrently in trade on merchandise of the same descriptive properties without likelihood of confusion, since each mark has the same number of letters and syllables, the second and third syllables are identical, and of the nine letters making up each mark, seven are the same and are identically located.

In response to applicant's argument that the common suffix "derm," signifying "skin," is descriptive of the goods of both parties and does not in itself possess trade-mark significance, it was held that that is equally true of the prefix "Crem" in applicant's mark, so that the facts would seem to require that equal weight be given to both syllables, "derm" and "Crem."

SANDURA COMPANY, INC., v. WESTERN AUTO SUPPLY COMPANY, Opposition No. 22,845.

In a decision rendered August 3, 1945 (166 Ms. Dec. 810, 66 USPQ 323), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the opposition of Sandura Company, Inc., of Philadelphia, Pa., to the application of Western Auto Supply Company, of Los Angeles, Calif., for registration of the notation "Western's Dura-Gloss," the word "Gloss" being disclaimed, as a trade-mark for felt base floor coverings in the nature of linoleum. Opposer relied upon its trade-mark "Sandura," previously registered for waterproof floor covering materials.

After noting that opposer's priority of use is conceded, as is also the substantial identity of the goods, it was held that the only question to be determined is that of confusing similarity of the marks.

It was held that viewed as a whole, the marks involved differ widely in appearance and sound, for although "Dura" occurs in both, it is not an English word, and in relation to floor covering it has no meaning, so that the two marks may be used concurrently upon the goods described without any reasonable likelihood that confusion will result.

AFFILIATED PRODUCTS, INC., v. EMIL P. MARTINI, Opposition No. 22,887.

In a decision rendered August 3, 1945, (166 Ms. Dec. 811, 66 USPQ 325), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the opposition of Affiliated Products, Inc., of Jersey City, N. J., to the application of Emil P. Martini, of Hackensack, N. J., for registration of the expression "Derma-Dyne," the word "Derma" being disclaimed, as a trade-mark for a liquid skin treating preparation intended to relieve itching in the treatment of ivy and oak poisoning, insect bites and stings, and cold sores. The mark is alleged to have been used since June, 1942. Opposer relied upon its ownership of a registration issued April 25, 1933, under the act of February 20, 1905, for the notation "Dermaskin" for a medicinal ointment for skin disorders.

It was held that the Examiner was right in ruling that both products are adapted for use in treating skin disorders, and as such comprise closely related and competitive products of substantially identical descriptive properties.

After noting that the Examiner had concluded that more often than not the word "derma" would possess no significance to purchasers other than as an indication of the personal source of the goods,

it was held that the word "derma" is descriptive of applicant's goods, and aside from this descriptive word there is no similarity between the marks as a whole, in sound, appearance or meaning, and since a descriptive word cannot dominate a trade-mark, these two marks may be used concurrently upon the goods in question without reasonable likelihood of confusion.

SWEETS LABORATORIES, INC., v. THE PROCTER & GAMBLE COMPANY, Cancellation No. 4298.

In a decision rendered August 7, 1945 (166 Ms. Dec. 818, 66 USPQ 326), *First Assistant Commissioner Frazer* denied a petition from the action of the Examiner of Interferences who had denied the motion of Sweets Laboratories, Inc., of New York, N. Y., to amend its petition to cancel a trade-mark registration originally issued to Lexey B. Ellis, Jr., and renewed upon the application of his assignee, The Procter & Gamble Company, of Memphis, Tenn.:

"(a) by adding thereto and consolidating therewith as a single cancellation proceeding, the petition for cancellation hereto attached which is substantially identical with the petition already on file in the above entitled case, but in which Gum Laboratories, Inc., is the petitioner rather than Sweets Laboratories, Inc.,

"or in the alternative,
"(b) by substituting the attached petition for cancellation for the petition for cancellation already on file and relating such substitute petition for cancellation back to the date of the original petition for cancellation in accordance with rule 15(c) of the F. R. C. P."

The petition was predicated, in part, upon petitioner's alleged ownership of a trade-mark said to be confusingly similar to the registered mark and appropriated to merchandise of the same descriptive properties. It having developed that this mark had been assigned by petitioner to Gum Laboratories, Inc., as of January 6, 1940, during the taking of petitioner's testimony, the motion to amend was thereupon filed.

It was held that under either alternative of the motion, petitioner's purpose is not to amend its petition for cancellation, but to substitute a new petition setting up a new cause of action which is exclusively asserted by a stranger to this proceeding, and in which petitioner has no legal interest; possibly under certain circumstances parties may properly be added under rule 15(c) of the Rules of Civil Procedure, but counsel has cited no authority construing that rule as permitting the substitution of parties; substitution is provided for only in rule 25, which affords no relief in situations such as the one here presented.

In response to petitioner's argument that the claim or defense asserted in the amended pleading arose out of the conduct, transaction, or occurrence set forth or attempted to be set forth in the original pleading, within the meaning of rule 15(c), it was held that there was no attempt to file the original petition to cancel in the name of Gum Laboratories, Inc. While the president of that concern signed the petition as president of Sweets Laboratories, Inc., and now offers an explanation, that can hardly be said to constitute an attempt to have set forth the claim of Gum Laboratories, Inc., in the original pleading; rather, it is an attempt to explain now why that was not done.

EX PARTE MACLEAY DUFF (DISTILLERS) LIMITED, Serial No. 460,900.

In a decision rendered August 7, 1945 (166 Ms. Dec. 816, 66 USPQ 327), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks to register to Macleay Duff (Distillers) Limited, of Glasgow, Scotland, the name "Macleay Duff," under the provisions of the act of March 19, 1920, as a trade-mark for Scotch whisky. The application was rejected in view of two prior registrations issued under the provisions of the act of February 20, 1905. One is for malt whisky for medicinal purposes and the other is for whisky. Both registered marks include design features, but a prominent element of each is the name "Duffy," or "Duff's."

In response to applicant's argument that in the mark for which it seeks registration the word "Duff" is completely dominated by "Macleay" it was held that, if for no other reason, the difficulty ordinary American purchasers would have in pronouncing this latter word would tend to make it of relatively minor importance.

It was held that it is reasonable to suppose that the goods of the parties would be called for as "Duff's" or as "Duffy's" and since the difference in appearance and sound between the two words is so slight, their concurrent use on whisky is likely to confuse the mind of the public or to deceive purchasers.

FREDERICK STEARNS & COMPANY v. RUDOLPH REBOLD, Opposition No. 22,832.

In a decision rendered August 7, 1945 (166 Ms. Dec. 815, 66 USPQ 329), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Frederick Stearns & Company, of Detroit, Mich., to the application of Rudolph Rebold, of New York, N. Y., for registration of the word "Tenamines," claimed to have been used since April 3, 1943, as a trade-mark for the hydrolysis product of proteins (amino acids). Opposer relied upon ownership of the trade-mark "Parenamine," registered July 20, 1943, for a nutritive substance composed largely of amino acids—a protein substitute.

It was held that concessions made in applicant's brief leave for determination only the one issue of whether the marks, as applied to the respective goods of the parties, are confusingly similar.

In response to applicant's assertion that in both marks the word "amine" is descriptive of the goods, it was held that although opposer is not entitled to the exclusive use of the word "amine" in a trade-mark for the goods in question, it by no means follows that applicant is entitled to the proposed registration.

It was held that the resemblances in the marks are not confined to the suffixes; they contain the common major portions "enamine," and differ only in that applicant has substituted the single letter "T" for the three-letter component "Par" in op-

poser's mark, and has made "amine" plural; so that "Parenamine" and "Tenamines" do not differ sufficiently, either in sound or in appearance, to be used concurrently in trade without a reasonable likelihood of confusion.

CAMPANA CORPORATION v. HARRY R. LUKAISER, Opposition No. 22,849.

In a decision rendered August 7, 1945 (166 Ms. Dec. 817, 66 USPQ 328), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences, who had dismissed without prejudice the opposition of Campana Corporation, of Washington, D. C., to the application of Harry R. Lukaiser, of New York, N. Y., for registration of a trade-mark, on the ground that the question presented had become moot at the date of final hearing.

After noting that it appears that another opposition to this same application was sustained by the Examiner of Interferences, in which no appeal was taken, and his decision in that case having become final, it was the opinion of the Examiner of Interferences that the question of opposer's interest in the subject matter of this application has become moot and any ruling upon the issues presented by the pleadings would be without legal force or effect, it was held that opposer is entitled to a decision on the merits in the instant proceeding, and for that purpose the case is remanded to the Examiner of Interferences.

It was held that *McKesson & Robbins, Incorporated*, v. *Bavarian Brewing Co.*, 510 O. G. 966, 43 USPQ 513, is overruled.

INTERNATIONAL SALT COMPANY v. INTERNATIONAL MINERALS & CHEMICAL CORPORATION, Opposition No. 23,146.

In a decision rendered August 9, 1945 (166 Ms. Dec. 820, 66 USPQ 330), *First Assistant Commissioner Frazer* denied applicant's motion to dismiss opposer's appeal, where the Examiner of Interferences had dismissed the opposition of International Salt Company, of Scranton, Pa., to the application of International Minerals & Chemical Corporation, of Chicago, Ill., but because of the confusing similarity of applicant's mark to a trade-mark previously registered to a third party, had also adjudged applicant not entitled to the registration for which it has made application, and applicant took no appeal from the Examiner's decision.

In response to applicant's argument that opposer's appeal raises a moot question, it was held that the mark here sought to be registered is a perfectly valid trade-mark, and the application has been rejected only because it conflicts with the rights of a stranger to this proceeding; it is entirely conceivable that in the further ex parte prosecution of the case applicant may be able to show that the registered mark has been abandoned, or that applicant has acquired ownership of the registration, or even that the registrant consents to the registration of applicant's mark; in either of which events the Examiner of Trade-Marks would, of course, have

authority to grant such registration despite the contrary decision of the Examiner of Interferences.

EX PARTE ARTHUR LEO O'NEIL, Serial No. 459,496.

In a decision rendered August 10, 1945, (166 Ms. Dec. 822, 66 USPQ 331), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Trade-Marks refusing to register to Arthur Leo O'Neil, of Eastondale, Mass., a composite mark for hair tonic, the dominant and essential feature of which is the word "Penguin," in view of a prior registration of the same word, in association with the pictorial representation of a penguin, as a trade-mark for medicated pastilles for use in affections of the voice, throat, and chest.

It was held that the only question to be determined is whether the goods of the registration and those named in the application possess the same descriptive properties; for if they do, the two marks are of course confusingly similar.

It was held that the goods of the registration and those named in the application do not possess the same descriptive properties.

EX PARTE REPUBLIC STEEL CORPORATION, Serial No. 447,447.

In a decision rendered August 17, 1945 (166 Ms. Dec. 822, — USPQ —), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Trade-Marks who had refused to register to Republic Steel Corporation, of Cleveland, Ohio, the notation "Inch-Marked," under the provisions of the act of March 19, 1920, as a trade-mark for electrically welded pipe, conduit, and tubing composed of iron, steel or ferrous alloys, on the ground that the mark merely describes a functional measure marking appearing on applicant's products, and for that reason is incapable of indicating the origin of the goods with which it is used.

After noting that the mark is concededly descriptive of the goods, that descriptive marks are registrable under the act of 1920 provided only that they are capable of trade-mark significance, and that applicant has submitted evidence tending to establish that its mark has been accepted by the trade as indicating origin, it was held that the case is a close one; but upon the record presented the doubt as to registrability should be resolved in applicant's favor since, if the registration proves to be injurious to any of applicant's competitors, the statute provides a simple remedy by way of cancellation.

V. LA ROSA & SONS, INC., v. IF-SA SALES & SERVICE CORPORATION, Opposition No. 22,855.

In a decision rendered August 21, 1945 (166 Ms. Dec. 825, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of V. La Rosa & Sons, Inc., of Brooklyn, N. Y., to the application of If-Sa Sales & Service Corporation, of Columbus, Ohio, for registration of a trade-mark consisting in the pictorial representation of a rose

with a child's head emerging therefrom, beneath which is printed the disclaimed surname "Rosan," appropriated to a long list of grocery products.

After noting that opposer owns several registrations of the name "La Rosa," variously displayed in association with a picture of a rose, and likewise appropriated to grocery products; that for the most part the goods of the parties are of the same descriptive properties, and to some extent they are substantially identical; and that opposer's mark has been in use for many years longer than has applicant's mark, it was held that the only question to be determined is whether the two marks bear such near resemblance as to be likely to confuse the public or to deceive purchasers.

It was held that "Rosan" and "La Rosa" are too nearly alike, both in appearance and in sound, to be used on such goods without likelihood of confusion; and the occurrence in each mark of the representation of a rose manifestly increases the probability that confusion would result.

CELANESE CORPORATION OF AMERICA v. AMERICAN VISCOSE CORPORATION, Cancellation No. 4321.

In a decision rendered August 21, 1945 (166 Ms. Dec. 825, — USPQ —), *First Assistant Commissioner Frazer* denied the petition of Celanese Corporation of America, of New York, N. Y., to reverse the ruling of the Examiner of Interferences who had dismissed its petition to cancel a trade-mark registration, issued to American Viscose Corporation, of Wilmington, Del., on the ground that petitioner had failed to prove its alleged ownership of the trade-mark upon which the petition was predicated, because although petitioner had served notice that it would use as evidence at final hearing a recorded assignment to itself of the registration pleaded in the petition, the assignment was not actually introduced, so that the Examiner held that such evidence as might be afforded thereby was not before him and may not be considered as a basis for judgment.

It was held that petitioner's obvious remedy was by motion to reopen for the purpose of completing the record; that having failed so to move, its only remaining remedy is by appeal upon the record made; and that a final decision of the Examiner of Interferences will not be reviewed on petition.

McKESSON & ROBBINS, INCORPORATED, v. ARTHUR W. PITTS, Opposition No. 23,975.

In a decision rendered August 21, 1945 (166 Ms. Dec. 827, — USPQ —), *First Assistant Commissioner Frazer* denied a petition by Arthur W. Pitts, of Tacoma, Wash., seeking a review and reversal of the action of the Examiner of Interferences denying his motion for judgment on the record in an opposition proceeding instituted by McKesson & Robbins, Incorporated, of New York, N. Y.

After noting that opposer took no testimony within the time fixed, but filed a notice that at final hearing it would use as evidence certified copies of certain recorded instruments; and that Pitts questions

the admissibility of such certified copies in evidence, and thus argues that the opposition should be dismissed, it was held that the sufficiency of opposer's proofs to support the allegations of its pleading is a matter to be determined upon final hearing; that should the Examiner of Interferences dismiss the opposition, opposer will have the right of appeal from his decision; and that to direct him now to take such action would be to foreclose that right.

THE GREAT ATLANTIC & PACIFIC TEA COMPANY v. AMBROSE SHERRATT, Cancellation No. 4310.

In a decision rendered August 23, 1945 (166 Ms. Dec. 823, — USPQ —), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the petition of The Great Atlantic & Pacific Tea Company, of New York, N. Y., to cancel trade-mark registration No. 403,652, issued October 5, 1943, under the provisions of the act of March 19, 1920, to Ambrose Sherratt, of Los Angeles, Calif., the mark being essentially the notation "Dailymade," appropriated to food for pet and wild carnivorous animals. The petition to cancel was predicated upon petitioner's ownership of three earlier registrations, all issued under the act of February 20, 1905, covering the marks "Daily Milk" for stock and dairy feed, "Daily Growth" for chick starter, growing mash, and chick feed, and "Daily-Egg" for scratch feed and mash. No testimony was taken by either party.

In response to respondent's argument that the word "Daily" has been so often included as an element of composite registered trade-marks that, alone, it ceases to have any distinctive significance, based upon a long list of alleged registrations pleaded in his amended answer to the petition, it was held that because such registrations were not introduced in evidence they may not properly be considered; but even had they been offered they would not have been receivable for the purpose of giving a limited application to petitioner's marks.

It was further held that despite respondent's argument to the contrary, the word "Daily," taken by itself, is descriptive of none of the goods here involved.

After noting that the goods of both parties are food for animals, and to that extent they possess the same descriptive properties, it was held that their specific differences must still be considered, in connection with the differences between the marks under which they are sold, in determining whether their concurrent sale under such marks is likely to cause confusion or mistake in the mind of the public or to deceive purchasers.

It was held that "Dailymade" does bear some resemblance in sound and appearance to "Daily Milk," which the Examiner of Interferences deemed to be the most pertinent of petitioner's marks; but these two marks are entirely different in significance, so it seems that no one at all familiar with the English language would have any difficulty in distinguishing between them, composed as they are

of simple words in common use, so that in view of the differences in the goods to which they are applied, they differ sufficiently to insure against any reasonable likelihood of confusion.

THE SCHIFF COMPANY v. THE SCHOLL MFG. CO., INC., Cancellation No. 4184.

In a decision rendered August 23, 1945 (166 Ms. Dec. 827, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the petition of The Schiff Company, of Chicago, Ill., to cancel eleven trade-mark registrations, issued under the provisions of the act of February 20, 1905, and owned by The Scholl Mfg. Co., Inc., of Columbus, Ohio. It was held that petitioner has attempted to prove, and respondent to disprove, that the several registered marks are descriptive of the merchandise to which they are respectively appropriated; but the testimony in that regard constitutes merely the conflicting opinions of nonexpert witnesses, and is without probative value.

After observing that the petition to cancel alleges that petitioner sells shoes in its stores, and that registration of the marks by respondent has restricted the use of the English language and the description and marketing of petitioner's products, because the registrations are descriptive of various and sundry characteristics of petitioner's shoes as well as the products of others doing business throughout the United States, it was held that there is no direct allegation that petitioner has had occasion to use any of respondent's marks in describing its goods; nor does the record afford any particulars with respect to the various and sundry characteristics of petitioner's shoes of which either of the marks may conceivably be regarded as descriptive.

After enumerating the registered trade-marks and observing that only one of them, "Practipedic," is registered for shoes, it was held that in the petition to cancel that mark is not alleged to be descriptive of shoes or of their character or quality, because the allegation is that it is simply a contraction of the words practical and pedic, and describes the proper treatment of the feet by massage, foot exercises or other methods practiced by practitioners specializing in the feet.

It was held that assuming, without deciding, that the mark is thus descriptive, it does not follow that petitioner is damaged by its registration, because there is no showing that it describes anything in which petitioner deals. It was also held that it may further be assumed that each of the other marks listed is descriptive of the goods for which it is registered. But since petitioner does not claim that it sells any like goods, there is neither likelihood of confusion, nor possibility of injury to petitioner, by reason of the registrations.

After noting that the parties to this proceeding were involved in an opposition proceeding (*The Scholl Mfg. Co., Inc., v. The Schiff Co.*, 552 O. G. 573, 58 USPQ 86) where respondent opposed peti-

tioner's application to register the notation "Medico Pedic" as a trade-mark for shoes, relying upon its ownership of the eleven registrations here sought to be canceled; and the Assistant Commissioner sustained the opposition on the ground that "Medico Pedic" was confusingly similar to respondent's mark "Practipedic," previously registered for the same goods, in response to the argument that the very filing of the opposition was injurious to petitioner, it was held that it is unnecessary to pass upon the question thus presented, because it has no bearing upon any issue raised by the petition to cancel; having failed to plead use of its mark, or respondent's opposition to the registration thereof, evidence respecting those matters is not pertinent and may not properly be considered.

EX PARTE TIDY PRODUCTS CORPORATION (TIDY PRODUCTS CO., ASSIGNEE, SUBSTITUTED), Serial No. 424,144.

In a decision rendered August 24, 1945 (166 Ms. Dec. 828, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register the notation "Robe-N-Hood," to Tidy Products Corporation (Tidy Products Co., Assignee, Substituted), of New York, N. Y., under the provisions of the act of March 19, 1920, as a trade-mark for infants' garments, namely, sleeping bags, bonnets, and combinations of bonnets and sleeping bags. The application was originally filed under the act of February 20, 1905, and was rejected by the Examiner on the ground that the mark was descriptive of the goods. His action was affirmed in a decision rendered August 18, 1943 (554 O. G. 542, 59 USPQ 25). Subsequently the application was amended to bring it within the provisions of the 1920 act, and as thus amended was rejected by the Examiner on the ground that the mark is incapable of indicating origin.

After stating that descriptiveness would, of course, be no bar to registration under the act of 1920 if the mark possessed trade-mark significance, it was held that the mark is actually the name of the goods to which it is appropriated, and, therefore, cannot function as a trade-mark for such goods.

In response to applicant's reference to an affidavit, as showing that the mark has acquired a secondary meaning, it was held that proof, however, that competitors have not used the notation as a name for their sleeping garments is not proof that they could not properly have done so.

It was further held that by the same token it is immaterial that applicant alleges exclusive use of the mark during the period of one year immediately preceding the amendment of the application.

EX PARTE HAIRE PUBLISHING COMPANY, Serial No. 447,066.

In a decision rendered August 28, 1945 (166 Ms. Dec. 831, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Haire Pub-

lishing Company, of New York, N. Y., its mark under the provisions of the act of March 19, 1920, because no appearance was made for oral argument, nor has applicant filed a brief in support of the petition; and an inspection of the record is convincing that the Examiner's ruling was correct.

WASHINGTON INSTITUTE OF TECHNOLOGY, INC., v. ELECTRONIC LABORATORIES, INCORPORATED, Opposition Nos. 22,789 and 22,791.

In a decision rendered August 28, 1945 (166 Ms. Dec. 830, — USPQ —), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences in each of two trade-mark opposition proceedings, in each of which he sustained the opposition of Washington Institute of Technology, Inc., of Washington, D. C., to the application of Electronic Laboratories, Incorporated, of Indianapolis, Ind., for registration of a trade-mark for electrical power supply units for controlling or rectifying a given electric power to suit a use, converters and inverters, and portable radio communication apparatus and visible signaling apparatus for producing a visible signal of light by flashers or otherwise and not by physical motion of any device. The Examiner had further adjudged each mark non-registrable because confusingly similar to a mark previously registered to a third party.

Each of applicant's marks depicts a large circle, pierced by a zigzag line, and separating a pair of conventionalized wings. Within the circle of one is the letter "E," while the circle of the other incloses the letters "E L." Opposer's registered mark upon which it relies also includes a pair of wings, but they are completely different in design from the wings of applicant's marks. And instead of a circle they are separated by a shield, from the top and bottom of which are extended the two ends of a conventional lightning flash. Upon the shield are printed the letters "W. I. T." The mark is registered for radio direction finders, blind landing systems, and parts thereof, and electro-mechanical filters forming part thereof.

In response to applicant's argument that the goods of the parties are of different descriptive properties, it was held that although obviously opposer's goods and applicant's goods differ widely in many respects, and are likely to be purchased only by experts and with considerable discrimination, nevertheless, broadly speaking, they must be regarded as having the same descriptive properties within the meaning of the Trade-Mark Act; but their differences must nevertheless be considered in passing upon the likelihood of confusion between the marks under which they are respectively sold. After noting that all of the marks include wings and flashes, but the wings and flashes of applicant's mark differ radically from the wings and flashes of opposer's mark, and certainly opposer's registration does not carry with it a monopoly of all forms of these commonly used symbols, it was held that each of applicant's marks is sufficiently dissimilar from

opposer's mark to insure against any reasonable likelihood that confusion will result from their concurrent use in connection with the particular merchandise to which appropriated.

It was held that it would serve no useful purpose to discuss the third party registration cited by the Examiner of Interferences, other than to say that the mark and the goods there disclosed bear about the same degree of resemblance to applicant's marks and goods as do those of opposer; and the registrant did not oppose the application, presumably being satisfied that there was no conflict.

ELIZABETH ARDEN SALES CORPORATION v. CHARLES OF THE RITZ, INC., Cancellation No. 4322.

In a decision rendered August 28, 1945 (166 Ms. Dec. 832, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences who had sustained the petition of Elizabeth Arden Sales Corporation, of New York, N. Y., to cancel trade-mark registration No. 397,973, issued September 29, 1942, upon an application filed June 10, 1942, to Charles of the Ritz, Inc., also of New York, N. Y. Respondent's mark is the notation "Feather Touch" for toilet cream. Petitioner's registered mark upon which it relies is "Ardena Feather-Light Foundation Cream," the words "Light" and "Foundation Cream" being disclaimed for face cream. This mark was registered December 22, 1942, upon an application filed May 13, 1941. In its answer respondent admitted that the goods on which the respective marks in issue are used are of the same descriptive properties. Neither party took testimony.

In response to respondent's argument that although the two cases were copending in the Patent Office, no interference was declared between them, and respondent's earlier registration is entitled to a presumption of validity and nonconflict with petitioner's subsequently issued registration, it was held that since petitioner's filing date and presumptive date of first use was prior to the date of first use claimed by respondent, the declaration of such an interference would have been improper.

It was held, moreover, that respondent's registration would not be entitled to any presumption of "nonconflict" with petitioner's registration, even were these dates reversed, since, unlike an opposition or a cancellation proceeding, the declaration of an interference is a matter peculiarly within the discretion of the Examiner of Trade-Marks, and over which applicants have no control.

It was held that petitioner relinquished none of its rights by failure to oppose respondent's application for registration; much less should it be prejudiced because no interference was declared; and finally, any ex parte ruling by the Examiner of Trade-Marks as to absence of conflict between the marks would have been subject to correction in this cancellation proceeding.

It was held that respondent's registration is prima facie valid, but petitioner needed to offer nothing

more than its own registration to overcome that presumption of validity.

It was held that the expressions "Feather-Light" and "Feather Touch" are so closely similar as to render the marks as a whole confusingly so when applied to substantially identical merchandise of the character here involved.

NOSTANE PRODUCTS CORP. v. WYANDOTTE CHEMICALS CORPORATION, Opposition No. 22,700.

In a decision rendered August 29, 1945 (166 Ms. Dec. 834, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the opposition of Nostane Products Corp., of Brooklyn, N. Y., to the application of Wyandotte Chemicals Corporation, of Wyandotte, Mich., for registration of the word "Noxtane," used since May, 1941, as a trade-mark for a chemical preservative for controlling stain and mold organisms which degrade lumber and other commercial products. The opposition was predicated upon opposer's ownership of a trade-mark "Nostane," registered March 22, 1927, for dry-cleaning fluid.

After noting that applicant's product is a chemical preparation used in the treatment of green lumber to prevent the occurrence of so-called sap stain; that to be effective for that purpose it must be applied as soon as possible after the lumber has been sawed; that since it has no other utility, its sale is necessarily restricted to sawmill operators; and that applicant has agreed to delete the words "and other commercial products" from its description of merchandise, it was held that it will be required to do so before a certificate of registration will issue.

It was held that dry-cleaning fluids do not have the same descriptive properties as applicant's goods since the two products are used for such widely unrelated purposes, and are so utterly different in form, composition, and appearance, that it is not reasonably possible for any purchaser to be confused through their sale under similar trade-marks. That the marks are quite similar is of course apparent; but as the goods are of different descriptive properties, the similarity of the marks becomes immaterial.

After noting that there is some evidence in the record of opposer's use of its mark on goods other than cleaning fluid, it was held that such use, however, was not pleaded in the notice of opposition, and so may not properly be considered.

WEST DISINFECTING COMPANY v. LAN-O-SHEEN COMPANY, Opposition No. 22,859.

In a decision rendered August 29, 1945 (166 Ms. Dec. 835, — USPQ —), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the opposition of West Disinfecting Company, of Long Island City, N. Y., to the application of Lan-O-Sheen Company, of St. Paul, Minn., for registration of the notation "Lan-o-Sheen" as a trade-mark for cleaning powder

and water softener. The opposition was predicated upon opposer's trade-mark "Lustersheen" previously registered for a preparation prepared for use in the wet cleaning of silks, woolens, linens, and fine fabrics.

After noting that applicant's product is usable for the same purpose, it was held that the goods of the parties are of course directly competitive.

It was held that the word "sheen," if not actually descriptive of cleaning preparations, is so highly suggestive of their intended function as to be incapable of exclusive appropriation, either alone or as part of a composite trade-mark; and the remaining portions of the marks here involved, "Lan-o" and "Luster," neither look alike nor sound alike, and they have no similarity in meaning, so that confusion is not likely to result from the concurrent use of the marks as a whole on similar goods.

EX PARTE CHELSEA LABORATORIES, INC., Serial No. 468,225.

In a decision rendered August 30, 1945 (166 Ms. Dec. 836, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Chelsea Laboratories, Inc., of New York, N. Y., the notation "His Hour" as a trade-mark for perfume, in view of prior registrations of the trade-marks "Bridal Hour" and "Shining Hour" for the same goods.

It was held that each of the three marks is dominated by the word "Hour," and that all three might

convey substantially the same significance, for while each mark designates a particularly described hour, there is nothing incongruous in the three descriptions, and all may conceivably refer to the same hour; so that although it is apparent, of course, that the first word of applicant's mark differs in all respects from the first word of either of the registered marks, there is a reasonable likelihood that the mark as a whole would be confused with both of the registered marks if used concurrently upon identical merchandise of the character here involved.

In response to applicant's request that judicial notice be taken that the purchasers of perfume are generally of a high type of mentality and such products as perfumes, being luxury items, are generally purchased by fastidious persons, it was held that many of the purchasers of perfumes are of the type of individual who is readily confused and easily imposed upon by unscrupulous dealers, and who would probably have difficulty in distinguishing between "His Hour" and "Shining Hour" or "Bridal Hour."

In response to applicant's citation of numerous registrations of composite trade-marks which include the word "hour," and applicant's contention that each of the registered marks cited by the Examiner bears as close a resemblance to the other as does applicant's mark to either, it was held that the propriety of those registrations is not here in issue, and the right of registration in the instant case may not be determined by the actions had in those cases.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 25, 1945

[Vol. 578. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 473,998. NATIONAL LEAD COMPANY, Sayreville, N. J., and New York, N. Y. Filed Sept. 8, 1944.

Anhydrex

FOR COMPOSITION CONTAINING A SOLUBLE SALT FOR PREVENTING ANHYDRITE OR GYPSUM CONTAMINATION OF WELL DRILLING FLUIDS.
Claims use since Jan. 1, 1944.

Ser. No. 484,178. PENNSYLVANIA INDUSTRIAL CHEMICAL CORPORATION, Clairton, Pa. Filed June 5, 1945.

PICCOLASTIC

Applicant is the owner of Regs. Nos. 380,412, 380,413, and 403,763.

FOR HYDROCARBON RESINS COMPOSED OF POLYMERS OF STYRENE, SUBSTITUTED STYRENE, AND STYRENE HOMOLOGUES.

Claims use since July 20, 1944.

Ser. No. 484,614. HARRY T. CAMPBELL SONS' CORP., Towson, Md. Filed June 16, 1945.



Applicant is the owner of Regs. Nos. 355,614; 402,098, and 403,516. The drawing is lined for the color red.
FOR MINED CALCIUM STONE, A CRUDE MINERAL.
Claims use since Feb. 21, 1936.

578 O. G.—31

CLASS 2

RECEPTACLES

Ser. No. 476,808. THE LORD BALTIMORE PRESS, Baltimore, Md. Filed Nov. 23, 1944.

FIDEL-I-TONE

FOR BOXES AND CARTONS BOTH MADE OF CARDBOARD OR PAPER.
Claims use since Aug. 25, 1944.

Ser. No. 480,803. STOR-AID, INC., New York, N. Y. Filed Mar. 10, 1945.

STOROMETER

FOR CONTAINERS, PARTICULARLY FOR HOLDING DEODORANTS AND MOTH REPELLANTS.
Claims use since Dec. 1, 1944.

Ser. No. 485,509. MARATHON CORPORATION, Rothschild, Wis. Filed July 6, 1945.

Hydro-Pak

Disclaimer is made to the word "Pak" apart from the mark as shown.
FOR PAPER CARTONS.
Claims use since June 20, 1945.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 482,111. MEVI INCORPORATED, New York, N. Y. Filed Apr. 13, 1945.



FOR POCKETBOOKS.
Claims use since Nov. 3, 1944.

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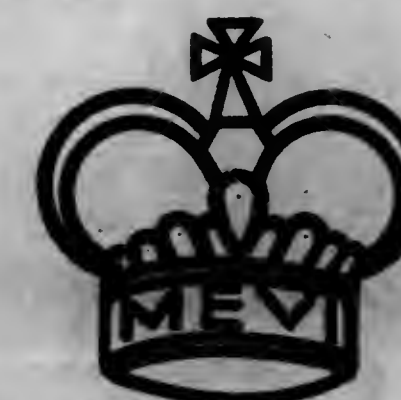
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Ser. No. 482,111. MEVI INCORPORATED, New York, N. Y. Filed Apr. 13, 1945.



FOR POCKETBOOKS.
Claims use since Nov. 3, 1944.

Ser. No. 484,932. BOSTONIAN MANUFACTURING COMPANY, New York, N. Y. Filed June 23, 1945.

Garacloth

FOR HANDBAGS.
Claims use since Apr. 1, 1945.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 481,091. WINDSOR WAX COMPANY, INC., Hoboken, N. J. Filed Mar. 19, 1945.



Applicant disclaims the right to the exclusive use of the words, "By The Makers of Windsor" except in relation and association shown.

FOR HOUSEHOLD CLEANER FOR WOODWORK.
Claims use since November 1940.

Ser. No. 482,591. THE SEYBOLD PAPER COMPANY, Cincinnati, Ohio. Filed Apr. 25, 1945.

SEYCO-SOL

FOR LIQUID CLEANER FOR VITREOUS WARE HAVING DEODORIZING PROPERTIES.
Claims use since Mar. 25, 1945.

Ser. No. 483,852. GRAY AND GRAY, Venice, Calif. Filed May 28, 1945.

NELLIE GRAY

The trade-mark consists of the name of the character in a famous American folk song.
FOR SOAP POWDER.
Claims use since May 5, 1945.

Ser. No. 483,967. GARAY TOILETRIES, INC., New York, N. Y. Filed May 30, 1945.

Homestretch

FOR BRUSHLESS SHAVE CREAM AND SHAVE SOAP.
Claims use since May 7, 1945.

CLASS 5

ADHESIVES

Ser. No. 481,377. PHELAN-FAUST PAINT MFG. CO., St. Louis, Mo. Filed Mar. 27, 1945.

CEMENTSPAR

FOR ADHESIVE CEMENT FOR ATTACHING LABELS WHICH MAY ALSO BE APPLIED OVER THE LABELS AFTER THEY HAVE BEEN ATTACHED TO FORM A TRANSPARENT, WATER AND OIL REPELLANT FINISH.

Claims use since Sept. 8, 1943.

Ser. No. 482,697. PACKAGING INDUSTRIES LIMITED, Montreal, N. J. Filed Apr. 27, 1945.

THERM-O-WELT

FOR ADHESIVE MATERIAL IN LIQUID FORM, SAID CEMENT FORMING A HEAT SEALABLE SURFACE WHEN DRY.

Claims use since Apr. 20, 1945.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 469,503. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Filed Apr. 20, 1944. Under section 5b of the act of 1905, as amended in 1920.



No claim is made to the words "Guaranteed Brand" apart from the mark.

FOR MEDICINAL MINERAL OIL.
Claims use since Feb. 15, 1944.

Ser. No. 470,266. FRANK J. HOLT, doing business as Nutrition Products Company, Aurora, Ill. Filed May 15, 1944.

ANADEx

KAF-KAPS

Applicant disclaims not only the word "Kaps" but also the word "Kaf" apart from the word "Anadex."

FOR NUTRITIONAL ADJUNCT FOR YOUNG CALVES, COMPOSED OF FISH LIVER OIL, ACTIVATED ERGOSTEROL, NIACIN AND PROBABLY ASCORBIC ACID. THE PRODUCT IS DESIGNED TO TREAT DISEASES OF YOUNG CALVES, ESPECIALLY SCOURS, AND FOR NO OTHER PURPOSE.

Claims use since Feb. 1, 1944.

Ser. No. 471,339. "42" PRODUCTS, LTD., doing business as Windsor House, Ltd., Los Angeles, Calif. Filed June 17, 1944.

Knight Errant

FOR COLOGNE.
Claims use since Sept. 1, 1942.

Ser. No. 471,473. ELGYN PRODUCTS, INC., also trading as Elgyn Products, Richmond, Va. Filed June 21, 1944.

ELGYN

FOR YEAST AND IRON COMPOUND, NATURAL FORTIFIED VITAMIN B COMPLEX WITH LIVER AND IRON, ELIXIR VITAMIN B COMPLEX AND VITAMIN A AND D CONCENTRATE TABLETS.

Claims use since May 20, 1944.

Ser. No. 473,609. WALTER S. MARSHALL, doing business as V. J. Chemical Company, Raleigh, N. C. Filed Aug. 25, 1944.

V-J-O

FOR PREPARATION FOR THE TREATMENT OF ACNE AND FACE PIMPLES, ATHLETES' FOOT, BOILS, BURNS, ITCH, IMPETIGO, ECZEMA, AND PSORIASIS.
Claims use since July 15, 1935.

Ser. No. 478,174. JOHN M. CAIN, Hartford, Conn., and West Palm Beach, Fla. Filed Jan. 3, 1945.

FABRIC--MAGIC

No claim is made to the word "Fabric" apart from the mark shown.

FOR LIQUID PREPARATION FOR RENDERING FABRICS REPELLANT OR RESISTANT TO WATER, BRINE, STAINS, AND MOTHS.

Claims use since Dec. 26, 1944.

Ser. No. 479,053. STANDARD CHEMICAL COMPANY, Natick, Mass. Filed Jan. 26, 1945.



The drawing is lined for red.
FOR CHEMICAL COMPOSITION TO REMOVE SOOT AND OTHER FUEL RESIDUE ON FIRE SURFACES.
Claims use since Oct. 1, 1943.

Ser. No. 479,636. JOHN HUDSON MOORE, INC., New York, N. Y. Filed Feb. 9, 1945.

SPORTSMAN

FOR COLOGNE, AFTER SHAVING LOTION, HAIR LOTION, TALCUM POWDER, BAY RUM, PERSONAL USE DEODORANT, FOOT POWDER, INSECT REPELLANT, SUN-SCREEN LOTION.

Claims use to cologne, after shaving lotion, hair lotion, talcum powder, since July 7, 1941; and to bay rum, deodorant, foot powder, insect repellent, sun-screen lotion, since Jan. 15, 1945.

Ser. No. 480,008. CLARENCE H. CHAMBERS, doing business as Maupassant, Brooklyn, N. Y. Filed Feb. 20, 1945.

THOU SHALT NOT

FOR PERFUME, TOILET WATER, TALCUM POWDER, BATH POWDER, FACE POWDER, ROUGE AND LIPSTICK.

Claims use since June 2, 1944.

Ser. No. 480,671. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa. Filed Mar. 8, 1945.

VI-DIEM

The letters "VI" are disclaimed apart from the mark.
FOR VITAMIN TABLETS.
Claims use since Apr. 6, 1942.

Ser. No. 481,093. MAX AIDMON, doing business as Pensilagum Co., Brooklyn, N. Y. Filed Mar. 20, 1945.

Pensilagum

FOR CHEWING GUM FORTIFIED WITH PENICILLIN.
Claims use since Mar. 8, 1945.

Ser. No. 481,497. JACK J. TAUSIG, doing business as Sonoral Laboratories, New York, N. Y. Filed Mar. 29, 1945.

PRO-B-SULPH

Applicant disclaims the vitamin designation "B" and the descriptive term "Sulph" apart from the mark shown.
FOR HYPODERMIC SOLUTION CONSISTING OF A COLLOIDAL SOLUTION OF THIAMIN HYDROCHLORIDE, SULPHUR, AND NON-SPECIFIC PROTEIN USED FOR NEURITIS, POLY-NEURITIS, AND SOME FORMS OF ARTHRITIS.
Claims use since Mar. 1, 1939.

Ser. No. 482,382. LENTHERIC, INCORPORATED, New York, N. Y. Filed Apr. 20, 1945.

FEU SACRÉ

FOR PERFUMES, TOILET WATERS, AND COSMETIC CREAMS.
Claims use since Apr. 5, 1945.

Ser. No. 482,810. META CINE COMPANY, Chattanooga, Tenn. Filed Apr. 30, 1945.

THIPRONA

FOR VITAMIN-MINERAL-LIVER COMPOUND.
Claims use since Feb. 24, 1945.

Ser. No. 482,992. HOWARDS & SONS LIMITED, Ilford, Essex, England. Filed May 4, 1945.

PLASSITIL

FOR CHEMICAL SUBSTANCES USED AS PLASTICISERS FOR CELLULOSE ESTERS AND SYNTHETIC RESINS IN THE MANUFACTURE OF LACQUERS AND PLASTICS.
Claims use since Jan. 6, 1936.

Ser. No. 483,266. THE HARROWER LABORATORY, INC., Glendale, Calif. Filed May 12, 1945.

POLYCRINES

FOR CONCENTRATED STERILE SOLUTIONS OF POLYENDOCRINE PROTEINS FOR HYPODERMIC INJECTION USED AS PART OF THE TREATMENT OF PLURIGLANDULAR DEFICIENCIES.
Claims use since May 1922.

Ser. No. 483,659. MEDICINAL PRODUCTS CO., Philadelphia, Pa. Filed May 22, 1945.

Solisar

FOR GENERAL ANTISEPTIC AND GERMICIDE AND OINTMENT, FOR CUTS, BURNS, SCALDS, IVY POISON, INSECT BITES, ATHLETES FOOT, CHAFING AND PRICKLY HEAT.
Claims use since May 15, 1945.

Ser. No. 483,716. CRESCENT CHEMICAL CORPORATION, Philadelphia, Pa. Filed May 24, 1945.

GermiteX

FOR LAUNDRY SOUR.
Claims use since May 20, 1940.

Ser. No. 483,945. WALLACE LABORATORIES, INC., New Brunswick, N. J. Filed May 29, 1945.

WALLEX

FOR LIVER EXTRACT PRODUCT FOR ADMINISTRATION BY INJECTION.
Claims use since May 22, 1945.

Ser. No. 484,013. CONSOLIDATED COSMETICS, Chicago, Ill. Filed May 31, 1945.

OOPS

FOR FACE POWDER, LIPSTICK, HAND CREAM, PERFUME, AND BRILLIANTINE.
Claims use since May 2, 1945.

Ser. No. 484,160. CAMPBELL PRODUCTS, INC., New York, N. Y. Filed June 5, 1945.

MERCUZANTHIN

FOR MERCURIAL DIURETICS.
Claims use since May 21, 1945.

Ser. No. 484,171. T. G. W. JONES, doing business as T. G. W. Jones Sons, Los Angeles, Calif. Filed June 5, 1945.

PICK-REKA

FOR PREPARATION FOR USE IN THE TREATMENT OF PYORRHEA (ALVEOLARIS).
Claims use since Mar. 4, 1944.

Ser. No. 484,342. GEIGY COMPANY, INC., New York, N. Y. Filed June 9, 1945.

GESAFLOC

FOR DISPERSING AND FLOCCULATING CHEMICAL FOR SOLIDS IN ANAQUEOUS MEDIUM.
Claims use since Jan. 15, 1945.

Ser. No. 484,391. CHICAGO PHARMACAL COMPANY, Chicago, Ill. Filed June 11, 1945.

HYPNALDYNE

FOR NERVE SEDATIVE AND ANTISPASMODIC.
Claims use since Aug. 1, 1944.

Ser. No. 484,486. DIXIE DISINFECTING CO., Dallas, Tex. Filed June 13, 1945.

Dixie Rat Killer

The words "Rat Killer" are disclaimed apart from "Dixie."
FOR PREPARATION FOR EXTERMINATING RATS AND MICE.
Claims use since June 1942.

Ser. No. 484,537. WILLIAM P. MCCONNELL, doing business as McConnell Product Co., Washington, D. C. Filed June 14, 1945.

ARMICIDE

FOR TOILET POWDER FOR USE AS A DEODORANT.
Claims use since Apr. 9, 1945.

Ser. No. 484,793. THE MEARL CORPORATION, New York, N. Y. Filed June 20, 1945.

5
MEARLFOAM

FOR HYDROLYZED PROTEIN CONTAINING IRON SALTS FOR USE IN PRODUCING FIRE EXTINGUISHING MECHANICAL FOAM.
Claims use since Sept. 17, 1944.

Ser. No. 484,812. SPECIFIC PHARMACEUTICALS, INC., New York, N. Y. Filed June 20, 1945.

HISCORBATE

FOR HISTIDINE ASCORBIC ACID AMPULE INJECTION FOR USE IN THE TREATMENT OF GASTRIC ULCERS.
Claims use since June 1, 1945.

Ser. No. 484,929. BELLIN'S WONDERSTOEN COMPANY, New York, N. Y. Filed June 23, 1945.

WONDERSTOEN

FOR PREPARATION FOR REMOVING HAIR.
Claims use since July 1, 1908.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 474,077. HARBOR PLYWOOD CORPORATION, Hoquiam, Wash. Filed Sept. 11, 1944.

SUPER-Harbord

No registration rights are claimed for the word "Harbord" apart from the mark as shown.
FOR PLYWOOD.
Claims use since Dec. 3, 1936.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 464,498. AIRCRAFT STANDARD PARTS COMPANY, Rockford, Ill. Filed Oct. 29, 1943.

Aero-Seal

The word "Seal" apart from the mark as shown is hereby disclaimed.
FOR HOSE CLAMPS OF THE TYPE USED FOR OIL, GASOLINE, AND COOLANT HOSE CONNECTIONS ON AIRCRAFT.
Claims use since Feb. 1, 1943.

Ser. No. 483,553. SIDNEY S. ROBERTS, Long Island City, N. Y. Filed May 18, 1945.

ZIPPERTORIUM

No claim is made to the representation of the goods apart from the mark as shown.
FOR SLIDE FASTENERS.
Claims use since Apr. 4, 1945.

Ser. No. 483,875. RITE-WAY PRODUCTS COMPANY, Chicago, Ill. Filed May 28, 1945.

SANI-MATIC

FOR STALL COCKS.
Claims use since May 21, 1945.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 477,333. LITHALOYS CORPORATION, New York, N. Y. Filed Dec. 8, 1944.

LITHALOYS

FOR METALS AND ALLOYS—NAMELY, LITHIUM METAL, ALLOYS OF TELLURIUM AND COPPER, AND ALLOYS OF LITHIUM WITH THE FOLLOWING METALS SINGLY OR IN COMBINATION, TO WIT, ALUMINUM, MAGNESIUM, CALCIUM, MANGANESE, SILVER, COPPER, SILICON, ZINC, LEAD, TIN, CADMIUM, MERCURY, AND BISMUTH.
Claims use since Oct. 24, 1944.

CLASS 15

OILS AND GREASES

Ser. No. 480,610. OAKES & Co., also doing business as Tru-Test, Chicago, Ill. Filed Mar. 7, 1945.

VALKEEN

FOR LUBRICATING OILS AND GREASES, GASOLINE, KEROSENE, BENZINE, NAPHTHA CANDLES, MOTOR FLUSHING OIL, AND PENETRATING OIL.
Claims use since Sept. 15, 1944.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 480,201. L. SONNEBORN SONS, INC., New York, N. Y. Filed Feb. 24, 1945.

**FLOOR LIFE
CLEANER**

The word "Cleaner" is disclaimed apart from the mark.
FOR PREPARATION FOR REMOVING VARNISH FROM FLOORS, WHICH PREPARATION ALSO REMOVES WAX.
Claims use since 1930.

Ser. No. 480,611. OAKES & Co., also doing business as Tru-Test, Chicago, Ill. Filed Mar. 7, 1945.

VALKEEN

FOR READY-MIXED PAINTS, VARNISHES, PAINT ENAMELS, LACQUER, PREPARED SHELLAC, ROOF COATINGS IN THE NATURE OF PAINT, ALUMINUM PAINT, PUTTY, CRACK FILLER, TIRE PAINT; FLOOR, WOODWORK AND FURNITURE POLISH AND WAX; ASPHALT PAINT, CASEIN PAINT, WATER PAINT, PAINTERS' WALL SIZE, TURPENTINE, AND LINSEED OIL.

Claims use since Sept. 15, 1944.

Ser. No. 482,399. HAROLD L. SCHAFER, doing business as Gold Seal Co., Bismarck, N. Dak. Filed Apr. 20, 1945.

**GOLD
SEAL**

FOR FURNITURE POLISH.
Claims use since Jan. 2, 1945.

Ser. No. 483,121. SPENCER-ADAMS PAINT COMPANY, Atlanta, Ga. Filed May 8, 1945.

Spenada

FOR PAINT ENAMELS.
Claims use since Apr. 18, 1945.

Ser. No. 483,654. CLYDE D. CHAPMAN, doing business as Buqueseal Company, Spokane, Wash. Filed May 22, 1945.

BUQUSEAL

FOR LIQUID CLEANING, GLAZING, AND POLISHING MATERIAL FOR AUTOMOBILES, FURNITURE, HARDWOOD FLOORS AND OTHER FINISHED SURFACES.

Claims use since Apr. 3, 1945.

CLASS 17 TOBACCO PRODUCTS

Ser. No. 484,205. LANE TOBACCO, LTD., New York, N. Y. Filed June 6, 1945.

ERINGOLD

FOR SMOKING TOBACCO.
Claims use since March 1945.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 480,744. THE DURIRON COMPANY, INC., Dayton, Ohio. Filed Mar. 10, 1945.

DURCO

FOR BATTERIES AND PARTS THEREOF, ELECTROPLATING AND ELECTROLYTIC EQUIPMENT INCLUDING ELECTRODES, ELECTRICAL FANS AND ELECTRICAL HEAT EXCHANGERS, ALL SUCH PARTS BEING INTENDED TO BE USED IN CONTACT WITH CORROSIVE LIQUIDS OR IN CORROSIVE ATMOSPHERE.

Claims use since January 1945.

Ser. No. 481,571. THE CAPACITRON COMPANY, Chicago, Ill. Filed Mar. 31, 1945.

CAPACITRON

FOR ELECTRICAL CONDENSERS AND CAPACITORS.

Claims use since Aug. 21, 1943.

Ser. No. 482,322. THE GIRDLER CORPORATION, Louisville, Ky. Filed Apr. 19, 1945.

RED HEAD

FOR APPARATUS FOR PRODUCING HIGH FREQUENCY ELECTRIC CURRENTS AND HIGH FREQUENCY ELECTRIC AND MAGNETIC FIELDS AND APPARATUS FOR UTILIZING SUCH CURRENTS AND FIELDS IN THE HEATING OR OTHER TREATMENT OF MATERIALS.

Claims use since Mar. 6, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 479,124. HARVEY MACHINE CO., INC., Los Angeles, Calif. Filed Jan. 29, 1945.

Harcraft

FOR TOY BOATS AND TOY AIRPLANES.
Claims use since Jan. 27, 1944.

Ser. No. 482,110. MEVI INCORPORATED, New York, N. Y. Filed Apr. 18, 1945.



The representation of the checkerboard is disclaimed apart from the mark as shown.
FOR GAME BOARDS.
Claims use since July 3, 1944.

Ser. No. 482,570. L. A. GOODMAN MANUFACTURING COMPANY, Chicago, Ill. Filed Apr. 25, 1945.

"BOBBIN"

FOR DOLLS MADE OF PLASTIC MATERIAL AND TABLE TENNIS BALLS.
Claims use since Jan. 1, 1945.

Ser. No. 484,470. GROVER B. TURNER, Indianapolis, Ind. Filed June 12, 1945.

Carrol-Lina

FOR DOLLS.
Claims use since Apr. 21, 1945.

Ser. No. 485,731. LITTLE ELMER TOY COMPANY, Eau Claire, Wis. Filed July 12, 1945.

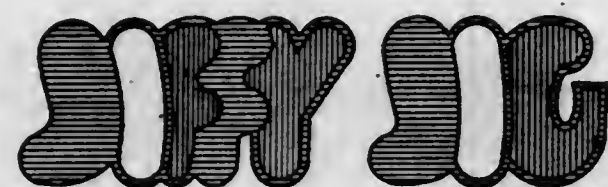
**LITTLE
ELMER**

FOR ASSEMBLY TOYS EACH CONSISTING OF A NUMBER OF PIECES ADAPTED TO BE ASSEMBLED INTO VARIOUS TOY OBJECTS.
Claims use since Dec. 25, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 476,072. MONARCH GOVERNOR COMPANY, Detroit, Mich. Filed Nov. 3, 1944.



The letters of the mark are lined to indicate the colors blue and red. The word "Jig" is disclaimed apart from the mark shown.

FOR JIGS, FIXTURES, CHUCKS, VISES, COLLETS, AND WORK HOLDERS FOR USE IN MACHINING OPERATIONS.

Claims use since Oct. 23, 1944.

Ser. No. 477,924. FEDERAL ELECTRIC COMPANY, INC., Chicago, Ill. Filed Dec. 26, 1944.



FOR OIL WELL DRILLING BITS, WRENCHES, PIPE THREADERS AND TRIMMERS, NON-ELECTRIC SIRENS, EXHAUST AND AIR WHISTLES AND APPLIANCES THEREFOR.

Claims use on oil well drilling bits, wrenches, pipe threaders and trimmers, since March 1941; on non-electrical sirens, and appliances therefor, since July 1932; on exhaust whistles, and appliances therefor, since June 1942; and on air whistles, and appliances therefor, since July 1929.

Ser. No. 479,440. THE OSBORN MANUFACTURING COMPANY, Cleveland, Ohio. Filed Feb. 5, 1945.

ECONOMY

FOR BRUSHES USED AS MACHINES ACCESSORIES, BRUSHES MADE FROM WIRE FOR MOUNTING UPON SHAFTING, ROTARY BRUSHES FOR POLISHING AND CLEANING, AND SECTIONS AND PARTS OF SUCH BRUSHES.

Claims use since 1896.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 479,482. MELVIN DAVID JOYCE, Saginaw, Mich. Filed Feb. 6, 1945.

"GOODHOUSEKEEPER"

"A"

FOR CLOTHES LINE REELS.
Claims use since September 1944.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 480,280. CARL DUDLEY, doing business as Carl Dudley Productions, Beverly Hills, Calif. Filed Feb. 27, 1945.



Applicant is the owner of Reg. No. 220,054. No claim is made to the word "Screen" except as shown.
FOR MOTION PICTURE PRODUCTIONS.
Claims use since Jan. 26, 1945.

Ser. No. 482,235. AMERICAN AUTOMATIC TYPEWRITER CO., Chicago, Ill. Filed Apr. 17, 1945.

NAVITRAINER

FOR POWER OPERATED AVIATION TRAINING APPARATUS, IN WHICH THE TRAINEE SUBJECTS HIMSELF TO MOST OF THE CONDITIONS OF ACTUAL FLIGHT, BY HIS OPERATION OF CONTROLS WHICH PRODUCE SIMULATIONS OF THE COUNTERPARTS OF ACTUAL FLIGHT.

Claims use since June 1943.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 484,126. JEAN R. GRAEF, INC., New York, N. Y. Filed June 4, 1945.

FOUNDER'S

FOR WATCH MOVEMENTS AND WRIST AND POCKET WATCHES.

Claims use since May 15, 1945.

Ser. No. 484,192. COLUMBIA EASTERN CORPORATION, New York, N. Y. Filed June 6, 1945.

BARONG TAGALOG

FOR WATCHES AND CLOCKS.
Claims use since May 1944.

Ser. No. 484,193. COLUMBIA EASTERN CORPORATION, New York, N. Y. Filed June 6, 1945.

ESTRELLA

FOR WATCHES AND CLOCKS.
Claims use since May 1944.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 474,845. AMERICAN INSIGNIA COMPANY, New York, N. Y. Filed Oct. 3, 1944.

Lapelettes

FOR INSIGNIA AND EMBLEMS MADE FROM STERLING SILVER AND GOLD.
Claims use since July 13, 1944.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 483,708. ANTHONY F. WIRTH, Cleveland, Ohio. Filed May 23, 1945.



FOR PAINT BRUSHES.
Claims use since Mar. 15, 1945.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 481,419. MOFFATS LIMITED, Town of Weston, Ontario, Canada. Filed Mar. 28, 1945.



FOR REFRIGERATING APPARATUS—NAMELY, REFRIGERATOR CABINETS, REFRIGERATING UNITS, COMPLETE REFRIGERATORS AND PARTS THEREOF, AND ACCESSORIES THEREFOR—NAMELY, CRISPERS.

Claims use since 1930.

Ser. No. 483,524. GENERAL AIRCRAFT EQUIPMENT, INC., South Norwalk, Conn. Filed May 18, 1945.

JETCUBE

FOR ELECTRICAL AND MECHANICAL REFRIGERATORS AND PARTS THEREOF; EVAPORATOR UNITS FOR REFRIGERATING APPARATUS; ICE CUBE MAKING AND DISPENSING APPARATUS AND PARTS THEREOF; REFRIGERATOR CABINETS; AND CABINETS FOR ICE CUBE MAKING AND DISPENSING APPARATUS.

Claims use since May 1, 1945.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 479,411. NATHAN S. ANCELL, New York, N. Y. Filed Feb. 5, 1945.

THE YANKEE WHITTLERS

FOR FURNITURE—NAMELY, BEDS, CHESTS, CHAIRS, AND TABLES, MAGAZINE RACKS, DRESSERS, MIRRORS, DESKS, NIGHT TABLES, VANITY TABLES, BENCHES, DESK CHESTS, BUNK BEDS, OCCASIONAL TABLES, SOFAS, CLOTHES RACKS, CORNER RACKS, FOOTSTOOLS, WALL RACKS, CURIO CABINETS, AND BOOK CASES.

Claims use since Nov. 30, 1944.

Ser. No. 484,359. REMINGTON RAND INC., Buffalo, N. Y.
Filed June 9, 1945.

FLEXIFILE

The word "File" is disclaimed apart from the mark.
FOR FILING RACKS FOR CORRESPONDENCE AND
THE LIKE.

Claims use since Sept. 9, 1915.

Ser. No. 484,426. ROSE-DERRY COMPANY, Newton, Mass.
Filed June 11, 1945.

Crib Paddy

The word "Crib" is disclaimed apart from the mark as
shown.

FOR BUMPER AND DRAFT GUARDS FOR THE
SIDES OF CRIBS.

Claims use since May 14, 1945.

Ser. No. 485,721. CARR, ADAMS & COLLIER COMPANY,
Dubuque, Iowa. Filed July 12, 1945.

GLI-DOIR

FOR KITCHEN CABINETS.
Claims use since May 23, 1945.

CLASS 34

HEATING, LIGHTING, AND VENTILATING
APPARATUS

Ser. No. 470,303. GENERAL WATER HEATER CORPORATION,
Burbank, Calif. Filed May 16, 1944.

DeLuxe

FOR WATER HEATERS, AUTOMATIC AND NON-
AUTOMATIC, OPERATED EITHER BY GAS OR ELEC-
TRICITY.

Claims use since October 1920.

Ser. No. 470,304. GENERAL WATER HEATER CORPORATION,
Burbank, Calif. Filed May 16, 1944.

Supreme

FOR WATER HEATERS, AUTOMATIC AND NON-
AUTOMATIC, OPERATED EITHER BY GAS OR ELEC-
TRICITY.

Claims use since December 1922.

CLASS 37

PAPER AND STATIONERY

Ser. No. 468,443. EASTERN CORPORATION, Brewer, Maine.
Filed Mar. 20, 1944.

NOTEWORTHY BOND

Applicant disclaims the word "Bond" apart from the
mark shown.

FOR WRITING, PRINTING, AND PAPETERIE
PAPERS.

Claims use since Jan. 14, 1944.

Ser. No. 475,447. MARY MUFFET, INC., St. Louis, Mo.
Filed Oct. 18, 1944.



The word "Incorporated" is disclaimed apart from the
mark shown. The name "Muffet" which appears on the
drawing as a part of the applicant's mark is derived from
the well known nursery rhyme "Little Miss Muffet" and is
intended to indicate the nursery character in that rhyme.

FOR PAPER CARDBOARD FOLDERS USED TO EN-
CLOSE AND HOLD PACKAGES OF CIGARETTES.

Claims use since Sept. 16, 1943.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 482,918. V. BRUSH, Englewood, N. J. Filed May
3, 1945.

TELE-TECH

FOR PUBLICATION ISSUED PERIODICALLY THE
SUBJECT MATTER OF WHICH RELATES TO TELE-
COMMUNICATIONS TECHNOLOGY, ELECTRONIC
TELEVISION, BROADCASTING, RADAR AND AVIA-
TION RADIO, AND SIMILAR SUBJECTS.

Claims use since Apr. 19, 1945.

Ser. No. 483,389. FREDERIC H. STROM, New York, N. Y.
Filed May 15, 1945.

NABIROL

FOR NATURAL BIRTH CONTROL CALENDARS.
Claims use since July 14, 1943.

Ser. No. 483,624. KODAK MEXICANA, LTD., Rochester,
N. Y., and Mexico City, Mexico. Filed May 21, 1945.

INSTANTANEAS

FOR ILLUSTRATED PHOTOGRAPHIC MAGAZINES.
Claims use since Feb. 28, 1937.

Ser. No. 484,974. THE PREMIUM SERVICE CO. INC., New
York, N. Y. Filed June 23, 1945.

Young King Cole

FOR PERIODICAL—NAMELY, A COMIC MAGAZINE
WHICH INCLUDES PICTORIAL STRIPS AND/OR CAR-
TOONS AND/OR STORIES.

Claims use since June 20, 1945.

Ser. No. 485,070. B. T. BABBITT, INC., Albany and New
York, N. Y. Filed June 27, 1945.

AUNT POLLY'S

FOR GREETING CARDS.
Claims use since June 1941.

CLASS 39

CLOTHING

Ser. No. 476,386. EMPIRE SPORTING GOODS MANUFACTUR-
ING CO., INC., New York, N. Y. Filed Nov. 13, 1944.

EMPIRE

FOR FOOTBALL PANTS, FOOTBALL HELMETS, AND
ICE HOCKEY PANTS.

Claims use since Sept. 1, 1930.

Ser. No. 481,221. GENERAL SHOE CORPORATION, Nashville,
Tenn. Filed Mar. 23, 1945.

Califortunettes

FOR MEN'S, WOMEN'S, AND CHILDREN'S SHOES
MADE OF LEATHER, FABRIC, AND COMBINATIONS
THEREOF.

Claims use since Mar. 1, 1945.

Ser. No. 481,859. MARJORIE G. RHEINSTROM, Great Neck,
N. Y. Filed Apr. 7, 1945.

TOE-MITS

No claim is made to the word "Toe" apart from the mark
as shown.

FOR TOE COVERS.

Claims use since Mar. 28, 1945.

Ser. No. 482,139. FASHION PARK, INC., Rochester, N. Y.
Filed Apr. 14, 1945.

ANGORRAN

FOR COATS, VESTS, PANTS, AND OVERCOATS FOR
MEN AND BOYS.

Claims use since Mar. 15, 1931.

Ser. No. 482,772. ISRAEL M. WERBIN, doing business as
Werbin Shoe Co., Los Angeles, Calif. Filed Apr. 28,
1945.

Cal-Walkers

Applicant disclaims the word "Cal" except in the relation
and association shown.

FOR MEN'S, WOMEN'S, AND CHILDREN'S SHOES OF
LEATHER, RUBBER, COMPOSITION, AND COMBINA-
TIONS THEREOF.

Claims use since Jan. 24, 1945.

Ser. No. 483,136. SEYMOUR GREAN & Co., INC., New York,
N. Y. Filed May 9, 1945.

KAJOOK

FOR WOMEN'S AND CHILDREN'S FUR COATS,
CAPES, SCARFS, MUFFS, NECK-PIECES, COLLARS,
JACKETS, CHOKERS, HOODS, HATS, AND GLOVES.

Claims use since Apr. 16, 1945.

Ser. No. 483,261. LILLIAN FISHER, doing business as Fair-
hue Sportswear Co., New York, N. Y. Filed May 12,
1945.

Fairhue

FOR MEN'S AND BOYS' SPORTSWEAR—NAMELY,
SWEATERS, OUTER SHIRTS, SLACKS, AND MUF-
FLERS.

Claims use since Mar. 1, 1945.

Ser. No. 483,777. JOHN MACKSOD COMPANY, New York,
N. Y. Filed May 25, 1945.



The word "Prints" is disclaimed apart from the mark
as shown.

FOR HANDKERCHIEFS.

Claims use since Oct. 1, 1943.

Ser. No. 484,281. VAN RAALTE COMPANY, INC., New York, N. Y. Filed June 7, 1945.

STRYPLINGS

FOR WOMEN'S, MISSES', AND CHILDREN'S UNDERWEAR.
Claims use since July 30, 1934.

Ser. No. 484,434. WILSON BROTHERS, Chicago, Ill. Filed June 11, 1945.

Cristol-Ray

FOR MEN'S DRESS AND SPORT SHIRTS.
Claims use since September 1943.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 483,985. RAYTRON FABRICS INC., New York, N. Y. Filed May 30, 1945.

RAYTRON

FOR PIECE GOODS OF COTTON, RAYON, WOOL, AND MIXTURES THEREOF.
Claims use since December 1944.

Ser. No. 484,290. BLUE RIDGE TEXTILE CO. INC., Bangor, Pa. Filed June 8, 1945.



No claim is made to the word "fabric" apart from the mark as shown.

FOR KNITTED PIECE GOODS MADE OF COTTON, ACETATE RAYON, AND COMBINATIONS THEREOF.
Claims use since May 11, 1945.

Ser. No. 484,346. INTERSTATE DRY GOODS SYNDICATE, Huntington, W. Va. Filed June 9, 1945.

"Invitation"

FOR SHEETS, PILLOW CASES, TABLE LINENS, TOWELS, BEDSPREADS.
Claims use since May 2, 1945.

Ser. No. 484,918. UNIQUE FIBERS, INC., New York, N. Y. Filed June 22, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

Blendlok

FOR PIECE GOODS FABRICATED FROM MIXTURES OF RAYON AND FUR, AND RAYON, FUR, AND WOOL.
Claims use since Aug. 10, 1944.

Ser. No. 485,811. BELGORUGS INC., New York, N. Y. Filed July 14, 1945.

BELGORUGS

FOR CARPETS AND RUGS.
Claims use since June 4, 1945.

Ser. No. 486,354. CREST FABRICS CORP., New York, N. Y. Filed July 27, 1945.

TAILSPIN

FOR TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, PROTEIN FIBRES AND MIXTURES THEREOF.
Claims use since Apr. 20, 1943.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 463,820. ROY MCCLURE PATTERSON, doing business under the name of the Ack-Roy-Lyne Laboratories, Detroit, Mich. Filed Oct. 1, 1943.

Ack-Roy-Lyne



The illustration showing treatment of a denture is disclaimed apart from the mark as shown.
FOR DENTURE REFITTING OR LINING MATERIAL.
Claims use since December 1942.

Ser. No. 474,344. NATIONAL STAMPING & ELECTRIC WORKS, Chicago, Ill. Filed Sept. 18, 1944.

WHITE CROSS

FOR ELECTRIC HEATING PADS, ELECTRIC HAIR DRYERS, ELECTRIC VIBRATORY OUTFITS, ELECTRIC THERAPEUTIC BATTERIES, AND VIOLET RAY MACHINES.

Claims use on electric heating pads, electric hair dryers, electric vibratory outfits, and electric therapeutic batteries since 1913; and on violet ray machines since 1920.

Ser. No. 474,481. CORNING GLASS WORKS, Corning, N. Y. Filed Sept. 22, 1944.



The trade-mark consists of the fanciful representation of a man in the act of blowing glass.

FOR THE FOLLOWING GLASS ARTICLES: SUPPORTS FOR DENTAL TUMBLERS, SHIELDS FOR DENTAL TUMBLERS, DENTAL SPRAY BOTTLES, DENTAL CUSPIDORS, DENTAL TABLE TOPS, AND NURSING BOTTLES.
Claims use since 1880.

Ser. No. 478,498. COLUMBIAN STEEL TANK COMPANY, Kansas City, Mo. Filed Jan. 11, 1945.



The word "Tanks" is disclaimed except as shown.
FOR RESPIRATORS.
Claims use since Jan. 15, 1936.

Ser. No. 483,198. NIAGARA UNITS, INC., New York, N. Y. Filed May 10, 1945.

GYRO-WAVE

No registration rights for the word "Wave" apart from the mark are claimed.

FOR THERAPEUTIC APPARATUS FOR IMPARTING GYRATORY IMPULSE TO THE HUMAN BODY.
Claims use since Apr. 6, 1945.

Ser. No. 484,473. M. WAHL & SON, doing business as Wahlson Co., New York, N. Y. Filed June 12, 1945.

'Thermogetic' STEAMERS

FOR PADS USED IN PERMANENT HAIR WAVING.
Claims use since Mar. 1, 1945.

Ser. No. 484,745. IRVING KANTOR, doing business as Kantor Surgical Co., New York, N. Y. Filed June 19, 1945.



The lining shown on the drawing is used for shading purposes only.

FOR PTOSIS SUPPORTS, SACRO-ILIAC SUPPORTS, ABDOMINAL SUPPORTS, AND POST OPERATIVE SUPPORTS.
Claims use since 1931.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 482,775. ISIDOR ADLER, doing business as California Beverage Co., Baltimore, Md. Filed Apr. 30, 1945.

Ca Be

FOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS, AND FLAVORS USED IN MAKING THE SAME.

Claims use since June 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 471,165. NEDICK'S STORES, INC., New York, N. Y.
Filed June 12, 1944.

Nedick's

The trade-mark "Nedick's" is a coined term made up from the first two letters of the name "Neeley" and the first syllable "Dick" of the name "Dickinson." Messrs. Neeley and Dickinson were associated in the business of applicant's predecessor. The applicant is the owner of United States trade-mark registrations No. 107,900, of Jan. 4, 1916, No. 108,387, of Feb. 8, 1916, No. 342,017, of Dec. 29, 1936, and No. 342,018, of Dec. 29, 1936.

FOR MEAT PRODUCTS—NAMELY, COOKED FRANKFURTERS AND FRANKFURTER SANDWICHES, RAW HAMBURGERS, COOKED HAMBURGERS, AND HAMBURGER SANDWICHES; BAKERY PRODUCTS—NAMELY, BREADS, DOUGHNUTS, ROLLS, CAKES, AND PASTRIES; COFFEE, TEA, CHOCOLATE FOR BEVERAGE PURPOSES, AND CANDY.

Claims use since May 10, 1944.

Ser. No. 472,570. LOUISIANA STATE RICE MILLING COMPANY, INC., Abbeville, La. Filed July 24, 1944.

**WATER
MAID**

Applicant is the owner of Reg. No. 214,095.
FOR RICE.
Claims use since Sept. 25, 1925.

Ser. No. 484,028. KRAMBO FOOD STORES, INCORPORATED, Oshkosh, Wis. Filed May 31, 1945.



The representation of the boy is fanciful.
FOR WHEAT FLOUR.
Claims use since Dec. 14, 1943.

Ser. No. 484,410. THE KENNEL FOOD SUPPLY COMPANY, Fairfield, Conn. Filed June 11, 1945.

K.F.S.

FOR DOG BISCUITS, CANNED DOG FOOD, AND DOG MEAL.
Claims use since 1904.

Ser. No. 484,513. WINCKLER & SMITH CITRUS PRODUCTS COMPANY, Anaheim, Calif. Filed June 13, 1945.

ANAGOLD

FOR CANNED CITRUS JUICES.
Claims use since May 18, 1945.

Ser. No. 485,080. GOLDEN WEST PRODUCTS CO. INC., Los Angeles, Calif. Filed June 27, 1945.

WONDER LADE

FOR FRUIT CONSERVE.
Claims use since Jan. 15, 1936.

Ser. No. 485,093. RALPH E. MYERS, doing business as Ralph E. Myers Co., Salinas, Calif. Filed June 27, 1945.

MAGIC CARPET

FOR FRESH VEGETABLES.
Claims use since June 14, 1945.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 480,742. COMPANIA LICORERA AGABAMA, S. A., Habana, Cuba. Filed Mar. 10, 1945.



All of the notations, except "Manita" and the monogram "CLA" are disclaimed apart from the mark shown on the drawing. No claim is made to the representation of the label per se.

FOR RUM.
Claims use since Mar. 31, 1944.

Ser. No. 484,282. VIDAL DISTILLED LIQUORS INC., San Juan, Puerto Rico. Filed June 7, 1945.



FOR RUM.
Claims use since Feb. 27, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

SEPTEMBER 25, 1945

416,603. BATHING SUITS; BATHING CAPS; CAPS FOR MEN AND BOYS; HOSIERY; GLOVES OF LEATHER, FABRIC, OR RUBBER; SLIPS; UNDERSHIRTS AND UNDERDRAWERS; AND CORSETS, GIRDLES, BRASSIERES, AND APRONS MADE OF RUBBER AND TEXTILE MATERIALS. ALBERT C. FISCHER, doing business as Serviced Products Company, Chicago, Ill.
Filed April 16, 1943. Serial No. 459,926. PUBLISHED JUNE 26, 1945. Class 39.

416,604. WINDOW SHADES AND ROLLERS. THE WESTERN SHADE CLOTH COMPANY, Chicago, Ill.
Filed May 15, 1943. Serial No. 460,862. PUBLISHED JULY 17, 1945. Class 32.

416,605. PAMPHLETS OR CATALOGS DISTRIBUTED BY THE MEMBERS OF SAID ASSOCIATION. NATIONAL GLASS DISTRIBUTORS ASSOCIATION, Chicago, Ill.
Filed July 1, 1943. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 461,803. PUBLISHED JULY 3, 1945. Class 38.

416,606. MEDICAL PREPARATION—NAMELY, ALUMINUM HYDROXIDE GEL, FOR USE AS AN ANTACID AND ADSORBENT. PHYSICIANS & HOSPITALS SUPPLY CO., INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn.
Filed August 7, 1943. Serial No. 462,592. PUBLISHED JANUARY 4, 1944. Class 6.

416,607. CHOCOLATE FOOD SUPPLEMENT CONTAINING VITAMINS. VITAMIN-ERG CO., INC., New York, N. Y.
Filed August 30, 1943. Serial No. 463,111. PUBLISHED JULY 3, 1945. Class 6.

416,608. SOAP. LANMAN & KEMP-BARCLAY & CO. INCORPORATED, New York, N. Y.
Filed September 3, 1943. Serial No. 463,207. PUBLISHED JULY 17, 1945. Class 4.

416,609. INTERNAL COMBUSTION ENGINE, ELECTRIC GENERATOR UNITS AND ELECTRIC LIGHTING PLANTS. CLIMAX ENGINEERING COMPANY, Clinton, Iowa, assignor to General Finance Corporation, Chicago, Ill., a corporation of Michigan.
Filed October 2, 1943. Serial No. 463,884. PUBLISHED JULY 17, 1945. Class 21.

416,610. ELECTRIC WELDING TORCHES. THE LINDE AIR PRODUCTS COMPANY, New York, N. Y.
Filed October 11, 1943. Serial No. 464,053. PUBLISHED JUNE 17, 1945. Class 21.

416,611. SUN TAN LIQUID. WALGREEN CO., Chicago, Ill.
Filed October 25, 1943. Serial No. 464,406. PUBLISHED JANUARY 11, 1944. Class 6.

416,612. PREFABRICATED METAL STRUCTURAL SHAPES AND SHEETS FOR CONSTRUCTING BOXES, SHIPPING CASES AND BINS. LINDSAY & LINDSAY, Chicago, Ill.
Filed November 4, 1943. Serial No. 464,703. PUBLISHED JULY 17, 1945. Class 2.

416,613. PREFABRICATED METAL STRUCTURAL SHAPES AND SHEETS FOR CONSTRUCTING BOXES, SHIPPING CASES AND BINS. LINDSAY & LINDSAY, Chicago, Ill.
Filed November 4, 1943. Serial No. 464,704. PUBLISHED JULY 17, 1945. Class 2.

416,614. PREFABRICATED METAL STRUCTURAL SHAPES AND SHEETS FOR CONSTRUCTING BOXES, SHIPPING CASES AND BINS. LINDSAY & LINDSAY, Chicago, Ill.
Filed November 4, 1943. Serial No. 464,705. PUBLISHED JULY 17, 1945. Class 2.

416,615. AUTOMATIC COAL STOKERS. FAIRBANKS, MORSE & CO., Chicago, Ill.
Filed November 24, 1943. Serial No. 465,254. PUBLISHED JULY 10, 1945. Class 34.

416,616. LAXATIVES. N. S. WEST, doing business as Mineralized Foods, Baltimore, Md.
Filed February 16, 1944. Serial No. 467,480. PUBLISHED JULY 10, 1945. Class 6.

416,617. PRINTS OF MECHANICAL DRAWINGS, ARCHITECT'S PLANS, AND LIKE DESIGNS. GRAPHIC ARTS CORPORATION OF OHIO, Toledo, Ohio.
Filed March 1, 1944. Serial No. 467,885. PUBLISHED JULY 3, 1945. Class 38.

416,618. ICE CREAM AND FROZEN DESSERTS. CHARLES F. THOMPSON, Fresno, Calif.
Filed April 7, 1944. Serial No. 469,133. PUBLISHED JULY 17, 1945. Class 46.

416,619. ADHESIVE CEMENTS. THE O'SULLIVAN RUBBER COMPANY, INC., Winchester, Va.
Filed April 11, 1944. Serial No. 469,236. PUBLISHED JULY 17, 1945. Class 5.

416,620. CLEANING COMPOUND IN POWDERED FORM FOR USE IN CLEANING MILK CANS. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed April 17, 1944. Serial No. 469,385. PUBLISHED JULY 10, 1945. Class 4.

416,621. MAKE-UP BASE. MINER'S, INC., New York, N. Y.
Filed April 18, 1944. Serial No. 469,439. PUBLISHED JULY 3, 1945. Class 6.

416,622. FACING AND CORE BINDER. WALTER C. CHEDIQ, doing business as Pacific Graphite Works, Oakland, Calif.
Filed April 25, 1944. Serial No. 469,664. PUBLISHED JULY 17, 1945. Class 1.

416,623. PADLOCKS. MASTER LOCK COMPANY, Milwaukee, Wis.
Filed April 28, 1944. Serial No. 469,778. PUBLISHED JUNE 26, 1945. Class 25.

416,624. HIGH CHAIRS, ROCKING CHAIRS, HARDWOOD CHAIRS, UPHOLSTERED ROCKERS, PLAY PENS, BABY CRIBS, CHAIR ROCKERS, DESK AND CHAIR SETS, TABLE AND TWO CHAIR SETS, AND OAK ROCKERS. WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo.
Filed May 3, 1944. Serial No. 469,920. PUBLISHED JULY 17, 1945. Class 32.

416,625. RUBBER HEELS AND SOLES FOR BOOTS AND SHOES. THE O'SULLIVAN RUBBER COMPANY, INC., Winchester, Va.
Filed May 4, 1944. Serial No. 469,938. PUBLISHED JULY 17, 1945. Class 39.

416,626. ELECTRICAL REFRIGERATORS. THE DICHLER CORPORATION, Greenville, Pa.
Filed May 8, 1944. Serial No. 470,019. PUBLISHED JULY 17, 1945. Class 31.

- 416,627. MIXTURE OF STOCK FEED CONSISTING OF YEAST IN THE FORM OF IRRADIATED YEAST AND DRIED YEAST CULTURE, AMERICAN WORM SEED, GENTIAN, AND FENUGREEK AND MINERALS. MIDWEST MINERAL COMPANY, Greenwood, Ind.
Filed May 20, 1944. Serial No. 470,458. PUBLISHED JULY 17, 1945. Class 46.
- 416,628. HOUSE ORGAN PUBLISHED FROM TIME TO TIME. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed June 17, 1944. Serial No. 471,360. PUBLISHED JULY 3, 1945. Class 38.
- 416,629. WOMEN'S AND CHILDREN'S PLAYSHOES, CASUAL SHOES, AND SLIPPERS, MADE OF LEATHER, FABRIC, OR A COMBINATION OF SUCH MATERIALS. ROSENBAUM COMPANY OF PITTSBURGH, Pittsburgh, Pa.
Filed June 21, 1944. Serial No. 471,488. PUBLISHED JUNE 26, 1945. Class 39.
- 416,630. PIPES, PIPE CASES, PIPE STANDS, COMBINATION HUMIDOR AND PIPE CASES, ETC. LANE TOBACCO LTD., New York, N. Y.
Filed June 22, 1944. Serial No. 471,528. PUBLISHED JULY 17, 1945. Class 8.
- 416,631. HAIRNETS. BYARD MANUFACTURING COMPANY, LIMITED, Nottingham, England
Filed July 5, 1944. Serial No. 471,922. PUBLISHED JULY 10, 1945. Class 39.
- 416,632. WRIST WATCH BRACELETS, AND BRACELETS NOT INCLUDING WATCHES, MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME. GEMEX COMPANY, Union Township, Union County, N. J.
Filed July 7, 1944. Serial No. 471,975. PUBLISHED JULY 17, 1945. Class 28.
- 416,633. MEN'S HATS, CAPS, SUITS, OVERCOATS, TOP COATS, SPORTS COATS, RAIN COATS AND NECKTIES; AND WOMEN'S BLOUSES, SPORT SHIRTS, COATS AND SUITS. WM. FINE'S SONS COMPANY, Boston, Mass.
Filed July 10, 1944. Serial No. 472,052. PUBLISHED JUNE 26, 1945. Class 39.
- 416,634. COLUMN IN A PERIODICAL PUBLISHED AT INTERVALS, AND THE CHARACTER OF THE SUBJECT-MATTER COVERED BY SAID COLUMN IS A VARIETY OF ITEMS OF INTEREST TO YOUNG WOMEN, SUCH AS BEAUTY, HOME FURNISHINGS, FASHIONS, TRAVEL, CAREER AND CURRENT EVENTS. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed July 12, 1944. Serial No. 472,160. PUBLISHED JULY 3, 1945. Class 38.
- 416,635. ENAMELED BOOK PAPER. THE MARTIN CANTINE COMPANY, Saugerties, N. Y.
Filed July 14, 1944. Serial No. 472,249. PUBLISHED JULY 17, 1945. Class 37.
- 416,636. LENS ADAPTERS, DARKROOM APRONS, CAMERAS, CAMERA CASES, DEVELOPING TANKS, DEVELOPING TRAYS, FILM DRIERS, PRINT DRIERS, ETC. GARLICK FILMS, LTD., Ottawa, Ontario, Canada.
Filed August 1, 1944. Serial No. 472,808. PUBLISHED JULY 17, 1945. Class 26.
- 416,637. LENS ADAPTERS, DARKROOM APRONS, CAMERAS, CAMERA CASES, DEVELOPING TANKS, DEVELOPING TRAYS, ETC. GARLICK FILMS, LTD., Ottawa, Ontario, Canada.
Filed August 1, 1944. Serial No. 472,809. PUBLISHED JULY 17, 1945. Class 26.

- 416,638. TUBULAR NETTING USED FOR LOWERING OBJECTS, PRIMARILY THE LOWERING OF DYNAMITE OR OTHER EXPLOSIVE CHARGES IN DRILL HOLES, THOUGH IT MAY BE USED FOR LOWERING OBJECTS FOR ANY PURPOSE. DETEX COMPANY, INC., Philadelphia, Pa.
Filed August 3, 1944. Serial No. 472,890. PUBLISHED JULY 10, 1945. Class 42.
- 416,639. CHEMICALS AND OILS USED FOR THE PROCESSING—NAMESLY, FINISHING, WATER-PROOFING, AND SOFTENING OF LEATHER AND FURS. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa.
Filed August 16, 1944. Serial No. 473,332. PUBLISHED JULY 17, 1945. Class 4.
- 416,640. PRINTED SCRIPTS PREPARED FOR TELECASTING. RKO TELEVISION CORPORATION, Dover, Del., and New York, N. Y.
Filed August 18, 1944. Serial No. 473,427. PUBLISHED JULY 3, 1945. Class 38.
- 416,641. PRINTED TECHNICAL CHARTS, TABLES, AND DRAWINGS, SOLD AS SUCH. BERCKER-YOUNG COMPANY, Milwaukee, Wis.
Filed August 24, 1944. Serial No. 473,557. PUBLISHED JULY 3, 1945. Class 38.
- 416,642. WRITING INK. THE PARKER PEN COMPANY, Janesville, Wis.
Filed September 11, 1944. Serial No. 474,090. PUBLISHED JULY 17, 1945. Class 11.
- 416,643. WRITING INK. THE PARKER PEN COMPANY, Janesville, Wis.
Filed September 11, 1944. Serial No. 474,091. PUBLISHED JULY 17, 1945. Class 11.
- 416,644. RAW SOLID AND LIQUID SYNTHETIC RESINS. SYNVAR CORPORATION, Wilmington, Del.
Filed September 11, 1944. Serial No. 474,103. PUBLISHED JULY 17, 1945. Class 1.
- 416,645. DOLLS. LOIS L. HENDON, Marion, Ala.
Filed September 20, 1944. Serial No. 474,411. PUBLISHED JULY 17, 1945. Class 22.
- 416,646. FACE POWDERS, PERFUMES, TOILET WATERS, ROUGES, LIPSTICKS, FACE CREAM, AND DUSTING POWDERS. PARFUMS SCHIAPARELLI, INC., New York, N. Y.
Filed September 21, 1944. Serial No. 474,460. PUBLISHED JULY 10, 1945. Class 6.
- 416,647. COTTON FIBRE FOR MACHINERY PACKING. CALLAWAY MILLS, La Grange, Ga.
Filed September 25, 1944. Serial No. 474,576. PUBLISHED JULY 17, 1945. Class 35.
- 416,648. MAGAZINES. MARY PAOLOZZI, doing business as The Navy Family Magazine, Whittier, Calif.
Filed September 26, 1944. Serial No. 474,635. PUBLISHED JULY 3, 1945. Class 38.
- 416,649. CONCENTRATES, A MIXTURE OF PRIMARY, SECONDARY AND TERTIARY ALCOHOLS, KETONES AND LACTONES FOR DISSOLVING GUM AND CARBON BINDING MATERIAL. CASPAR LUBRICANTS, INCORPORATED, New York, N. Y., assignor to Lawson Petroleum Corporation, New York, N. Y., a corporation of New York
Application October 3, 1944, Serial No. 474,847. PUBLISHED JULY 10, 1945. Class 6.
- 416,650. HAIR BOWS. A. EDWARD FUNKE & COMPANY, New York, N. Y.
Filed October 5, 1944. Serial No. 474,951. PUBLISHED JULY 17, 1945. Class 40.
- 416,651. TAMPONS. JAMES LESLIE YOUNGHUSBAND, Chicago, Ill.
Filed October 5, 1944. Serial No. 474,974. PUBLISHED JULY 17, 1945. Class 44.

- 416,652. TOILET WATERS, EAU DE COLOGNE, AND PERFUMES. HANS H. MASIE, New York, N. Y.
Filed October 11, 1944. Serial No. 475,212. PUBLISHED JUNE 26, 1945. Class 6.
- 416,653. MEN'S HATS. SCHOBLE HATS, INC., Philadelphia, Pa.
Filed October 13, 1944. Serial No. 475,304. PUBLISHED JUNE 26, 1945. Class 39.
- 416,654. MEN'S HATS. SCHOBLE HATS, INC., Philadelphia, Pa.
Filed October 13, 1944. Serial No. 475,306. PUBLISHED JULY 17, 1945. Class 39.
- 416,655. ATTACHABLE AND ADJUSTABLE ALL-PURPOSE TYPE LOCKS. EMANUEL H. WHITE, Chicago, Ill.
Filed October 13, 1944. Serial No. 475,311. PUBLISHED JULY 10, 1945. Class 25.
- 416,656. ORGANIC CHEMICALS WHICH ARE SULFIDES OF PHENOLS AND SUBSTITUTED PHENOLS, AND ARE USEFUL AS PLASTICIZERS, VULCANIZING AGENTS AND AGE RESISTERS IN THE MANUFACTURE OF RUBBER AND RUBBER PRODUCTS, AND FOR OTHER PURPOSES IN THE CHEMICAL ARTS. SHARPLES CHEMICALS INC., Philadelphia, Pa.
Filed October 16, 1944. Serial No. 475,876. PUBLISHED JULY 10, 1945. Class 6.
- 416,657. DENTAL INSTRUMENTS—NAMESLY, DIAMOND FILES AND ABRASIVE TOOLS HAVING DIAMONDS AS THEIR GRINDING SURFACES. ERNEST G. HUSBAND, doing business as Husband Dental Supply Co., Burbank, Calif.
Filed October 25, 1944. Serial No. 475,696. PUBLISHED JULY 17, 1945. Class 44.
- 416,658. MEN'S AND BOYS' SUITS, OVERCOATS, TOPCOATS, TROUSERS, SLACKS, SUMMER SUITS, DRESS SHIRTS, SPORT SHIRTS, LOUNGING ROBES, JACKETS, NECKTIES, ETC. TIMELY CLOTHES, INC., Rochester, N. Y.
Filed October 25, 1944. Serial No. 475,706. PUBLISHED JULY 10, 1945. Class 39.
- 416,659. APPARATUS FOR APPLYING THE RAYS OF RADIOACTIVE MATERIAL. CANADIAN RADIUM & URANIUM CORPORATION, New York, N. Y.
Filed October 27, 1944. Serial No. 475,749. PUBLISHED JULY 17, 1945. Class 44.
- 416,660. SPINDLES FOR HOLDING BALLS OF CROCHETING, TATTING OR KNITTING YARN, COTTON OR THE LIKE FOR HAND USE. VERNON F. GRAHAM, SR., Chester, Pa.
Filed October 30, 1944. Serial No. 475,847. PUBLISHED JULY 10, 1945. Class 40.
- 416,661. GARDEN HOSE AND FIRE HOSE. PIONEER RUBBER MILLS, San Francisco, Calif.
Filed November 1, 1944. Serial No. 475,977. PUBLISHED JULY 17, 1945. Class 35.
- 416,662. PASTRIES—NAMESLY, COOKIES, PLAIN, FILLED AND ICED, AND CHOCOLATES. SPO-PA, Providence, R. I.
Filed November 3, 1944. Serial No. 476,082. PUBLISHED JULY 17, 1945. Class 46.
- 416,663. DAILY NEWSPAPER. THE DERRICK PUBLISHING COMPANY, Oil City, Pa.
Filed November 6, 1944. Serial No. 476,150. PUBLISHED JULY 3, 1945. Class 38.
- 416,664. DAILY NEWSPAPER. THE DERRICK PUBLISHING COMPANY, Oil City, Pa.
Filed November 6, 1944. Serial No. 476,151. PUBLISHED JULY 3, 1945. Class 38.
- 416,665. WEEKLY NEWSPAPER. THE DERRICK PUBLISHING COMPANY, Oil City, Pa.
Filed November 6, 1944. Serial No. 476,152. PUBLISHED JULY 3, 1945. Class 38.

- 416,666. PIECE GOODS WHOLLY OR SUBSTANTIALLY WHOLLY OF WOOL. JOHN CROWTHER & SONS (MILNSBRIDGE) LIMITED, Huddersfield, Yorkshire, England.
Filed November 22, 1944. Serial No. 476,756. PUBLISHED JULY 3, 1945. Class 42.
- 416,667. NEWSPAPER CARTOON. THE HEARST CORPORATION, New York, N. Y.
Filed December 5, 1944. Serial No. 477,230. PUBLISHED JULY 3, 1945. Class 38.
- 416,668. TOILET SOAP. HELENE PESSL, INC., New York, N. Y.
Filed December 9, 1944. Serial No. 477,367. PUBLISHED MARCH 6, 1945. Class 4.
- 416,669. MERCHANDISE BAGS AND MERCHANDISE ENVELOPES MADE FROM TRANSPARENT, SEMI-TRANSPARENT, OPAQUE, AND/OR METALIZED KRAFT MATERIALS. TRAVER CORPORATION, Chicago, Ill.
Filed December 11, 1944. Serial No. 477,441. PUBLISHED JULY 17, 1945. Class 2.
- 416,670. LAMPS USED TO BURN A DEODORIZING CHEMICAL. RUBICON, doing business as The Antique Shoppe, New York, N. Y.
Filed December 14, 1944. Serial No. 477,585. PUBLISHED JULY 17, 1945. Class 44.
- 416,671. TEXTILE FABRICS IN THE PIECE—NAMESLY, ALL WOOL FLANNELS, FLANNELS MADE OF A MIXTURE OF WOOL AND RAYON, AND OF A MIXTURE OF WOOL AND ANY SYNTHETIC FIBERS, ETC. DUNN WOOLEN COMPANY, Martinsburg, W. Va.
Filed December 18, 1944. Serial No. 477,687. PUBLISHED JULY 10, 1945. Class 42.
- 416,672. COMIC NEWSPAPER FEATURE. CONSOLIDATED NEWS FEATURES, INC., New York, N. Y.
Filed December 19, 1944. Serial No. 477,733. PUBLISHED JULY 17, 1945. Class 38.
- 416,673. POULTRY FEEDS—NAMESLY, GROWING MASH, SCRATCH FEEDS, AND FATTENING MASHES. HILLTOP FARM FEED COMPANY, Minneapolis, Minn.
Filed January 6, 1945. Serial No. 478,325. PUBLISHED JULY 17, 1945. Class 46.
- 416,674. CHANGE PURSES. HAROLD & HAROLD, New York, N. Y.
Filed January 8, 1945. Serial No. 478,388. PUBLISHED JULY 3, 1945. Class 3.
- 416,675. SHOES AND SLIPPERS, MADE OF LEATHER, RUBBER, FABRIC, AND/OR ANY COMBINATIONS THEREOF. HERMAN CHAVES, doing business as Chaves Shoe Co., Boston, Mass.
Filed January 10, 1945. Serial No. 478,448. PUBLISHED JUNE 26, 1945. Class 39.
- 416,676. PLUG-IN LETTERS FOR EDUCATIONAL GAMES FOR CHILDREN. HOWARD SALES COMPANY, Council Bluffs, Iowa.
Filed January 10, 1945. Serial No. 478,455. PUBLISHED JULY 17, 1945. Class 22.
- 416,677. DIETARY SUPPLEMENT CONTAINING VITAMINS B₁, B₂ AND NIACIN. HAPPY DAY COMPANY, Inc., Lafayette, La.
Filed January 11, 1945. Serial No. 478,511. PUBLISHED JULY 10, 1945. Class 6.
- 416,678. SOAP AND SHAVING CREAM. JOHN T. STANLEY CO. INC., New York, N. Y.
Filed January 11, 1945. Serial No. 478,523. PUBLISHED JULY 17, 1945. Class 4.
- 416,679. OCCASIONAL BOXES AND SALT AND PEPPER SHAKERS MADE OF SYNTHETIC RESIN PLASTICS. CARBONITE PRODUCTS, Los Angeles, Calif.
Filed January 11, 1945. Serial No. 478,532. PUBLISHED JULY 17, 1945. Class 2.

- 416,680. TUMBLERS, SOAP DISHES, SOAP BOXES, CASTOR CUPS, CUPS, SAUCERS, COASTERS, BOWLS, TRAYS, ETC. POLARAY COMPANY, New York, N. Y.
Filed January 13, 1945. Serial No. 478,593. PUBLISHED JULY 17, 1945. Class 2.
- 416,681. THIMBLES, KNITTING NEEDLES, SPINDLES FOR HOLDING SPOOLS OF THREAD FOR USE IN ART NEEDLEWORK, ALL MADE OF PLASTICS MOLDED FROM POWDERED RESINS. POLARAY COMPANY, New York, N. Y.
Filed January 13, 1945. Serial No. 478,595. PUBLISHED JULY 17, 1945. Class 40.
- 416,682. INFLATIONS OR FLEXIBLE LININGS FOR THE SHELL OF A TEAT CUP ASSEMBLY FOR MILKING MACHINES. BABSON BROS. CO., Chicago, Ill.
Filed January 16, 1945. Serial No. 478,675. PUBLISHED JULY 17, 1945. Class 23.
- 416,683. SOLUTIONS, SUSPENSIONS AND EMULSIONS OF SYNTHETIC RESINS FOR USE IN THE TREATMENT OF TEXTILES AND OTHER FIBROUS MATERIALS TO IMPROVE OR MODIFY THE CHARACTERISTICS THEREOF, INCLUDING IMPROVING THE WATER REPELLENCY OF THE FIBERS. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed January 17, 1945. Serial No. 478,718. PUBLISHED JULY 3, 1945. Class 6.
- 416,684. BLACKCURRENT SYRUP PREPARED FOR MEDICINAL PURPOSES FOR THE PREVENTION AND TREATMENT OF CONDITIONS ASSOCIATED WITH VITAMIN "C" DEFICIENCY, PARTICULARLY HYPOVITAMINOSIS—C. H. W. CARTER & CO. LIMITED, Bristol, England.
Filed January 19, 1945. Serial No. 478,782. PUBLISHED JULY 3, 1945. Class 6.
- 416,685. CARBON PAPER AND TYPEWRITER RIBBONS. AGENCY PAPER COMPANY, New York, N. Y.
Filed January 20, 1945. Serial No. 478,796. PUBLISHED JULY 10, 1945. Class 11.
- 416,686. FIREARMS—NAMES, PISTOLS AND REVOLVERS. COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Hartford, Conn.
Filed January 22, 1945. Serial No. 478,859. PUBLISHED JULY 10, 1945. Class 9.
- 416,687. FIREARMS—NAMES, PISTOLS AND REVOLVERS. COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Hartford, Conn.
Filed January 22, 1945. Serial No. 478,860. PUBLISHED JULY 10, 1945. Class 9.
- 416,688. FACE POWDER, ROUGE AND LIPSTICK. ROBERT T. PLATE, doing business as Curly Lox Products, Detroit, Mich.
Filed January 22, 1945. Serial No. 478,898. PUBLISHED JULY 3, 1945. Class 6.
- 416,689. COMPACTS MADE OF PLASTIC MATERIALS AND BASE METALS AND SOLD IN TRADE EMPTY. ROBERT T. PLATE, doing business as Curly Lox Products, Detroit, Mich.
Filed January 22, 1945. Serial No. 478,899. PUBLISHED JULY 17, 1945. Class 2.
- 416,690. EMPTY TOILET CASES AND KITS, AND EMPTY MAKE-UP KITS, MADE OF LEATHER AND FABRIC. IVOR RICH, New York, N. Y.
Filed January 22, 1945. Serial No. 478,902. PUBLISHED JULY 17, 1945. Class 3.
- 416,691. CHEMICAL ANTIOXIDANT. SHELL UNION OIL CORPORATION, San Francisco, Calif.
Filed January 22, 1945. Serial No. 478,906. PUBLISHED JULY 10, 1945. Class 6.
- 416,692. SHELVES AND HANGERS FOR DOORS. WINNER INDUSTRIES, Minneapolis, Minn.
Filed January 24, 1945. Serial No. 478,982. PUBLISHED JULY 17, 1945. Class 32.

- 416,693. INDUSTRIAL FINISH PAINT ENAMEL FOR USE ON METALS. A. C. HORN COMPANY, Long Island City, N. Y.
Filed January 26, 1945. Serial No. 479,038. PUBLISHED JULY 10, 1945. Class 16.
- 416,694. DETERGENT PREPARATION FOR THE CLEANING OF FABRICS, WOODWORK, METALWORK, GLASSWARE AND CERAMICS. SHELL UNION OIL CORPORATION, San Francisco, Calif.
Filed January 26, 1945. Serial No. 479,052. PUBLISHED JULY 10, 1945. Class 4.
- 416,695. CANDY. FERDINAND DALO, Sr., doing business as F. Dalo, Sharon, Pa.
Filed January 29, 1945. Serial No. 479,112. PUBLISHED JULY 17, 1945. Class 46.
- 416,696. MEDICINAL COMPOUND USED TO INCREASE METABOLISM AND DECREASE OBESITY. PHILADELPHIA CAPSULE CO., INC., Philadelphia, Pa.
Filed February 1, 1945. Serial No. 479,301. PUBLISHED JULY 10, 1945. Class 6.
- 416,697. MEN'S AND LADIES' WALLETS, MEN'S LEATHER POCKET SECRETARIES AND KEY CASES. SUN SHOE MANUFACTURING COMPANY, Chicago, Ill.
Filed February 1, 1945. Serial No. 479,313. PUBLISHED JULY 17, 1945. Class 3.
- 416,698. LIQUID BLEACH. LICCO PACKING CO., INC., Merrick, N. Y.
Filed February 3, 1945. Serial No. 479,391. PUBLISHED JULY 3, 1945. Class 6.
- 416,699. LADIES' FOUNDATION GARMENTS—NAMELY, CORSETS, GIRDLES, ABDOMINAL BELTS (NOT SURGICAL), BRASSIERES, AND BAND-AIDS. EL-EE'S FOUNDATIONS, Newark, N. J.
Filed February 8, 1945. Serial No. 479,556. PUBLISHED JUNE 26, 1945. Class 39.
- 416,700. PERMANENT WAVING SOLUTIONS AND HAIR DRYING SOLUTIONS. EDGEM, Ltd., Brooklyn, N. Y.
Filed February 8, 1945. Serial No. 479,561. PUBLISHED JULY 3, 1945. Class 6.
- 416,701. COMBS. JOHN HUDSON MOORE, INC., New York, N. Y.
Filed February 9, 1945. Serial No. 479,637. PUBLISHED JULY 10, 1945. Class 40.
- 416,702. NECKLACES, BRACELETS, NOT INCLUDING WATCHES, RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, ETC. CORO, INC., New York, N. Y.
Filed February 10, 1945. Serial No. 479,665. PUBLISHED JULY 17, 1945. Class 28.
- 416,703. LIQUID HARD DRYING FINISH FOR FURNITURE. C-Z CHEMICAL COMPANY, Beloit, Wis.
Filed February 14, 1945. Serial No. 479,774. PUBLISHED JULY 10, 1945. Class 16.
- 416,704. CANDY. ROBERT A. JOHNSTON COMPANY, Milwaukee, Wis.
Filed February 17, 1945. Serial No. 479,941. PUBLISHED JULY 17, 1945. Class 46.
- 416,705. CORROSION RESISTANT PAINT. CORDO CHEMICAL CORPORATION, Norwalk, Conn.
Filed February 19, 1945. Serial No. 479,967. PUBLISHED JULY 10, 1945. Class 10.
- 416,706. SOAP FOR CLEANING AND POLISHING WINDOWS, MIRRORS, BRASS, COPPER, NICKEL, ZINC, ALUMINUM, AUTOMOBILE RADIATORS, WINDSHIELDS, BATHROOM FIXTURES, OIL CLOTH, LINOLEUM. HOWARD D. DAY, doing business as Day & Frick, Philadelphia, Pa.
Filed February 20, 1945. Serial No. 480,011. PUBLISHED JULY 3, 1945. Class 4.
- 416,707. RAYON PIECE GOODS, AND RAYON AND COTTON PIECE GOODS. GOLDENRO FABRICS, INC., New York, N. Y.
Filed February 20, 1945. Serial No. 480,019. PUBLISHED JULY 10, 1945. Class 42.

- 416,708. WELDING ELECTRODES, WHICH ARE CONSUMED IN THE WELDING OPERATION, WELDING, BRAZING AND SOLDERING OVERLAY ALLOYS, ETC. RENE D. WASSERMAN, doing business as Eutectic Welding Alloys Company, New York, N. Y.
Filed February 20, 1945. Serial No. 480,034. PUBLISHED JULY 10, 1945. Class 14.
- 416,709. RECTANGULARLY-SHAPED BOARD COMPOSED OF A SEMI-PLASTIC CELLULOSIC MATERIAL FOR USE BETWEEN THE SPRING AND MATTRESS IN BEDS AND COUCHES. KURSH PAPER COMPANY, Cleveland, Ohio.
Filed February 22, 1945. Serial No. 480,114. PUBLISHED JULY 17, 1945. Class 32.
- 416,710. AFTER-SHAVING LOTION, HAIR DRESSING, DEODORANT, TALCUM POWDER AND COLOGNE. LIONEL GORDON ROTHSCHILD, doing business as Lionel Gordon, Dallas, Tex.
Filed February 24, 1945. Serial No. 480,192. PUBLISHED JULY 10, 1945. Class 6.
- 416,711. MONTHLY MAGAZINE RELATING TO TELEVISION. MILTON B. SLEEPER, Great Barrington, Mass.
Filed February 24, 1945. Serial No. 480,198. PUBLISHED JULY 3, 1945. Class 38.
- 416,712. SOFT SOAP CONCENTRATE. L. SONNEBORN SONS, INC., New York, N. Y.
Filed February 24, 1945. Serial No. 480,207. PUBLISHED JULY 17, 1945. Class 4.
- 416,713. SELF-BUFFING LIQUID AQUEOUS WAX EMULSION FOR USE ON FLOORS. L. SONNEBORN SONS, INC., New York, N. Y.
Filed February 24, 1945. Serial No. 480,210. PUBLISHED JULY 10, 1945. Class 16.
- 416,714. DETERGENT AND WETTING AGENT FOR TEXTILE PROCESSING. L. SONNEBORN SONS, INC., New York, N. Y.
Filed February 24, 1945. Serial No. 480,212. PUBLISHED JULY 17, 1945. Class 4.
- 416,715. DETERGENT AND WETTING AGENT FOR TEXTILE PROCESSING. L. SONNEBORN SONS, INC., New York, N. Y.
Filed February 24, 1945. Serial No. 480,213. PUBLISHED JULY 17, 1945. Class 4.
- 416,716. WOOD ENCASED LEAD PENCILS. THE ROOS COMPANY, New York, N. Y.
Filed March 1, 1945. Serial No. 480,388. PUBLISHED JULY 17, 1945. Class 37.
- 416,717. CARTOONS AND COMIC STRIPS PUBLISHED FROM TIME TO TIME. ASHTON B. COLLINS, doing business as Reddy Kilowatt, Short Hills, N. J., and New York, N. Y.
Filed March 2, 1945. Serial No. 480,406. PUBLISHED JULY 3, 1945. Class 38.
- 416,718. DETERGENT FOR GENERAL INDUSTRIAL USE. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J.
Filed March 3, 1945. Serial No. 480,469. PUBLISHED JULY 17, 1945. Class 4.
- 416,719. ELECTRICAL RESISTORS AND ELECTRICAL CONDENSERS. ERIC RESISTOR CORPORATION, Erie, Pa.
Filed March 7, 1945. Serial No. 480,568. PUBLISHED JULY 17, 1945. Class 21.
- 416,720. RIFLES, SHOTGUNS, TARGET PISTOLS, AND AMMUNITION FOR THE SAME. OAKES & CO., also doing business as Tru-Test, Chicago, Ill.
Filed March 7, 1945. Serial No. 480,607. PUBLISHED JUNE 19, 1945. Class 9.

- 416,721. COMPOSITION FLOOR COVERING, LINOLEUM, OILED CLOTH WALL COVERING AND OILED CLOTH FOR TABLES AND SHELVES. OAKES & CO., also doing business as Tru-Test, Chicago, Ill.
Filed March 7, 1945. Serial No. 480,613. PUBLISHED JUNE 19, 1945. Class 20.
- 416,722. MEDICINAL COMPOUND USED TO INCREASE METABOLISM AND DECREASE OBESITY. PHILADELPHIA CAPSULE CO., INC., Philadelphia, Pa.
Filed March 7, 1945. Serial No. 480,619. PUBLISHED JULY 10, 1945. Class 6.
- 416,723. PARTS FOR FUEL STOKERS—NAMELY, THE PARTS DESCRIBED AS GEAR COVER, THRUST BEARING CAP, HOPPER BALL, ETC. THE HANNA STOKER COMPANY, Cincinnati, Ohio
Filed March 9, 1945. Serial No. 480,701. PUBLISHED JULY 17, 1945. Class 34.
- 416,724. DOG FOOD. THE THOROBREAD COMPANY, Cincinnati, Ohio.
Filed March 10, 1945. Serial No. 480,806. PUBLISHED JULY 17, 1945. Class 46.
- 416,725. MAGAZINE OF ARTICLE AND PHOTOGRAPHS BY, OF, AND FOR COLORED PEOPLE. CHARLES W. TONEY, Davenport, Iowa.
Filed March 10, 1945. Serial No. 480,807. PUBLISHED JULY 3, 1945. Class 38.
- 416,726. WELDING RODS. FANSTEEL METALLURGICAL CORPORATION, North Chicago, Ill.
Filed March 12, 1945. Serial No. 480,818. PUBLISHED JULY 10, 1945. Class 14.
- 416,727. SLIPPERS. HOLIDAY CASUALS, New York, N. Y.
Filed March 12, 1945. Serial No. 480,824. PUBLISHED JUNE 26, 1945. Class 39.
- 416,728. SOAP FLAKES, GRANULATED SOAP, SOAP POWDER, BAR SOAP, DETERGENT POWDER, AND DISH WASHING COMPOUND. PIONEER SOAP COMPANY, INC., San Francisco, Calif.
Filed March 13, 1945. Serial No. 480,875. PUBLISHED JULY 10, 1945. Class 4.
- 416,729. ARTICLES OF WEARING APPAREL FOR MEN AS FOLLOWS: OUTER SHIRTS, UNDERSHIRTS, SHORTS, JACKETS, SWEATERS, BATHING TRUNKS AND NECKTIES. THE MANHATTAN SHIRT COMPANY, New York, N. Y.
Filed March 14, 1945. Serial No. 480,919. PUBLISHED JULY 3, 1945. Class 39.
- 416,730. DETERGENT PREPARATION USED AS AN AID TO SOAP AND AS A WATER SOFTENER. FRANKLIN E. EVERSON, doing business as F. E. Everson, New York, N. Y.
Filed March 16, 1945. Serial No. 480,981. PUBLISHED JULY 10, 1945. Class 4.
- 416,731. TEMPORARY DENTAL CEMENT. THE CLEVELAND DENTAL MANUFACTURING COMPANY, Cleveland, Ohio.
Filed March 17, 1945. Serial No. 481,012. PUBLISHED JULY 17, 1945. Class 44.
- 416,732. RAT POISON. SHAFR LABORATORIES, Brooklyn, N. Y.
Filed March 17, 1945. Serial No. 481,028. PUBLISHED JULY 10, 1945. Class 6.
- 416,733. MEN'S HATS. MILLER BROS. HAT CO. INC., New York, N. Y.
Filed March 20, 1945. Serial No. 481,117. PUBLISHED JULY 17, 1945. Class 39.
- 416,734. INK DRIERS. NCODEX PRODUCTS CO., INC., Elizabeth, N. J.
Filed March 20, 1945. Serial No. 481,119. PUBLISHED JULY 17, 1945. Class 11.

- 416,735. ART NEEDLEWORK YARNS. BRENNHARD ULMANN Co. Inc., New York, N. Y.
Filed March 20, 1945. Serial No. 481,130. PUBLISHED JULY 10, 1945. Class 43.
- 416,736. ELIXIRS, TONICS, ADSORBATES, TABLETS, PILLS, VIALS AND AMPOULES CONTAINING ONE OR MORE VITAMINS AND/OR FILTRATE FACTORS. GALEN COMPANY, Berkeley, Calif.
Filed March 21, 1945. Serial No. 481,139. PUBLISHED JULY 10, 1945. Class 6.
- 416,737. RECOGNITION BADGES, LAPEL BUTTONS; SCARF, LAPEL, AND BREAST PINS; CUFF LINKS, TIE CLASPS, CHARMS, FINGER RINGS, BELT BUCKLES, AND ORNAMENTAL SHIELDS ALL OF PRECIOUS METAL. GAMMA IOTA ALPHA, Brooklyn, N. Y.
Filed March 21, 1945. Serial No. 481,140. PUBLISHED JULY 17, 1945. Class 28.
- 416,738. FRESH VEGETABLES. TONY GUZZETTA, doing business as Dew-Kist Vegetable Co., Ontario, Calif.
Filed March 22, 1945. Serial No. 481,183. PUBLISHED JULY 17, 1945. Class 46.
- 416,739. FLAVORING CONCENTRATES FOR FOOD FLAVORING PURPOSES. PRICE FLAVORING EXTRACT COMPANY, Chicago, Ill.
Filed March 23, 1945. Serial No. 481,244. PUBLISHED JULY 17, 1945. Class 46.
- 416,740. SEDATIVE MEDICINE RECOMMENDED FOR USE WHEREVER THE SEDATIVE ACTION OF A PURE BROMIDE IS INDICATED. P. H. D. LABORATORY, INC., New Orleans, La.
Filed March 24, 1945. Serial No. 481,290. PUBLISHED JULY 3, 1945. Class 6.
- 416,741. MISSES' DRESSES. CALBERT DRESS Co., New York, N. Y.
Filed March 27, 1945. Serial No. 481,351. PUBLISHED JULY 10, 1945. Class 39.
- 416,742. REPLENISHER FOR DEVELOPER FOR X-RAY FILM. PICKER X-RAY CORPORATION, New York, N. Y.
Filed March 27, 1945. Serial No. 481,380. PUBLISHED JULY 3, 1945. Class 6.
- 416,743. DOG FEED MEAL. G. H. DULLE MILLING Co., Jefferson City, Mo.
Filed March 28, 1945. Serial No. 481,402. PUBLISHED JULY 17, 1945. Class 46.
- 416,744. LADIES' AND MISSES' SHOES, MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF. GREGORY & READ Co., Lynn, Mass.
Filed March 28, 1945. Serial No. 481,410. PUBLISHED JULY 3, 1945. Class 39.
- 416,745. VITAMIN D CONCENTRATE. NUTRITION RESEARCH LABORATORIES, Chicago, Ill.
Filed March 28, 1945. Serial No. 481,421. PUBLISHED JULY 3, 1945. Class 6.
- 416,746. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES. COTY, INC., New York, N. Y.
Filed March 29, 1945. Serial No. 481,467. PUBLISHED JULY 10, 1945. Class 6.
- 416,747. COOKING EQUIPMENT IN THE NATURE OF FIELD KITCHENS COMPRISING A GASOLINE STOVE AND UTENSILS NECESSARY IN THE HANDLING AND COOKING OF FOODS SOLD AS A UNIT. ELOIE C. FLINNER, Kansas City, Mo.
Filed March 29, 1945. Serial No. 481,473. PUBLISHED JULY 17, 1945. Class 34.

- 416,748. WRAPPING PAPER AND PAPER WRAPPERS. PROTECTIVE PACKAGING CORPORATION, Newark, N. J.
Filed March 29, 1945. Serial No. 481,491. PUBLISHED JULY 17, 1945. Class 37.
- 416,749. DRY ACID COMPOUND FOR PICKLING METALS AND REMOVING OXIDES. WAVERLY PETROLEUM PRODUCTS COMPANY, Philadelphia, Pa.
Filed March 29, 1945. Serial No. 481,504. PUBLISHED JULY 3, 1945. Class 6.
- 416,750. WRITING PAPER AND ENVELOPES. EATON PAPER CORPORATION, Pittsfield, Mass.
Filed March 30, 1945. Serial No. 481,527. PUBLISHED JULY 17, 1945. Class 37.
- 416,751. GRASS SEEDS. EDGEWOOD FARMS, INC., Ridgefield N. J.
Filed March 30, 1945. Serial No. 481,528. PUBLISHED JULY 17, 1945. Class 1.
- 416,752. POWDER AND LIQUID OF METHYL METHACRYLATE PREPARED IN TEN DIFFERENT COLORS AND SHADES USED IN THE RESTORATION OF DECAYED TEETH AND FOR THE CONSTRUCTION OF CROWNS AND BRIDGES AND ALSO AS INLAYS BY THE INDIRECT METHOD. ROCKLAND DENTAL Co., Inc., Sparkill, N. Y.
Filed March 30, 1945. Serial No. 481,555. PUBLISHED JULY 17, 1945. Class 44.
- 416,753. FACE POWDER. LENTHERIC, INCORPORATED, New York, N. Y.
Filed March 31, 1945. Serial No. 481,582. PUBLISHED JULY 10, 1945. Class 6.
- 416,754. PERFUME. CASTILIAN PRODUCTS CORPORATION, doing business as Courtley, Ltd., Hollywood, Calif.
Filed April 2, 1945. Serial No. 481,612. PUBLISHED JULY 10, 1945. Class 6.
- 416,755. MEDICATED EYE PADS, EYE SALVE, EYE DROPS, AND EYE BATH. INTERSTATE LABORATORIES, INC., Louisville, Ky.
Filed April 2, 1945. Serial No. 481,632. PUBLISHED JULY 10, 1945. Class 6.
- 416,756. CLOTH COVERED STUFFED DOLLS AND TOY ANIMALS. BANTAM-U. S. TOYS, INC., New York, N. Y.
Filed April 5, 1945. Serial No. 481,732. PUBLISHED JULY 17, 1945. Class 22.
- 416,757. INSECTICIDAL COMPOSITION FOR USE ON PLANTS. NIAGARA SPRAYER AND CHEMICAL Co., INC., Middleport, N. Y.
Filed April 6, 1945. Serial No. 481,797. PUBLISHED JULY 10, 1945. Class 6.
- 416,758. BLANK COLLECTION BOOKS. WALTER LAWRENCE POOL, Norfolk, Va.
Filed April 6, 1945. Serial No. 481,800. PUBLISHED JULY 17, 1945. Class 37.
- 416,759. ARTIFICIAL TEETH FORMED OF ACRYLIC RESINS. H. D. JUSTI & SON, INC., Philadelphia, Pa.
Filed April 7, 1945. Serial No. 481,849. PUBLISHED JULY 17, 1945. Class 44.
- 416,760. PERFUMES, TOILET WATERS AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed April 7, 1945. Serial No. 481,850. PUBLISHED JULY 10, 1945. Class 6.
- 416,761. SUITCASES. ABEL & BACH, INC., Milwaukee, Wis.
Filed April 9, 1945. Serial No. 481,874. PUBLISHED JULY 17, 1945. Class 3.
- 416,762. PERFUME, LIPSTICKS, ROUGE, FACE POWDER, FACIAL MAKE-UP, COLD CREAM, HAND LOTION, COLOGNE, TOILET WATER, BRILLIANTINE, SHAMPOO, AND NAIL POLISH. JACK MAY, doing business as Sardeau, New York, N. Y.
Filed April 12, 1945. Serial No. 482,064. PUBLISHED JULY 3, 1945. Class 6.

- 416,763. VANITY CASES, COMPACTS AND LIPSTICK HOLDERS MADE OF BASE METALS AND PLASTICS AND SOLD IN TRADE EMPTY. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed April 14, 1945. Serial No. 482,165. PUBLISHED JULY 17, 1945. Class 2.
- 416,764. PREPARATION FOR THE TREATMENT OF BOVINE KERATITIS (PINK EYE) AMONG CATTLE AND OTHER LIVE STOCK. ROBERT E. PARRISH, doing business as Worth Pharmacal Company, Fort Worth, Tex.
Filed April 17, 1945. Serial No. 482,256. PUBLISHED JULY 10, 1945. Class 6.
- 416,765. PNEUMATIC TIRES. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed April 19, 1945. Serial No. 482,324. PUBLISHED JULY 17, 1945. Class 35.
- 416,766. SOLUTION FOR TREATMENT OF ATHLETE'S FOOT, RING WORM AND OTHER DISEASES OF THE SKIN CAUSED BY FUNGI. AMERICAN DRUGGISTS SYNDICATE, INC., Long Island City, N. Y.
Filed April 21, 1945. Serial No. 482,410. PUBLISHED JULY 3, 1945. Class 6.
- 416,767. RAZOR BLADES. CLUB RAZOR & BLADE MANUFACTURING CORPORATION, Newark, N. J.
Filed April 21, 1945. Serial No. 482,415. PUBLISHED JULY 17, 1945. Class 23.
- 416,768. PYROPHORIC CIGAR AND CIGARETTE LIGHTERS. H. NEGBAUR & Co., New York, N. Y.
Filed April 21, 1945. Serial No. 482,435. PUBLISHED JULY 10, 1945. Class 34.
- 416,769. INSECTICIDE. SWIFT & COMPANY, Chicago, Ill.
Filed April 25, 1945. Serial No. 482,598. PUBLISHED JULY 10, 1945. Class 6.
- 416,770. SPECTACLE FRAMES. WARD MANUFACTURING Co., North Arlington, N. J.
Filed April 27, 1945. Serial No. 482,719. PUBLISHED JULY 17, 1945. Class 26.
- 416,771. WATER COOLING APPARATUS HAVING ELECTRICALLY POWERED REFRIGERATING UNITS. EBCO MANUFACTURING COMPANY, Columbus, Ohio.
Filed April 28, 1945. Serial No. 482,736. PUBLISHED JULY 17, 1945. Class 31.
- 416,772. TOY FURNITURE MADE OF PLASTICS—NAMESLY, DINING ROOM BUFFETS, BREAKFAST TABLES, ETC. RENWAL MFG. Co., INC., New York, N. Y.
Filed May 2, 1945. Serial No. 482,893. PUBLISHED JULY 17, 1945. Class 22.
- 416,773. PLASTIC TOY AEROPLANES. RENWAL MANUFACTURING Co., INC., New York, N. Y.
Filed May 2, 1945. Serial No. 482,894. PUBLISHED JULY 17, 1945. Class 22.
- 416,774. PURSES. MARJORIE P. MCWILLIAMS, Los Angeles, Calif.
Filed May 3, 1945. Serial No. 482,941. PUBLISHED JULY 17, 1945. Class 3.
- 416,775. CANNED VEGETABLES, CANNED FISH AND CANDY. J. BLAN VAN URK, doing business as Van Urk Foods, New York, N. Y.
Filed May 4, 1945. Serial No. 483,012. PUBLISHED JULY 17, 1945. Class 46.
- 416,776. HARMONICAS. INTERNATIONAL PLASTIC HARMONICA CORPORATION, Newark, N. J.
Filed May 5, 1945. Serial No. 483,022. PUBLISHED JULY 17, 1945. Class 36.
- 416,777. MOTION PICTURES. NATIONAL-SIMPLEX-BLUDWORTH, INC., New York, N. Y.
Filed May 10, 1945. Serial No. 483,188. PUBLISHED JULY 17, 1945. Class 26.
- 416,778. ELECTROMAGNETICALLY-OPERATED FATIGUE TESTING MACHINES, AND PHOTOGRAPHIC ARTICLES, ACCESSORIES AND EQUIPMENT, ETC. RAYTHEON MANUFACTURING COMPANY, Newton, Mass.
Filed May 17, 1945. Serial No. 483,487. PUBLISHED JULY 17, 1945. Class 26.
- 416,779. ELECTROMAGNETICALLY-OPERATED FATIGUE TESTING MACHINES, AND PHOTOGRAPHIC ARTICLES, ACCESSORIES, AND EQUIPMENT, ETC. RAYTHEON MANUFACTURING COMPANY, Newton, Mass.
Filed May 17, 1945. Serial No. 483,488. PUBLISHED JULY 17, 1945. Class 26.
- 416,780. POCKETBOOKS AND BILLFOLDS. SAMUEL BLUM, New York, N. Y.
Filed May 18, 1945. Serial No. 483,511. PUBLISHED JULY 17, 1945. Class 3.
- 416,781. PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio.
Filed May 23, 1945. Serial No. 483,698. PUBLISHED JULY 17, 1945. Class 35.
- 416,782. DIATHERMY HEATING APPARATUS FOR THERAPEUTIC USES. REX COLE, INC., Long Island City, N. Y.
Filed May 24, 1945. Serial No. 483,715. PUBLISHED JULY 17, 1945. Class 44.
- 416,783. THERAPEUTIC LAMPS. AIRADIO, INCORPORATED, Stamford, Conn.
Filed May 25, 1945. Serial No. 483,752. PUBLISHED JULY 17, 1945. Class 44.
- 416,784. WAX COMPOSITION USED FOR DENTAL PURPOSES. ALFRED AUFHAUSER, doing business as Industrial Raw Materials Company, New York, N. Y.
Filed May 25, 1945. Serial No. 483,757. PUBLISHED JULY 17, 1945. Class 44.
- 416,785. ARCH SUPPORTS. THE SCHOLL MFG. Co., INC., Chicago, Ill.
Filed May 30, 1945. Serial No. 483,988. PUBLISHED JULY 17, 1945. Class 44.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

416,786. (CLASS 27. HOROLOGICAL INSTRUMENTS.)
HARMAN WATCH CO., New York, N. Y. Filed Apr. 25,
1944. Serial No. 469,632.

Harman

"Every Time Piece A Masterpiece"

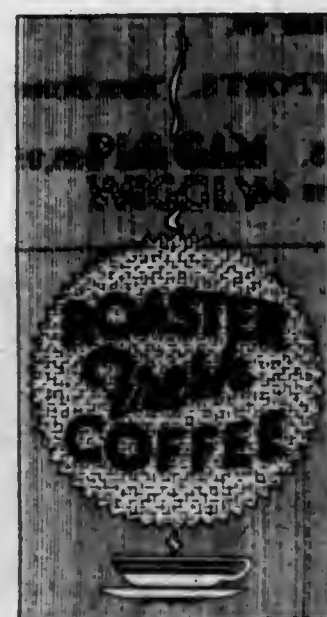
Applicant is the owner or Reg. No. 317,804.
FOR WATCHES, CLOCKS AND PARTS THEREOF.
Claims use since January 1940.

416,787. (CLASS 46. FOODS AND INGREDIENTS OF
FOODS.) HOWARD O. BUTLER, doing business as Butler's
Food Products, Cedar Lake, Mich. Filed June 14, 1944.
Serial No. 471,206.

Butler's
SOYA-BUTTER

FOR SOYA BUTTER.
Claims use since November 1943.

416,788. (CLASS 46. FOODS AND INGREDIENTS OF
FOODS.) PIGGLY WIGGLY NORTHWEST, INC., Duluth,
Minn. Filed Aug. 9, 1944. Serial No. 473,125.



The drawing is lined for red and gold.
FOR COFFEE.
Claims use since May 1, 1944.

482

416,789. (CLASS 6. CHEMICALS, MEDICINES, AND
PHARMACEUTICAL PREPARATIONS.) GEORGE W.
BUTTON CO., doing business as Bouton, New York, N. Y.
Filed Aug. 23, 1944. Serial No. 473,533.

DRIV-A-WAY

FOR INSECT REPELLENT.
Claims use since Aug. 10, 1944.

416,790. (CLASS 6. CHEMICALS, MEDICINES, AND
PHARMACEUTICAL PREPARATIONS.) SAMUEL A.
HERMAN, doing business as Dr. Herman's Research Labo-
ratories, New York, N. Y. Filed Aug. 24, 1944. Serial
No. 473,566.

OBTUND-DENT

FOR LOCAL ANAESTHETICS, SPECIFICALLY A DE-
SENSITIZING COMPOSITION.
Claims use since June 15, 1944.

416,791. (CLASS 28. JEWELRY AND PRECIOUS-
METAL WARE.) CAROL FEINBERG, doing business as
Carol Antell, New York, N. Y. Filed Sept. 14, 1944.
Serial No. 474,194.

Carol Antell

FOR COSTUME JEWELRY NOT INCLUDING
WATCHES—NAMELY, BROOCHES, PINS, EARRINGS,
RINGS, ANKLETS, BRACELETS, AND CHARMS CON-
SISTING OF PRECIOUS AND SEMI-PRECIOUS MET-
ALS.

Claims use since January 1943.

416,792. (CLASS 13. HARDWARE AND PLUMBING
AND STEAM-FITTING SUPPLIES.) HAROLD L. HA-
GEN, doing business as Allen Optical Co., Buffalo, N. Y.
Filed Sept. 16, 1944. Serial No. 474,281.

Sani-Spray

FOR APPARATUS FOR CLEANING GOGGLES CON-
SISTING OF A SPRAYING UNIT OPERATED BY A
PUSH BUTTON VALVE WHICH RELEASES AIR FROM
AN OUTSIDE LINE TO SIPHON THE CLEANING SO-
LUTION FROM ITS CONTAINER THROUGH A SPRAY
NOZZLE AND UPON THE GOGGLES TO BE CLEANED
AND WHICH ALSO INCLUDES COMPARTMENTS FOR
HOLDING FRESH CLEANING TISSUES AND FOR RE-
CEIVING THE SOILED TISSUES.

Claims use since Aug. 1, 1944.

SEPTEMBER 25, 1945

U. S. PATENT OFFICE

483

416,793. (CLASS 46. FOODS AND INGREDIENTS OF
FOODS.) JERPE COMMISSION COMPANY, INC., Omaha,
Nebr. Filed Nov. 25, 1944. Serial No. 476,867.



FOR FROZEN FOWL FOODS—NAMELY, FRYING
CHICKEN, FOWL FOR FRICASSEE, CHICKEN LIVER,
CHICKEN GIZZARDS, AND CHICKEN HEARTS.
Claims use since July 1, 1944.

416,794. (CLASS 26. MEASURING AND SCIENTIFIC
APPLIANCES.) ELECTRO PRODUCTS LABS., Chicago,
Ill. Filed Jan. 1, 1945. Serial No. 478,115.

Electro

FOR ELECTRONIC INSTRUMENTS AND APPA-
RATUS—NAMELY, OCTANE RATING METERS, HIGH
FREQUENCY RADIO TESTING EQUIPMENT, VOLTAGE
BREAKDOWN TESTERS, ELECTRONICALLY OPER-
ATED PRESSURE MEASURING APPARATUS, COM-
PRISING A PICK-UP TRANSLATING PRESSURE VA-
RIATIONS INTO CORRESPONDING ELECTRICAL IM-
PULSES AND ELECTRONIC EQUIPMENT FOR INDIC-
ATING THE AMPLITUDE AND DURATION OF SUCH
IMPULSES.

Claims use since Apr. 15, 1938.

416,795. (CLASS 6. CHEMICALS, MEDICINES, AND
PHARMACEUTICAL PREPARATIONS.) FRANCES
BLEACH MIKE, Newark, N. J. Filed Feb. 24, 1945. Se-
rial No. 480,179.



The portrait is fanciful.
FOR SCALP AND HAIR DRESSING POMADES.
Claims use since Nov. 1, 1942.

416,796. (CLASS 27. HOROLOGICAL INSTRUMENTS.)
FRIEDMAN'S JEWELERS, INC., Savannah, Ga. Filed Mar.
17, 1945. Serial No. 481,020.

RUXTON

FOR WATCHES.
Claims use since June 11, 1941.

416,797. (CLASS 16. PAINTS AND PAINTERS' MA-
TERIALS.) THE AMERICAN VARNISH COMPANY, Chi-
cago, Ill. Filed Mar. 30, 1945. Serial No. 481,510.



LIQUID CEMENT

FOR PIGMENTED LIQUID COATING FOR APPLICA-
TION TO CEMENT, CONCRETE OR PLASTERED SUR-
FACES.

Claims use since 1936.

416,798. (CLASS 46. FOODS AND INGREDIENTS OF
FOODS.) OTTO KROHN, Chicago, Ill. Filed Apr. 13,
1945. Serial No. 482,105.



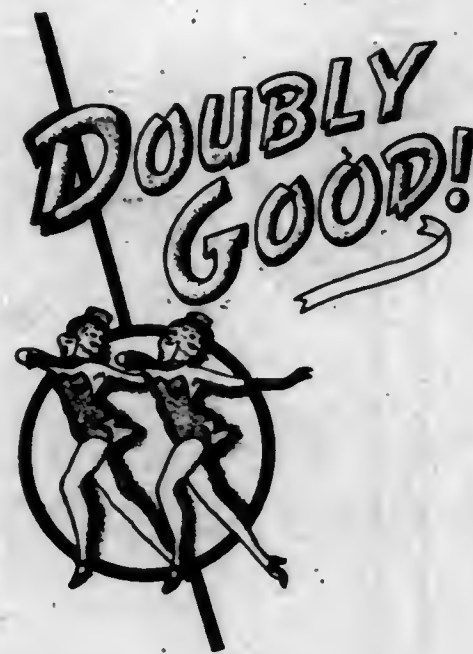
FOR SHRIMPS FRIED IN BATTER.
Claims use since Mar. 1, 1941.

416,799. (CLASS 39. CLOTHING.) SIDNEY PASSIN,
New York, N. Y. Filed May 16, 1945. Serial No.
483,445.

SILVR-Y-HAIR SEAL

FOR LADIES' AND MISSES' FUR COATS, FUR HATS,
FUR SCARFS, AND FUR MUFFS.
Claims use since Sept. 7, 1943.

416,800. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) T. J. MATULICH doing business as T. J. MATULICH Co. Watsonville Calif. Filed June 4 1945. Serial No. 484,137.



The picture of the girls is fanciful.
FOR FRESH VEGETABLES.
Claims use since January 1944.

416,801. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE BRUSH DEVELOPMENT COMPANY, Cleveland, Ohio. Filed June 13, 1945. Serial No. 484,478.

SURFACE ANALYZER

FOR ELECTRO-MECHANICAL DEVICE FOR MEASURING SURFACE ROUGHNESS.
Claims use since June 7, 1940.

416,802. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE SCRANTON LACE COMPANY, Scranton, Pa. Filed July 26, 1945. Serial No. 486,336.

GLASSENETTE

FOR CURTAINS, CURTAIN MATERIALS, AND DRAPERY FABRICS.
Claims use since Nov. 10, 1943.

TRADE-MARK REGISTRATIONS RENEWED

26,749. "BLATZ" AND DRAWING. BOTTLED LAGER-BEER. Registered July 2, 1895. VALENTIN BLATZ BREWING COMPANY. Re-renewed July 2, 1945, to Blatz Brewing Company, Milwaukee, Wis., a corporation of Wisconsin. Class 48.

27,212. H-O. BREAD AND OTHER BAKER'S PRODUCTS, INCLUDING CRACKERS. Registered Nov. 12, 1895. THE H-O (HORNBY'S OATMEAL) COMPANY. Re-renewed Nov. 12, 1945, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey. Class 46.

27,325. TABOLA. DISINFECTANTS. Registered Nov. 26, 1895. THE H. W. JAYNE CHEMICAL CO., Philadelphia, Pa. Re-renewed Nov. 26, 1945, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Class 6.

44,624. PERMANITE. WATER-PAINT OR CALCIMINE. Registered July 18, 1905. M. EWING FOX & CO. Re-renewed July 18, 1945, to M. Ewing Fox Co., Inc., New York, N. Y., a corporation of New York. Class 16.

45,016. "POCAHONTAS" ETC. AND DRAWING. COAL OF A BITUMINOUS OR SEMIBITUMINOUS NATURE. Registered Aug. 1, 1905. CASTNER, CURRAN & BULLITT, Philadelphia, Pa., New York, N. Y., Boston, Mass., Norfolk and Roanoke, Va., Chicago, Ill., and Cincinnati, Ohio. Re-renewed Aug. 1, 1945, to Castner, Curran & Bullitt, Inc., New York, N. Y., a corporation of Delaware. Class 1.

45,017. "C. C. B. POCAHONTAS" ETC. AND DESIGN. COAL OF A BITUMINOUS OR SEMIBITUMINOUS NATURE. Registered Aug. 1, 1905. CASTNER, CURRAN & BULLITT, Philadelphia, Pa., New York, N. Y., Boston, Mass., Norfolk and Roanoke, Va., Chicago, Ill., and Cincinnati, Ohio. Re-renewed Aug. 1, 1945, to Castner, Curran & Bullitt, Inc., New York, N. Y., a corporation of Delaware. Class 1.

45,443. "CLIMAX" AND DRAWING. WELDING COMPOUNDS. Registered Aug. 22, 1905. CORTLAND WELDING COMPOUND COMPANY, Cortland, N. Y., a corporation of New York. Re-renewed Aug. 22, 1945. Class 6.

45,476. "BORAX-ETTE" AND DRAWING. CHEMICAL WELDING COMPOUND. Registered Aug. 22, 1905. CORTLAND WELDING COMPOUND COMPANY, Cortland, N. Y., a corporation of New York. Re-renewed Aug. 22, 1945. Class 6.

45,573. "PLYMOUTH ROCK" AND DRAWING. PHOSPHATED PREPARATION OF GELATIN. Registered Aug. 22, 1905. PLYMOUTH ROCK GELATINE CO. Re-renewed Aug. 22, 1945, to Plymouth Rock Gelatine Co., Boston, Mass., a corporation of Massachusetts. Class 46.

45,574. PLYMOUTH ROCK. GELATIN AND COMPOUNDS OF GELATIN. Registered Aug. 22, 1905. PLYMOUTH ROCK GELATINE CO. Re-renewed Aug. 22, 1945, to Plymouth Rock Gelatine Co., Boston, Mass., a corporation of Massachusetts. Class 46.

45,865. "F & H" AND DESIGN. WOOLEN CLOTHS. Registered Aug. 29, 1905. FORSTMANN & HUFFMANN COMPANY. Re-renewed Aug. 29, 1945, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

46,018. "CLINTON" AND DRAWING. WIRE-CLOTH. Registered Sept. 5, 1905. CLINTON WIRE CLOTH CO., Clinton, Mass. Re-renewed Sept. 5, 1945, to Wickwire Spencer Steel Company, New York, N. Y., a corporation of Delaware. Class 13.

46,208. SUNRISE. CLOCKS. Registered Sept. 12, 1905. WATERBURY CLOCK CO. Re-renewed Sept. 12, 1945, to The United States Time Corporation, Waterbury, Conn., a corporation of Connecticut. Class 27.

46,574. ELLINGTON. PIANOS. Registered Sept. 26, 1905. THE ELLINGTON PIANO COMPANY. Re-renewed Sept. 26, 1945, to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio. Class 36.

47,217. WHITE CHAMPION. LARD, TALLOW, LARD COMPOUNDS, AND SUBSTITUTES FOR LARD. Registered Oct. 31, 1905. CUDAHY BROTHERS COMPANY, Cudahy, Wis., a corporation of Wisconsin. Re-renewed Oct. 31, 1945. Class 46.

47,300. EXQUINTA. FRUIT PREPARATIONS AND EXTRACTS FOR FLAVORING MINERAL WATERS, ICE-CREAM, AND ICES. Registered Oct. 31, 1905. CROWN CORDIAL & EXTRACT CO. Re-renewed Oct. 31, 1945, to Henry H. Shufeldt & Co., Inc., New York, N. Y., a corporation of New York. Class 46.

47,470. ELGIN. WATCHES. Registered Nov. 7, 1905. ELGIN NATIONAL WATCH CO., Elgin and Chicago, Ill. Re-renewed Nov. 7, 1945, to Elgin National Watch Company, Elgin, Ill., a corporation of Illinois. Class 27.

47,630. "CRESCENT" AND DRAWING. SPICES. Registered Nov. 14, 1905. CRESCENT MANUFACTURING CO., Seattle, Wash., a corporation of Washington. Re-renewed Nov. 14, 1945. Class 46.

47,631. "PEACOCK" AND DRAWING. LARD, TALLOW, LARD COMPOUNDS, AND SUBSTITUTES FOR LARD. Registered Nov. 14, 1905. CUDAHY BROTHERS COMPANY, Cudahy, Wis., a corporation of Wisconsin. Re-renewed Nov. 14, 1945. Class 46.

47,772. SNOW BALL. LARD, LARD COMPOUNDS, TALLOW, AND SUBSTITUTES FOR LARD. Registered Nov. 21, 1905. CUDAHY BROTHERS COMPANY, Cudahy, Wis., a corporation of Wisconsin. Re-renewed Nov. 21, 1945. Class 46.

47,780. ECZITONE. REMEDY FOR ECZEMA AND OTHER FORMS OF BLOOD DYSCRASIA. Registered Nov. 21, 1905. STRONG COBB & CO. Re-renewed Nov. 21, 1945, to Strong, Cobb & Company, Inc., Cleveland, Ohio, a corporation of Ohio. Class 6.

47,818. EONOMITE. TILES. Registered Nov. 21, 1905. BARRETT MANUFACTURING COMPANY. Re-renewed Nov. 21, 1945, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Class 12.

47,847. STICKO. GLUE. Registered Nov. 21, 1905. CUDAHY BROTHERS COMPANY, Cudahy, Wis., a corporation of Wisconsin. Re-renewed Nov. 21, 1945. Class 5.

47,905. COSMIC. BONE-BLACK. Registered Nov. 28, 1905. MICHIGAN CARBON WORKS, Detroit, Mich. Re-renewed Nov. 28, 1945, to The American Agricultural Chemical Company, New York, N. Y., a corporation of Delaware. Class 1.

47,945. GOLDEN HARVEST. BIRD-FOODS. Registered Nov. 28, 1905. BROOKMAN MANUFACTURING COMPANY. Re-renewed Nov. 28, 1945, to Harold F. Lange, Chicago, Ill. Class 46.

47,963. COMSTOCK'S DEAD SHOT WORM PELLET. WORM-PELLETS. Registered Nov. 28, 1905. THE W. H. COMSTOCK COMPANY LIMITED, Morristown, N. Y., a corporation of Canada. Re-renewed Nov. 28, 1945. Class 6.

48,005. CHICLETS. CHEWING-GUM. Registered Dec. 5, 1905. FRANK H. FLEER AND COMPANY, Philadelphia, Pa. Re-renewed Dec. 5, 1945, to American Chicle Company, Long Island City, N. Y., a corporation of New Jersey. Class 46.

48,088. VUDOR. FABRIC FORMED OF WOVEN SPLINTS, STRIPS, OR SLATS OF MORE OR LESS SUBSTANTIAL MATERIAL AND THREAD, CORD, OR WIRE INTENDED AND DESIGNED TO BE EMPLOYED FOR SHADES, SCREENS, CURTAINS, AND THE LIKE. Registered Dec. 12, 1905. HUGH SHADE CORPORATION, Janesville, Wis., a corporation of Connecticut. Re-renewed Dec. 12, 1945. Class 32.

48,089. "CAMPBELL'S" AND DRAWING. PREPARED MUSTARD. Registered Dec. 12, 1905. JOSEPH CAMPBELL COMPANY. Re-renewed Dec. 12, 1945, to Campbell Soup Company, Camden, N. J., a corporation of New Jersey. Class 46.

48,113. BLACK PRINCE. HORSE-NAILS. Registered Dec. 12, 1905. THE CAMPBELL HORSE NAIL COMPANY. Re-renewed Dec. 12, 1945, to The Capewell Manufacturing Company, Hartford, Conn., a corporation of Connecticut. Class 13.

48,114. STEEL ALLOY. CHURCH AND SCHOOL BELLS. Registered Dec. 12, 1905. THE C. S. BELL CO., Hillsboro, Ohio, a corporation of Ohio. Re-renewed Dec. 12, 1945. Class 13.

48,117. "RED SEAL" AND DRAWING. READY TAR AND FELT ROOFING. Registered Dec. 12, 1905. BARRETT MANUFACTURING COMPANY. Re-renewed Dec. 12, 1945, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Class 12.

48,147. "TWENTIETH CENTURY" AND DRAWING. ALE. Registered Dec. 12, 1905. ADAM SCHEIDT BREWING COMPANY, Norristown, Pa., a corporation of Pennsylvania. Re-renewed Dec. 12, 1945. Class 48.

48,148. "LOTOS" ETC. AND DRAWING. LAGER-BEER. Registered Dec. 12, 1905. ADAM SCHEIDT BREWING CO., Norristown, Pa., a corporation of Pennsylvania. Re-renewed Dec. 12, 1945. Class 48.

48,230. REPRESENTATION OF A GLOBE AND A FOUNTAIN PEN. FOUNTAIN-PENS. Registered Dec. 19, 1905. L. E. WATERMAN COMPANY, New York, N. Y., a corporation of New York. Re-renewed Dec. 19, 1945. Class 37.

48,262. OLIVOKOW. OLIVES PUT UP IN A MUSTARD DRESSING. Registered Dec. 19, 1905. CHARLES GULDEN, New York, N. Y. Re-renewed Dec. 19, 1945, to Mawer-Gulden-Annis, Inc., Brooklyn, N. Y., a corporation of New York. Class 46.

187,325. COMPO. STAPLING MACHINES, STAPLES, AND PARTS, AND ACCESSORIES FOR SUCH ARTICLES. Registered July 29, 1924. THE COMPO CORPORATION. Renewed July 29, 1944, to Gertrude H. Heyn, Westport, Conn. Class 37.

192,716. EMPROTE. PREPARED FOOD COMPOSED OF DRIED MILK, CEREALS, AND OTHER INGREDIENTS READY FOR USE WHEN MIXED WITH MILK, WATER, OR OTHER LIQUID. Registered Dec. 9, 1924. EUSTACE MILES FOODS (1921) LIMITED. Renewed Dec. 9, 1944, to George King & Company Limited, London, England, a limited liability company of England. Class 46.

196,087. "MISS LOU" AND DRAWING. CANNED SHRIMP AND CANNED OYSTERS. Registered Mar. 10, 1925. C. B. FOSTER PACKING CO., INC., Biloxi, Miss. Renewed Mar. 10, 1945, to Southern Shell Fish Co., Inc., New Orleans, La., a corporation of Louisiana. Class 46.

199,855. ZOLOTA. MEDICINES AND PHARMACEUTICAL PREPARATIONS FOR THE TREATMENT OF INFLAMMATION OF THE EYES, NOSE, THROAT, AND BRONCHIAL TUBES. Registered June 16, 1925. CHARLES G. MAYWOOD, Albion, Mich. Renewed June 16, 1945, to Charles G. Maywood, Saginaw, Mich. Class 6.

199,843. FORMEX. ANTISEPTIC, ASTRINGENT, AND DEODORIZING SOLUTIONS FOR THE MOUTH AND THROAT. Registered June 16, 1925. EDWIN B. DOUGLAS, Chicago, Ill. Renewed June 16, 1945, to Edwin B. Douglas, doing business as Douglas Drug Store, Hammond, Ind. Class 6.

199,897. JIANT JIM. WORK SHIRTS. Registered June 23, 1925. GORDON SHIRT COMPANY. Renewed June 23, 1945, to Reliance Manufacturing Company, Chicago, Ill., a corporation of Illinois. Class 39.

199,930. SPARELOK. THEFT-PREVENTION LOCKING DEVICES. Registered June 23, 1925. RICHARD M. DECKER COMPANY. Renewed June 23, 1945, to Richard M. Decker Company, Inc., Chicago, Ill., a corporation of Illinois. Class 25.

200,057. DEN-TEX. BRICK. Registered June 23, 1925. ACME BRICK COMPANY, Fort Worth, Tex., a corporation of Texas. Renewed June 23, 1945. Class 12.

200,251. RADIOTEX. RADIO-PANELS, SWITCHBOARD PANELS, AND INSULATED COMPOSITION BOARDS ADAPTED FOR THE MOUNTING, ATTACHING TO, OR HOLDING OF ANY AND ALL KINDS OF ELECTRICAL APPARATUS, MACHINES, AND EQUIPMENT. Registered June 30, 1925. CORNELL WOOD PRODUCTS COMPANY, Cornell, Wis., and Chicago, Ill. Renewed June 30, 1945, to Cornell Wood Products Company, Milwaukee, Wis., a corporation of Wisconsin. Class 21.

200,348. "LAMBROS" ETC. AND DRAWING. ANTI-SEPTIC HEALING AND SOOTHING OINTMENT. Registered June 30, 1925. LAMBROS & SONS, Bellaire, Ohio, a firm. Renewed June 30, 1945. Class 6.

- 200,524. **PROGRESSIVE MEDICINE. PUBLICATIONS OR BOOKLETS DEALING WITH THE PHARMACEUTICAL INDUSTRY, ISSUED MONTHLY.** Registered July 7, 1925. THE DRUG PRODUCTS CO. INC., Long Island City, N. Y., a corporation of New York. Renewed July 7, 1945. Class 38.
- 200,555. **"FORSTMANN F & H" AND DESIGN. WOOLEN PIECE GOODS.** Registered July 7, 1925. FORSTMANN & HUFFMANN COMPANY. Renewed July 7, 1945, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.
- 200,560. **"LISCO". CHEWING GUM.** Registered July 7, 1925. LISTERATED GUM CORPORATION, New York, N. Y. Renewed July 7, 1945, to Wm. Wrigley Jr. Company, Chicago, Ill., a corporation of Delaware. Class 46.
- 200,639. **"STAR LINE" AND DRAWING. BULL STAFFS, FLOOR SCRAPERS, LITTER CARRIERS, FEED CARRIERS, MILK-CAN CARRIERS, SWINGING BOOMS, TWO AND THREE WAY TRACK SWITCHES, HAY CARRIERS, HAY SLINGS, FORK PULLEYS, HAYFORKS, HAY-CARRIER RETURNERS, TACKLE-BLOCK-WIRE STRETCHERS, GIANT STEEL HOISTS, AND TROLLEY CONVEYERS.** Registered July 7, 1925. HUNT, HELM, FERRIS & Co. Renewed July 7, 1945, to Starline Inc., Harvard, Ill., a corporation of Illinois. Class 23.
- 200,705. **PETITPOINT. WOOLEN PIECE GOODS.** Registered July 7, 1925. FORSTMANN & HUFFMANN COMPANY. Renewed July 7, 1945, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.
- 200,709. **MILLEPOINT. WOOLEN PIECE GOODS.** Registered July 7, 1925. FORSTMANN & HUFFMANN COMPANY. Renewed July 7, 1945, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.
- 200,710. **GROSPPOINT. WOOLEN PIECE GOODS.** Registered July 7, 1925. FORSTMANN & HUFFMANN COMPANY. Renewed July 7, 1945, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.
- 200,757. **"FLOWER OF THE MILL" AND DRAWING. BLEACHED COTTON PIECE GOODS.** Registered July 7, 1925. B. B. & R. KNIGHT, INC., Providence, R. I., and New York, N. Y. Renewed July 7, 1945, to Fruit of the Loom, Inc., Providence, R. I., a corporation of Rhode Island. Class 42.
- 200,766. **"HOT-GLO" AND DRAWING. CHARCOAL.** Registered July 7, 1925. UNITED FUEL & SUPPLY COMPANY. Renewed July 7, 1945, to Ray Industries, Inc., Detroit, Mich., a corporation of Michigan. Class 1.
- 200,892. **GEL-O-GLASS. WINDOW-GLASS SUBSTITUTES AND THE LIKE.** Registered July 14, 1925. CELLO PRODUCTS INCORPORATED, New York, N. Y. Renewed July 14, 1945, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Class 50.
- 200,910. **REPRESENTATION OF A TOMAHAWK, ETC. AMMETERS FOR AUTOMOBILES.** Registered July 14, 1925. NORTHERN ENGRAVING COMPANY. Renewed July 14, 1945, to Northern Engraving & Manufacturing Co., La Crosse, Wis., a corporation of Wisconsin. Class 26.
- 200,960. **TY.PHOO. TEA.** Registered July 14, 1925. SUMNER'S TY.PHOO TEA LTD. Renewed July 14, 1945, to Ty.Phoo Tea Limited, Birmingham, England, an organized company of Great Britain. Class 46.
- 200,961. **"TY.PHOO" ETC. AND DRAWING. TEA.** Registered July 14, 1925. SUMNER'S TY.PHOO TEA LTD. Renewed July 14, 1945, to Ty.Phoo Tea Limited, Birmingham, England, an organized company of Great Britain. Class 46.
- 201,427. **GOBLINA. WOOLEN PIECE GOODS FOR USE IN DRESSES AND MADE-UP GARMENTS.** Registered July 28, 1925. FORSTMANN & HUFFMANN COMPANY. Renewed July 28, 1945, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

- 201,464. **DOROTHEEN. WOOLEN PIECE GOODS.** Registered July 28, 1925. FORSTMANN & HUFFMANN COMPANY. Renewed July 28, 1945, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.
- 201,465. **JORELLA. WOOLEN PIECE GOODS.** Registered July 28, 1925. FORSTMANN & HUFFMANN COMPANY. Renewed July 28, 1945, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.
- 201,467. **CORONEEN. WOOLEN PIECE GOODS.** Registered July 28, 1925. FORSTMANN & HUFFMANN COMPANY. Renewed July 28, 1945, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.
- 201,469. **MARVELEEN. WOOLEN PIECE GOODS.** Registered July 28, 1925. FORSTMANN & HUFFMANN COMPANY. Renewed July 28, 1945, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.
- 201,496. **JARLEENA. WOOLEN PIECE GOODS.** Registered July 28, 1925. FORSTMANN & HUFFMANN COMPANY. Renewed July 28, 1945, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.
- 201,497. **MIRROLEEN. WOOLEN PIECE GOODS.** Registered July 28, 1925. FORSTMANN & HUFFMANN COMPANY. Renewed July 28, 1945, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.
- 201,498. **JERLONA. WOOLEN PIECE GOODS.** Registered July 28, 1925. FORSTMANN & HUFFMANN COMPANY. Renewed July 28, 1945, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.
- 201,499. **CRESTA. WOOLEN PIECE GOODS.** Registered July 28, 1925. FORSTMANN & HUFFMANN COMPANY. Renewed July 28, 1945, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.
- 201,501. **PLIANTEEN. WOOLEN PIECE GOODS.** Registered July 28, 1925. FORSTMANN & HUFFMANN COMPANY. Renewed July 28, 1945, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.
- 201,522. **"LOCH LOMOND" AND DRAWING. LADIES' AND GENTLEMEN'S MUFFLERS.** Registered July 28, 1925. CISCO, INC., New York, N. Y., a corporation of New York. Renewed July 28, 1945. Class 39.
- 201,739. **LIGHTNIN. MOTOR TRUCKS.** Registered Aug. 4, 1925. VICTOR MOTORS, INC., St. Louis, Mo. Renewed Aug. 4, 1945, to Marmon Motors Incorporated, Indianapolis, Ind., a corporation of Indiana. Class 19.
- 202,536. **SALSA BRAVA. EDIBLE SAUCE, OR CONDIMENT, COMPOSED OF HOT CHILI PEPPERS AND SPICES.** Registered Aug. 25, 1925. PABLO BACA, doing business as La Victoria Packing Co., Los Angeles, Calif. Renewed Aug. 25, 1945. Class 46.
- 202,721. **"DRAKE" AND DRAWING. OIL-STAIN REMOVER, A SOLVENT LIQUID USED FOR REMOVING ALL KINDS OF OIL AND GREASE STAINS FROM FABRICS, PAINTED SURFACES, FLOORS, ETC., WHEN APPLIED ALONE OR MIXED WITH OTHER SUBSTANCES.** Registered Sept. 1, 1925. DRAKE CORPORATION, Norfolk, Va., a corporation of Virginia. Renewed Sept. 1, 1945. Class 4.
- 203,037. **TRUEWORTH. MALT SIRUP FOR FOOD PURPOSES.** Registered Sept. 8, 1925. BAY CITY MILLING COMPANY, Bay City, Mich., a firm. Renewed Sept. 8, 1945. Class 46.
- 203,396. **CANTILEVER. RUBBER HEELS.** Registered Sept. 15, 1925. MORAN & BUEY CO., INC., Brooklyn, N. Y. Renewed Sept. 15, 1945, to The Selby Shoe Company, Portsmouth, Ohio, a corporation of Ohio. Class 39.

- 203,681. **CANNON BALL. SCOOTERS (OR SKOOTERS), WHEELED VEHICLES SOMEWHAT SIMILAR TO WHEELED SLEDS OR TOBOGGANS, AND SLEDS.** Registered Sept. 22, 1925. HUNT, HELM, FERRIS & Co. Renewed Sept. 22, 1945, to Starline Inc., Harvard, Ill., a corporation of Illinois. Class 22.
- 203,696. **DRAWRITE. FERROUS PLATES AND SHEETS.** Registered Sept. 22, 1925. FOLLANSBEE BROTHERS COMPANY. Renewed Sept. 22, 1945, to Follansbee Steel Corporation, Pittsburgh, Pa., a corporation of Delaware. Class 14.
- 203,763. **"FULL BLOOM NAP" ETC. COTTON BLANKETS.** Registered Sept. 22, 1925. HOUSTON TEXTILE MILLS. Renewed Sept. 22, 1945, to Houston Textile Company, Houston, Tex., a corporation of Texas. Class 42.
- 203,804. **"SURE AM GOOD" AND DRAWING. PEANUT BRITTLE AND CANDY-COVERED NUTS.** Registered Sept. 29, 1925. ILLINOIS NUT PRODUCTS CO. Renewed Sept. 29, 1945, to McGarry Nut Products Ltd., Chicago, Ill., a limited partnership. Class 46.
- 204,041. **MARVEL. SAFETY RAZORS.** Registered Oct. 6, 1925. GEM SAFETY RAZOR CORPORATION. Renewed Oct. 6, 1945, to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia. Class 23.
- 204,300. **CARDOXIDE. CHEMICAL MATERIALS FOR REMOVING CARBON DIOXIDE FROM AIR OR OTHER GASES.** Registered Oct. 13, 1925. MINE SAFETY APPLIANCES COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Oct. 13, 1945. Class 6.
- 204,301. **M-S-A. BANDAGES, TOURNIQUETS, AIR AND GAS PURIFYING CANISTERS, AIR PURIFYING APPARATUS, GAS MASKS, CABINETS OF FIRST-AID APPLIANCES, BREATHING APPARATUS, AND LIKE APPARATUS AND ARTICLES FOR FIRST-AID TREATMENT OF INJURED PERSONS.** Registered Oct. 13, 1925. MINE SAFETY APPLIANCES COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Oct. 13, 1945. Class 44.
- 204,309. **RE-NU. MINERAL-SURFACED FLEXIBLE ROOFING SHINGLES MADE FROM FIBROUS SHEET MATERIAL SATURATED AND COATED WITH A BITUMINOUS COMPOUND.** Registered Oct. 13, 1925. THE FLINTKOTE COMPANY, Boston, Mass. Renewed Oct. 13, 1945, to The Flintkote Company, New York, N. Y., a corporation of Massachusetts. Class 12.
- 204,487. **FOLLANSBEE FORGE. FERROUS PLATES AND SHEETS.** Registered Oct. 20, 1925. FOLLANSBEE BROTHERS COMPANY. Renewed Oct. 20, 1945, to Follansbee Steel Corporation, Pittsburgh, Pa., a corporation of Delaware. Class 14.
- 204,669. **TOAST-O-NUTS. CANDY-COVERED NUTS.** Registered Oct. 20, 1925. ILLINOIS NUT PRODUCTS CO. Renewed Oct. 20, 1945, to McGarry Nut Products Ltd., Chicago, Ill., a limited partnership. Class 46.
- 204,670. **BRIT-L-NUT. PEANUT BRITTLE.** Registered Oct. 20, 1925. ILLINOIS NUT PRODUCTS CO. Renewed Oct. 20, 1945, to McGarry Nut Products Ltd., Chicago, Ill., a limited partnership. Class 46.
- 204,896. **"INTERNATIONAL TELEPHONE & TELEGRAPH CORPORATION AND ASSOCIATED COMPANIES" AND DRAWING. PERIODICALS AND MAGAZINES DEVOTED TO THE TELEPHONE INDUSTRY.** Registered Oct. 27, 1925. INTERNATIONAL TELEPHONE AND TELEGRAPH CORPORATION, New York, N. Y., a corporation of Maryland. Renewed Oct. 27, 1945. Class 38.
- 204,897. **INTERNATIONAL TELEPHONE REVIEW. PERIODICAL PUBLISHED QUARTERLY, DEVOTED TO THE TELEPHONE INDUSTRY.** Registered Oct. 27, 1925. INTERNATIONAL TELEPHONE AND TELEGRAPH CORPORATION, New York, N. Y., a corporation of Maryland. Renewed Oct. 27, 1945. Class 38.
- 204,924. **"THE LIV-DINE TABLE" ETC. AND DESIGN. HOUSEHOLD FURNITURE—NAMESLY, TABLES, CHAIRS, BUFFETS.** Registered Oct. 27, 1925. THE LEONARDO CO. INC. Renewed Oct. 27, 1945, to Leonardo Furniture Co. Incorporated, New York, N. Y., a corporation of New York. Class 32.
- 204,951. **"VELVO" AND DESIGN. SALT.** Registered Oct. 27, 1925. ALEX. KERR BROTHER & CO. INC. Renewed Oct. 27, 1945, to Alex Kerr, Bro. & Co., Inc., Philadelphia, Pa., a corporation of Delaware. Class 46.
- 204,979. **BILLY B. VAN'S PINE TREE SOAP. TOILET SOAP.** Registered Oct. 27, 1925. BILLY B. VAN, Newport, N. H. Renewed Oct. 27, 1945, to Pine Tree Products Company, Manchester, N. H., a corporation of New Hampshire. Class 4.
- 205,093. **SILVERCRAFT. SILVER-PLATED HOLLOW WARE.** Registered Nov. 3, 1925. FARBER BROTHERS, New York, N. Y., a firm. Renewed Nov. 3, 1945. Class 28.
- 205,520. **HOPCALITE. CHEMICAL MATERIALS FOR USE AS A CATALYST.** Registered Nov. 10, 1925. MINE SAFETY APPLIANCES COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Nov. 10, 1945. Class 6.
- 205,521. **CARBOGEN. MIXTURES OF OXYGEN AND CARBON DIOXIDE FOR TREATING ASPHYXIA FROM CARBON MONOXIDE, ALCOHOLIC INTOXICATION, DEETHERIZATION, MORPHINE NARCOSIS, FOR PREVENTION OF RESPIRATORY FAILURE, AND FOR AIDING IN RESUSCITATION AFTER RESPIRATORY FAILURE DUE TO ANY CAUSE.** Registered Nov. 10, 1925. MINE SAFETY APPLIANCES COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Nov. 10, 1945. Class 6.
- 205,575. **B & D. PORTABLE ELECTRIC DRILLS AND PARTS THEREOF, PORTABLE ELECTRIC VALVE GRINDERS; PORTABLE ELECTRIC SCREW, BOLT, AND NUT DRIVERS; ELECTRIC AIR PUMPS AND AIR COMPRESSORS, PORTABLE ELECTRIC AUGERS AND POST GRINDERS, ELECTRIC BENCH AND FLOOR GRINDERS, ELECTRIC AERIAL GRINDERS, AND PORTABLE ELECTRIC TAPPERS AND STUD SETTERS.** Registered Nov. 10, 1925. THE BLACK & DECKER MANUFACTURING COMPANY, Towson, Md., a corporation of Maryland. Renewed Nov. 10, 1945. Class 21.
- 205,576. **REPRESENTATION OF A HEXAGON AND CIRCULAR DESIGN. PORTABLE ELECTRIC DRILLS AND PARTS THEREOF, PORTABLE ELECTRIC VALVE GRINDERS; PORTABLE ELECTRIC SCREW, BOLT, AND NUT DRIVERS; ELECTRIC AIR PUMPS AND AIR COMPRESSORS, PORTABLE ELECTRIC AUGERS AND POST GRINDERS, ELECTRIC BENCH AND FLOOR GRINDERS, ELECTRIC AERIAL GRINDERS, AND PORTABLE ELECTRIC TAPPERS AND STUD SETTERS.** Registered Nov. 10, 1925. THE BLACK & DECKER MANUFACTURING COMPANY, Towson, Md., a corporation of Maryland. Renewed Nov. 10, 1945. Class 21.
- 205,653. **COUNTRY CLUB. MEN'S AND BOYS' LEATHER AND FABRIC SHOES.** Registered Nov. 10, 1925. HAMILTON, BROWN SHOE COMPANY. Renewed Nov. 10, 1945, to Millus Shoe Company, St. Louis, Mo., a corporation of Missouri. Class 39.
- 205,722. **OUT O'DOORS. MEN'S, WOMEN'S, AND CHILDREN'S SPORT SHIRTS.** Registered Nov. 17, 1925. NEW ERA SHIRT COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Nov. 17, 1945. Class 39.
- 205,896. **REPRESENTATION OF THE SIGNS OF THE ZODIAC. DIARIES.** Registered Nov. 17, 1925. THE STANDARD DIARY COMPANY, Cambridge, Mass., a corporation of Massachusetts. Renewed Nov. 17, 1945. Class 37.

- 205,918. **JEWEL TWINE, ROPE, STRING, AND CORDAGE.** Registered Nov. 17, 1925. SCHERMERHORN Bros. Co., Chicago, Ill., a corporation of Illinois. Renewed Nov. 17, 1945. Class 7.
- 206,033. **PENMARVA. CIGARS.** Registered Nov. 24, 1925. WILLIAM BOUCHER & SONS, Baltimore, Md., a firm. Renewed Nov. 24, 1945. Class 17.
- 206,035. **WILLIAM PINKNEY. CIGARS.** Registered Nov. 24, 1925. WILLIAM BOUCHER & SONS, Baltimore, Md., a firm. Renewed Nov. 24, 1945. Class 17.
- 206,250. **REPRESENTATION OF A RED COLORED STRIP ON ONE END OF THE SHEET. GALVANIZED SHEETS.** Registered Nov. 24, 1925. KEYSTONE STEEL & WIRE COMPANY, Peoria, Ill., a corporation of Illinois. Renewed Nov. 24, 1945. Class 14.
- 206,253. **RED EDGE. GALVANIZED SHEETS.** Registered Nov. 24, 1925. KEYSTONE STEEL & WIRE COMPANY, Peoria, Ill., a corporation of Illinois. Renewed Nov. 24, 1945. Class 14.
- 206,305. **HOUSEHOLD. HOPS.** Registered Nov. 24, 1925. E. CLEMENS HORST CO., San Francisco, Calif., a corporation of New Jersey. Renewed Nov. 24, 1945. Class 1.
- 206,370. **"METRO-GOLDWYN" ETC. AND DRAWING. MOTION-PICTURE FILMS.** Registered Dec. 1, 1925. METRO-GOLDWYN DISTRIBUTING CORPORATION, New York, N. Y., assignor to Metro-Goldwyn Pictures Corporation. Renewed Dec. 1, 1945, to Loew's Incorporated, Dover, Del., a corporation of Delaware. Class 28.
- 206,454. **RUBON. DUST CLOTHS, DUSTERS, DUST MOPS, WATER MOPS, WAX SPREADERS, AND WAX POLISHING BRUSHES.** Registered Dec. 1, 1925. RUBON WOODFINISHING & PRODUCTS CO., Kansas City, Mo., a corporation of Missouri. Renewed Dec. 1, 1945. Class 29.
- 206,598. **"HANOVER" AND DESIGN. CANNED VEGETABLES.** Registered Dec. 8, 1925. HANOVER CANNING COMPANY, Hanover, Pa., a corporation of Pennsylvania. Renewed Dec. 8, 1945. Class 46.
- 206,610. **REPRESENTATION OF A WOMAN'S HEAD. BLUING.** Registered Dec. 8, 1925. LUTHER FORD & COMPANY, Minneapolis, Minn., a firm. Renewed Dec. 8, 1945. Class 6.
- 206,611. **STEWART'S. BLUING.** Registered Dec. 8, 1925. LUTHER FORD & COMPANY, Minneapolis, Minn., a firm. Renewed Dec. 8, 1945. Class 6.
- 206,665. **GOLDEN. ANTISEPTIC AND SOOTHING PREPARATION RECOMMENDED FOR USE IN CASES OF BRUISES, BURNS, SCALDS, CUTS, WOUNDS, CONTUSIONS, STIFFNESS OF JOINTS, CHILBLAIN, SCRATCHES, INSECT BITES AND STINGS, ALSO RECOMMENDED AS A VETERINARY PREPARATION FOR TREATING SPRAINS, SWELLINGS AND BRUISES.** Registered Dec. 8, 1925. E. C. DE WITT & CO. INC., New York, N. Y. Renewed Dec. 8, 1945, to E. C. De Witt & Co. Inc., Chicago, Ill., a corporation of New York. Class 6.
- 206,707. **"RITZ" AND DRAWING. MEN'S DRESS SHIRTS.** Registered Dec. 8, 1925. MYLISH, MANN & DRUCKER, Philadelphia, Pa., a firm. Renewed Dec. 8, 1945. Class 39.
- 206,783. **"HOME KEEPING HEARTS ARE HAPPIEST—MORGAN" AND DRAWING. WINDOWS, DOORS, BLINDS, MOLDINGS, PANELWORK, STAIR WORK, AND PORCH WORK, ALL OF WOOD.** Registered Dec. 8, 1925. MORGAN SASH & DOOR COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Dec. 8, 1945. Class 12.

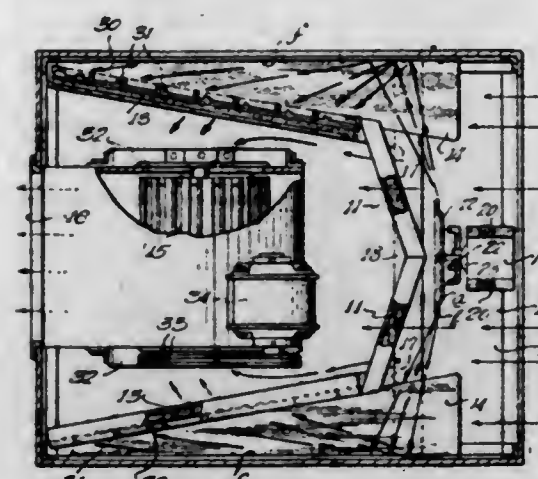
- 206,808. **FEDERAL. LENS GAUGES, WIRE GAUGES, COMPARATORS, PAPER GAUGES, FABRIC GAUGES, PISTON GAUGES, RUBBER GAUGES, DIAL INDICATORS, CYLINDER GAUGES, THICKNESS GAUGES, PISTON-PIN GAUGES, PISTON-RING GAUGES, THREAD-LEAD GAUGES, AND PITCH-DIAMETER GAUGES.** Registered Dec. 8, 1925. FEDERAL PRODUCTS CORPORATION, Providence, R. I., a corporation of Rhode Island. Renewed Dec. 8, 1945. Class 26.
- 206,815. **"FOX" AND DRAWING. TRACTORS AND SILO FILLERS.** Registered Dec. 8, 1925. FOX RIVER TRACTOR CO., Appleton, Wis., a corporation of Wisconsin. Renewed Dec. 8, 1945. Class 23.
- 206,841. **ENDOBRAN. BISCUITS.** Registered Dec. 8, 1925. R. MAURICE & CO., LIMITED, London, England. Renewed Dec. 8, 1945, to Energen Foods Co., Inc., New York, N. Y., a corporation of New York. Class 46.
- 206,898. **YOU'RE COMING TO AMOCO-GAS. GASOLINE, ILLUMINATING OILS, LUBRICATING OILS AND GREASES, AND LIQUID MOTOR FUELS.** Registered Dec. 15, 1925. THE AMERICAN OIL COMPANY, Baltimore, Md., a corporation of Maryland. Renewed Dec. 15, 1945. Class 15.
- 206,919. **"PHILCO" AND DRAWING. CARBON PAPER AND TYPEWRITER RIBBON.** Registered Dec. 15, 1925. PHILLIPS RIBBON & CARBON CO., INC., Rochester, N. Y., a corporation of New York. Renewed Dec. 15, 1945. Class 11.
- 206,920. **TYPE-ART. CARBON PAPER AND TYPEWRITER RIBBON.** Registered Dec. 15, 1925. PHILLIPS RIBBON & CARBON CO., INC., Rochester, N. Y., a corporation of New York. Renewed Dec. 15, 1945. Class 11.
- 206,938. **NITRO. PRINTING AND LITHOGRAPHING INKS.** Registered Dec. 15, 1925. CHARLES ENEU JOHNSON AND COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Dec. 15, 1945. Class 11.
- 206,940. **SPARKLE. MALTLESS, NONCEREAL BEVERAGE CONTAINING LESS THAN ONE-HALF OF ONE PER CENT ALCOHOL, BY VOLUME, SOLD AS A SOFT DRINK AND SIRUP FOR MAKING THE SAME.** Registered Dec. 15, 1925. NORTHWESTERN EXTRACT CO., Milwaukee, Wis., a corporation of Wisconsin. Renewed Dec. 15, 1945. Class 45.
- 206,970. **DAN VALLEY. SELF-RISING WHEAT FLOUR.** Registered Dec. 15, 1925. DAN VALLEY MILLS, Danville, Va., a corporation of Virginia. Renewed Dec. 15, 1945. Class 46.
- 206,992. **"KING OF NORWAY" AND DRAWING. PREPARED FOODS, SPECIFICALLY SARDINES.** Registered Dec. 15, 1925. B. WESTERGAARD & COMPANY, Brooklyn, N. Y., a copartnership. Renewed Dec. 15, 1945. Class 46.
- 206,994. **FULL-ONE. TOILET PAPER, PAPER TOWELS, PAPER NAPKINS, AND CRÊPE PAPER.** Registered Dec. 15, 1925. FORT HOWARD PAPER COMPANY, Green Bay, Wis., a corporation of Wisconsin. Renewed Dec. 15, 1945. Class 37.
- 207,011. **PACKARD. ELECTRICAL WIRES AND CABLES, WIRING ASSEMBLIES, PORTABLE ELECTRIC EXTENSION CORDS, TRANSFORMERS, AND RADIO APPARATUS—NAMELY, RECEIVING SETS, TRANSMITTING SETS, TRANSFORMERS, AND BATTERY-WIRING ASSEMBLIES.** Registered Dec. 15, 1925. THE PACKARD ELECTRIC COMPANY, Warren, Ohio. Renewed Dec. 15, 1945, to General Motors Corporation, Detroit, Mich., a corporation of Delaware. Class 21.
- 207,014. **"GREAT LAKES" AND DESIGN. VARNISHES, PAINT ENAMELS, STAINS, UNDERCOATING, FLOOR OILS, PREPARED SHELLACS, OUTSIDE PAINT, INTERIOR PAINT, FLOOR PAINT, LACQUERS, AND LINOLEUM FINISH.** Registered Dec. 15, 1925. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill., a corporation of Illinois. Renewed Dec. 15, 1945. Class 16.

- 207,025. **"BEST FOODS SHORTNING" AND DESIGN. SHORTENING.** Registered Dec. 15, 1925. THE BEST FOODS, INC., New York, N. Y., a corporation of New Jersey. Renewed Dec. 15, 1945. Class 46.
- 207,034. **BOW-MAN. FRESH CITROUS FRUITS (ORANGES, LEMONS, GRAPEFRUIT).** Registered Dec. 15, 1925. MCPHERSON HEIGHTS CITRUS ASSOCIATION. Renewed Dec. 15, 1945, to Consolidated Orange Growers, Orange, Calif., a corporation of California. Class 46.
- 207,049. **MILLFORD. TEXTILE SHEETS AND PILLOWCASES.** Registered Dec. 15, 1925. FORT MILL MANUFACTURING CO., Fort Mill, S. C. Renewed Dec. 15, 1945, to The Springs Cotton Mills, Lancaster, S. C., a corporation of South Carolina. Class 42.
- 207,055. **"POTOMAC" AND DRAWING. COFFEE.** Registered Dec. 15, 1925. JOHN H. WILKINS COMPANY, Washington, D. C., a corporation of Delaware. Renewed Dec. 15, 1945. Class 46.
- 207,056. **"SWANEE" AND DRAWING. COFFEE.** Registered Dec. 15, 1925. JOHN H. WILKINS COMPANY, Washington, D. C., a corporation of Delaware. Renewed Dec. 15, 1945. Class 46.
- 207,057. **"THOMAS JEFFERSON" AND DRAWING. COFFEE.** Registered Dec. 15, 1925. JOHN H. WILKINS COMPANY, Washington, D. C., a corporation of Delaware. Renewed Dec. 15, 1945. Class 46.
- 207,058. **EATONIA. FRESH FRUITS AND VEGETABLES.** Registered Dec. 15, 1925. ORRIN O. EATON, doing business as O. O. Eaton, Watsonville, Calif. Renewed Dec. 15, 1945. Class 46.

REISSUES

SEPTEMBER 25, 1945

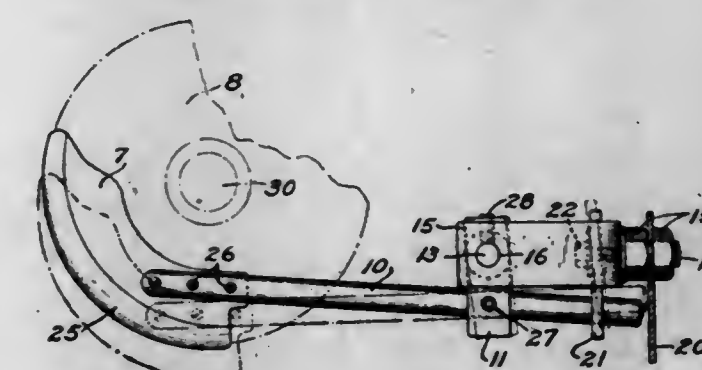
22,675
AIR CONDITIONING APPARATUS
 Archie S. Feinberg, Dallas, Tex.
 Original No. 2,319,119, dated May 11, 1943, Serial
 No. 443,389, May 18, 1942. Application for re-
 issue May 10, 1945, Serial No. 592,939
 9 Claims. (Cl. 261—30)



1. An evaporative cooler and humidifier including a cabinet having a rear air intake and a front air outlet, means to effect movement of air there-through, an assembly of filter pads in said cabinet arranged at a variety of angles in the air stream, means disposed behind the rearmost pad assembly and above the midsection thereof for discharging water radially, said water under influence of the air stream being diverted forwardly toward said pad assembly into the rearmost pads of said assembly, baffles disposed on a substantially horizontal plane, whose discharge edges are

contiguous with the upper portions of the exterior walls of the side pads of the assembly and which are adapted to intercept and convey and distribute a portion of the discharge of said water discharging means onto said side pads.

22,676
SHOE MACHINERY
 Clarence L. Logemann, Milwaukee, Wis.
 Original No. 2,327,806, dated August 24, 1943, Serial No. 475,889, February 15, 1943. Application for reissue May 11, 1945, Serial No. 594,802
 16 Claims. (Cl. 51—274)



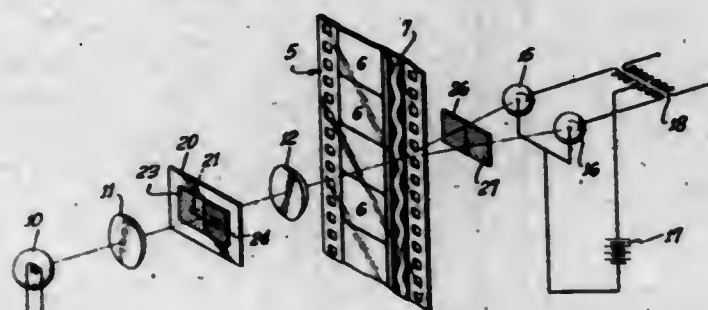
1. In combination with an abrasive wheel rotatable about an axis, a guard plate disposed adjacent to a side of the wheel and having an arcuate edge projecting outwardly beyond the adjacent peripheral edge of the wheel, and mounting means for said plate formed to produce limited free swinging thereof toward and away from the wheel axis by work pressed against the abrasive wheel surface.

PATENTS

GRANTED SEPTEMBER 25, 1945

2,385,324 PUSH-PULL SOUND REPRODUCING METHOD AND SYSTEM

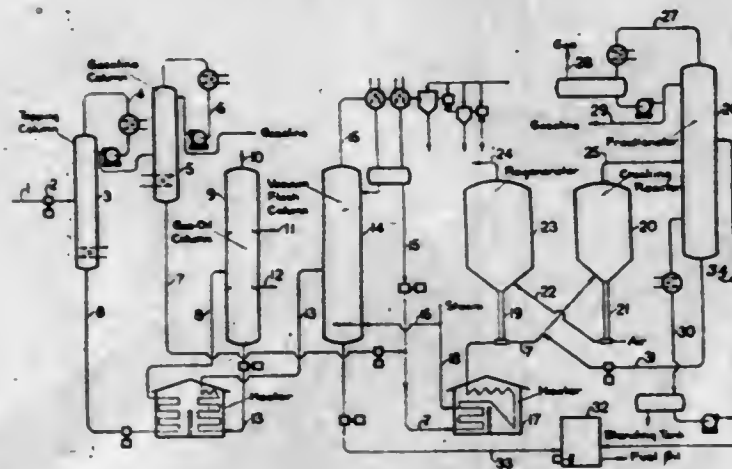
Alexis Badmaieff, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application September 10, 1943, Serial No. 501,778
9 Claims. (Cl. 179-100.3)



1. In a sound reproducing system, a sound record having two longitudinal components, a source of light for impression on said sound record, means for forming said light into a plurality of differently characterized beams before impression on said sound record, a photoelectric cell upon which each of said beams is to be impressed, and means positioned in said light beam after passage through each side of said record for preventing any portion of any one of said beams from being impressed on the same cell.

2,385,325 CATALYTIC CRACKING OF PETROLEUM OILS

William A. Bailey, Jr., Wilmington, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 19, 1944, Serial No. 541,051
7 Claims. (Cl. 196-50)

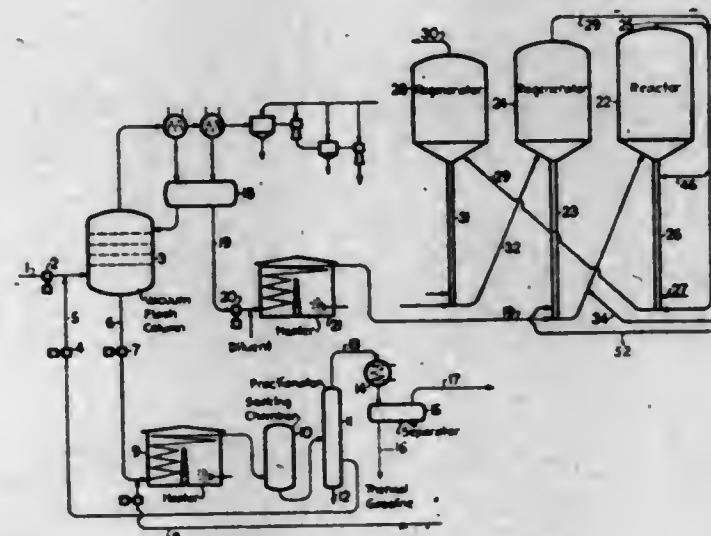


6. In the production of useful products including gasoline and fuel oil from petroleum, the process comprising separating petroleum by distillation into a gasoline fraction, a light naphtha fraction, a heavy reflux condensate, and a reduced crude, subjecting the reduced crude to a flash distillation under vacuum to produce a heavy flashed distillate and a heavy flashed residue, subjecting said heavy flashed distillate together with said light naphtha to catalytic cracking, separating the cracked product into a gasoline fraction and a heavier aromatic condensate and combining said heavier aromatic condensate with said heavy flashed residue to produce fuel oil.

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2,385,326 CATALYTIC TREATMENT OF HYDROCARBON OILS

William A. Bailey, Jr., Long Beach, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 19, 1944, Serial No. 554,817
7 Claims. (Cl. 196-52)



1. A process for the catalytic conversion of hydrocarbon oils heavier than gasoline into useful normally liquid and normally gaseous products including gasoline, beta butylene and an isobutane-olefin mixture suitable for production of quality alkylate, which comprises the process steps of catalytically cracking the hydrocarbon oil in a fluid catalyst system with a finely divided cracking catalyst under conditions of temperature and space velocity to convert at least 10% of the hydrocarbon oil into normally gaseous products including propylene, butylenes and isobutane, selectively polymerizing propylene from said gaseous products predominantly to C₆ polymers, catalytically cracking said C₆ polymers simultaneously with said hydrocarbon oil at a higher space velocity thereby to produce additional quantities of isobutane and butylenes.

2,385,327 METHOD OF PRODUCING ACRYLONITRILE

Chester W. Bradley, Old Greenwich, and Harold S. Davis, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application October 4, 1941, Serial No. 413,590
7 Claims. (Cl. 260-464)

1. The method of producing acrylonitrile which includes the steps of continuously reacting together acetylene and hydrocyanic acid in a heated solution of a cuprous salt as a catalyst, and a solubilizer therefor while maintaining the partial pressure of the acetylene substantially in excess of the partial pressure of the hydrocyanic acid over the catalyst solution, continuously withdrawing a portion of the catalyst solution, stripping the dissolved acrylonitrile from said solution and returning the stripped catalyst solution to the cycle.

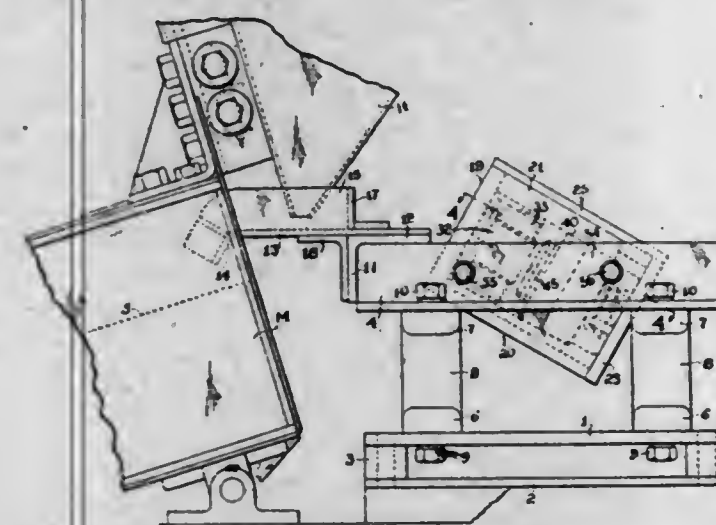
SEPTEMBER 25, 1945

U. S. PATENT OFFICE

493

2,385,328 ELECTRICALLY VIBRATED FEEDER

Hugh E. Brown, Cleveland Heights, and Stewart M. Grant, Bay Village, Ohio, assignors to The W. S. Tyler Company
Application June 16, 1943, Serial No. 491,070
2 Claims. (Cl. 198-220)



1. In a feeder of the character described, a base, a frame comprising a pair of spaced angles having horizontal and vertical flanges, resilient means interposed between said base and said horizontal flanges, and an electromagnetic vibrator extending between and rigidly secured to said vertical flanges, said vibrator being so mounted that the plane of vibration thereof is angular to the plane of said horizontal flanges.

2,385,329 PENCIL

J. D. Buchanan, Burbank, Calif.
Application June 2, 1944, Serial No. 538,444
7 Claims. (Cl. 120-17)



1. A pencil having a case, a weight movable in said case by bodily movement of said case, and a reciprocating feed chuck for the lead operated by relative movement of said weight and said case.

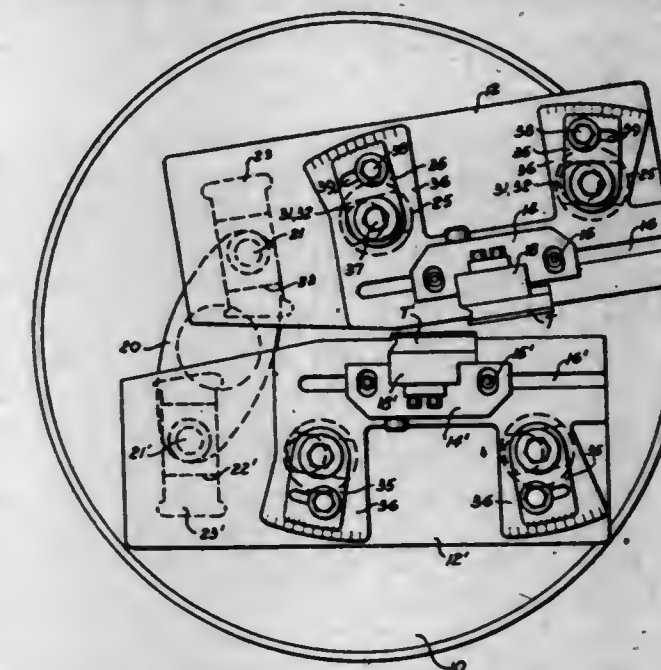
2,385,330 MACHINE FOR CUTTING GEARS

Allan H. Candee and Leonard O. Carlsen, Rochester, N. Y., assignors to Gleason Works, Rochester, N. Y., a corporation of New York
Application March 23, 1944, Serial No. 527,818
4 Claims. (Cl. 90-6)

1. In a machine for producing gears, a support, a slide reciprocally mounted on the support, a pair of spaced straight guide members carried by one of said parts and a pair of rollers carried by the other of said parts, said guide

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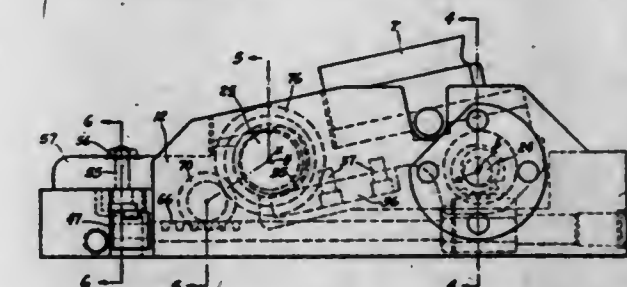
members having their guide surfaces inclined to one another, said rollers being adapted to cooperate, respectively, with the two guide members and being adapted to engage said guide members



simultaneously during reciprocation of the slide to impart a curvilinear movement to the slide, a cutting tool carried by the slide, and means for reciprocating the slide to move the cutting tool back and forth across the face of a gear blank.

2,385,331 MACHINE FOR PRODUCING GEARS

Leonard O. Carlsen, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application August 2, 1941, Serial No. 405,225
12 Claims. (Cl. 90-6)



1. In a machine for producing gears, a reciprocating tool slide, a tool support pivotally mounted on the slide, a tool secured to the tool support, an eccentric operatively connected to the tool support, means for reciprocating the slide to impart cutting and return strokes to the tool, and means for rotating the eccentric to move the tool support about its pivot during the cutting strokes of the tool to vary the depth of cut of the tool.

2,385,332 PRODUCTION OF SILICON STEEL SHEET STOCK HAVING INSULATIVE SURFACES

Victor W. Carpenter, Franklin, and Samuel A. Bell and Joseph E. Heck, Middletown, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
No Drawing. Application April 23, 1941, Serial No. 389,962
18 Claims. (Cl. 148-7)

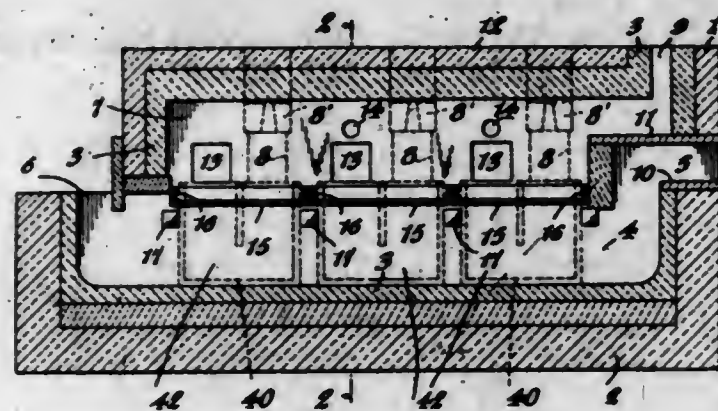
1. A process of producing a tightly adherent insulative coating on the surfaces of silicon steel sheet stock, which comprises preferentially oxidizing silicon in the sheet stock at and adjacent the surfaces thereof to form silica, coating the surfaces of said stock with a magnesia bearing substance, and in a heat treatment causing the silica so formed to migrate to the surfaces of the

silicon steel sheet stock, and causing the said silica at the surfaces of the sheet stock to combine with said magnesia to form a tightly adherent layer of glassy substance on said surfaces, said layer being tightly bonded to said surfaces, and the thickness of said layer being controlled by the quantity of silica therein primarily derived from the silicon steel.

16. A silicon steel stock of sheet width and gauge, the surfaces of which are covered with a tightly adherent, fused, insulative, glass layer which is uniform and substantially impervious, comprising the fusion product of silica and magnesia, and in which the silica is derived primarily by preferentially oxidizing silicon in the sheet stock at and adjacent the surfaces thereof to form silica, and causing the silica so formed to migrate to the surfaces of the silicon steel sheet stock, in which the glass is formed in a heat treatment by causing the silica so formed to combine with magnesia from a coating of a magnesia bearing substance imposed upon the surfaces of the silicon steel sheet stock, and in which the thickness of said layer is controlled by the quantity of silica therein primarily derived from the silicon steel.

2,385,333 FURNACE

Channing P. Clapp, Fords, and Boyd M. Johnson, Metuchen, N. J., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application February 2, 1942, Serial No. 429,219
11 Claims. (Cl. 266—33)



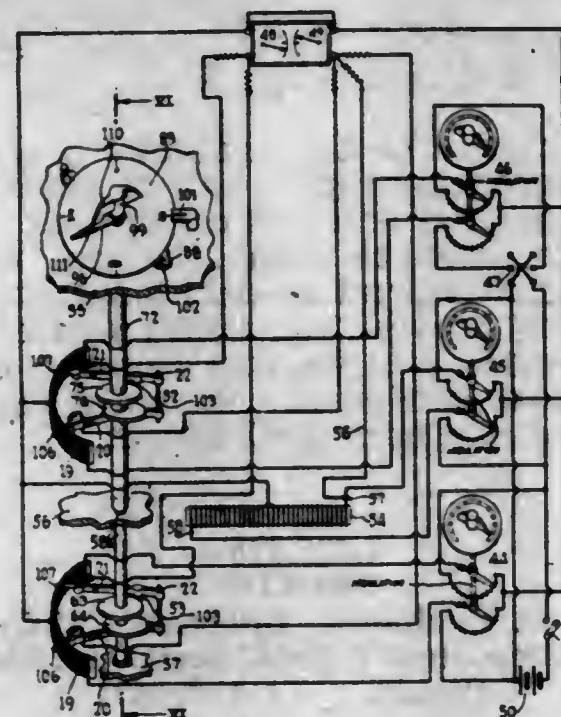
1. A metal-melting furnace comprising: a housing; a combustion chamber in said housing; at least one inlet and at least one outlet for said combustion chamber; a heating chamber in said housing; an inlet and an outlet for said heating chamber; a heat-conductive refractory wall separating said heating chamber and said combustion chamber; said refractory wall comprising tile of a material having a high coefficient of absorptivity for radiant heat and being adapted to float on molten metal contained in said heating chamber.

2,385,334 CALCULATOR

Peter Davey, White Plains, N. Y.
Application September 19, 1941, Serial No. 411,467
4 Claims. (Cl. 235—61)

1. An apparatus for combining vectors including, in combination: a source of potential; a plurality of magnitude potentiometer windings, the terminals of each of said potentiometers being connected in multiple with said source; a reversing switch interposed in the circuit of one of said potentiometer windings; a plurality of sliders, a pair cooperating with each potentiometer winding, the sliders of each pair being in contact with the cooperating winding at points of equal po-

tential by opposite polarity; means to move each one of each pair in unison to maintain the condition of equal potential but opposite polarity contact; a plurality of angle potentiometer windings, the terminals of each winding being connected, respectively, one to one slider of a pair and the other to the other slider of a pair; two cams associated with each angle potentiometer except one, said cams mounted in pairs for rotation and the cam of each pair positioned rotatively 90 degrees apart; a plurality of sine sliders and of cosine sliders, one of each cooperating with each angle potentiometer winding, the cams positioned for causing the sine and cosine sliders to sweep over and in contact with their angle potentiometer winding so that when the sine slider is at a maximum potential point, the cosine slider being at a minimum potential point and the motion of each being a simple harmonic

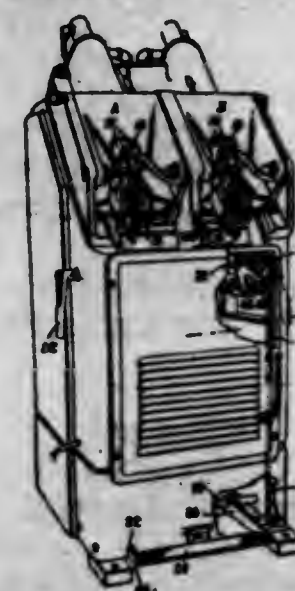


motion; means connecting the exact one half potential point of each magnitude potentiometer winding and the exact one half potential point of each angle potentiometer a connection point, means including a resistor separately connecting each sine slider to said connection point; a galvanometer connected between the connection point and the means connecting the half potential points; a second connection point, means including a resistor separately connecting each cosine slider to said connection point; a galvanometer connected between the connection point and the means connecting the half potential points; a connection from one end of the angle potentiometer without sliders to one of the galvanometer terminals including a resistance, whereby when a balanced indication is given by the galvanometers the settings of the various sliders represent vector values and angles and the resultant and its angle.

2,385,335
RUBBER VULCANIZATION ACCELERATORS
Russell T. Dean, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 19, 1942, Serial No. 455,359
2 Claims. (Cl. 260—785)

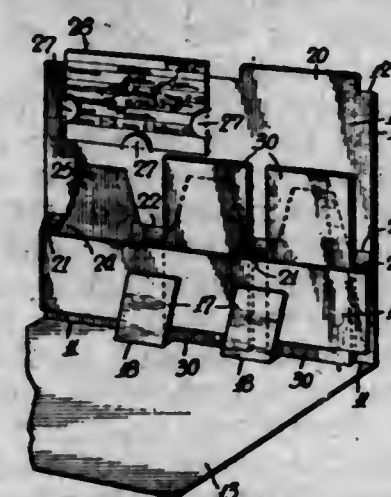
2. A vulcanizable rubber composition comprising unvulcanized rubber, sulfur and the condensation product of mercaptobenzothiazole, cyanamide and formaldehyde, in the molecular ratio of 2:1:2, said condensation product having been prepared in an aqueous medium and in the presence of a mineral acid.

2,385,336
MACHINE FOR SHAPING SHOE UPPERS
René E. Duplessis, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 11, 1943, Serial No. 486,507
13 Claims. (Cl. 12—97)



1. In a twin machine of that type in which two cycles are required for the complete operation of each station, and in which the machine comes to rest at the end of the first cycle and remains at rest until the operator starts the second cycle, a common actuator for initiating the operation of each cycle in each station, and a manually operated auxiliary actuator for initiating only the second cycle in only one station.

2,385,337
FILING FOLDER
Alexander Efron, New York, N. Y., assignor to Checkmaster Plan Inc., New York, N. Y., a corporation of New York
Application March 8, 1944, Serial No. 525,505
8 Claims. (Cl. 129—16.7)

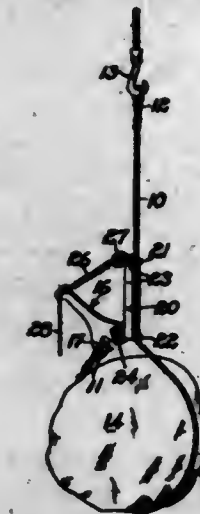


1. A filing folder comprising front and rear leaves hingedly connected only along their bottom edges, and means associated with one of said leaves for supporting within the folder at least one stack of check vouchers arranged end upwards, said means comprising a panel hinged to said leaf along the latter's upper edge and extending downwardly into the folder, said panel defining one wall of a pocket between said panel and leaf, said panel having a plurality of aligned apertures through which said vouchers may be inserted endwise into said pocket in separate stacks.

2,385,338
MEANS FOR FORMING SLINGS TO HANDLE MATERIALS
Hiram Duane Allerton, Hollywood, Calif.
Application September 11, 1943, Serial No. 502,038
6 Claims. (Cl. 294—75)

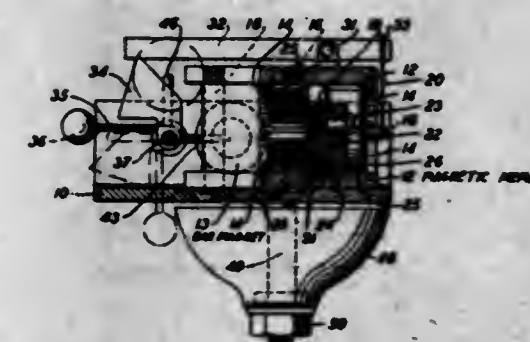
1. A clevis pin having a head on one end and a projecting key adjacent the other end with

a face opposing and axially spaced from said head, said pin being adapted for cooperation with a hole having a keyway through which the key is adapted to pass, angular movement of the pin in the hole serving to misalign said key and key-



way, whereby the face of the key and the head serve to prevent axial movement of the pin, and a spring operated detent carried by said head for releasably maintaining the pin against movement to align the key and keyway.

2,385,339
SIGNALLING DEVICE
George E. Atkins, Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 26, 1943, Serial No. 507,705
9 Claims. (Cl. 177—334)

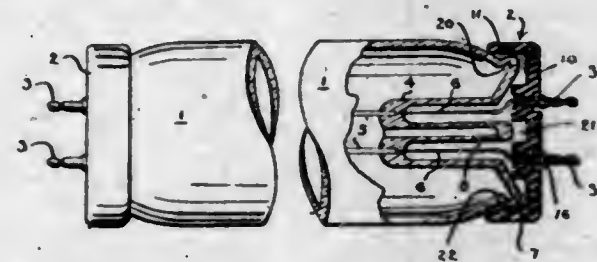


1. The combination, in a signalling device, of a sound emitting device, a striker therefor, gravity operated means for controlling the operation of said striker, a latch normally maintaining said gravity operated means in restrained position, and means for actuating said latch to release said gravity operated means comprising an electromagnetically operated device including a balanced armature, and means comprising a connecting pin loosely coupling said latch and said armature.

2,385,340
ELECTRICAL DEVICE
Clement T. Baxter, Beverly, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application January 2, 1943, Serial No. 471,202
1 Claim. (Cl. 176—126)

An end cap assembly for a substantially cylindrical gaseous discharge lamp envelope comprising a frangible reentrant stem portion sealed upon the end of said envelope, lead wires extending through and sealed in said stem portion, a unitary cup-shaped end cap of insulating material adapted to be secured upon the end of said envelope the peripheral portion of the bottom wall

thereof being relatively thin and its central portion being relatively thick, a plurality of apertures in the thick portion of the bottom wall of the cup adapted to extend longitudinally of the lamp envelope and being counterbored at both ends, a plurality of contact members received in and extending outwardly from said apertures having the form of a hollow cylinder and within which said lead wires are received, an annular

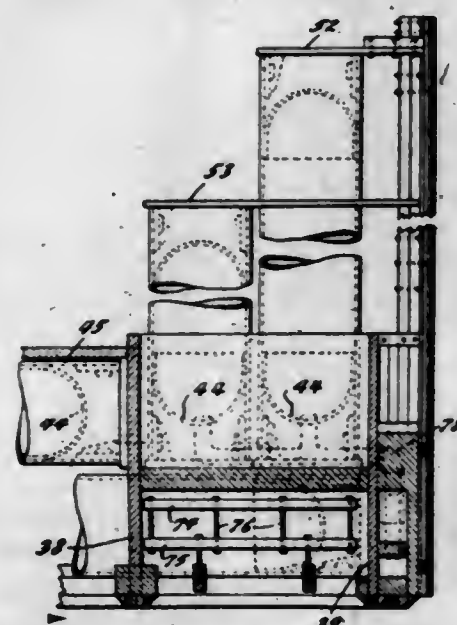


integral shoulder on said contact members upset outwardly therefrom and received in the outer counterbore of said apertures, the inner ends of said contact members being expanded into the inner counterbore of the apertures thereby rigidly anchoring the pins in the end cap, and a narrow section of the outwardly extending portion of said contact members being inwardly swaged into contact with said lead wires to form a continuous annular depressed bead.

2,385,341

FLOATING DRY DOCK

Charles A. D. Bayley, New York, N. Y.
Application August 10, 1944, Serial No. 548,857
16 Claims. (Cl. 114-45)



1. A floating drydock which comprises a longitudinal series of transverse horizontal cylindrical wooden pontoons, each pontoon having dome shaped heads and walls projecting beyond said heads, end pieces locked to said projections of said walls and longitudinal beams secured to said end pieces.

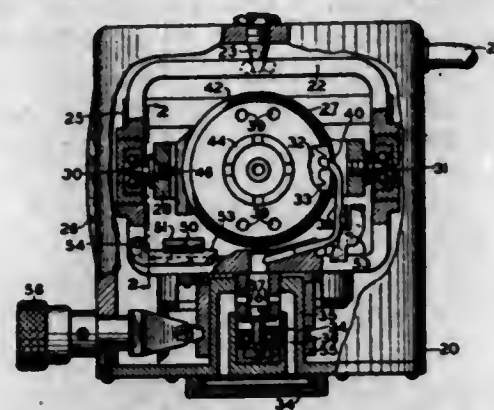
2,385,342

GYROSCOPIC INSTRUMENT

Frederick D. Braddon, Babylon, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application March 1, 1943, Serial No. 477,665
8 Claims. (Cl. 74-5)

1. A pneumatically controlled gyro instrument having a substantially closed circumferential rotor case, a discharge channel tangential to and on said case with an air intake port in the side wall thereof communicating with the interior of the case, an air discharge port at one end there-

of, an intake port at the other end thereof receiving air from the exterior of the case, and a

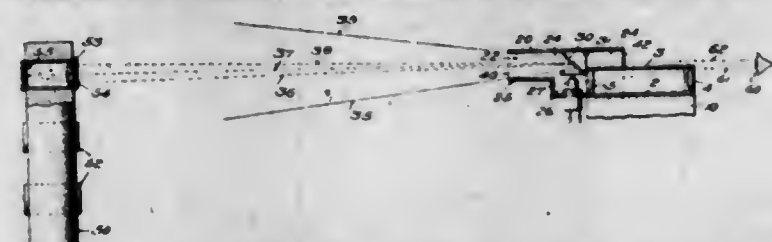


deflecting baffle in the path of the augmented discharge air whereby the gyroscope is erected.

2,385,343

FIRE CONTROL MEANS

Leo H. Brown, Glenville, Conn.
Application May 20, 1944, Serial No. 536,589
3 Claims. (Cl. 88-2.2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Means for controlling the indirect fire of cannon comprising an aiming post on which is mounted a converging lens and light reflecting means substantially in the focal plane of said converging lens, said aiming post with the said converging lens and reflecting means thereon being positioned at a distance from the cannon; a collimator sight on a traversing part of the cannon, said collimator sight having a converging lens and a reticle in the focal plane thereof, means for illuminating said reticle, a plane reflector which partly reflects and partly transmits light inclined to the direction of the principal axis of the converging lens of the said collimator sight and so positioned with respect to the means for illuminating the said reticle that light is reflected to the converging lens mounted on said aiming post, and said plane reflector also being so disposed with respect to the collimator sight that an eye of an observer near the converging lens of the collimator sight may establish a line of sight exteriorly of said collimator sight through said plane reflector to receive light from said illuminating means reflected by the reflecting means in the focal plane of the converging lens mounted on the aiming post and at the same time receive collimated light rays from the converging lens of the collimator sight.

2,385,344

CATALYTIC FORMATION OF ISOBUTANE

Robert E. Burk, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application February 10, 1942, Serial No. 430,306
2 Claims. (Cl. 260-676)

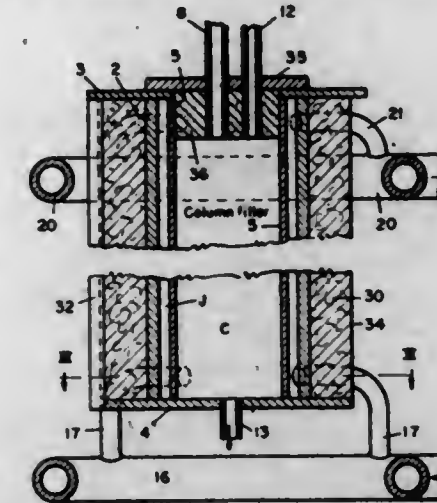
1. A process of converting propane to isobutane which comprises mixing propane in the presence of a hydrocarbon having a boiling point higher than gasoline, with a liquid catalyst comprising liquid hydrogen fluoride promoted by $\frac{1}{2}$ to 50 mol per cent of boron trifluoride dissolved in the liquid hydrogen fluoride as the essential cat-

alytic ingredients; said mixing of said propane, higher boiling hydrocarbon and liquid catalyst being carried out at a temperature of -30 to 200° C. and at a pressure at least sufficient to maintain the hydrogen fluoride liquid at the temperature employed to convert a substantial amount of the propane to isobutane.

2,385,345

CONTROLLED FRACTIONAL DISTILLATION APPARATUS

Robert E. Burk, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
Application September 25, 1942, Serial No. 459,613
5 Claims. (Cl. 202-160)

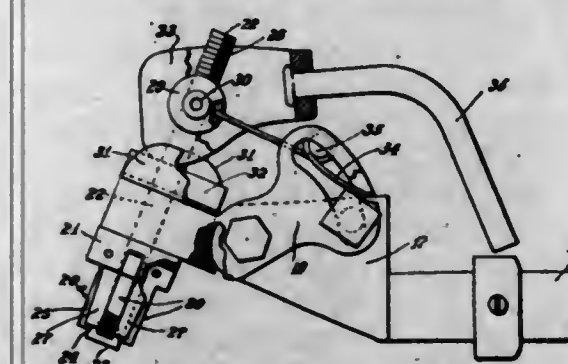


1. A fractional distillation apparatus, comprising a container, top and bottom headers therefor, a liner spaced within the container and forming a central compartment, surface-providing filler means for liquid and vapor contact within the central compartment, a feed inlet to the central compartment below for material to be fractionated, and an outlet above for vapors, a connection for returning condensate from the condenser to the top of the central compartment, an insulating closure at the top of the central compartment about said outlet and connection, annular manifolds about said container at the bottom and top having branches connecting with the space between the container and liner, means for supplying temperature-control fluid to the bottom manifold, an external return circuit thereto from the top manifold, temperature-conditioning means in such circuit, reinforcing elements spaced about said container and secured to the top and bottom headers, and lagging between said reinforcing elements and the container.

2,385,346

CHUCK FOR FRAZING MACHINES

Earl E. Calhoun, Shulls Mills, N. C., assignor to David P. Laviertes, Boone, N. C.
Application July 7, 1943, Serial No. 493,732
11 Claims. (Cl. 279-2)



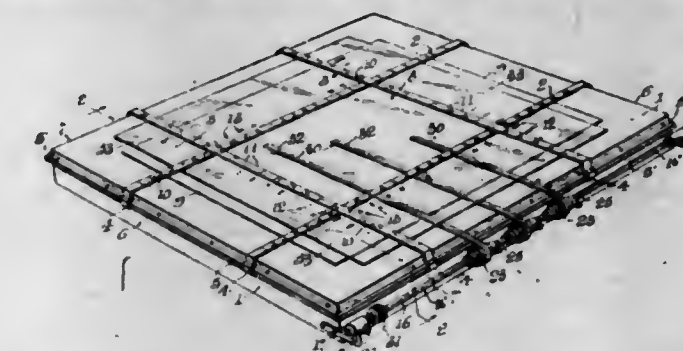
1. A chuck for use in frazing machines of a type having a milling tool, a frame capable of lineal and oscillatory movement in relation to said tool, a pattern shaft rotatably mounted in said frame

and a guide adapted to cooperate with a pattern on said shaft to control movements of said frame in accordance with said pattern, embodying therein a frame adapted to be mounted on said pattern shaft, a base supported thereby, a plurality of jaws pivotally mounted on and projecting from said base, a pin passing through said base and between said jaws having a wedge shaped head extending beyond the free ends of said jaws whereby with movement of said head towards and within said jaws outward pressure is developed adjacent the free ends of said jaws, a lever actuated means for imparting axial movement to said pin to move said head towards said jaws, and means acting independently of said lever actuating means for imparting a reverse movement to said pin to contract said jaws with movement of said head outwardly thereof and eject work from the chuck.

2,385,347

DEPICTING DEVICE

Paul A. Chadwell, Washington, D. C.
Application February 11, 1944, Serial No. 522,011
6 Claims. (Cl. 35-24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device of the class described comprising a member having a plane surface adapted to support a sheet of material thereon, side members supporting said plane surface, rail members longitudinally disposed on the outer surface of said side members, frame members slidably engaging parallel pairs of said rail members and adapted to slide over said plane surface demarcating any desired rectangular area thereof, spaced indicia on said frame members representing graphic coordinates, a longitudinally grooved shaft positioned longitudinally along and in spaced relation with a side member, frictional means normally holding said shaft in a non-rotative condition but permitting rotation thereof by force, hollow spools mounted on said shaft, means selectively positioning said spools in rotative and non-rotative conditions on said shaft, a spiral spring incased in each spool and attached at one end to said spool and having the other end thereof flanged to engage the longitudinally grooved shaft, and a strip of tape wound around said spool and attached at one end to said spool.

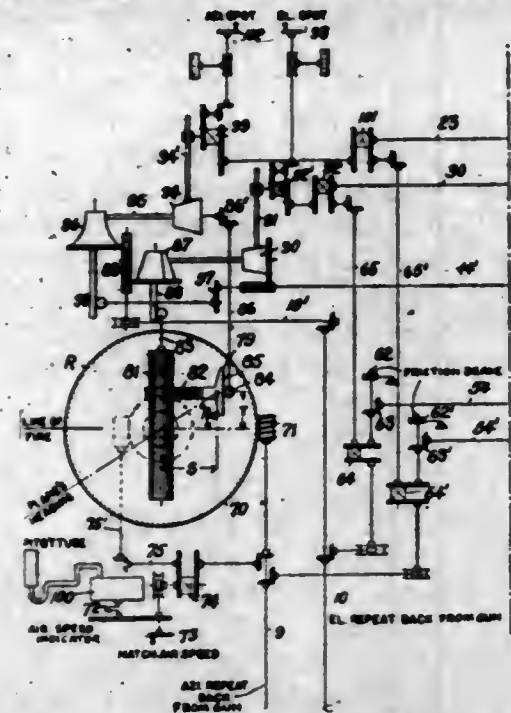
2,385,348

FIRE CONTROL SYSTEM FOR AIRCRAFT GUNS

Earl W. Chafee, New York, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application June 3, 1938, Serial No. 211,550
17 Claims. (Cl. 33-49)

1. In apparatus for applying a windage correction to the aiming angle of an airplane mounted gun during substantially level flight of the plane, means positioned in accordance with the azimuth angle of the gun relative to a normally horizontal axis of the plane, means for obtaining a meas-

ure of the airspeed of the plane as representing relative wind velocity effective in deflecting a projectile fired from the gun, means receiving said azimuth angle and wind velocity from said first two means and supplying as a function of said two quantities a measure of the horizontal component of wind velocity across the line of fire,

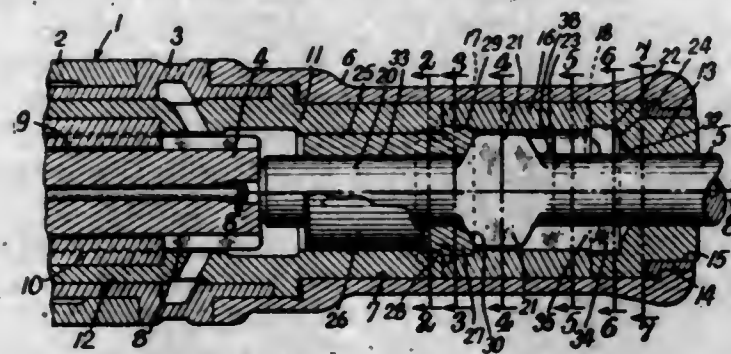


means positioned in accordance with gun elevation angle, means providing a measure of target range, and means receiving said wind component, gun elevation and target range from said several means and actuating wind correction means for altering the azimuth aiming angle of the gun in accordance with a function of said three received quantities.

2,385,349

CHUCK MECHANISM

John C. Curtis, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application February 2, 1944, Serial No. 520,764
8 Claims. (Cl. 279-19.3)

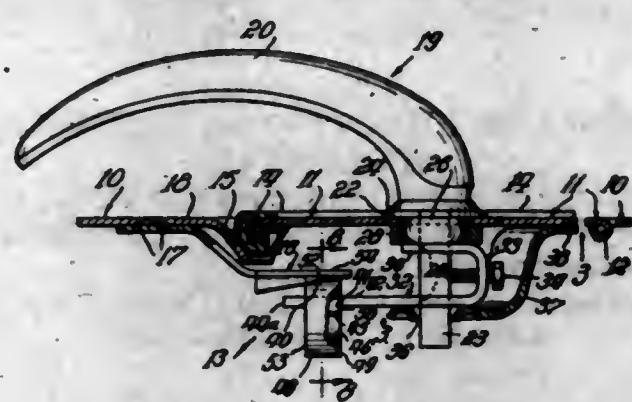


1. A chuck mechanism for use with a lugged drill steel comprising, in combination, a rotatable chuck sleeve, a steel-driver member detachably coupled to said sleeve, a steel-retaining member detachably coupled to said driver member and having a front key opening, said driver member having spaced projections at its forward end and said retaining member having a circular bore located rearwardly of said key opening and within which said projections project, said driver member having recesses between said projections which cooperate with said circular bore to provide a chamber in which the steel lugs are received after insertion of the lugs rearwardly through said key opening, said lugs being rotatable in the chamber so provided and said projections providing abutment surfaces which limit rotation of the lugs in the chamber, said driver member having longitudinal grooves which receive the lugs, said lugs when in engagement with said abutment surfaces being movable rearwardly into said grooves, and said grooves holding the drill steel against substantial rotation in either direction relative to said driver member.

2,385,350

ROLLER LATCH CONSTRUCTION

Arthur O. Dady, Flossmoor, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application March 26, 1942, Serial No. 436,357
7 Claims. (Cl. 292-239)

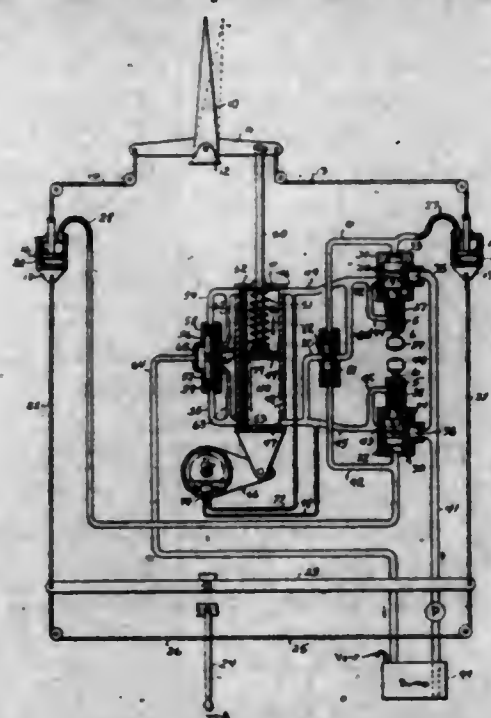


1. In a latch construction, means for cooperating with a striker, said means comprising a member having an arcuate intermediate portion, and a roller having a bore slidably rotatably fitted on said arcuate portion, said member having integral portions at the opposite ends of said arcuate portion and substantially engaging the ends of said roller.

2,385,351

CONTROL SYSTEM FOR HYDRAULICALLY ACTUATED DEVICES

Jess S. W. Davidsen, Mountain View, Calif.
Application June 23, 1942, Serial No. 448,163
18 Claims. (Cl. 244-85)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a fluid servo-motor system for supplying a force to a pivoted control surface of an aircraft assisting the force applied through a manually operable means, the combination comprising a fluid motor for supplying said assisting force, a fluid supply source for actuating said motor, a sealed fluid coupling the fluid in which is independent of that from said supply source, means connecting said manually operable means to said control surface through said fluid coupling whereby a force applied to said manually operable means will produce a pressure in said fluid coupling, valve means responsive to the fluid pressure in said coupling when the force applied to said manually operable means is in one direction to supply fluid from said supply source to said motor to produce said assisting force in such direction, valve means responsive to the fluid pressure in said coupling when the force applied to said manually operable means is in an opposite

direction to supply fluid from said source to said motor to produce said assisting force in an opposite direction, and means providing independent adjustment of the manual force necessary to operate each of said valve means whereby the manual force may be set to any desired fraction of the assisting force in either direction of movement of said control surface.

2,385,352

METHOD OF MAKING HOLLOW PANELS

Oliver Clarence Davis, Louisville, Ky., assignor to The Mengel Company, Louisville, Ky., a corporation of New Jersey
Application June 12, 1942, Serial No. 446,817
7 Claims. (Cl. 144-309)

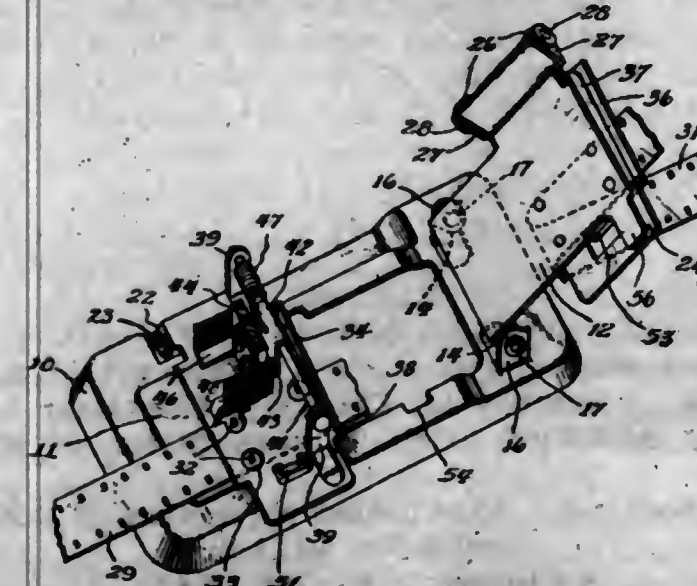


1. The method of making a hollow structural unit having two facing members of relatively thin material and a core structure between the facing members composed of a frame of relatively hard material and spacer members of relatively soft material disposed within the frame which comprises; assembling the facing members and the core structure as aforesaid with an adhesive interposed between the abutting faces thereof; applying a relatively high pressure to the external face of each facing member, and substantially simultaneously therewith applying a lower pressure to the internal face of each facing member to oppose the relatively higher pressure applied to the external faces of the facing members.

2,385,353

FILM SPLICER

Leo Frankel, Chicago, Ill., assignor, by mesne assignments, to Franklin Photographic Industries, a limited partnership
Application March 1, 1941, Serial No. 381,255
7 Claims. (Cl. 154-42)



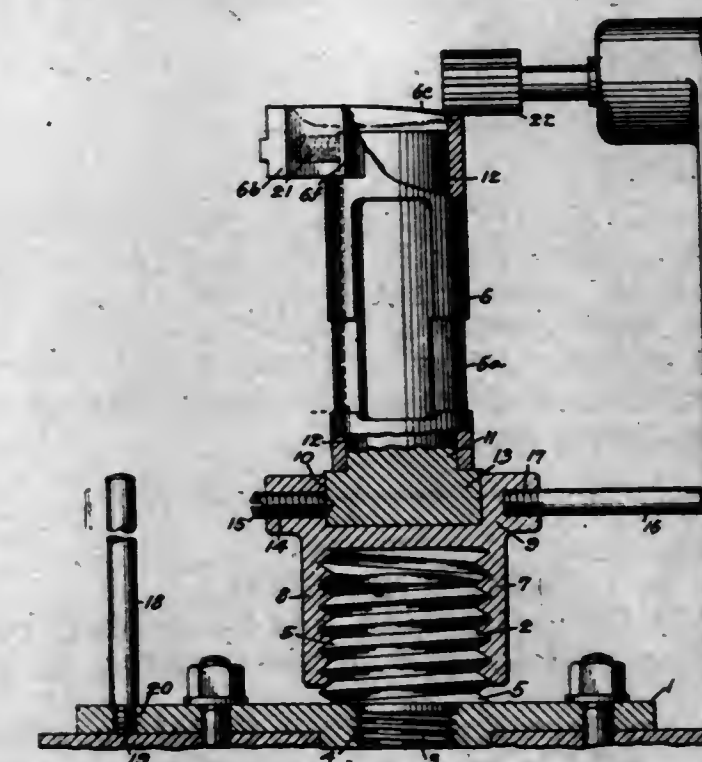
1. A film splicer comprising a pair of film holding assemblies, each including a base plate and

a clamping plate, a rod supported on one clamping plate transversely of a film held thereby, a film scraper mounted on said rod and having a film abrading portion positioned to engage an exposed portion of a film near the clamping plate, a spring disposed between the scraper and clamping plate tensioned normally to rock said scraper toward the said exposed portion of film into scraping position and bodily along the axis of the rod, and latch means on the clamping plate for preventing rocking of the scraper toward said exposed portion of film when the scraper is not in use.

2,385,354

FIXTURE

Leodor H. Gaudreau, Ludlow, Mass.
Application April 13, 1943, Serial No. 482,864
1 Claim. (Cl. 90-13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A fixture for producing a helical surface on the end of a tubular member comprising a base, a threaded post member secured to said base, a support member having a cylindrical portion constructed to be insertable within the tubular member, means for securing the tubular member to said cylindrical portion, a threaded portion on said support member coaxial with said cylindrical portion and engaging said threaded post member, the lead of said threads corresponding to the lead of the desired helical surface, means for rotating said support member with respect to said base whereby the end of the tubular member may be helically advanced with respect to a cutting tool, and means for limiting the rotation of said support member with respect to said base to substantially one turn.

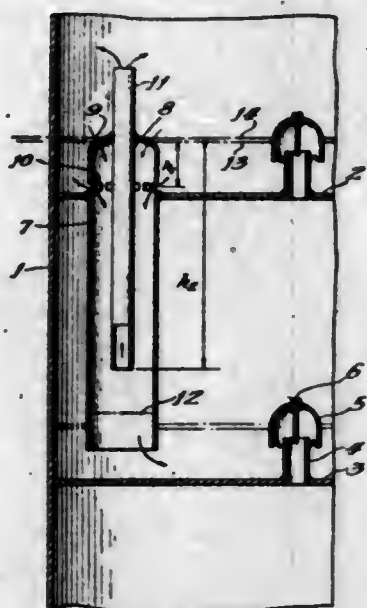
2,385,355

DOWNSPOUT FOR BUBBLE TRAYS

Clarence G. Gerhold, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application November 15, 1943, Serial No. 510,284
6 Claims. (Cl. 261-110)

1. In a fractionating column provided with a plurality of vertically spaced bubble trays, downspouts for said trays each of which comprises in combination a vertically disposed conduit extending through one of said trays provided with a closure member at its upper end and open at its lower end, the lower end of said conduit ter-

minating at a point substantially below said tray but above the next lower tray in said fractionating column, said conduit being provided with at least one port therethrough at a point immediately above said tray but below the normal liquid level to be maintained thereon, said conduit being provided with at least one port positioned ap-

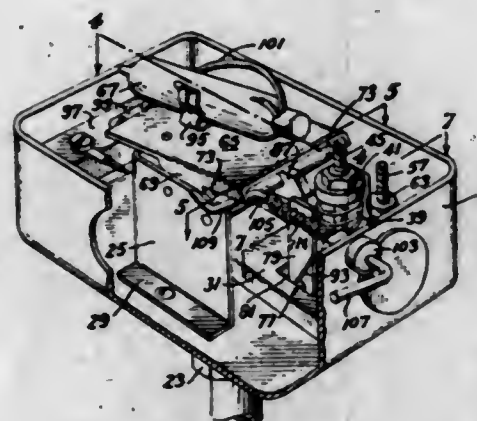


proximately at said liquid level and a second conduit extending vertically downward from a point substantially above said normal liquid level through said closure means to a point a substantial distance below said first mentioned tray but terminating short of the lower end of said first mentioned conduit.

2,385,356

SWITCH ASSEMBLY

James N. Gilman, Oakland, and Chandler C. Ross, Alameda, Calif.; said Ross assignor to said Gilman
Application December 16, 1940, Serial No. 370,262
5 Claims. (Cl. 200-83)

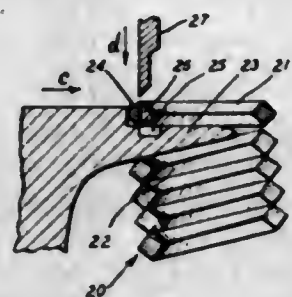


1. A switch assembly comprising a table; a clip affixed to one side of said table with its mounting axis normal to the surface of said table; means for pivotally supporting said table in a receptacle, on an axis normal to the mounting axis of said clip and with the clip side of said table facing an open side of said receptacle; independent pressure means associated with said table and disposed in said receptacle to permit access to said clip through said open side of the receptacle, said means being capable, when in one position, of imparting angular movement in one direction to said table, and capable when in another position, of imparting angular movement thereto in a reverse direction; means for shifting said pressure means between such positions in accordance with conditions apt to exist in apparatus to be controlled by said switch assembly; and a cover enclosing the open side of said receptacle.

2,385,357

METHOD OF RECESSING WIRE COILS

Otto Haas, Richmond Hill, N. Y., assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y., a corporation of New York
Application April 26, 1944, Serial No. 532,717
9 Claims. (Cl. 10-1)

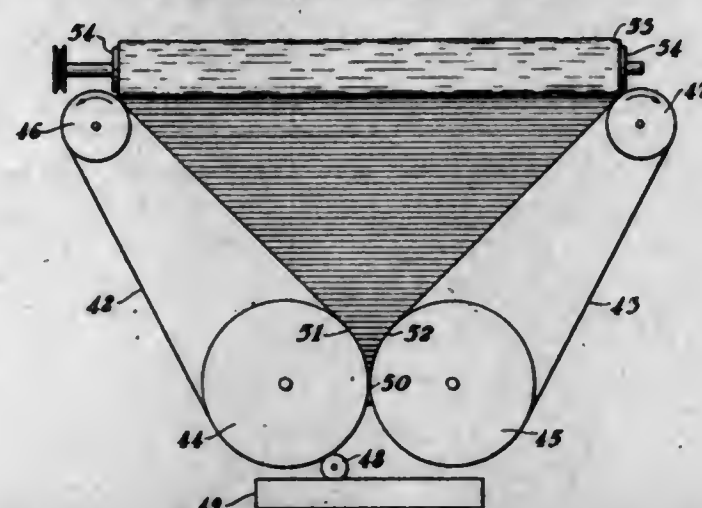


1. A method of producing a substantially cylindrical wire coil having a notch or recess on a peripheral side of one of its end convolutions which comprises winding a wire in a substantially cylindrical coil of desired shape, diameter and pitch of the finished product, bending an arc portion of the end convolution from its original position in relation to the subsequent convolution, working a notch or recess of desired shape into said arc while holding it in the bent position, releasing said arc from hold and restoring its original position in relation to the subsequent convolution.

2,385,358

METHOD OF MAKING FINE FIBERS

Alden W. Hanson, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application September 15, 1944, Serial No. 554,210
9 Claims. (Cl. 18-54)



1. The method of making fine fibers, which includes: continuously conveying through an elongated pressure zone a liquid fiber-forming composition capable of adhering to opposed pressure members defining said zone, releasing the pressure on said liquid to produce a multiplicity of opposed pairs of fiber necks on said opposed pressure members, each of said pairs connected by a single filament, and drawing fibers from said necks at a continuously increasing rate.

2,385,359

CELLULOSE ETHER COMPOSITION

Melvin J. Hunter and Earle L. Kropscott, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application November 27, 1942, Serial No. 467,150
7 Claims. (Cl. 106-182)

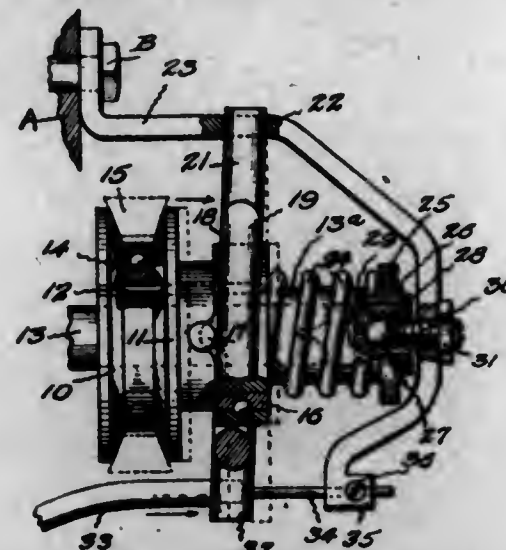
1. A plasticized thermoplastic composition characterized by its high degree of flexibility and by its high resistance to impact at tempera-

tures as low as -40°C , which includes ethyl cellulose and a compatible amount greater than 8 per cent by weight of an alkyl ester of an acid selected from the class consisting of hydroxy- and acyloxystearic acids.

2,385,360

V-BELT CLUTCH ASSEMBLY

Allen O. Johnson and Harold W. Elsner, Burbank, Calif.
Application November 12, 1943, Serial No. 510,026
5 Claims. (Cl. 74-230.17)



1. A V-belt clutch of the class described comprising a pulley having a fixed section and a movable section, said fixed section having a sleeve projecting through the movable section, a spring carried by the sleeve, a bearing carried by the movable section and engaged by said spring for holding the movable section in contact with the fixed section, a hanger adapted to be secured to a support, a control arm fulcrumed on said hanger, a ring carried by the control arm and surrounding said bearing, inwardly extending pins carried by the ring and contacting said bearing for moving said movable section to a disengaging position relative to the fixed section, and means for swinging said control arm to move said movable section to a disengaging position.

2,385,361

SOLIDIFIED NORMALLY LIQUID HYDROCARBONS

Albert Joseph Laliberte, Naugatuck, Conn., assignor to Safety-Fuel Incorporated, West Cheshire, Conn., a corporation of Connecticut
No Drawing. Application March 18, 1942, Serial No. 435,165
6 Claims. (Cl. 44-7)

1. Method for solidifying normally liquid inflammable hydrocarbons which comprises reacting a solution, in said hydrocarbon, of at least one organic acid, saponifiable to produce a voluminous metallic soap gel substantially insoluble in said hydrocarbon, with a saponification agent, suspended with agitation in said hydrocarbon in substantially dry pulverulent form, of the type reactable with said compound to thereby form said soap gel and comprising at least one member selected from the group consisting of sodium hydroxide and sodium alcoholates, and permitting the materials to remain substantially quiescent during at least the last stages of the reaction, the viscosity of the mix and the particle size of the said saponification agent being so coordinated as to substantially maintain said saponification agent in suspension during at least said last stages, agitation being discontinued not earlier than the point at which said coordinated viscosity is present, said organic acid being at

2,385,362

SOLIDIFIED NORMALLY LIQUID HYDROCARBONS

Albert Joseph Laliberte, Naugatuck, Conn., assignor to Safety-Fuel Incorporated, West Cheshire, Conn., a corporation of Connecticut
No Drawing. Application March 18, 1942, Serial No. 435,168
3 Claims. (Cl. 44-7)

1. Method of making a substantially homogeneous solidified hydrocarbon product from a substantially granular non-homogeneous solidified hydrocarbon material which comprises heating such hydrocarbon material without substantial removal of hydrocarbon, said hydrocarbon material containing as solidificant a voluminous soap gel, being at least one member selected from the group consisting of higher aliphatic acid soaps and rosin soaps and non-melting when burning, and permitting said hydrocarbon material to cool while quiescent in the presence of a relatively small amount of alcohol not appreciably exceeding 3% by weight of the hydrocarbon present without substantial amounts of alcohol being removed during cooling.

2,385,363

SOLIDIFIED NORMALLY LIQUID HYDROCARBONS

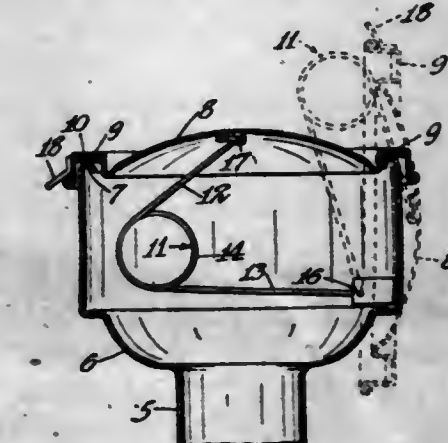
Albert Joseph Laliberte, Naugatuck, Conn., assignor to Safety-Fuel Incorporated, West Cheshire, Conn., a corporation of Connecticut
No Drawing. Application March 18, 1942, Serial No. 435,170
6 Claims. (Cl. 44-7)

1. Method for solidifying normally liquid inflammable hydrocarbons which comprises reacting a rosin solution in said hydrocarbon with a saponification agent of the group consisting of sodium hydroxide and sodium alcoholates suspended in said hydrocarbon in substantially dry pulverulent form, of the type reactable with said rosin to thereby form a voluminous metallic soap gel from limitedly soluble to insoluble in said hydrocarbon, in the presence of an aliphatic substantially water-soluble alcohol in amount not substantially in excess of 3% of the hydrocarbon.

2,385,364

ATTACHED FILLER CAP

Robert E. Larson, St. Paul, Minn.
Application November 18, 1942, Serial No. 466,077
4 Claims. (Cl. 220-37)



1. The combination with a filler tube and a cap therefor, said cap having a hinge lug at its

central portion and said tube at one side is formed with spaced hinge lugs, of a duplex V-shaped spring formed from a single piece of wire, the upper arms of said spring being connected at their ends and the connecting part between said arms being extended through and pivoted in the hinge lug on said cap, and the lower arms of which spring being provided with laterally turned ends pivoted in the spaced lugs on said tube.

2,385,365

SALICYLIC ACID COMPOUNDS FOR SAFER THERAPEUTIC USE

Karl Paul Link, Madison, Wis., assignor to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin
No Drawing. Application February 17, 1943, Serial No. 476,211

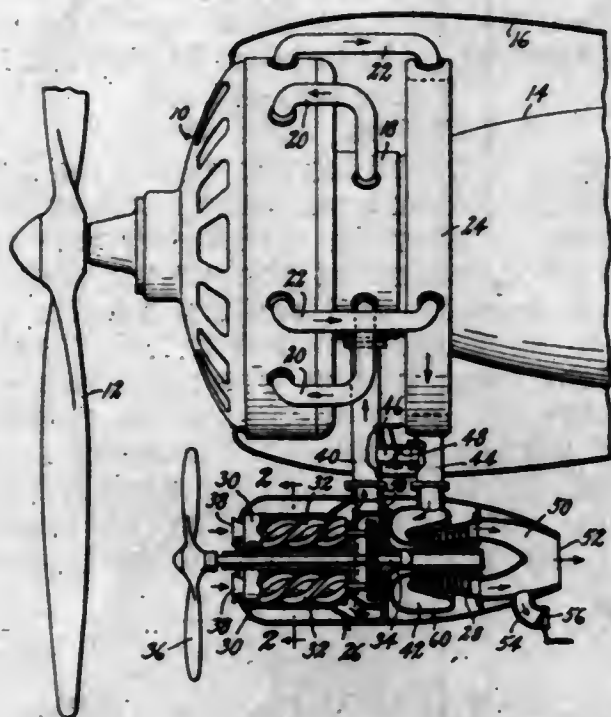
8 Claims. (Cl. 167-65)

5. An antihypoprothrombinemia salicylic acid preparation, comprising a salicylic acid compound, and a vitamin K compound, said salicylic acid compound being relatively water-insoluble when the vitamin K compound is relatively water-insoluble.

2,385,366

POWER PLANT FOR AIRCRAFT

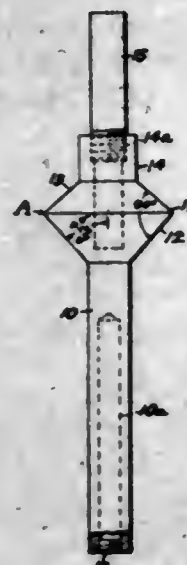
Alf Lysholm, Stockholm, Sweden, assignor, by mesne assignments, to Jarvis C. Marble, Leslie M. Merrill, and Percy H. Batten, as trustees
Application April 18, 1939, Serial No. 268,540
In Great Britain April 19, 1938
7 Claims. (Cl. 170-135.5)



1. A power plant for aircraft propulsion including an internal combustion engine, a propeller driven by said engine, an exhaust gas turbine independent of said engine with respect to speed of operation, an exhaust conduit for conducting exhaust gases from the engine to the turbine, an air compressor driven by the turbine, an exhaust nozzle associated with the turbine for exhausting gases therefrom at high velocity to produce a rocket propulsion effect, said nozzle being closed against admission thereto of material quantities of air at atmospheric pressure, and means for controlling the mechanical power output of said turbine comprising an auxiliary exhaust gas conduit leading from said turbine and a valve for controlling flow through said auxiliary conduit.

2,385,367 APPARATUS FOR INSPECTING FLASH HOLES IN PRIMER TUBES

Leo Meister, Irvington, N. J.
Application July 20, 1942, Serial No. 451,679
3 Claims. (Cl. 88-14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

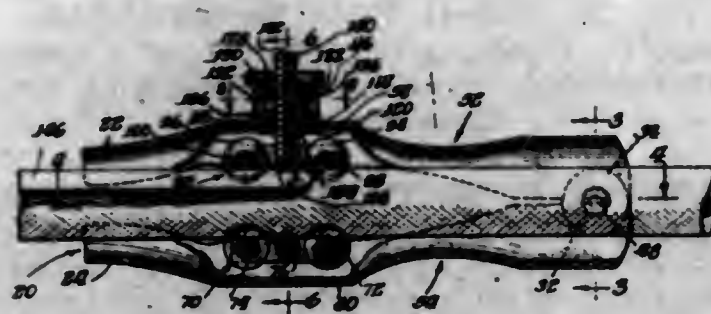


1. An article of manufacture comprising a transparent cylindrical body having a truncated conical portion of transparent material coaxially joined thereto, a second conical portion, also of transparent material, coaxially mounted on the base of the first conical portion in inverted relationship thereto, with the outer boundary line thereof meeting the outer boundary line of the joined conical portion, the cylindrical body having a ground surface and being tubular at the end opposite the joined end, and a metal plug closing the tubular end and having a polished surface facing the interior of the body.

2,385,368

CABLE SLITTER

Robert J. Montgomery, Chicago, Ill., assignor to Henrietta G. Montgomery, Chicago, Ill.
Application June 1, 1942, Serial No. 445,330
14 Claims. (Cl. 30-91)

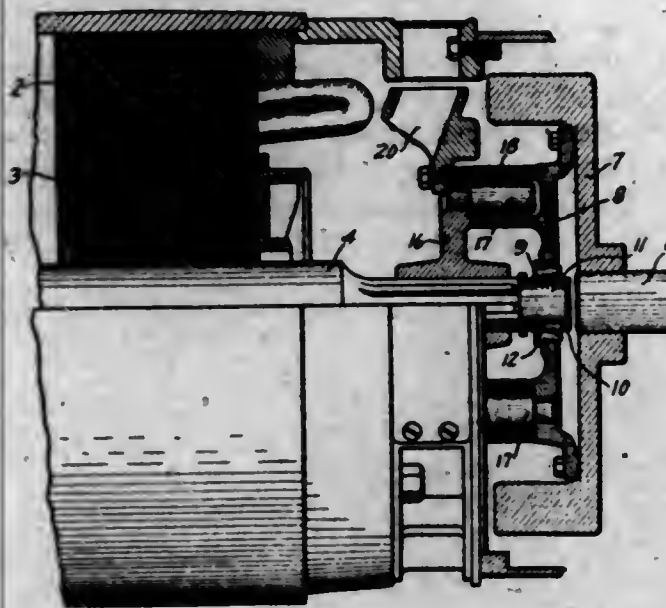


7. A cable slitter and insulation cutter comprising a pair of hinged connected arms, cutting means mounted on one of said arms and cable engaging means mounted on the other of said arms, said cable engaging means including spool supporting means and a pair of spools rotatably mounted on said spool supporting means and respectively engaging a cable to be cut on opposite sides of said cutting means to press said cable into engagement with said cutting means, said spool supporting means being pivotally mounted on said other arm for limited pivotal movement about an axis in alignment with said cutting means.

2,385,369

SHAFT COUPLING

Richard A. Nickamp, Dayton, Ohio, assignor to The Master Electric Company, Dayton, Ohio, a corporation of Ohio
Application June 28, 1940, Serial No. 343,013
3 Claims. (Cl. 64-11)



1. A power transmission assembly, of the type wherein a resilient coupling interconnects the shafts for unison rotation and against the yielding resistance of which the shafts are capable of limited differential adjustment, including a universal coupling for the shafts additional to said resilient coupling, characterized by a mount carried by one of the shafts having an oppositely flaring bore, a bearing sleeve for the other of said shafts positioned within the oppositely flaring bore, relatively spaced annular grooves in one of the contiguous faces of said bearing sleeve and mount, packing rings seated in said annular grooves and bearing on the other of said members and a closure disc located beyond the end of the shaft in one end of the oppositely flaring bore of the mount.

2,385,370

PRODUCTION OF RESINOUS COMPOSITIONS
Arthur J. Norton, Wells, Maine, assignor to Pennsylvania Coal Products Company, Petrolia, Pa., a corporation of Pennsylvania
No Drawing. Application March 31, 1941, Serial No. 386,163
26 Claims. (Cl. 260-54)

1. The method of making a resin characterized by uniform properties comprising forming a mixture of a dihydroxy benzene, a non-alkaline catalyst, and a liquid diluting medium adapted to assist in preventing premature setting-up of the reaction product, heating the mixture under reflux conditions for a time and to a temperature adapted to insure substantially instantaneous and complete action of a subsequently added aldehyde, treating said heated mixture with successive increments of an aldehyde so that at no time is there an excess of aldehyde present, continuing the reflux heating of the mixture to allow the reaction to attain ultimate completeness whereby a homogeneous viscous liquid is produced, removing water from the latter to form a liquid which will on cooling solidify, cooling and solidifying the latter, and mixing the solidified mass with a potential hardening agent, said mixture upon solution in a volatile solvent being adapted to remain stable for relatively long periods of time.

2,385,371

ABRASIVE ARTICLE AND METHOD OF MANUFACTURING THE SAME

Philip Hamilton Rhodes, Portland, Maine, assignor to Pennsylvania Coal Products Company, Petrolia, Pa., a corporation of Pennsylvania
No Drawing. Application November 13, 1941, Serial No. 419,029
16 Claims. (Cl. 51-298)

1. The method of manufacturing abrasive articles comprising mixing a mass of abrasive particles with a heat-hardenable adherable mixture of a dihydroxy benzene-aldehyde resin and a methylene-containing setting and hardening agent in a quantity to harden the resin, and curing the mixture of the abrasive particles and the resin mixture at a temperature varying from 80° to 125° C. whereby the resin is converted into a hard infusible insoluble cementing medium cementing the abrasive particles together.

2,385,372

PRODUCTION OF RESIN

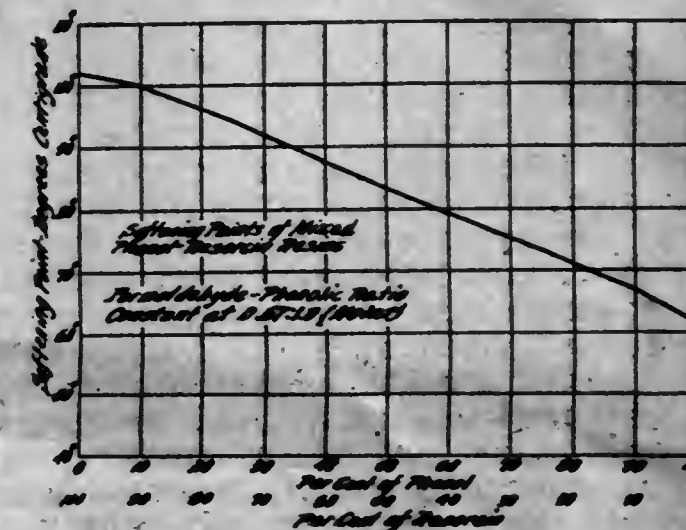
Philip Hamilton Rhodes, Portland, Maine, assignor to Pennsylvania Coal Products Company, Petrolia, Pa., a corporation of Pennsylvania
No Drawing. Application January 13, 1942, Serial No. 426,629
20 Claims. (Cl. 260-54)

1. The method of producing a permanently fusible resin containing as its essential ingredient a resorcin-aldehyde resin comprising initiating reaction between resorcin and an aldehyde by heating in the absence of a catalyst, adding a small amount of a catalyst selected from the group consisting of acid and alkaline catalysts to the reaction mass toward the end of the reaction before any substantial gelation occurs and all of the aldehyde is reacted, heat reacting the remainder of the aldehyde with the resorcin in the presence of the catalyst, the complete amount of aldehyde reacted during said steps being only sufficient to produce a permanently fusible resin, said reaction mass being maintained within a temperature range which assists in initiating the reaction and in thereafter continuing the same, and removing water from the resulting liquid resin.

2,385,373

METHOD OF PRODUCING A RESIN AND PRODUCT DERIVED THEREFROM

Philip Hamilton Rhodes, Portland, Maine, assignor to Pennsylvania Coal Products Company, Petrolia, Pa., a corporation of Pennsylvania
Application August 12, 1942, Serial No. 454,606
13 Claims. (Cl. 260-54)



1. The method of producing a permanently fusible resinous mass comprising forming under

reflux conditions and in the presence of an acid catalyst an undehydrated reaction product of a monohydric phenol body with an aldehyde, substantially all the latter being reacted with the former the ratio of the aldehyde to the phenol being maintained to produce a permanently fusible resin, separately dissolving a polyhydroxy benzene body in an aldehyde, while substantially inhibiting any reaction between said constituents during the solution step, the ratio of the aldehyde to the polyhydroxy benzene being maintained to produce a permanently fusible resin adding said solution to the undehydrated reaction product while the latter is maintained at an elevated reaction temperature, thereby, reacting the constituents of said solution in the presence of the acid catalyst and in the presence of said monohydric phenol-aldehyde reaction product until substantially all of the aldehyde is combined with said polyhydroxy benzene, and dehydrating the resulting reaction mass.

2,385,374

AQUEOUS BONDING COMPOSITION

Philip Hamilton Rhodes, Portland, Maine, assignor to Pennsylvania Coal Products Company, Petrolia, Pa., a corporation of Pennsylvania
No Drawing. Application December 3, 1942,
Serial No. 467,788

6 Claims. (Cl. 260—30)

4. An aqueous bonding liquid containing a heat-reactive mixture of hexamethylene tetramine and an aqueous solution of a resinous reaction product of a mixture of an aldehyde and a dihydroxy benzene in the molecular ratio of .6 to .95 of the aldehyde to 1.0 of the dihydroxy benzene, said aqueous solution having a pH varying between about 7 and about 9, thereby permitting dilution to a resin-solids-content lower than 30% while remaining stable.

2,385,375

FEED SECTION UNIT FOR ELECTRIC WIRING SYSTEMS

Joseph F. O'Brien, Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application May 12, 1942, Serial No. 442,594
5 Claims. (Cl. 173—334.1)



1. A feed section for an electric wiring system embodying a series of interconnected conductor-containing units: comprising a substantially fully enclosed, hollow, junction head having access openings at a plurality of positions for the introduction into said head of electricity conductors, removable closure plugs for said access openings, an elongate body portion extending laterally from said head, said body portion including separable base portions defining a chamber extending substantially the length thereof, said body having a contour substantially matching the contour of the units of said wiring system and arranged for mechanical interconnection with an adjacent unit, electricity conductors disposed within the chamber of said body portion and arranged for direct electrical connection with conductors of an adjacent unit, connection means secured to each of said body portion con-

ductors, said conductors and associated connection means being individually removable as a unit, and said body portion being in communication with said head, whereby the conductors introduced into said head may be brought into said body portion for attachment to the connection means therein.

2,385,376

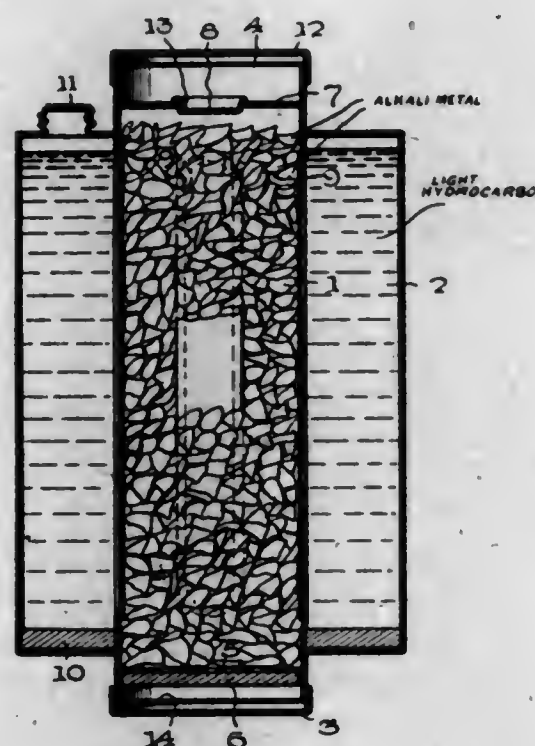
MARINE FLARE

Frank Lawson Ogle, Liverpool, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

Application October 7, 1943, Serial No. 505,416

In Great Britain October 7, 1942

7 Claims. (Cl. 9—8.3)



1. A marine flare comprising a container which will float in water in a given position, said container having a compartment containing a light hydrocarbon and a compartment containing an alkali metal, said alkali metal-containing compartment having an opening therein below the water level to permit flow of water to said compartment when said container is afloat, partitioning means between said compartments, said partitioning means composed of a material which will be removed as a result of the reaction of water and alkali metal to form a passageway between said compartments, and means actuated by the pressure generated by said reaction to open said alkali metal-containing compartment to the atmosphere.

2,385,377

RESIN PLASTICIZER

Carl Opp, Cincinnati, Ohio, assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application July 28, 1943,

Serial No. 496,483

1 Claim. (Cl. 260—22)

As a plasticizer for cellulose acetate, cellulose aceto propionate, and the like, the resinous reaction product of reactants consisting of approximately 37.5 parts by weight sebacic acid, 28.6 parts by weight succinic anhydride, 19.3 parts by weight ethylene glycol, 14.6 parts by weight glycerol, and 15–25 parts by weight castor oil.

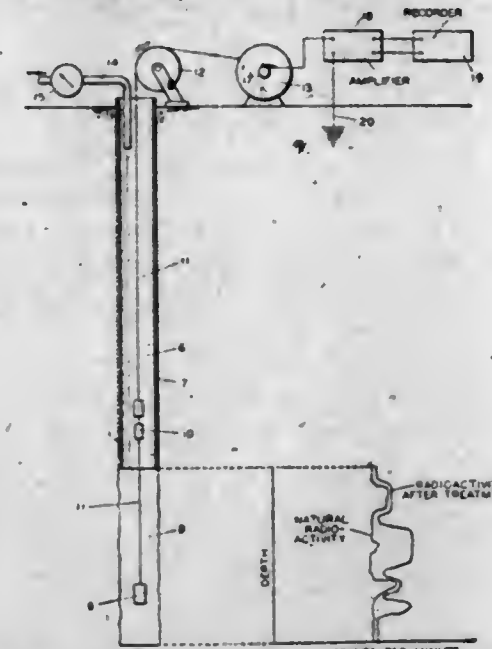
2,385,378

WELL SURVEYING

Raymond G. Piety, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application June 11, 1942, Serial No. 446,680

9 Claims. (Cl. 250—83.6)



1. The method of surveying a well bore to determine at least one relationship of the relationships of approximate depth, approximate linear extent in depth, and approximate ability to receive additional fluid in situ, of earth formations in the uncased portion of the well, comprising in combination the steps of making a first radioactivity log of the natural radioactivity of the formations in situ in the well, injecting finely divided solid material having radioactivity into a section of the fluid in the well above the portion of the well in which the survey is to be made, forcing the well fluid down and out of the well into such of the earth formations as will receive the well fluid, making a log of the velocity of an interface of said section and the other well fluid, making a second log of the radioactivity of the formations in situ in the well, making at least one later log of the radioactivity to determine leaching and determining from comparison of said logs at least one of said relationships.

2,385,379

MANUFACTURE OF PIGMENTS AND PRODUCTS MADE THEREWITH

Harold R. Rafton, Andover, Mass., assignor to Raffold Process Corporation, a corporation of Massachusetts

No Drawing. Application July 20, 1940,

Serial No. 346,661

19 Claims. (Cl. 106—306)

1. In the treatment of pigment comprising artificially prepared calcium carbonate to modify characteristics thereof, the improvement which consists in submitting said pigment to a mechanical processing action in which said pigment, the particles thereof being substantially in contact, is subjected to compressing means substantially as described for a period of not over substantially one second, said action being of intensity not less than that which would be obtained by passage between a pair of rotating 6 inch diameter equal speed hard surface cylindrical rolls rotating in opposite directions, with axes substantially parallel, urged toward each other to provide a pressure not less than 25 lbs. per linear inch, and said intensity being sufficient to effect a substantial change in the properties of said pigment including the reduction of its oil absorption and of its adhesive requirement to not more than 90% of their respective original values.

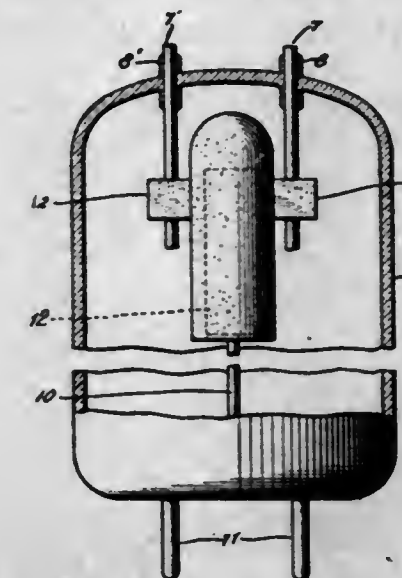
2,385,380

ELECTRODE SUPPORT AND CONTACTING MEANS

Harry L. Ratchford, Williamsport, and Harry Smithgall, Jr., Montoursville, Pa., assignors to Sylvania Electric Products Inc., Emporium, Pa., a corporation of Massachusetts

Application January 6, 1944, Serial No. 517,168

5 Claims. (Cl. 250—27.5)



1. In combination, a graphite electrode having at least one flange with an opening there-through, a tungsten wire which is a tight fit in said opening when cold, said wire having a pre-oxidized tungsten-oxide surface whereby the overall cross-sectional expansion of the support is approximately the same as the expansion of the region of said flange surrounding said opening.

2,385,381

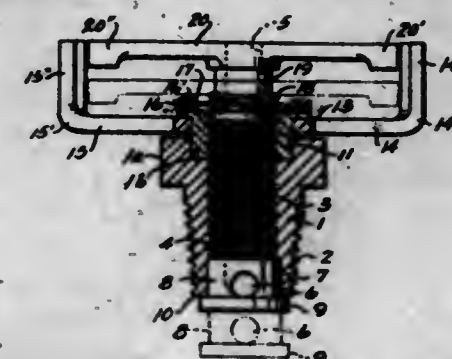
SAFETY LOCKING DEVICE

David Samiran, Osborn, Ohio

Application March 27, 1943, Serial No. 480,873

8 Claims. (Cl. 137—34)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

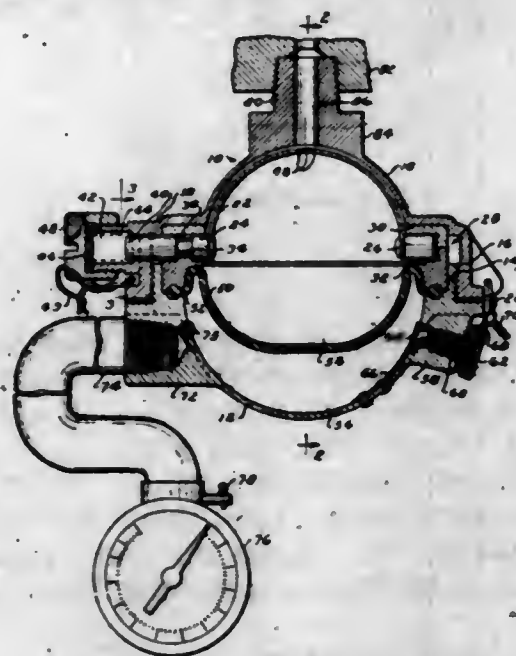


4. In a safety device of the class described, a drain cock body, a rotary drain valve-operating stem therefor having a laterally extending operating handle rotatable in a plane substantially at right angles to the rotary axis of said stem to move the drain valve-operating stem to drain and non-drain positions, a jam nut threaded on said stem and rotatable into jamming relation with said body to lock said stem in non-draining position, said stem having a reduced portion adjacent said handle formed to receive said jam nut when rotated away from jamming relation with respect to said body and to permit free rotation thereof while on said reduced portion, spring means between the jam nut and the stem handle for resiliently urging said jam nut toward said threaded stem portion when on said reduced portion said jam nut having an elongated actuating handle member extending thereon and disposed in a plane substantially parallel to the rotative plane of the first mentioned handle and having the outer extremity thereof bent laterally

toward the extremity of the other handle member on the stem and disposed in flush relation thereto, to occupy a close adjacent relation to the outer extremity of the stem operating handle when the jam nut is in jamming relation with the body and said drain valve-operating stem is in non-draining position.

2,385,382 SAFETY DEVICE FOR GASOLINE OR OIL GAUGES

David Samiran, Osborn, Ohio
Application July 13, 1944, Serial No. 544,805
3 Claims. (Cl. 73-395)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a fluid pressure system of the class which comprises a pressure gauge, a source of pressure to be gauged, a safety housing, a flexible diaphragm normally intermediate the end walls of said housing separating said housing into a gauge compartment and a pressure source compartment, a passageway connecting said pressure source to said pressure source compartment, a passageway connecting said gauge to said gauge compartment, and a filler passageway communicating with said gauge compartment and said gauge, the improvement in said system which comprises a supporting means for said flexible diaphragm in the form of a hemispherical cup pivotally supported on the sphere axis and rotatable thereon to an inoperative position wherein the open side of the cup is toward the diaphragm, and rotatable to an operative position one hundred eighty degrees from the inoperative position, and means for rotating said supporting means from one of its positions to the other.

2,385,383 PROCESS OF PREPARING MELAMINE RESIN AND PRODUCT THEREOF

Paul C. Schroy, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 13, 1940, Serial No. 356,655
4 Claims. (Cl. 260-72)

1. A process which comprises reacting about $2\frac{1}{2}$ to 4 mols of formaldehyde with 1 mol of melamine at a pH of about 6.2-6.4, at a temperature of 50-90° C. for about one-half hour, adjusting to a pH above 7, dehydrating with heat under a vacuum, maintained so that the temperature is high enough to keep the resin fluid, cooling the resin when substantially dry and grinding the resulting product to a fine powder.

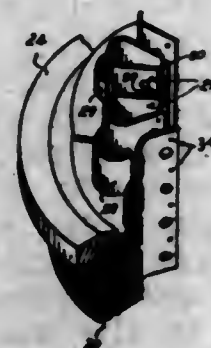
2,385,384 HEAT-TREATED ASBESTOS FILLED MOLDING COMPOSITION

Paul C. Schroy, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 5, 1941, Serial No. 405,538
10 Claims. (Cl. 260-38)

1. A composition comprising a thermosetting condensation product which may be polymerized to the substantially infusible and insoluble stage under alkaline conditions and asbestos fiber which has been heat-treated before mixing with the condensation product at a temperature between about 900° F. and about 1400° F.

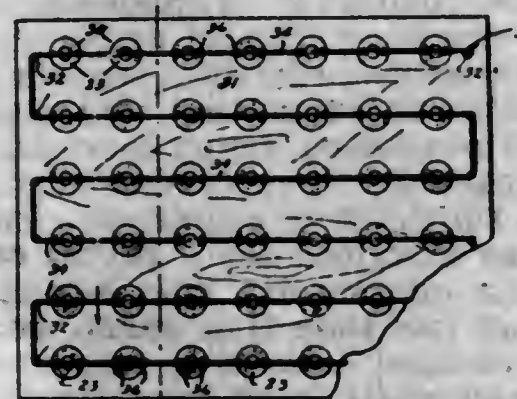
2,385,385 LIQUID-TIGHT STATOR

Frank J. Sigmund and William S. Hlavin, Cleveland, Ohio, assignors, by mesne assignments, to Sigmund Corporation, a corporation of Ohio
Application July 9, 1942, Serial No. 450,240
10 Claims. (Cl. 171-252)



1. A liquid-tight winding element for a dynamo electric machine comprising a magnetizable core having a plurality of winding slots, a winding comprising coils with coil sides in said slots, sleeve means extending through the slots for stabilizing the coil sides in the slots at a distance from the inside surface of the slots, spacing means located at the ends of the core for holding the sleeve means away from the inside surface of the slots, and a mass of castable insulating material in the slots comprising a liquid proof container about each coil side and the sleeve means in the slots.

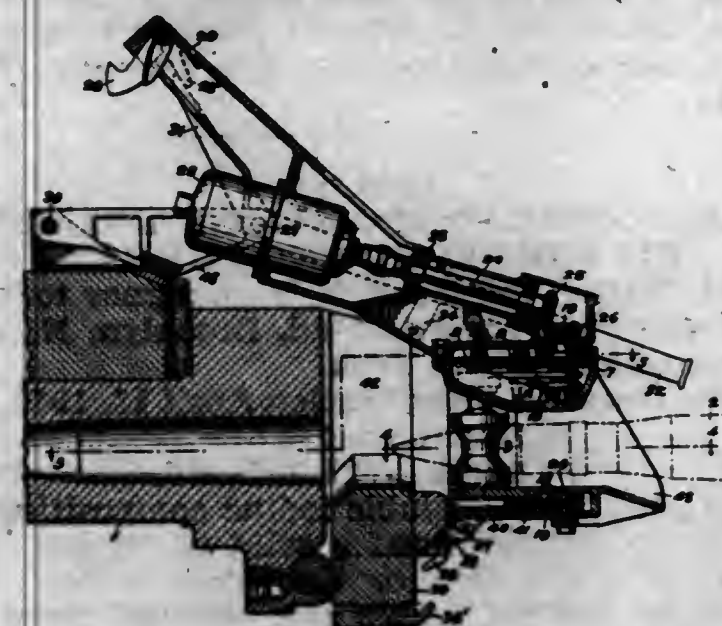
2,385,386
METHOD OF MAKING RESISTORS
Lester L. Stoffel, Lakewood, Ohio, assignor to The Ohio Carbon Company, Cleveland, Ohio, a corporation of Ohio
Application May 7, 1943, Serial No. 486,022
10 Claims. (Cl. 201-63)



1. The method of making electrical resistors, comprising placing a conductor across a row of resistor elements, securing the conductor to each element at two spaced regions, and thereafter severing the conductor intermediate the elements, and also intermediate said regions thereby to provide each element with a pair of spaced conductors.

2,385,387 APPARATUS FOR LOADING GUNS

Galen M. Taylor, U. S. Army, Cooper, Tex.
Application May 17, 1941, Serial No. 393,906
9 Claims. (Cl. 82-45)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination with a gun, ammunition feeding mechanism comprising a plurality of rotatable rollers aligned to engage and propel a cartridge along a line extending through the axis of the gun, a mounting for said rollers, means for pivoting said mounting about a point on said gun, a handle pivoted about the same point on the gun, stop means on the mounting for limiting the motion of the handle relative to the mounting, means comprising the handle for rotating the mounting and the enclosed rollers out of said aligned position to a second position, co-operating latching means on the gun and mounting for latching the mounting in said second position, and means responsive to the relative movement between the handle and mounting for releasing said latch.

2,385,388 BEARING SEAL

Einar Thoresen, Pittsburgh, Pa., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 23, 1943, Serial No. 473,289
4 Claims. (Cl. 288-3)



1. A laterally flexible annular bearing seal comprising an inner annulus having spaced radially extending thin flexible metallic flanges providing an outwardly open channel; a laterally flexible thin metallic apertured disk having its inner periphery disposed in said channel, the aperture in said disk being substantially larger in diameter than the diameter of the bottom of said channel; the width of said channel being greater than the thickness of said disk by an amount just sufficient to provide a running clearance while maintaining a seal between said disk and said flexible flanges, and the diameter of said disk being larger than the diameter of said annulus by a substantial amount sufficient to provide an appreciable laterally flexible annular

region in said disk to permit axial displacement of said annulus relative to the periphery of said disk without creating excessive shear forces in said disk or said flanges or excessive friction therebetween.

2,385,389 TUBING CONSTRUCTION

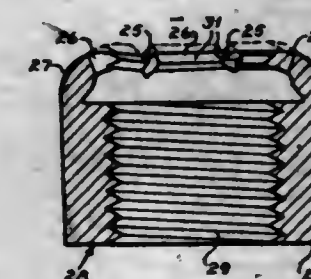
George Toepper and John F. P. Farrar, Maywood, Ill., assignors to Chicago Metal Hose Corporation, Maywood, Ill., a corporation of Illinois
Application February 8, 1941, Serial No. 378,106
1 Claim. (Cl. 138-59)



A composite hose structure comprising an inner core of spiral wound wire, a wall comprising a plurality of layers of cellulose tape spirally wound about said core, a filament of spirally wound about said tape under sufficient tension to force spaced portions of said wall inwardly between the convolutions of said core whereby to impart to said wall an undulating configuration, and an outer jacket of flexible material molded directly onto said filament and said wall and conforming to the contour thereof, whereby upon the thermofixing of said moldable material the outer jacket is securely anchored to said wall to effect the sealing of the tape convolution edges.

2,385,390 LOCK NUT

Chester D. Tripp, Chicago, Ill.
Application July 28, 1944, Serial No. 546,953
10 Claims. (Cl. 151-21)



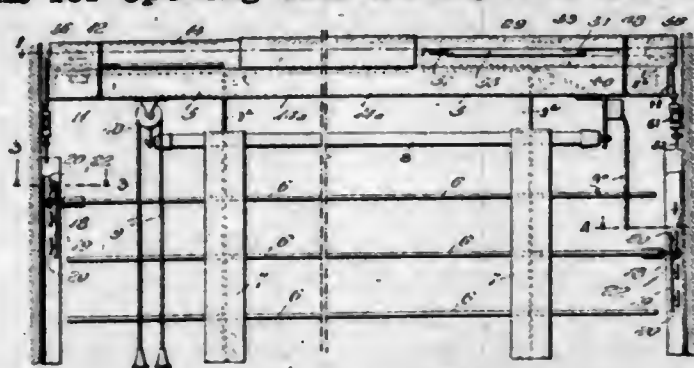
1. A lock nut comprising a threaded body; a resilient tang supported from said body; and a threaded end face on said tang spaced from said body; the thread on said end face differing in pitch diameter, helix angle, and phase relationship from the thread on said body.

2,385,391 VENETIAN BLIND

Charles J. Van Buren, Fort Lauderdale, Fla., assignor of one-half to James E. Cameron, Fort Lauderdale, Fla.
Application December 23, 1943, Serial No. 515,412
19 Claims. (Cl. 160-167)

1. In combination, a support, a Venetian blind comprising the usual tilting slats, guide engaging elements upon the ends of some of said slats,

guides in which said elements releasably engage, means for opening and closing said guides, the



blind being pivoted to the support to facilitate its swinging bodily outward after the disengagement of said elements from said guides.

2,385,392

CREWLESS GLIDER

Laurence W. Van Dusen, Tucson, Ariz.
Application June 14, 1944, Serial No. 540,286
4 Claims. (Cl. 244-3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

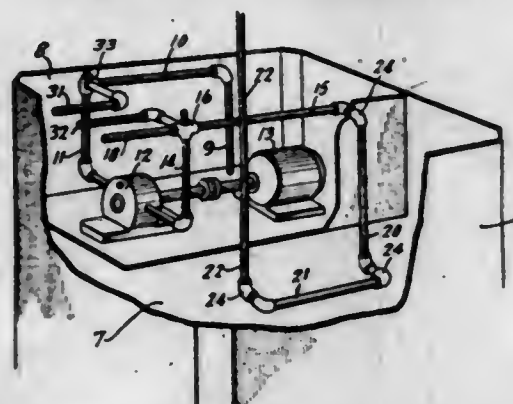


1. In combination with a tow plane including a universal joint fixed in the tail thereof, a tow bar joined at one end thereof to said plane through said universal joint, a glider joined to the opposite end of said tow bar, control surfaces on said glider to vary the elevation and direction thereof, and means actuated by a change in the angular relationship between the tow bar and the glider to vary the control surfaces, whereby the glider will follow the tow plane.

2,385,393

CRANKCASE FLUSHER

Florus E. Wilson, Dayton, Ohio
Application March 13, 1941, Serial No. 383,201
3 Claims. (Cl. 184-1.5)



3. An automobile servicing system, including a cleansing fluid storage compartment, a motor driven pump, a branched intake conduit leading to said pump, one branch of which communicates with the storage compartment, and the other branch of which is optionally connectable with a lubricant receiving compartment of an automobile or with a lubricant supply receptacle, a control valve interposed in said branched intake conduit for optionally connecting the pump with the storage compartment through the first of said branches, or with the lubricant receiving compartment of the automobile or the lubricant supply receptacle through the second of said branches, a branched outlet conduit leading from said pump, one branch of which discharges into the lubricant receiving compartment of the au-

tomobile to be cleansed, and the other branch of which is disposed so as to optionally discharge into the lubricant receiving compartment of an automobile or exteriorly of the latter as desired, and a control valve interposed in said branched outlet conduit for optionally directing the flow of cleansing fluid to the automobile lubricant compartment through the first-named branch of the outlet conduit or the flow of lubricant from the automobile compartment to the exterior of the latter.

2,385,394

SOLID IODINE COMPOSITIONS AND METHODS FOR PRODUCING THE SAME

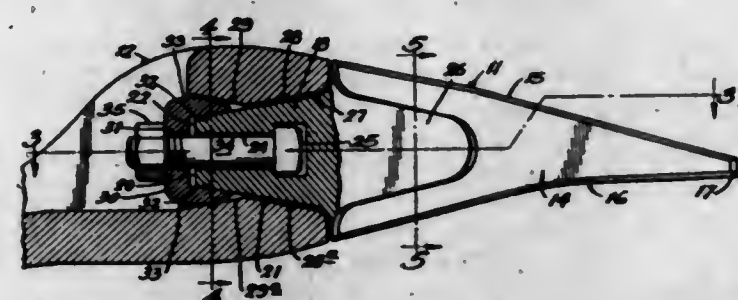
Paul J. Witte, New York, N. Y., assignor to Tyler Laboratories, Incorporated, Brooklyn, N. Y., a corporation of New York
No Drawing. Application April 13, 1943,
Serial No. 482,941
8 Claims. (Cl. 167-70)

1. A solid water-soluble iodine composition including in combination: a solid un-ionized acid salt of glycine; free or elemental iodine; and a solid un-ionized iodide salt selected from the group consisting of alkali metal and alkaline-earth metal iodides; the said composition being characterized by its ability to hold free iodine in solution when the whole solid composition is dissolved in water.

2,385,395

EXCAVATING TOOTH

Josef Baer, Washington County, Oreg., assignor to Electric Steel Foundry, Portland, Oreg., a corporation of Oregon
Application February 11, 1944, Serial No. 521,927
6 Claims. (Cl. 37-142)



6. A tooth support having a socket therein, a tooth having a shank extending rearwardly into the socket, a resilient wedge member having spaced-apart arms embracing the rear end of the shank, and force-multiplying means acting between the shank and the wedge member for forcing the arms of the latter into spaces between the shank and opposed surfaces of the tooth support, opposed surfaces of the wedge member and the tooth support being so conformed and related as to distort the wedge member to squeeze the tooth shank between the arms of the wedge member.

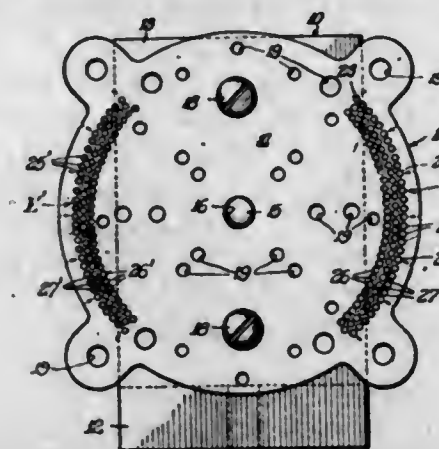
2,385,396

INDEXING UNIT

Francis P. Baum, Chicago, Ill.
Application May 29, 1944, Serial No. 537,887
3 Claims. (Cl. 33-174)

1. An indexing unit, comprising an angle plate having a horizontal supporting base and a vertically extending portion, an indexing plate having a flat vertically disposed work-supporting face, said indexing plate being rotatably secured on a horizontal axis to the vertically extending portion of the angle plate for rotation in the plane of said work-supporting face, means for

fixedly positioning a piece of work on said work-supporting face, said vertically extending portion of the angle plate being provided with stationary holes which are located equidistant from said axis and are spaced 90° apart, said indexing plate being provided with an arcuately ar-

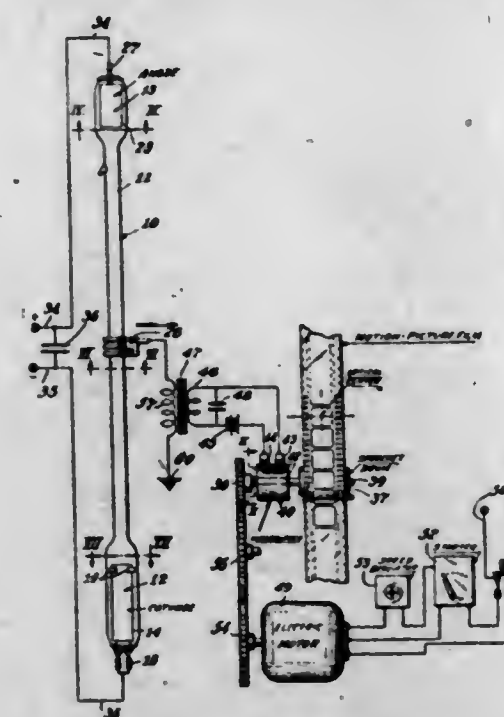


anged series of movable holes which are located the same distance from said axis and mark off equal subdivisions of 90°, and a pin which is adapted to enter one of the stationary holes and one of the movable holes upon the indexing plate being rotated to bring any desired movable hole into axial registration with that stationary hole.

2,385,397

DISCHARGE LAMP AND APPLICATION THEREOF

Philip W. Blackburn, Yonkers, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application January 21, 1937, Serial No. 121,383. Divided and this application November 28, 1940, Serial No. 367,512. In Canada December 16, 1937
5 Claims. (Cl. 315-227)



2. In combination with a discharge lamp comprising a hollow elongated vitreous envelope having a pair of end chambers connected by an intermediate portion about three feet long and seven-eighths of an inch inside in diameter, an electrode in each end chamber, one of said electrodes being hollow-cylindrical about seven inches long and two inches in diameter, and adapted to act as the cathode and the other being hollow-cylindrical about four inches long and two inches in diameter, and adapted to act as the anode, a source of approximately one thousand volts direct current connected to said electrodes, a condenser of about ninety microfarads capacity in parallel with said lamp, a grid intermediate said electrodes, adapted to act as a trigger, a high-volt-

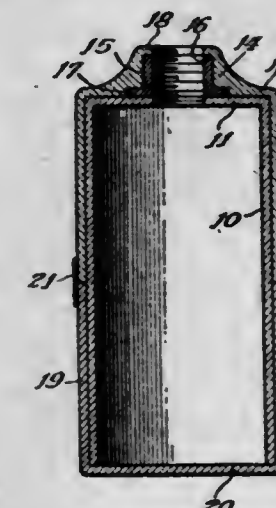
578 O. G.-34

age coil one terminal of whose secondary winding is grounded, means connecting the other terminal of said secondary winding to said grid, the primary winding of said coil being in circuit with a condenser and a source of direct current, and means for making and breaking the circuit to said primary winding comprising an interrupter, whereby said grid may be intermittently actuated and the lamp caused to emit intense flashes of light spaced at desired time intervals.

2,385,398

HAND GRENADE BODY

Jerome J. Blum, Olean, N. Y., assignor to The Fibre Forming Corporation, Olean, N. Y., a corporation of New York
Application September 11, 1942, Serial No. 457,931
3 Claims. (Cl. 102-64)

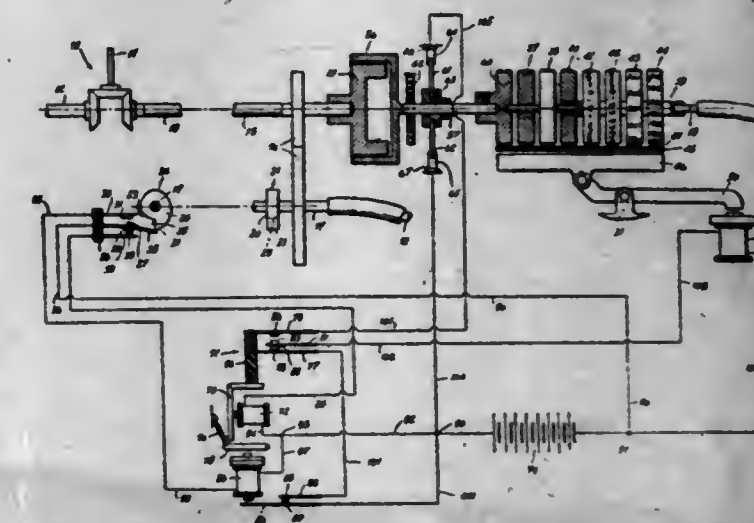


1. A waterproof hand grenade body of the class described comprising a seamless tubular inner body, a seamless tubular head cap having an integrally formed internally recessed annular boss adapted to receive and engage an exploding device, a seamless tubular base closure cap, and a threaded bushing positioned within the recessed portion of said boss, the said tubular portions being each pre-formed and composed of a rigid dense homogeneous combination of fibrous pulp and a thermo-plastic binder, and said bushing being formed of a non-metallic material of relatively greater mechanical strength.

2,385,399

RECORDING MECHANISM

Adolphus D. Branham, St. Louis, Mo.
Application April 10, 1940, Serial No. 328,851
10 Claims. (Cl. 234-1.5)



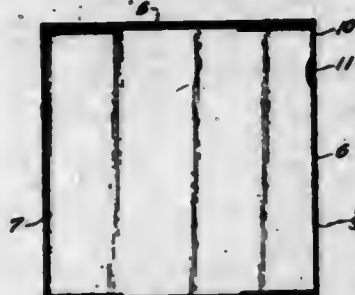
7. In a mechanism of the kind described, a recording means, electrical means to operate the same to make a record, means to energize the electrical means at predetermined intervals to make routine records, means responsive to abnormal conditions to energize the electrical means to

make a record at times between the intervals, and means rendering the abnormal means inoperative to interfere with operation of the routine means.

2,385,400

DRY-CELL DISPENSING DEVICE

Leland G. Briggs, Madison, Wis., assignor to Ray-O-Vac Company, a corporation of Wisconsin
Application February 23, 1944, Serial No. 523,511
4 Claims. (Cl. 206-56)

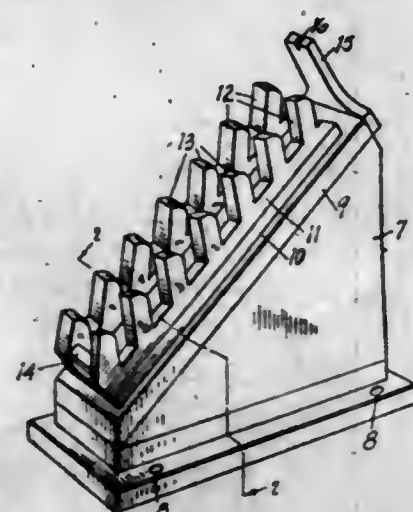


1. A dry-cell dispensing device comprising a box formed of front and rear panels connected by top and bottom walls and end walls, said box being of a size to hold a plurality of dry-cells in superposed parallel relation with the ends of the dry-cells adjacent to said end walls of the box, an outlet opening in one of said end walls near the bottom of the box to permit only the lower cell in the box to be withdrawn, an inlet opening in one of said end walls near the top of the box to permit a dry-cell to be inserted into the box; and resilient means for restraining withdrawal of a dry-cell from the box through said inlet opening.

2,385,401

EGG CARTON SETTING UP DEVICE

Kenneth T. Buttery, Kalamazoo, Mich., assignor to Sutherland Paper Company, Kalamazoo, Mich.
Application November 15, 1943, Serial No. 510,319
15 Claims. (Cl. 93-37)



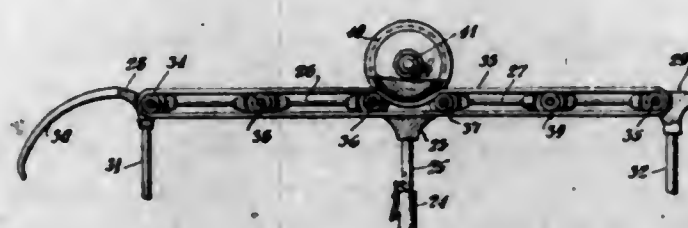
5. In a structure of the class described adapted for use in the erection of a cellular carton comprising upwardly diverging side walls, a longitudinal partition, outwardly inclined bottom wall members having slots therein and transverse partition members hingedly connected to said side walls and longitudinal partition member, the combination of a support provided with an inclined bed, and finger members mounted on said inclined bed in laterally spaced relation and each provided with a plurality of longitudinally spaced upwardly projecting fingers, the corresponding fingers of said finger members being transversely aligned, said fingers being of substantial width in the direction of the length of said inclined bed, said fingers terminating at their upper ends in curved surfaces relatively long in the direction

of said width of said fingers, each of said surfaces being curved downwardly from substantially one side of a finger to the opposite side thereof in the direction of said width, the curvature being downwardly on the side of a finger facing the upper end of said inclined bed, said surfaces adapted to engage transverse partitions of a carton when the carton is presented in partially erected inverted position thereto with the longitudinal partition between the rows of fingers and to deflect said transverse partitions inwardly, the fingers acting on longitudinal movement of the carton from its initial position to swing the transverse partitions of the carton to their fully erected position with their ends engaged in the slots in the bottom members of the carton.

2,385,402

APPARATUS FOR SPREADING TUBULAR FABRICS

Samuel Cohn and Joseph Cohn, New York, and Jules G. Walter, Ridgewood, N. Y.
Original application December 13, 1941, Serial No. 422,844, now Patent No. 2,339,151, dated January 11, 1944. Divided and this application
January 11, 1944, Serial No. 517,888
5 Claims. (Cl. 26-55)



1. In a system for spreading and flattening a traveling tubular fabric adapted to pass said fabric to transverse driven rolls engaging and drawing the fabric in flattened form between them, the combination of a floating spreader within the tubular fabric and drawn thereby into the nip of said driven rolls, said spreader comprising a transverse dead bar at said rolls and side frames connected to said dead bar and carrying freely rotatable pulleys with idle belt means running lengthwise along said side frames and contacting the fabric at the edges and moving therewith to a point adjacent said driven rolls so as to spread the fabric and deliver it to said rolls without substantial frictional drag at the spread area and supporting side rolls having grooved peripheries engaging the fabric and pressing it against said belt means and acting to support said floating spreader.

2,385,403

METHOD FOR STRETCHING CELLULOSE ESTER YARN

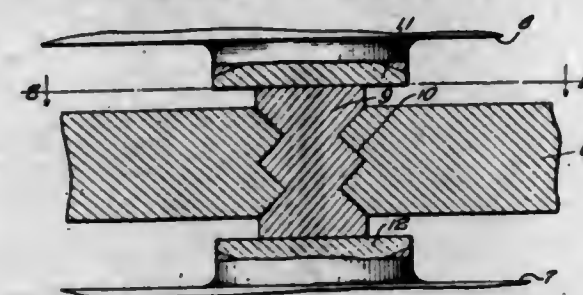
Rollin F. Conaway, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 8, 1941,
Serial No. 387,550
9 Claims. (Cl. 8-132)

1. The process which comprises passing preformed water-wet filaments, yarns, threads and ribbons of artificial thermoplastic material through a bath of molten material from the group consisting of low melting inorganic salts, metals and metal alloys melting below 200° C., maintaining the bath of molten material at a temperature sufficiently high to soften the filaments, and stretching said filaments while in the softened state whereby to increase the tensile strength thereof.

2,385,404

ANTIFRICTION BEARING

Stephen A. Crosby, Chicago, Ill., assignor to Sterling Tool Products Company, a corporation of Illinois
Application September 13, 1944, Serial No. 553,834
2 Claims. (Cl. 308-8)

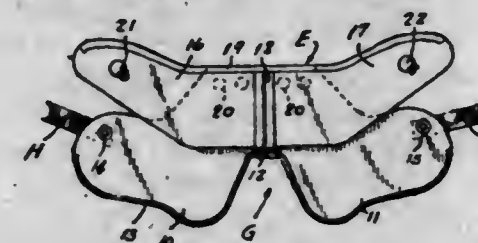


2. A bearing member for a device of the character set forth, comprising: a cast metal holder provided with a circular carbon insert, said insert having a plurality of annular grooves dovetailing with said holder, the sidewalls of said grooves, when viewed in longitudinal section, being inclined from the axis of the insert at substantially the same angle as a line extending from the longitudinal axial center of the embedded portion of the insert to an outer junction line between the said insert and the holder.

2,385,405

COMBINATION GOGGLES AND EYESHADE

Bayard H. Crowther, Wyncote, Pa., assignor to Bachmann Brothers, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application July 14, 1943, Serial No. 494,599
4 Claims. (Cl. 2-12)

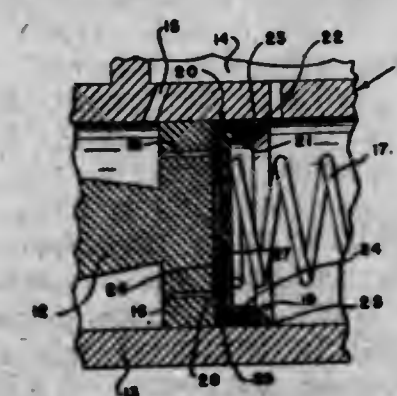


1. In a protective device of the character described, a pair of goggle elements hingedly connected by a fabric strip, an element of a snap fastener on each of said goggle elements, an eye shade divided into halves with the halves hingedly connected by a fabric strip, an element of a snap fastener on each half of said eye shade, the element of a snap fastener on each eye shade half being complementary to the element of a snap fastener on the respective goggle element, and means for hingedly connecting said eye shade to said goggle elements.

2,385,406

FLUID TYPE SEAL

Ernest L. Dayton, Detroit, Mich.
Application September 2, 1941, Serial No. 409,303
10 Claims. (Cl. 309-33)



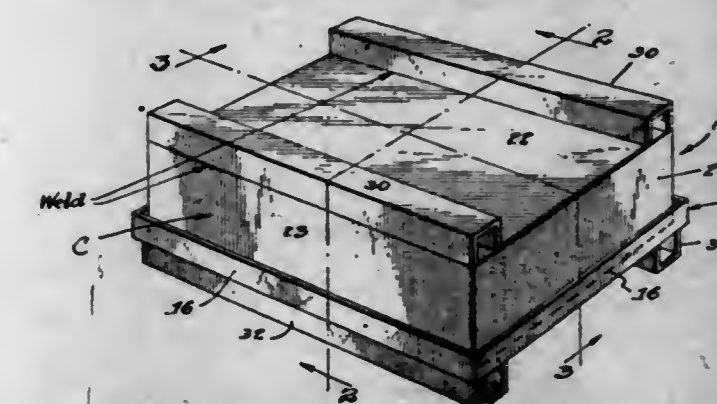
9. A seal for use in fluid pressure systems having a relatively reciprocable cylinder and piston;

said seal comprising a cup-shaped member having a base portion positioned at the pressure end of the piston and having an endless annular flange of ductile material terminating in an annular sealing lip engageable with the cylinder wall, the side of the base adjacent the piston having a port therethrough communicating with a passage through the piston, a second cup-shaped member of resilient material having a base portion seated in the base of the first member and collapsible under the action of fluid under pressure flowing through said port and passage, to permit the fluid to escape to the pressure side of the piston, and a sealing lip on the free end of the second cup-shaped member positioned beyond the lip on the first member and engageable with the cylinder wall.

2,385,407

PACKING BOX FOR THE HEAT-TREATMENT OF FERROUS MATERIAL

Frederick A. Endress, Detroit, Mich., assignor to Tuff-Hard Corporation, Detroit, Mich., a corporation of Michigan
Application May 6, 1942, Serial No. 441,928
3 Claims. (Cl. 266-5)

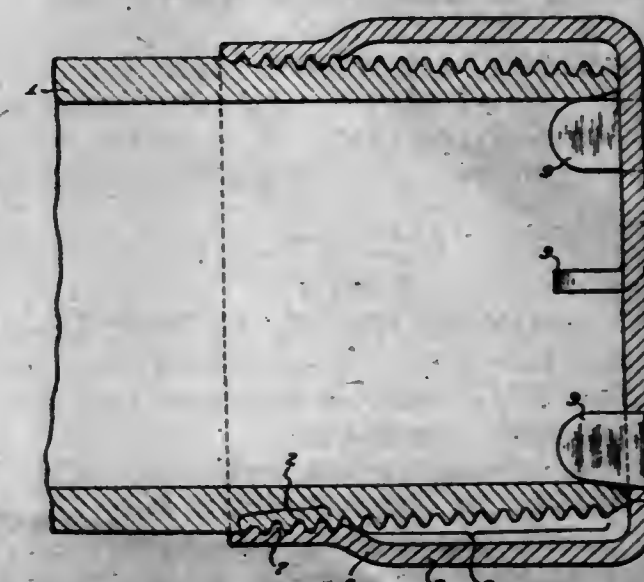


1. A packing box structure for the heat treatment of ferrous materials comprising separable complementary box sections, each of said sections having longitudinally extending fork receiving tunnels secured along a longitudinal external corner edge, said tunnels of both box sections substantially equally transversely spaced.

2,385,408

THREAD PROTECTOR

Birger Engstrom, Pittsburgh, Pa.
Application January 20, 1943, Serial No. 472,971
7 Claims. (Cl. 138-96)



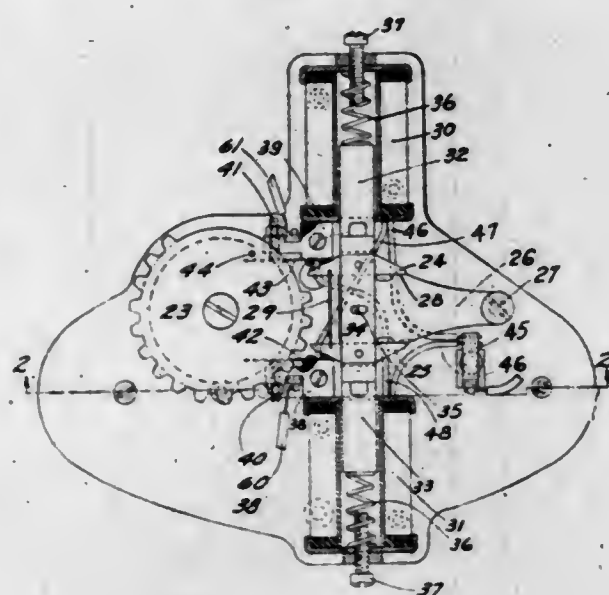
1. A pipe thread protector in the form of a cylindrical shell having a radial portion at its outer end adapted to overlie the end of a pipe encircled by a continuous tapered thread having at its inner end a few turns that are incomplete in cross section, the inner end portion of the shell

being provided with a continuous thread that is incomplete in cross section and is adapted to register with only said few turns of the pipe thread when the protector is in position, and the wall of the sleeve between its thread and radial portion being spaced from the perfect portion of the pipe thread.

2,385,409

FUEL CONTROL

Arthur W. Gardner, Macon, Ga., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application September 10, 1941, Serial No. 410,297
3 Claims. (Cl. 74-128)



1. An electric power unit including a base plate having an opening therein for the reception of a member reciprocable perpendicular to the base plate, a cam mounted on said base plate and having a portion thereof overlying the said opening, said cam being mounted on said base plate for rotation in a plane parallel to the base plate, a ratchet wheel attached to said cam and rotatable therewith, and means for rotating said ratchet wheel comprising a bar adjacent said ratchet wheel and adapted to be reciprocated parallel to the plane of the ratchet wheel, a pair of spaced apart pawls carried by said bar and alternately in engagement with teeth on said ratchet wheel, one of said pawls being adapted to rotate said ratchet wheel in one direction, and the other pawl adapted to rotate the ratchet wheel in the opposite direction, electromagnetic means mounted on said base plate for oscillating said bar in one direction, and additional electromagnetic means mounted on said base plate for oscillating said bar in the opposite direction.

2,385,410

PRODUCTION OF ORGANIC DISULPHIDES

John Albert Gardner, Llangollen, Wales, assignor to Monsanto Chemicals Limited, London, England, a British company

No Drawing. Application July 21, 1942, Serial No. 451,738. In Great Britain July 21, 1941
8 Claims. (Cl. 204-72)

4. A method of producing an organic thiazyl disulphide which consists in treating an aqueous solution of a salt selected from the group consisting of an alkali salt of a mercaptothiazole and an alkaline earth metal salt of a mercaptothiazole by passing an electric current through the said solution, the said electric current consisting only of alternating current.

2,385,411

FROST-PREVENTING SCREEN FOR AIRCRAFT WINDOWS AND METHOD OF MAKING THE SAME

William C. Geer, Ithaca, N. Y.

Application July 20, 1943, Serial No. 495,435
8 Claims. (Cl. 20-40.5)



1. The method of making a transparent screen for preventing frosting on windows of high-flying aircraft while permitting clear observation of distant objects through the screen, and for similar purposes, said method comprising mixing 1 part by weight of gelatin with from 5 to 10 parts of water and from 0.5 to 1.2 parts of glycerine, to form a homogeneous composition, treating the composition with sulfur dioxide until its pH has been lowered to about 4.70, adding from .005 to 0.1 part of aluminum chloride to the composition together with sufficient acid to maintain the pH at about 4.70, then applying the composition in a uniform film to a sheet of transparent flexible resinous material which is substantially unaffected by water and which has strength and transparent visibility characteristics substantially equivalent to those of a sheet of "Vinylite" synthetic resin from 0.005" to 0.015" in thickness, and evaporating the water from the film to produce a firm, non-flowing coating of the order of 0.01" to 0.02" thick, the said sheet being supported in a horizontally level position while sufficient water evaporates from the said film thereon to set the film to a non-flowing state.

2,385,412

CAPSICUM-CONTAINING SEASONING COMPOSITION

Lloyd A. Hall, Chicago, Ill., assignor to The Griffith Laboratories, Inc., Chicago, Ill., a corporation of Illinois

No Drawing. Application May 3, 1943, Serial No. 485,495

14 Claims. (Cl. 99-143)

1. The method of making a dry seasoning composition having an oleoresin of capsicum on a solid carrier, which comprises incorporating into a single mixture: crystals of a solid carrier material selected from the group consisting of sodium chloride and dextrose of an acid-conversion process which dextrose carries an impurity of strong mineral acid in trace amount, said carrier material normally giving rise to a strong mineral acid condition in an uninhibited combination therewith of oleoresin of capsicum which condition induces early bleaching of the color resulting from the initial presence of said oleoresin; seasoning material selected from the group consisting of oleoresin of spices and essential oils, including as a necessary seasoning material oleoresin of capsicum; a moistening quantity of an aqueous solution providing a

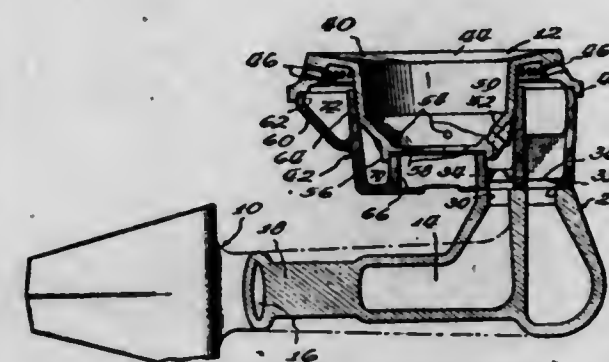
bleaching-inhibiting quantity of edible buffer salt selected from the group consisting of water-soluble normal and acid salts of strong bases with weak organic acids; and a caking-inhibiting quantity of edible liquid hygroscopic agent; the water of said solution serving to distribute the buffer salt thereof throughout the mixture; the hygroscopic agent serving to prevent the water of said solution leading to caking of the mixture on standing; and said buffer salt serving to inhibit bleaching of the composition by reaction with strong mineral acid forming available and weak organic acidity.

2,385,413

GAS BURNER

Philip S. Harper, Chicago, Ill., assignor, by direct and mesne assignments, of one-fourth to Philip S. Harper and one-fourth to Carolyn L. Harper, both of Chicago, Ill., and one-fourth to Harris Trust and Savings Bank, an Illinois banking corporation, as trustee of the Philip S. Harper Trust, and one-fourth to said Harris Trust and Savings Bank, as trustee of the Carolyn L. Harper Trust

Application February 12, 1941, Serial No. 378,533
9 Claims. (Cl. 158-116)



6. A gas burner head, including in combination, a top member and a bottom member, said top member having a plurality of radially spaced apart downwardly extending wall defining portions, said bottom member having a plurality of upwardly extending wall defining portions, the upwardly extending portions of said bottom member being radially spaced apart and dimensioned to interengage corresponding portions of the top member with a press fit, thereby to secure said top and bottom members in assembled relation by a plurality of press fit connections, and one pair of interengaging wall defining portions being continuous and in engagement over a considerable length vertically, thereby to provide the major securing action.

2,385,414

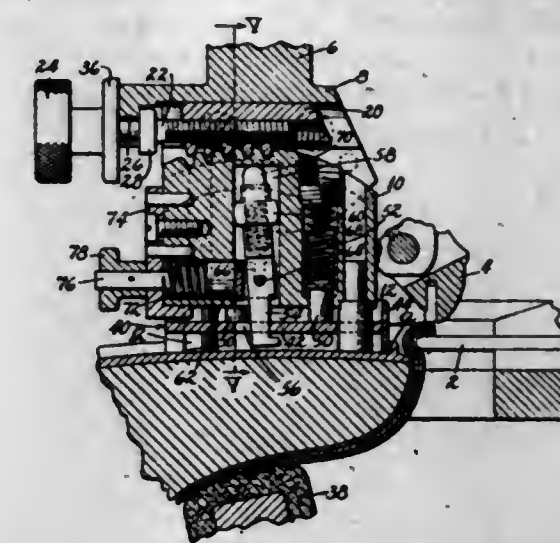
LASTING MACHINE

Eric A. Holmgren, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application October 14, 1944, Serial No. 558,781
18 Claims. (Cl. 12-14)

1. In a lasting machine, the combination with means for lasting the marginal portion of an upper about the toe end of a last inwardly over an insole on the last and against a lip on the insole, of means for positioning the shoe heightwise relatively to said lasting means by engagement with the bottom face of the forepart of the insole, and additional means for positioning the shoe lengthwise and laterally by engagement with the

inner face of the lip of the insole at the end and the sides of the toe, said additional means being



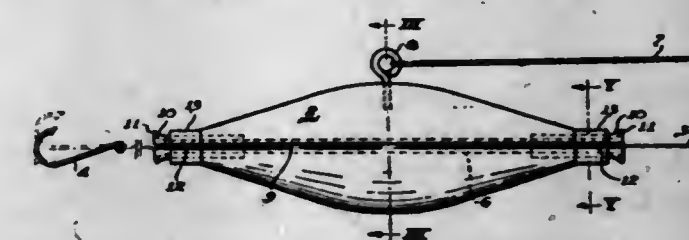
mounted to move in directions heightwise of the shoe relatively to said first-named positioning means.

2,385,415

FISHING HOOK RELEASER

David Jackson, Pittsburgh, Pa.

Application September 28, 1944, Serial No. 556,109
5 Claims. (Cl. 43-30)



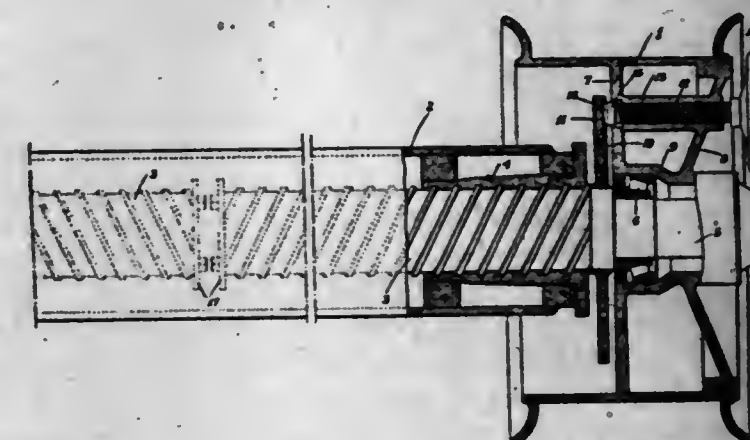
1. Means for releasing a fish hook consisting of a weight having a longitudinal central opening for a fishing line and a straight longitudinal slot communicating therewith, an endmost tubular terminal having a slot registering therewith, and a slotted retaining ring for the line rotatably mounted on the terminal.

2,385,416

EXTENSIBLE AXLE ASSEMBLY

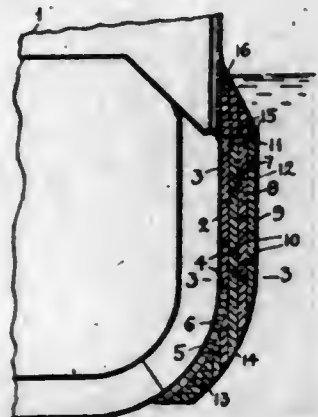
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau Inc., Stockton, Calif., a corporation of California

Application May 1, 1944, Serial No. 533,515
7 Claims. (Cl. 301-1)



1. An extensible axle assembly comprising a fixed axle housing, an axle threaded into said housing, a wheel journaled on the outer end of said axle, and releasable means to lock the wheel to the axle; said means including a radial disc fixed on the axle adjacent the wheel, and a movable holding element mounted on the wheel for movement lengthwise of its axis, said element being adapted to forcefully and frictionally engage the adjacent face of said disc.

2,385,417

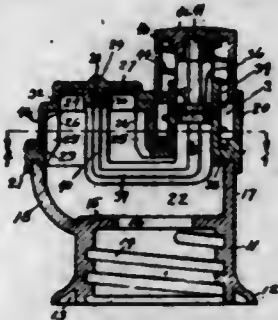
MEANS FOR PROTECTING SHIPS AGAINST UNDERWATER EXPLOSIONVadim S. Makaroff and Nicholas C. Artsay,
New York, N. Y.Application December 9, 1942, Serial No. 468,436
2 Claims. (Cl. 114-240)

1. Means to protect a ship against an underwater explosion comprising a plurality of superimposed layers of timbers at the side of the hull of the ship; means to fasten each succeeding layer to the preceding layer; and means to support the ends of the timbers, the timbers being disposed with clearances therebetween for admitting water from the outside of the hull.

2,385,418

FLUID DISPENSING DEVICE

Charles Mankouski, Portland, Oreg.

Application August 24, 1942, Serial No. 455,864
1 Claim. (Cl. 222-340)

The fluid dispensing device consisting of a threaded bottle cap having a chambered recess formed between the threaded portion thereof and the closure therefor, said closure having an inwardly opening cylinder formed therein, said cylinder having a piston normally occupying same, said cylinder having extension guides for supporting said piston when withdrawn from said cylinder, said closure having an opening therein through which fluids may be ejected by said piston, said closure also having an outwardly opening cylindrical cavity formed therein within which is a tubular wall communicating between the interior of said chambered recess and the atmosphere, a piston within said tubular wall, a U shaped piston rod connecting the two pistons and extending outwardly from said tubular member, a hollow push button within said outturned cylindrical cavity having a spring therein surrounding said tubular member, said push button being secured on the outer end of said projecting piston rod.

2,385,419

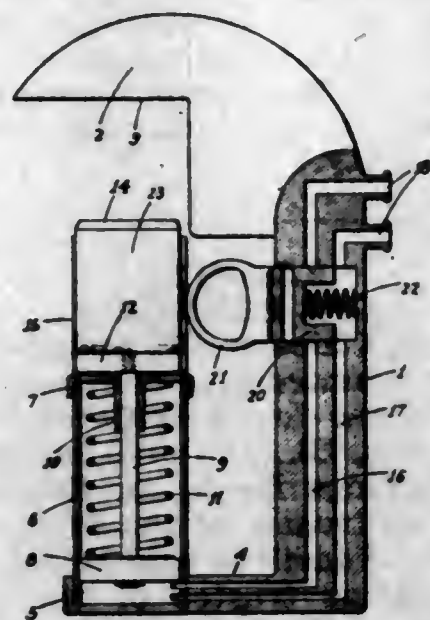
HYDRAULIC PRUNING TOOL

Fred A. Matulich, Drytown, Calif.

Application October 13, 1944, Serial No. 558,591
7 Claims. (Cl. 30-180)

1. A portable hand supported pruning tool comprising a handle, a fixed blade mounted in

connection with and projecting laterally from the handle adjacent one end thereof, a fixed leg projecting in the same direction from the handle adjacent its other end, a fluid pressure actuated power cylinder mounted on the leg in spaced relation to the handle extending axially toward but

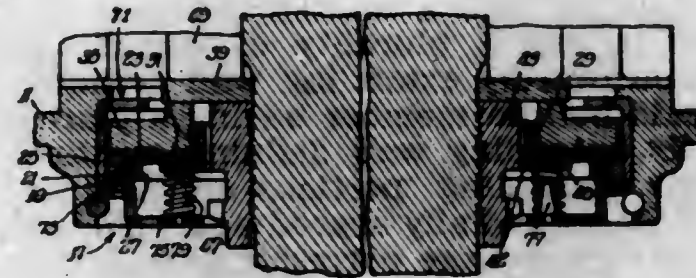


terminating short of the fixed blade, said cylinder including a piston and projecting from the end adjacent the fixed blade, another blade secured on the outer end of the rod adapted to cooperate with said fixed blade, and manually actuated means to control operation of the power cylinder.

2,385,420

SEAL

Walter W. Meyer, Arlington Heights, Ill., assignor to Rotary Seal Company, Chicago, Ill., a corporation of Illinois

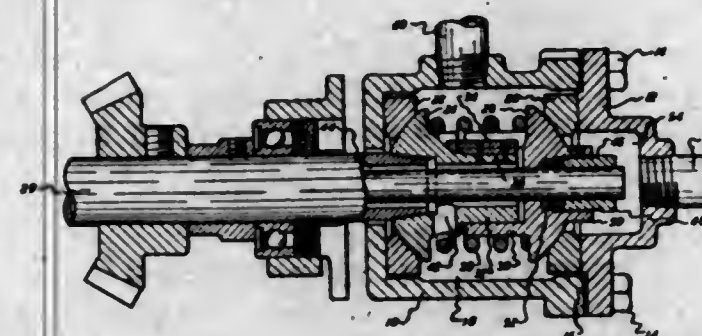
Application December 7, 1942, Serial No. 468,070
11 Claims. (Cl. 286-11)

1. A seal assembly for use between relatively rotating parts one of which provides a seal seat, said seal assembly comprising a housing adapted to be secured to the other of said parts, a seal ring in the housing and adapted for sealing engagement with the seal seat and having a central opening to accommodate one of said parts, a flat rubber-like disk arranged between the housing and the seal ring, a peripheral flange on one side of said disk and having face and edge contacting engagement with the housing, a cylindrical flange extending on the other side of said disk and defining a central opening therein, said cylindrical flange having contacting engagement with the edge of the ring defining the central opening in the ring, coil spring means within the housing normally urging the cylindrical flange of said disk and said seal ring longitudinally in said housing to press the ring against the seal seat, and stop means on the housing in position to engage and limit the movement of the seal ring with respect to the housing under the influence of said spring.

2,385,421

ROTARY PRESSURE JOINT

Rollo O. Monroe, Three Rivers, Mich., assignor to The Johnson Corporation, Three Rivers, Mich., a corporation of Michigan

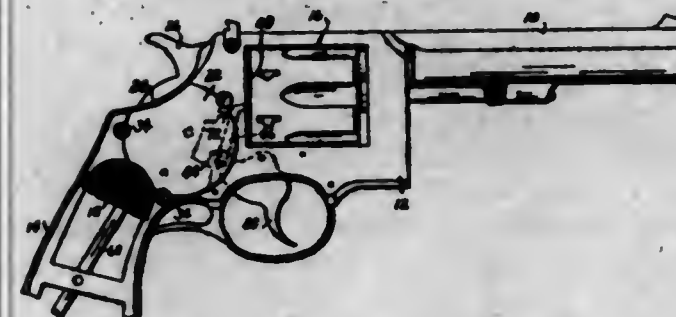
Application August 7, 1943, Serial No. 497,724
2 Claims. (Cl. 285-10)

1. In a rotary joint of the type described, the combination with a fixed housing, means defining a universal joint supported within said housing and dividing the same into steam and return condensate chambers, and an outer conduit fixedly connected to said joint and having communication with said steam chamber, a condensate return conduit nested within said outer conduit, one portion of said universal joint having an axial bore in which said condensate conduit is slidably supported, a packing box constituted as an enlarged continuation of said first bore for sealing said condensation conduit in said joint portion, said condensation return conduit opening at one end into said condensation chamber.

2,385,422

REVOLVER

Rienzi Rice, Worcester, Mass., assignor to Harrington & Richardson Arms Company, a corporation of Massachusetts

Application April 23, 1943, Serial No. 484,149
4 Claims. (Cl. 42-65)

1. A revolver comprising a frame, a cylinder, a cylinder lifter, a removable side plate for the frame, and resilient means on the side plate engaging the lifter to press the latter toward the cylinder to engage and rotate the same.

2,385,423

TREATMENT OF TEXTILE MATERIALS

George W. Seymour and Walter Brooks, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

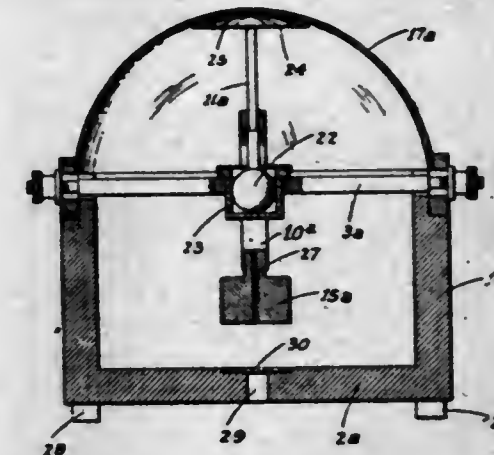
No Drawing. Application October 3, 1942, Serial No. 460,695
8 Claims. (Cl. 252-8.8)

2. A conditioning fluid for the treatment of textile materials comprising a mineral oil, an oxidized vegetable oil, a compound selected from the group consisting of dibutyl and diamyl derivatives of phenols, an acyl derivative of an ester of a hydroxylated higher fatty acid in which the acyl radicle is derived from a lower fatty acid, oleic acid, triethanolamine and oleyl alcohol.

2,385,424

LEVEL

Clyde L. Shue, Coronado, Calif., and Fred J. Allgeo, Reno, Nev.

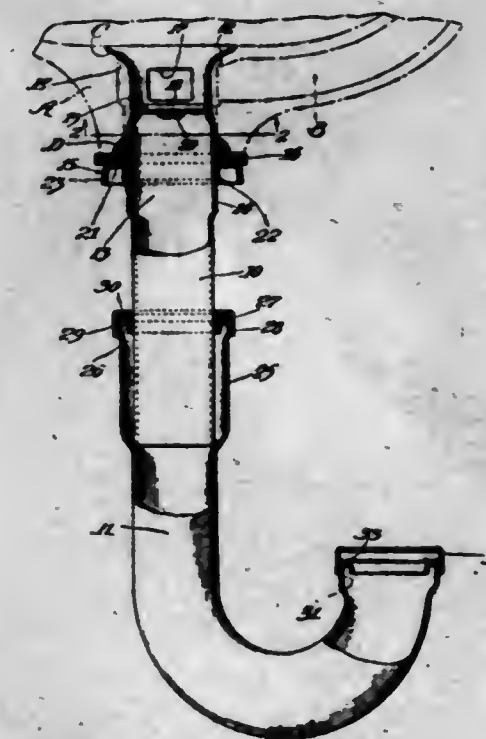
Application October 9, 1942, Serial No. 461,398
8 Claims. (Cl. 33-215)

1. A mechanical gravity actuated level comprising a pendulum assembly including an upstanding ring, a pendulum weight depending rigidly from the lowermost point on the ring, a stem projecting diametrically through the ring at its uppermost point, the inner end of said stem being formed as a needle and the outer end being formed as a pointer, a normally stationary support for said assembly including a seat in which said needle universally engages, and a transparent, hemi-spherical dome mounted in connection with the support over said pointer, the dome being marked with a scale in degrees and parts thereof on which said pointer reads.

2,385,425

PIPE CONNECTION

John Slezak, Sycamore, Ill., assignor to Turner Brass Works, Sycamore, Ill., a corporation of Illinois

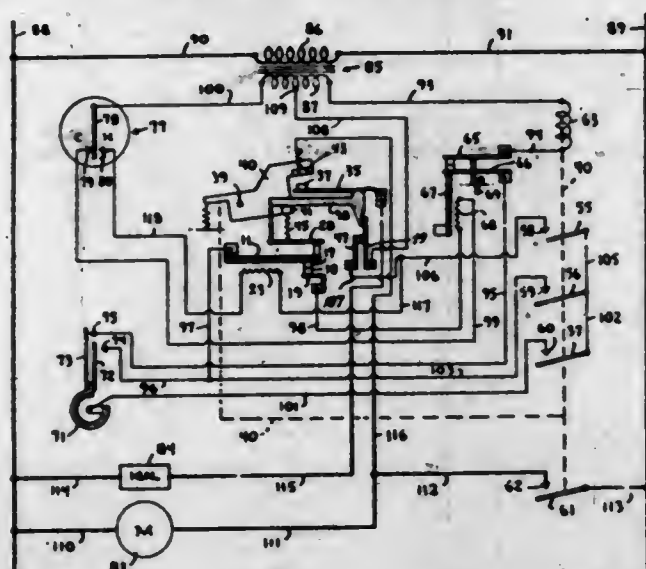
Original application August 3, 1942, Serial No. 453,333, now Patent No. 2,349,202, dated May 16, 1944. Divided and this application March 30, 1944, Serial No. 528,675
4 Claims. (Cl. 285-37)

1. In a pipe connection a unitary, tubular member of relatively thin stock, a portion of said member adjacent one end being expanded beyond the original diameter of the tubing and having threads formed directly in its external surface, and the extreme end portion of the member being curled inwardly in the form of a reinforcing bead.

2,385,426

BURNER CONTROL SYSTEM

Daniel G. Taylor, Minneapolis, and Willis H. Gille, St. Paul, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 20, 1942, Serial No. 455,428
10 Claims. (Cl. 158-28)

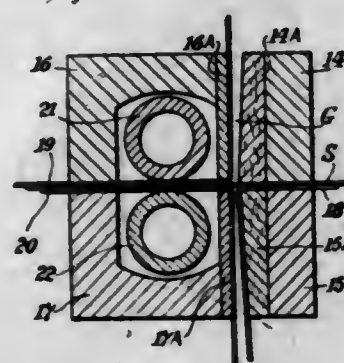


1. Fluid fuel burner control apparatus comprising in combination, means including an electromagnetic relay adapted to control the flow of fuel to a burner, hot and cold switches, a combustion responsive device adapted to close said cold switch in the absence of combustion and to close said hot switch in the presence of combustion, a main switch, a circuit for energizing said electromagnetic relay including said main switch and cold switch, a maintaining switch closed by said relay, a further switch, a circuit for maintaining energization of said relay while said combustion responsive device opens said cold switch and closes said hot switch, said maintaining circuit including said main switch, further switch, and maintaining switch, a thermal timer, a heater therefor, a holding circuit for said relay including in series said relay, main switch, thermal timer heater and hot switch, and means operated by said thermal timer for opening said further switch a substantial time after the closure of said holding circuit.

2,385,427

DECORTICATING OF FLAX AND OTHER BAST FIBERS

John Thomson, Paisley, Scotland -
Application April 22, 1942, Serial No. 440,033
In Great Britain May 2, 1941
8 Claims. (Cl. 19-11)



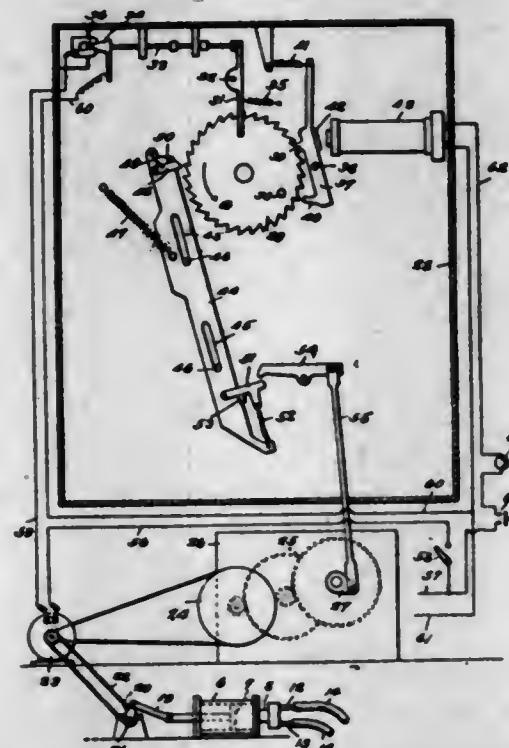
1. A decorticating machine comprising a stationary gripper, means for opening said gripper periodically, a movable gripper spaced from said stationary gripper to provide a decorticating gap, mechanism for reciprocating said movable gripper to perform a decorticating action, means for opening said movable gripper periodically as it reciprocates, straw-feed means leading to said stationary gripper, straw-withdrawal means leading from said gap through said movable gripper,

mechanism operatively connected to said stationary gripper-opening means and timed for operation of said straw-feed means to feed straw to be decorticated through said stationary gripper and push said straw across said gap when said stationary gripper is opened and while said movable gripper is closed, and mechanism operatively connected to said movable gripper-opening means and timed for operation of said straw-withdrawal means to pull decorticated straw from said gap and through said movable gripper when it is opened and while said stationary gripper is closed.

2,385,428

EMBALMING APPARATUS

Arthur Sydney Adams Tolliver, Tuskegee, Ala.
Application June 28, 1943, Serial No. 492,582
1 Claim. (Cl. 192-139)



A time control device for the pump motor of an embalming apparatus, having a motor controlling switch which includes a ratchet wheel, a switch-tripping pin on the wheel, a slide mounted for reciprocation, a spring for holding the slide yielding in normal position, a spring-restrained pawl mounted at one end on the slide and having its other end freely supported in position to engage a tooth of the ratchet wheel, a spring-restrained contact finger pivotally connected to the slide, a motor driven oscillating member mounted for movement against the finger to move the slide and its pawl in one direction away from normal position and to slip past the finger to release the slide for abrupt return to normal position, said finger being mounted to yield to pressure from and permit movement of the operating lever in the opposite direction after release of the slide, an escapement engaging the ratchet wheel and positioned to restrict rotation of the ratchet wheel, and means under control of an operator for actuating the escapement, being proportioned to rotate the ratchet oppositely to the direction of rotation effected by the pawl, and means for intermittently actuating the escapement to effect said rotation thereby.

2,385,429

SEALING MACHINE

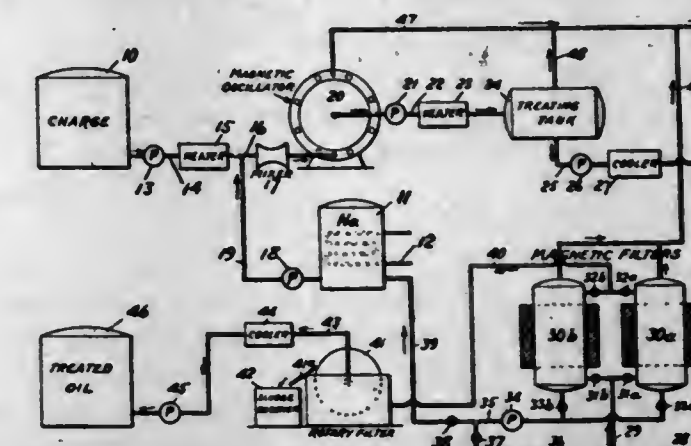
James E. Underwood, Oakmont, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 5, 1943, Serial No. 509,065
9 Claims. (Cl. 226-86)

1. In a sealing head for securing skirted closures on the mouth of a container, a pressure

2,385,431

PROCESS FOR REFINING OF HYDROCARBON OIL WITH METALLIC SODIUM

Richard S. Vose, Swarthmore, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application January 29, 1944, Serial No. 520,282
12 Claims. (Cl. 196-78)

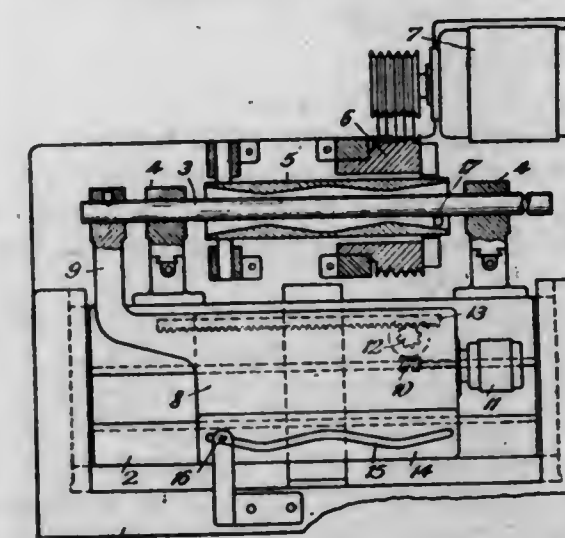


1. The process of refining liquid hydrocarbon material which comprises subjecting liquid hydrocarbon charge to the action of finely dispersed metallic sodium in amount substantially in excess of the amount chemically consumed in the reaction and at a temperature above the melting point of sodium but below the cracking temperature of the charge, until undesirable constituents of the charge are transformed into a sludge substantially solid at normal temperature, thereby resulting in a reaction mixture comprising refined hydrocarbon material containing sludge and excess sodium in dispersed form, passing said reaction mixture through a separation zone containing a magnetized surface and therein bringing the mixture into contact with said surface and maintaining said surface magnetized sufficiently highly to cause contained sodium particles to be attracted by and retained on said surface, withdrawing the mixture of refined hydrocarbon material and sludge from said separation zone, and then separating refined hydrocarbon material from the sludge.

2,385,430

LATHE FOR PROFILING HOLLOW BODIES

Ottomar von Zelewsky, Neuhausen, and Karl Künzi, Schaffhausen, Switzerland, assignors to Aktiengesellschaft der Eisen- und Stahlwerke vormals Georg Fischer, Schaffhausen, Switzerland
Application February 4, 1943, Serial No. 474,714
In Switzerland November 15, 1941
1 Claim. (Cl. 77-3)

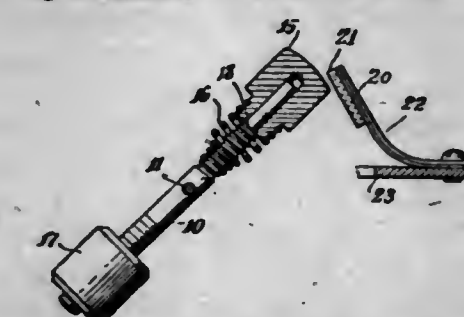


In a lathe for profiling the interior of hollow bodies, in combination, a machine frame, a cross slide guided on said machine frame, a tool holder, guide means arranged on said cross slide and adapted to guide said tool holder in the longitudinal direction, said guide means being arranged adjacent either side of a hollow body to be profiled and being fixed against pivotal movement, a controlling device comprising a template and a feeler cooperating with said template, and adapted to control the transverse movements of said cross slide, and means adapted to impart longitudinal movement to the tool holder and also to impart to one of the two parts of said controlling device a movement in the longitudinal direction at the same speed as the tool holder.

2,385,432

SPEED GOVERNOR

Charles F. Wallace, Westfield, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Original application December 31, 1941, Serial No. 425,026. Divided and this application March 25, 1944, Serial No. 528,072
3 Claims. (Cl. 188-185)

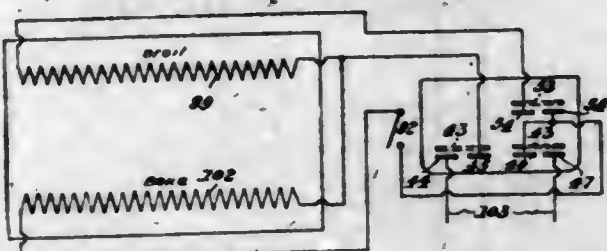


1. A centrifugal governor, comprising a rotary member, a radially movable weight carried by said member, a spring which yieldingly resists outward movement of said weight, a non-rotating member mounted in position to be frictionally engaged by said weight when the weight has been moved outward a certain distance by centrifugal force, and means responsive to temperature changes for moving said non-rotating member transversely of the path of rotary movement of the weight to compensate for changes in the force of said spring caused by the temperature changes.

2,385,433

THERMOSTAT

Victor Weber, St. Louis, Mo., assignor to American Thermometer Company, St. Louis, Mo., a corporation of Delaware
Application December 23, 1938, Serial No. 247,390
36 Claims. (Cl. 219-20)

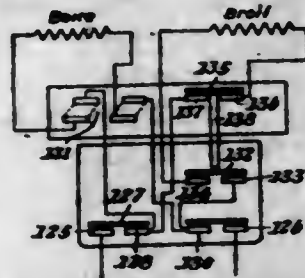


4. In a heat control system for a stove or the like, having a broil element and a bake element adapted to be connected to a power source the combination of switch mechanism in the broil element circuit, switch mechanism in the bake element circuit, thermostatic means responsive to the temperatures to be controlled, and means actuated by the thermostat during the continuance of a heating operation for disconnecting the broil element from the power source during the remainder of the heating operation and for maintaining it disconnected from the power source while permitting the bake element to continue in operation during the balance of the heating operation.

2,385,434

TEMPERATURE REGULATING DEVICE FOR HEATING APPLIANCES

Victor Weber, Greensburg, Pa., assignor to American Thermometer Company, St. Louis, Mo., a corporation of Delaware
Application March 9, 1940, Serial No. 323,162
7 Claims. (Cl. 219-20)



1. In a temperature regulator for an electric heating appliance including two independent heating elements, the combination of a switch for each element for controlling the supply of current thereto, thermo-responsive mechanism for controlling the switches including an element responsive to temperature changes in the appliance, a handle for adjusting said mechanism to different temperature settings, said mechanism being operable manually on movement of the handle from an "off" position to an intermediate position to cause closing of both switches, and means responsive to subsequent opening of one switch upon thermostatic operation of said mechanism for maintaining the switch in its open position out of the influence of said mechanism while the other switch remains under control of the mechanism.

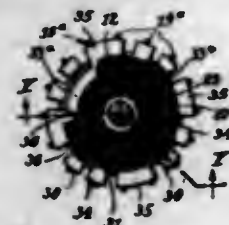
2,385,435

ELECTRON DISCHARGE DEVICE

Leo C. Werner, Bloomfield, and Willard A. Laning, Glen Ridge, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 23, 1944, Serial No. 559,948
10 Claims. (Cl. 250-27.5)

1. An electron discharge device comprising a cathode assembly having a filament with a plu-

rality of strands, said filament providing foot portions and a bight portion, a rod support, means slidable on said rod support and carrying said bight portion, a fixed collar on said rod support



port at the foot portions of the filament, said collar counteracting tension from said foot portions of the filament, and tension applying means interposed between said collar and bight portion.

2,385,436

SHARPENING MEANS FOR SAFETY RAZORS

Fred Evans, Newark, N. J., assignor to Ronson Art Metal Works, Inc., a corporation of New Jersey
Application October 5, 1942, Serial No. 460,885
2 Claims. (Cl. 30-36)



1. In a safety razor, a handle, means at one end of said handle for clamping a razor blade in fixed position, a support disposed adjacent an edge of said blade, and blade-sharpening means slidable in opposite directions on said support for sharpening said blade edge, said blade-sharpening means being manually movable as a unit transversely of said support toward or from said blade edge.

2,385,437

BITUMINOUS PAINT

George Arthur Fasold, Mount Healthy, and Harold W. Greider, Wyoming, Ohio, assignors to The Philip Carey Manufacturing Company, a corporation of Ohio
Application August 7, 1943, Serial No. 497,800
7 Claims. (Cl. 106-282)

1. A solvent-thinned bituminous paint composition which is adapted for application to produce a fire-resistant bituminous coating and which comprises non-volatile constituents including bitumen, said non-volatile constituents constituting the paint base, and a volatile solvent for the bitumen in said paint base that thins the paint base to brushable consistency, said paint base comprising about 25% to about 45% by weight of said bitumen having a softening point of the range 150° F. to 275° F. and about 55% to about 75% by weight of finely-divided solid water-insoluble heat resistant mineral filler, said filler comprising fibrous mineral which passes a 6 mesh testing sieve and is retained on a 200 mesh testing sieve and the grading index of which has a ratio to the percent by weight of the bitumen in the paint base of at least 1 to 5, the ratio of the grading index of the fibrous mineral in said paint base to the percent by weight of the bitumen in said paint base being not greater than about 1 to 1, and said finely-divided solid water insoluble

heat-resistant mineral filler comprising material passing a 100 mesh testing sieve which is any of the constituent particles passing a 100 mesh testing sieve comprised in the total filler and which constitutes in said paint base at least 25% to at least 50% by weight of said paint base proportionally for total filler contents ranging from 55% to 75% by weight of the paint base.

2,385,438

STARCH PRODUCT

George B. Fowler and Donald K. Pattilloch, Springfield, Mass.; said Pattilloch assignor to Chemical Development, Inc., Chicago, Ill., a corporation of Illinois
No Drawing. Application September 27, 1941, Serial No. 412,605
5 Claims. (Cl. 260-9)

2. Process of making a tough starch gel precipitable by aluminum sulfate which consists in suspending about 40 parts of starch in about 480 parts of water containing about 50 parts by weight of a water-dispersible urea-formaldehyde condensation product, dissolving about 28 parts by weight of sodium metasilicate in 120 parts of water, and adding the latter solution rapidly to the former, with violent agitation.

2,385,439

MECHANICAL HAMMER

Charles Henry Gubbins, Ealing, London, England
Application March 14, 1944, Serial No. 526,463
In Great Britain August 27, 1943
4 Claims. (Cl. 125-33)



1. In a power drill or the like comprising a movable percussion member, a reciprocating drive mechanism, a movable slug engageable with said percussion member means to urge the slug towards the percussion member and means controlled by movement of the slug by engagement of the percussion member with the work for connecting the slug to the drive mechanism and releasing it therefrom, said slug having a slot therein transverse to its direction of movement, a catch piece slidable in said slot, said piece having a surface at a small angle to the direction of movement of the slug, said drive mechanism including a reciprocating pin having a surface formed at substantially the same angle as the surface on said piece and engageable therewith and having a shoulder behind such surface, said piece being urged to move in said slot in a direction to cause engagement of said surfaces when the pin is near the percussion member, and said shoulder being engageable below said catch piece when the slug is pushed upward by engagement of the percussion member with the work.

2,385,440

AUXILIARY ELECTRODE SUPPORT

Ismail Hakki, New York, N. Y.
Application June 9, 1944, Serial No. 539,511
4 Claims. (Cl. 176-119)

2. An electrode support of the character described comprising an elongated shank, means

at the forward end of the shank for supporting the electrode in axial alignment with the shank, and a sleeve carried by the shank and being longitudinally movable thereof, the forward end of the

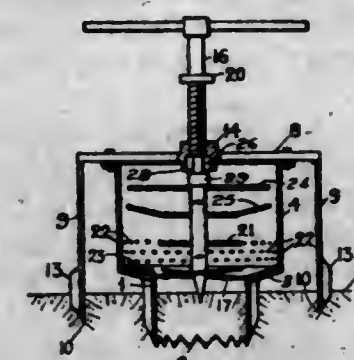


sleeve having a plurality of spaced, longitudinal slots forming jaw members which are inwardly set to grasp and support the terminal portion of the electrode when such sleeve is in its forward position on the shank.

2,385,441

IMPLEMENT FOR SOIL PREPARATION

Dudley L. Hill, Peekskill, N. Y.
Application February 11, 1944, Serial No. 521,925
7 Claims. (Cl. 97-60)



1. An implement for soil preparation comprising a tubular member adapted to be inserted into the ground; an elongated member supported at the top of the tubular member; a shaft rotatively supported in the tubular member; handles at the upper end of the shaft; an auger at the lower end of the shaft, the shaft having a threaded connection with the elongated member for causing the shaft to move axially when rotated; and radial blades on the shaft above the auger for churning the soil raised by the auger, the shaft having a smooth portion at the lower end of the threaded portion for permitting rotation of the shaft in its upper position without the corresponding axial movement.

2,385,442

PENCIL

Harry Hoffman, Denver, Colo.
Application October 11, 1944, Serial No. 558,140
6 Claims. (Cl. 126-17)



1. In a pencil having a barrel with a tapered tip at one end, a magazine adapted to hold leads in the other end, and a central passageway leading from the magazine forwardly through the tip and adapted to accommodate a succession of leads, means adapted to intermittently move said succession of leads along said passageway in steps of equal predetermined length, said moving means comprising a front chuck within the tip end of the pencil and a second chuck within said pencil spaced rearwardly of said front chuck and a longitudinally slidable member within said pencil adapted to compress said front chuck to grip the lead in the passageway when moved forwardly and to release said front chuck and compress the rear chuck to grip leads in said passageway when moved rearwardly.

2,385,443

PROCESS OF PREPARING CONCENTRATED TOXOIDS AND PRODUCT PRODUCED THEREBY

Josef Hoffmann, Paterson, N. J.

No Drawing. Application January 31, 1942,

Serial No. 429,000

12 Claims. (Cl. 167-78)

2. The process of preparing concentrated toxoids adapted for use in desensitizing the joints and joint tissues of rheumatoid, osteo or mixed arthritic patients, which comprises selecting from among a plurality of strains of hemolytic streptococci a strain which exhibits the ability to produce non-suppurative arthritis in rabbits or mice, preparing a virulent culture from the selected strain, then killing the organisms of the culture and filtering to separate a clear filtrate from the killed organisms, treating the clear filtrate with a solution of a relatively water insoluble organic acid in a readily water miscible organic solvent, and thereby precipitating the toxoid content of said filtrate along with said relatively water insoluble acid, and thereafter separating the toxoid from said acid.

10. The process of preparing concentrated toxoids which comprises providing a culture from a selected virulent, bacterial strain, killing the organisms of the culture and filtering to obtain an aqueous filtrate from the killed organisms, treating the filtrate with a solution of a relatively water insoluble organic acid in a readily water miscible organic solvent and thereby precipitating the toxoid content of said filtrate, and thereafter separating the precipitate from the resulting mixture.

2,385,444

SECONDARY CHLORIDES OF NEOHEXANE

Aaron W. Horton, Thorofare, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application September 17, 1942,

Serial No. 458,753

2 Claims. (Cl. 204-163)

1. The process for obtaining high yields of secondary mono-chlorides of neohexane, which comprises contacting neohexane with chlorine in the presence of light and at temperatures below about 15° F.

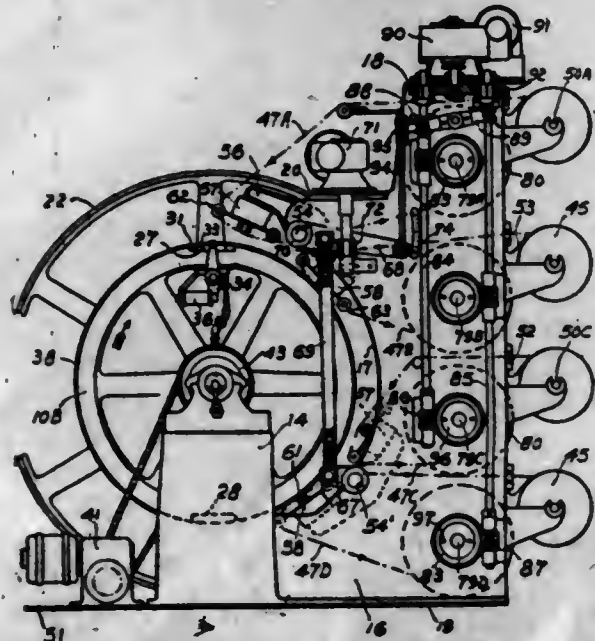
2,385,445

ROTOR GRINDER MACHINE

Louis Illmer, Cortland, N. Y.

Application November 20, 1943, Serial No. 511,153

19 Claims. (Cl. 51-150)



1. In an abrasive machine for treating elongated sheet stock and which machine comprises

presser agency means provided with backing means together with a shiftably mounted abrasive element possessing a certain grit characteristic and which element is operatively interposed between said backing means and a treated side face of said sheet to establish a cutting zone extending crosswise of said sheet, companion presser agency means embodied as a constituent of the same machine and operatively arranged to abrade said face in a manner substantially identical with the first named agency means except for a difference in grit characteristic, and motorized control means for selectively shifting the abrasive element of one such agency means out of its cutting zone and for shifting the other element into active face engagement, the respective cutting zones of such abrasively different elements being disposed in substantial parallelism with each other.

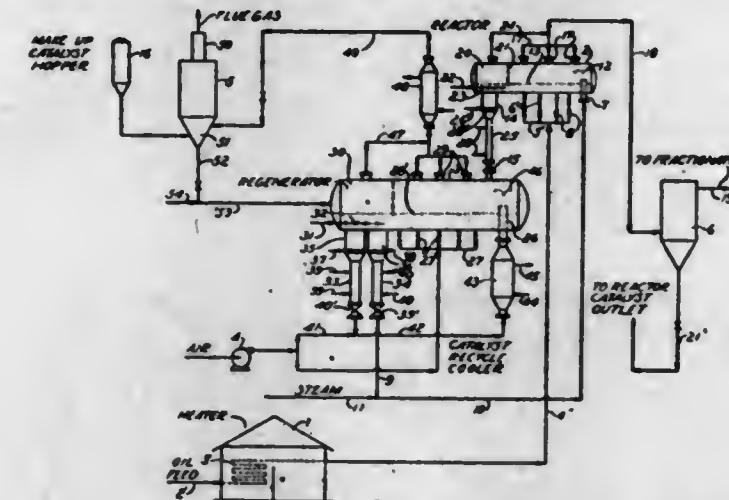
2,385,446

CATALYTIC CONVERSION OF HYDROCARBONS

Joseph W. Jewell, Summit, and George D. Creelman, Mountain Lakes, N. J., and Walter H. Borchert, New York, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware

Application August 6, 1941, Serial No. 405,614

6 Claims. (Cl. 196-52)



2. In a process for the catalytic cracking of hydrocarbons wherein particles of a catalytic cracking material are continuously passed through a cracking zone in contact with the vapors undergoing cracking, thereby accumulating a deactivating deposit of carbonaceous material thereon, the method of regenerating the spent catalyst for reuse in said cracking process, which comprises introducing the particles of spent catalytic cracking material into a regeneration zone, flowing the particles laterally through said zone, introducing an oxygen-containing gas at the bottom of said regeneration zone and flowing the gas upwardly therethrough in contact with the mass of said laterally flowing catalytic particles under conditions adapted to cause combustion of the carbonaceous deposit and at a velocity adapted to maintain said mass in an aerated readily flowable but dense state, withdrawing the gaseous regeneration products overhead from said regeneration zone, and withdrawing the regenerated particles of catalyst from said regeneration zone in a stream separate from the gaseous regeneration products.

2,385,447

MEASURING AND CONTROL APPARATUS

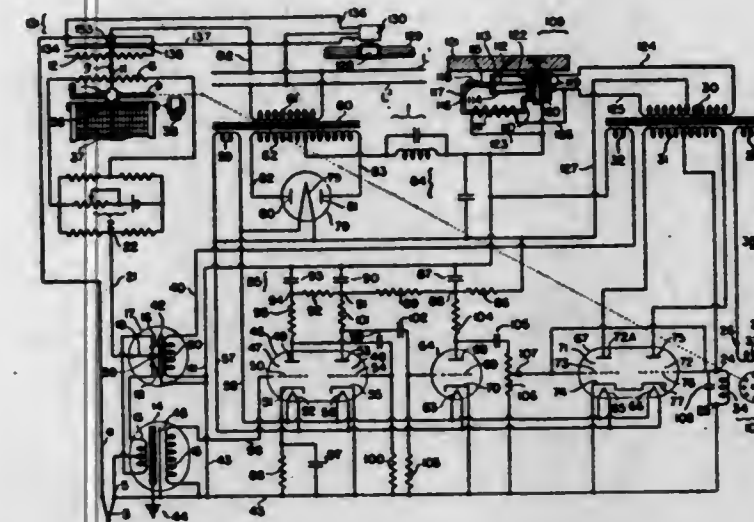
Harry S. Jones, Washington, D. C., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application November 4, 1942, Serial No. 464,534

7 Claims. (Cl. 172-239)

7. Apparatus for measuring the magnitude of a direct electrical potential of unknown magni-

tude including a source of direct current voltage, means operated by said direct current voltage to produce an alternating voltage, means to produce a direct current potential of known magnitude, a circuit to oppose said known direct current potential to said unknown direct electrical potential to derive a differential potential, means to convert said differential potential into a fluctuating potential of one phase or of opposite phase depending upon the polarity of said differential



potential, means to amplify said fluctuating potential, and phase responsive means having a connection with said alternating voltage and controlled by the amplified quantity of said fluctuating potential to reduce said differential potential, said phase responsive means being responsive to the frequency of said fluctuating potential but not to the frequency and the harmonics thereof of an extraneous fluctuating potential which may be superimposed on the amplified quantity of said fluctuating potential.

2,385,448

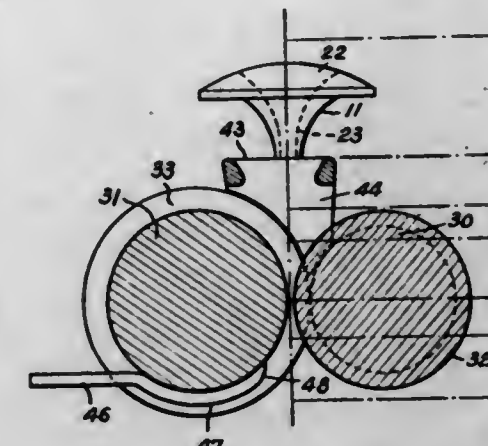
CONDENSING SLIVER

John Green Kershaw, Westmount, Quebec, and Harold Fisher, Mount Royal, Quebec, Canada, assignors to Dominion Textile Company Limited, Montreal, Quebec, Canada, a corporation of Canada

Application August 11, 1942, Serial No. 454,362

In Canada June 20, 1942

5 Claims. (Cl. 19-159)



4. A collar head, comprising in combination, a pair of cooperating calender rolls forming therebetween a throat, a groove on one roll mating with a tongue on the other, means urging said rolls together, a condensing unit adapted to lie within said throat and to cooperate with said rolls, said unit including a sliver-receiving portion having an inlet opening therein, a pair of spaced apart walls extending from said portion, said walls being so dimensioned and positioned as to form a sliver-confining passage which is sufficiently

narrow in one dimension to condense the sliver in that dimension substantially to the width of the said groove and which is sufficiently extensive in a transverse dimension to allow expansion of the sliver in that dimension, each of said walls terminating remotely from the sliver-receiving portion in a pair of convergent edges, one edge of each pair being adapted to conform to the peripheral surface of the grooved roll, the inner face of said one edge being adapted to register substantially with the wall of the groove at points adjacent the peripheral surface of the grooved roll, the second edge of each pair being adapted to lie below the peripheral surface of the tongue of the tongued roll and to meet said one edge at a point inwardly of the peripheral surface of said tongue, said edges forming therebetween an outlet to said passage, each wall being adapted to form substantially a continuation of a side of said groove, and means for holding said condensing unit in operative position in said throat.

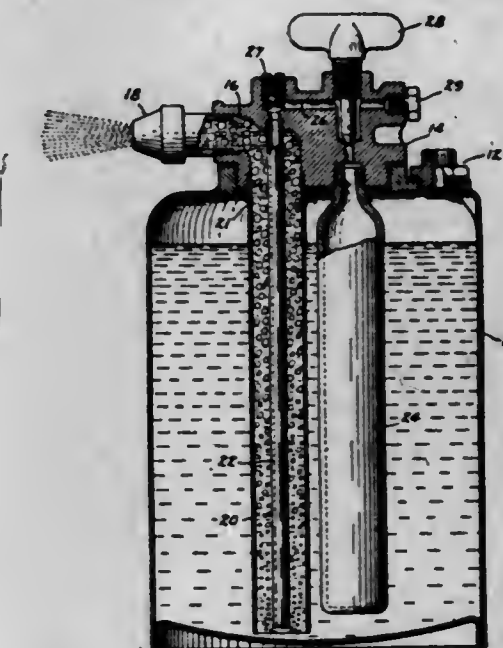
2,385,449

FIRE EXTINGUISHER

William Koehler, Cleveland Heights, Ohio

Application September 17, 1943, Serial No. 502,782

5 Claims. (Cl. 169-31)



1. A storage container for a fire-extinguishing medium comprising a container having a discharge passage, an open-ended well-tube extending from said discharge passage to a point adjacent the bottom of said container, a first means for introducing gas into said well-tube adjacent the open end thereof, a reservoir for containing gas under pressure, a second means connecting said reservoir to said first means, and a valve in said second means for controlling the flow of gas from said reservoir to said first means.

2,385,450

HOT-WATER STORAGE HEATER

Ernst R. Koppel, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

Application May 24, 1943, Serial No. 488,143

8 Claims. (Cl. 122-156)

1. In a domestic water heater, a vertically disposed cylindrical tank having a burner below for heating the same and a central flue extending upwardly therethrough for conducting the products of combustion from said burner to a chimney, an outer casing for said tank with heat insulation between said tank and said casing, and a draft hood for said flue between the upper end of said

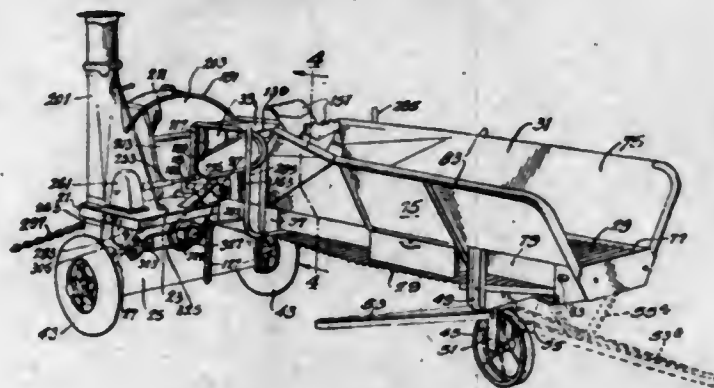
flue and the top of said casing, said casing having openings therein, the combined area of said open-



ings substantially equaling the area of the opening of said draft hood to provide outside air thereto.

2,385,451

FEED CUTTER AND SILO FILLER
Norman R. Krause and Charles W. Hansen,
Racine, Wis.
Application May 11, 1942, Serial No. 442,506
17 Claims. (Cl. 146-109)



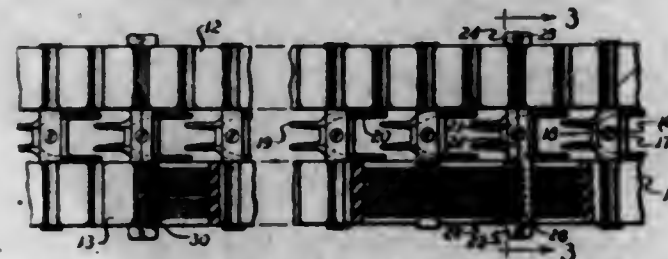
1. In a crop cutting machine of the class described, a unitary frame structure including a horizontally extending platform, a blower casing the lower half of which depends from and is integrally secured to said platform, a crop conveying and feeding mechanism, which includes a hopper and a movable conveying means disposed in the bottom of said hopper, supported at one end on said frame, said platform having a large opening at one side thereof for receiving the delivery end of said conveying and feeding mechanism, a channel member having its flanges downwardly disposed, secured to said frame in front of said opening and level with said platform, a pair of upstanding, spaced apart, strength imparting, side plates having outwardly flared front portions, bridging said opening in said platform, and connecting with said hopper to form a continuation thereof, the bottom edges of said plates being secured to said platform at the sides of said opening therein and being also secured to the top of said channel member, a tubular beam which extends longitudinally of said machine and which is integrally attached to both flanges of said channel member, said beam serving as the main longitudinal support for said conveying and feeding mechanism and a plurality of horizontally extending, conveyor support members supported by welding at spaced apart intervals on said beam and extending crosswise thereof.

2,385,452
INTERPRETING DEVICE
Julius M. Lande, New York, N. Y.
Application October 16, 1943, Serial No. 506,603
3 Claims. (Cl. 35-2)



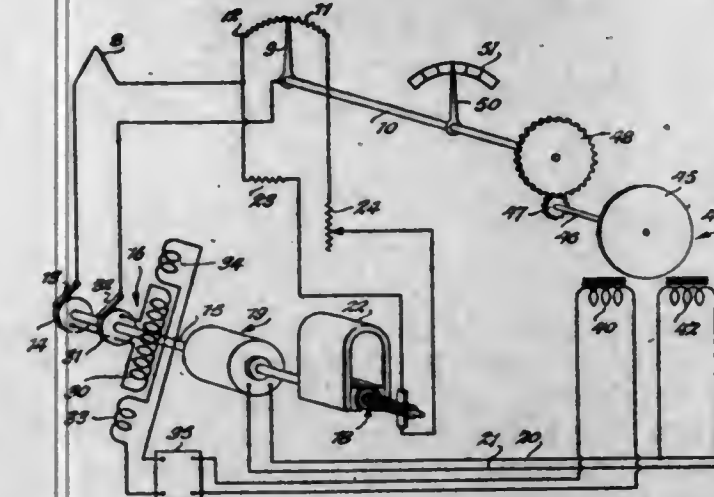
1. An interpreting device of the character described comprising a plurality of elongated slides, each provided on one side thereof with a plurality of phrases in one language, and provided on the opposite side with phrases in a second language and constituting a translation of the phrases in the first language, each phrase and the translation thereof in the second language being in the same relative position on opposite sides of the slide, the phrases on one of such slides being complementary to the phrases on the other slide in order that when the slides are appropriately aligned at the discretion of the user, two of such phrases will form a complete sentence in a single line, and supporting means for such slides whereby the slides are mounted in side-by-side relationship for relative sliding movement, the supporting means having at least one window therein of sufficient depth to permit only one sentence to be seen therethrough, the opposite side of the supporting means being provided with a reference mark to permit the phrases on the several slides to be aligned with such reference mark, wherein the second language equivalent of the phrase will be positioned relative to the opening in the opposite side of the supporting means.

2,385,453
SELF-LAYING TRACK
Charles W. Leguillon, Akron, Ohio, assignor to
The B. F. Goodrich Company, New York, N. Y.,
a corporation of New York
Application August 8, 1942, Serial No. 454,145
19 Claims. (Cl. 305-10)



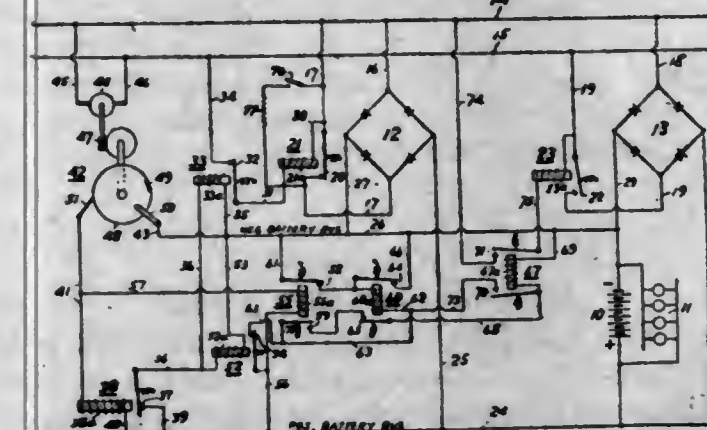
1. In a flexible self-laying vehicle track having anchoring members and flexible metallic cables extending therebetween and anchored thereto, the combination of a flexible sleeve closely surrounding a cable at an anchoring position and extending from within the anchoring member along the cable with the end of the sleeve disposed beyond the member.

2,385,454
APPARATUS FOR AUTOMATICALLY ADJUSTING ELECTRICAL NETWORKS
Henry Lehde, Brooklyn, N. Y., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 17, 1941, Serial No. 402,802
4 Claims. (Cl. 172-239)



1. In an electrical network for balancing an unknown direct current voltage, means providing a source of unvarying direct current and comprising a direct current generator having a permanent magnet field, means for driving said generator at a constant speed, a relatively high resistance connected in series with said generator and regulating said direct current, a second resistance in series with said high resistance and said generator, said second resistance having an adjustable tapped portion, means for connecting said unknown direct current voltage in series opposition with the voltage drop across said adjustable tapped portion of said second resistance, means for generating an alternating current with the phase thereof dependent upon the direction of the unbalance between said voltages, means for amplifying said alternating current, and means actuated by said amplified alternating current for reducing said voltage unbalance.

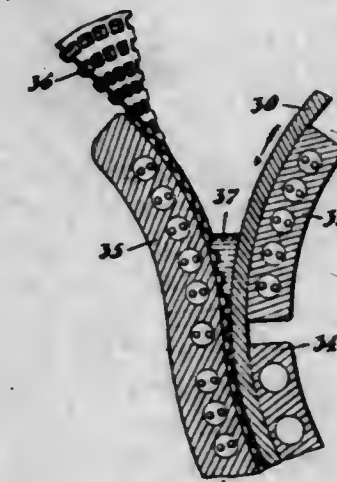
2,385,455
SYSTEM FOR CONTROLLING CHARGING OF STORAGE BATTERIES
Samuel K. Lessey, Chappaqua, N. Y., assignor to
The Electric Storage Battery Company, a corporation of New Jersey
Application March 24, 1944, Serial No. 527,863
8 Claims. (Cl. 320-22)



1. In a control circuit for a battery charging system comprising a charging source, a storage battery and a transmission circuit for transmitting charging current from the source to the battery whereof at least a portion comprises two parallel paths whereof the first is normally closed to transmit a normal charging current to the battery and the second is normally open, the combination of, means responsive to a predetermined high battery voltage for reducing the

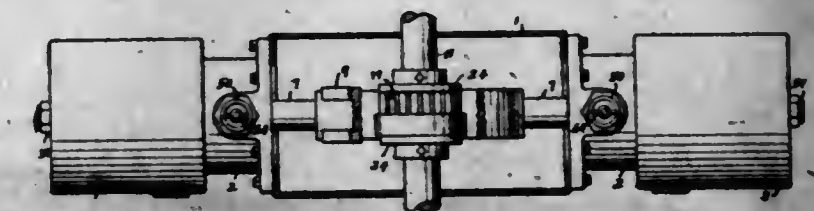
normal current through the first path, timing means for intermittently re-establishing the normal current through said first path, and means controlled by the timing means and responsive to failure of the voltage responsive means to reduce said normal current, for closing said second normally open path, said voltage responsive means adapted in response to said predetermined high battery voltage simultaneously to reduce the current in said first path and open the second.

2,385,456
METHOD OF MAKING MOLDS
Grosvenor D. Marcy, Newton Highlands, Mass., assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass., a corporation of Massachusetts
Original application June 26, 1941, Serial No. 399,861. Divided and this application June 23, 1942, Serial No. 448,076
5 Claims. (Cl. 154-2)



5. A process of making a mold for use in a vulcanizing machine employing a heated drum and a pressure band tensioned around a portion of the circumference of the drum, which comprises providing a cylindrical shell of a size to removably fit the drum, coating the outer cylindrical face of the shell with plastic material that is impressionable at moderate temperature, supporting the shell on the drum beneath the pressure band, rotating the drum and shell, feeding between the coated shell and the pressure band a sheet carrying a relief pattern in contact with the plastic material coating, thereby impressing said pattern into the coating, and thereafter hardening the plastic material to fix permanently its surface configuration with the pattern impressed therein.

2,385,457
POWER TRANSMITTING MECHANISM
John M. Morgan, Houston, Tex.
Original application February 19, 1940, Serial No. 319,634. Divided and this application March 16, 1943, Serial No. 479,390
2 Claims. (Cl. 74-132)



1. An internal combustion motor comprising oppositely arranged cylinders, a shaft arranged perpendicular to the axis of the respective cylinders, pistons reciprocable in the cylinders, a yoke having rack faces, piston rods connected to the yoke and to the respective pistons, means operatively connecting the yoke with said shaft and

effective to transmit rotation in a constant direction to the shaft as the pistons reciprocate, a crank shaft mounted to rotate on the motor and having an eccentric wrist, a connecting rod one end of which has a bearing on said wrist and means for connecting the other end of the connecting rod with the yoke.

2,385,458

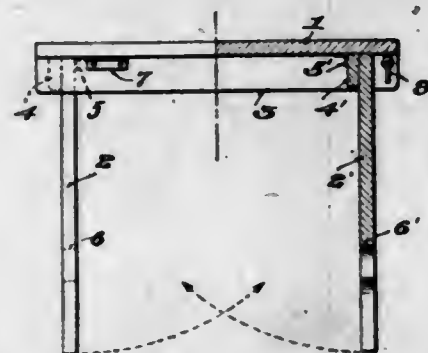
FOLDING STOOL

Ernesto Alfredo Felix Miranda Naón,
Buenos Aires, Argentina

Application November 25, 1944, Serial No. 565,117

In Argentina October 25, 1944

2 Claims. (Cl. 155-151)



2. A folding stool, comprising a seat, a pair of legs hinged at their upper ends to the underside of the seat for inward swinging movement, a ledge carried by the inner face of one leg and another ledge carried by the outer face of the other leg, each ledge adapted to abut the underside of the seat when the legs are swung to upright position, said legs each having notches at their lower ends for clearing the ledge of the opposite leg when the legs are folded against the underside of the seat, stay bars hinged to the underside of the seat and swingable from an inoperative position against the underside of the seat to an angular position parallel to the edges of the legs and having means for engaging the latter when in the last-mentioned position to lock said legs in an upright position.

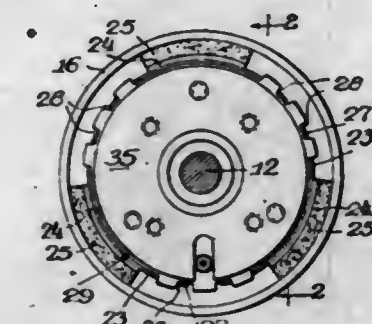
2,385,459

ELECTRIC BRAKE MECHANISM

James Holly Nelson and Hoyt Servis, Racine, Wis.,
assignors to The Dumore Company, Racine,
Wis., a corporation of Wisconsin

Application March 29, 1943, Serial No. 480,966

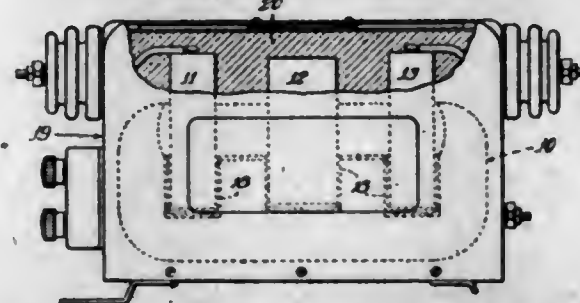
5 Claims. (Cl. 188-172)



5. A cylindrical brake drum having a concentric electromagnet therein, said electromagnet comprising a metal spool including side circular flanges, a coil between said flanges, a plurality of arc-shaped resilient members surrounding said coil, and of a width to span and rest on said flanges, and having a radius less than that of said flanges, whereby energization of said coil will draw said resilient members inwardly away from said brake drum, said flanges serving as stops to limit said inward movement, and friction material interposed between said resilient members and said drum.

2,385,460
METHOD OF INSULATING ELECTRICAL APPARATUS

Morris Omansky, Brookline, Mass., assignor, by mesne assignments, to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois
Application February 15, 1943, Serial No. 475,942
3 Claims. (Cl. 18-59)



1. The method of insulating electrical apparatus having a casing and parts therein adapted to be separated by insulating material which comprises the steps of placing between said parts insulators of curable and pliable rubber base insulating material, and pouring into said casing around said parts and insulators a molten potting compound having a temperature sufficiently high to effect the curing of the insulators.

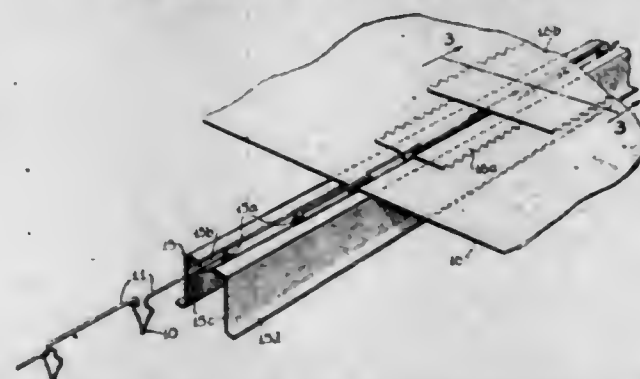
2,385,461

COVER FASTENER

George W. Pancoe, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 31, 1943, Serial No. 481,231

8 Claims. (Cl. 244-132)



1. A fastener of the character described adapted to secure the cover of an airfoil to the frame thereof, said fastener comprising spaced snap elements having opposed shouldered spring arms adapted to enter spaced openings in a frame web, and a backing bar element connected at opposite ends to the spaced snap elements and adapted to overlie the cover between the snap elements and bind it to the frame web, each of said snap elements having its opposed arms disposed substantially in a plane which is transverse to the axis of said bar element.

2,385,462

STAMPING MACHINE

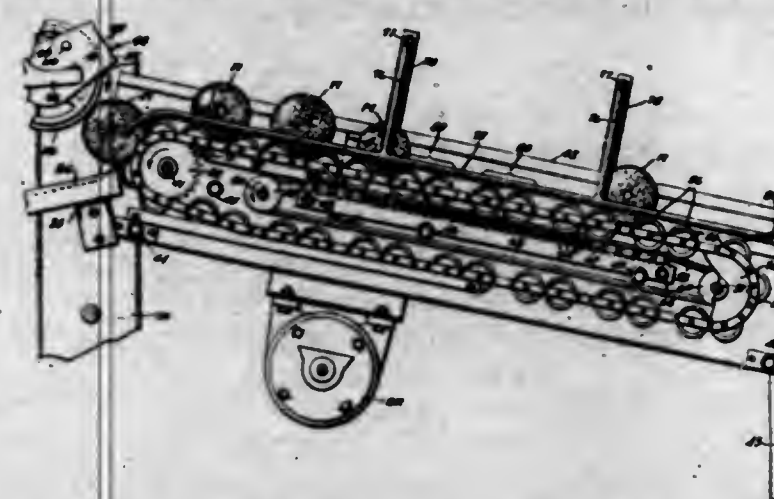
Gerald C. Paxton, Riverside, and Ernest A. Verrinder, Redlands, Calif., assignors to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application October 30, 1941, Serial No. 417,082

7 Claims. (Cl. 101-36)

2. In a stamping machine, the combination of: a roller conveyor having transverse rollers with spaces therebetween for receiving ovaloid objects to be stamped; means for rotating said rollers to bring the major axes of objects carried thereon into parallelism with the rollers of said conveyor; and means for printing a mark on each of said objects, said means being positioned

to contact said object while the latter is still supported on a pair of the rollers of said conveyor with the major axis of said object in parallelism



with said rollers said printing means remaining in contact with said object to print a mark thereon while retaining said object with its axis parallel with said rollers.

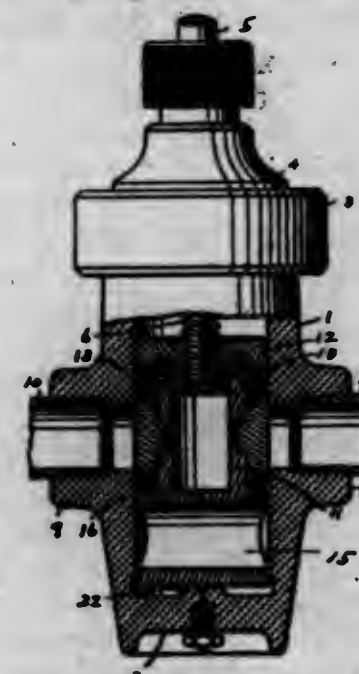
2,385,463

GATE VALVE ASSEMBLY

Arthur J. Penick, Houston, Tex.

Application January 8, 1944, Serial No. 517,590

3 Claims. (Cl. 251-71)



1. A valve assembly comprising a valve casing having a passageway for fluid therethrough, valve means in the casing movable to one position to open the passageway and to another position to close the passageway said valve means including a rigid core and a sleeve of resilient material around the core and a valve of rigid material incorporated into the sleeve and having a slidable connection with the core and positioned to register with the passageway when the valve means is moved to said other position, and means for applying an endwise compressive force to the sleeve to expand the same and to force the valve into contact with the casing wall around said passageway.

2,385,464

AUXILIARY AUTOGIRO MEANS

Adolphe C. Peterson, Minneapolis, Minn.

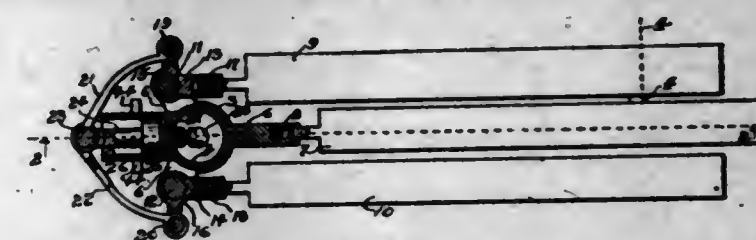
Application March 20, 1941, Serial No. 384,356

12 Claims. (Cl. 170-160)

2. A sustentation rotor means for aircraft, comprising, a rotor hub, a bearing means for mounting of said rotor hub for rotation on a vertical axis, a plural number of airfoil blades secured to said rotor hub for rotation as a unit therewith, each said blade being pivoted on a vertical axis on said hub whereby each said blade is pivotable on its vertical pivot axis for

578 O. G.-35

placing of said blades in spaced positions radially extending from said hub in the plane transversely thereof or in positions substantially parallel and trailing from said hub in said plane



transversely thereof, and a motor means carried on said rotor hub for fluid pressure actuation to effect placing of said airfoil blades in their spaced radial positions about said rotor hub.

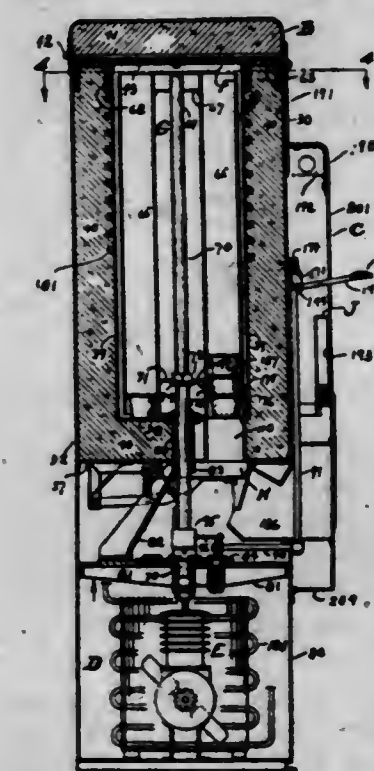
2,385,465

PACKAGE VENDING MACHINE

Louis A. M. Phelan, Beloit, Wis.

Application June 22, 1942, Serial No. 447,964

4 Claims. (Cl. 194-85)



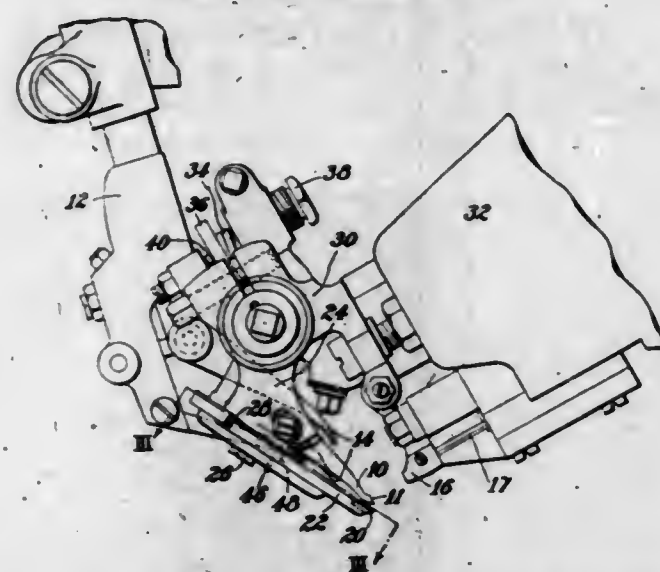
3. A package vendor of the class described, comprising an elongated vertically positioned cabinet, a horizontal partition in said cabinet forming bottom and top compartments, a vertically positioned shaft rotatably mounted in said top compartment, its lower end protruding through said partition, a magazine mounted on said shaft having a number of circumferentially arranged tubes, their ends being open and being adapted to slidably hold a number of package to be vended, said partition being adapted to act as a sliding rest for the packages, an opening in said partition having an enlarged outlet which extends through the front wall of the cabinet, said opening being positioned in alignment with a tube when the magazine is at rest, means in said upper chamber adapted to support all but the bottom package in a tube when the tube is over said opening, a manually operated lever hingedly mounted on the front of said cabinet, a vertically positioned shaft rotatably mounted on the front of said cabinet and having at its bottom an operating connection with said protruding shaft and, concentric turning elements associated with said shaft and lever having means for optionally engaging the elements for simultaneous movement, and a downward movement of the lever will move the magazine far enough to deliver a package, a cover member secured to the front of said cabinet and extending a distance below said enlarged outlet, said enlarged outlet being removably attached and extending through said cover member, and being

adapted to act as a receptacle for the dispensed packages, said cover member being adapted to enclose said clutch and shaft, the free end of said lever extending freely through the cover member whereby when the cover member and enlarged outlet are removed all of said operating connections are exposed to view and whereby the device may be operated, inspected and repaired with the cover member removed.

2,385,466

MACHINE FOR SHAPING UPPERS OVER LASTS

Leonard E. Proulx, Arlington, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 16, 1943, Serial No. 490,966
5 Claims. (Cl. 12-2)

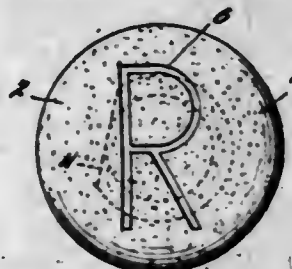


1. In a machine for shaping uppers over lasts, the combination with means for pulling a shoe upper over a last successively in different locations along the edge of the shoe bottom, means for laying the pulled marginal portion of the upper in over a sole on the last and for fastening it to a lip on the sole after each upper-pulling operation, and a shoe rest arranged to engage the sole and the inside face of the lip as the shoe is presented by the operator successively in different lengthwise positions for the operation of the machine thereon, of a member for penetrating the sole to hold the shoe against lateral movement relative to the shoe rest and thereby to relieve the strain on the lip, said member being arranged to have continuous engagement with the sole when the sole is held against the shoe rest and being adapted to permit movement of the shoe in a lengthwise direction by the operator.

2,385,467

PLASTIC BUTTON

Forrest G. Purinton, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application August 12, 1944, Serial No. 549,160
5 Claims. (Cl. 24-90)



1. In a plastic button having insignia on its face, an integral hub, said hub provided with a central bore adapted to receive the prong of a tack fastener, a reinforcing metal member tightly fitted about the free end of the hub, and the metal

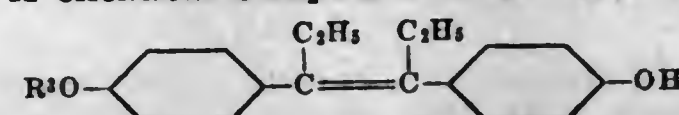
member having means positioned in a definite relation to the insignia on the face of the button for properly orienting the button during an orienting and attaching operation.

2,385,468

MONOALKYL ETHERS OF DIETHYL-STILBOESTROL

Ebenezer Emmet Reid, Baltimore, Md., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
No Drawing. Application June 25, 1940, Serial No. 342,267
2 Claims. (Cl. 260-613)

1. A chemical compound of the type formula



in which R^3 consists of the methyl radical.

2,385,469

PRODUCTION OF ACRYLONITRILE

Donovan J. Salley, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application January 14, 1942, Serial No. 426,683
7 Claims. (Cl. 260-464)

1. The method of producing acrylonitrile which includes the steps of continuously reacting together hydrocyanic acid and acetylene in a heated solution of an acid reacting cuprous salt as a catalyst, in the presence of a solubilizer for the catalyst while maintaining the partial pressure of the acetylene greater than that of the hydrocyanic acid over the catalyst solution.

2,385,470

PRODUCTION OF ACRYLONITRILE

Donovan J. Salley, Stamford, Chester W. Bradley, Old Greenwich, and Harold S. Davis, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application August 5, 1941, Serial No. 405,476
3 Claims. (Cl. 260-464)

1. In the method for the production of acrylonitrile the steps which comprise continuously charging an acid reacting catalyst containing an aqueous solution of a cuprous salt maintained at a temperature not greater than 110° C. and a solubilizer therefor with hydrocyanic acid and acetylene while maintaining the partial pressure of the acetylene greater than that of the hydrocyanic acid over the catalyst solution, continuously removing vapors of acrylonitrile, water, unreacted acetylene and by-product gases, condensing the vapors of acrylonitrile and water, separating the unreacted acetylene from the by-product gases, returning the unreacted acetylene to the cycle, permitting the condensate of acrylonitrile and water to stratify into two layers, returning the lower or water layer to the catalytic chamber and recovering the upper layer of acrylonitrile.

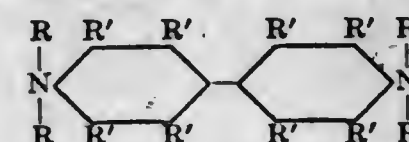
2,385,471

COLORIMETRIC METHOD FOR TESTING FOR AVAILABLE CHLORINE

Harry Scharer, Brooklyn, N. Y.
No Drawing. Application July 17, 1941, Serial No. 402,846
4 Claims. (Cl. 23-230)

1. A process for testing for available chlorine which consists of taking of each solution to be

tested an aliquot containing an approximate gravimetric quantity of chlorine as judged by the presumed or required strength, and, in the presence of a compatible buffer solution of pH 3.0 to 5.0, reacting said chlorine aliquot with a solution of a definite gravimetric quantity of a diamino diphenyl compound to act as a color reagent, selected from the class represented by the formula



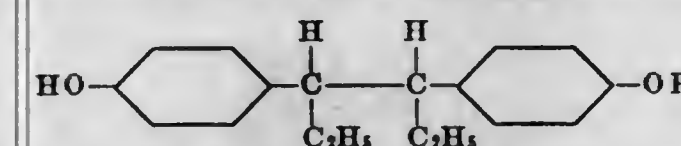
and acid addition salts thereof in which R represents monovalent radicals selected from the class consisting of hydrogen, hydroxyl, aryl, alkyl, alkaryl, arylalkyl, halogen, and R' represents the same groups as R with the addition of monovalent acid radicals, the color reagent being of such nature that oxidation by chlorine will result in the formation of a colored meriquinone and a diversely colored holoquinone; said gravimetric quantity of color reagent being of such stoichiometric relationship to the theoretical amount of chlorine present in the aliquot as to yield the fully oxidized yellow holoquinone; so that if less chlorine be actually present in the aliquot than the theorized amount, such state will be indicated by the formation of the diversely colored, partially oxidized meriquinone blue or green colors, and if more chlorine be present than the theorized amount orange or red colors will result, but if the theorized amount of chlorine be present a yellow color indicative of complete oxidation is obtained, thus affording a quantitative estimation, by comparison with a calibrated color chart, of the amount of chlorine present.

2,385,472

MONOALKYL ETHERS OF HEXESTROL AND METHOD OF PRODUCING SAME

Franz C. Schmelkes, Montclair, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
No Drawing. Application September 26, 1941, Serial No. 412,425
2 Claims. (Cl. 260-613)

2. A chemical compound of the type formula:



in which R is an alkyl radical containing 1 to 5 carbon atoms.

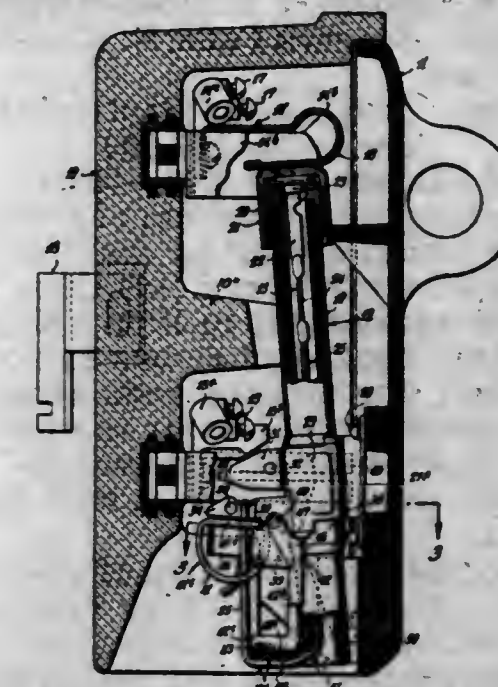
2,385,473

FUSE CUTOUT

William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Application July 22, 1942, Serial No. 451,888
12 Claims. (Cl. 200-114)

4. In a fuse cut-out, a housing open at the front and bottom, a door forming a closure for said front, said door being hinged at the bottom, a pair of spaced terminals within said housing, a bracket attached to the inside of said door and projecting rearwardly therefrom, an expulsion cartridge normally bridging said terminals, a fuse-link extending through said cartridge and having a flexible leader projecting out of one end thereof, said bracket comprising a pair of complementary formed sheet metal

punchings constituting, jointly, a sleeve encircling said cartridge and functioning as a bearing therefor in which said cartridge is slidable longitudinally, said bracket including, as an integral part thereof, a rearwardly extending lug formed

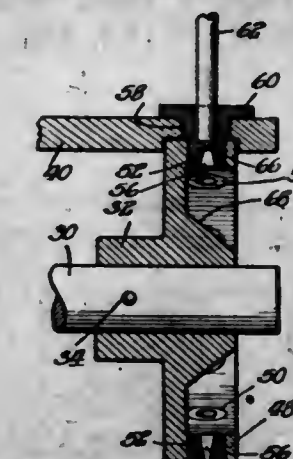


by said punchings, jointly, and a wire clip anchored to said bracket at its midportion, said wire clip including a pair of coiled resilient arms situated at either side of said lug and co-operative therewith to releasably engage and anchor said flexible leader.

2,385,474

DEBURRING MACHINE

Herman Schulz, Chicago, Ill., assignor to Rudolph H. Schulz, doing business as Master Machine Products, Chicago, Ill.
Application June 19, 1944, Serial No. 540,952
4 Claims. (Cl. 164-40)



4. A machine for deburring machine products comprising a frame having a shaft, said machine being adapted to be driven from a source of power, means interposed between said shaft and said source of power for reducing the speed of the applied power so as to drive said shaft at a moderate speed, a wheel mounted on said shaft, said wheel having a transversely extending peripheral portion provided with a plurality of spaced apart apertures each having a frusto-conical shape and of a size slightly larger than the burr to be received thereby, a cooperating stationary member positioned above the peripheral portion of said wheel, said member having an arcuate portion closely adjacent to the periphery of said wheel, said stationary member being provided with a guide for receiving and supporting machine products, said guide being positioned perpendicular to a plane tangent to said wheel and in the plane of the apertures of said wheel whereby machine products may be manually placed within said guide for deburring by said wheel, and means for directing sheared burrs away from said wheel comprising an enlarged hub portion of said wheel having a frusto conical configuration.

2,385,475

PROCESS FOR PRODUCTION OF CHLORINATED ALIPHATIC HYDROCARBONS

James S. Sconce, John T. Rucker, Stuart E. Whitmire, and William R. Schoonover, Niagara Falls, N. Y., assignors to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York

No Drawing. Application September 2, 1943, Serial No. 501,006

5 Claims. (Cl. 260-652.5)

1. The process for production of granular hexachlorethane which comprises melting the material under a pressure of not less than 10 lbs. per sq. in. gauge, spraying it in liquid phase at that pressure into a cooling chamber in contact with a blast of cold dry air, and regulating the temperature and volume of the air to cool the material to a temperature of not over 70° C. before allowing it to come into contact with the walls of the chamber.

5. The process for production of granular hexachlorethane of relatively mild odor and high whiteness from the impure chlorination product which comprises melting the material under a pressure of not less than 10 lbs. per sq. in. gauge, spraying it in liquid phase at that pressure in contact with a blast of cold dry air and gaseous ammonia, into a cooling chamber, and regulating the temperature and volume of the gases to cool the material to a temperature of not over 70° C. before allowing it to come into contact with a wall of the chamber.

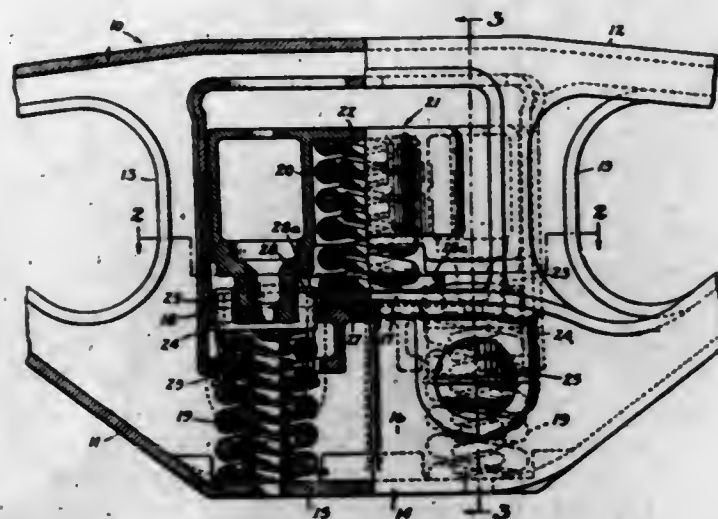
2,385,476

CAR TRUCK

James A. Shafer, East Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio

Application June 7, 1943, Serial No. 489,874

6 Claims. (Cl. 105-197)



1. In a railway car truck, a side frame and a bolster, spring seats on said side frame and bolster, said side frame having a depressed portion between said side frame spring seats, friction members in said depressed portion, spring-actuated friction shoes engaging said members, an element seated in said depressed portion between said friction members having projections overlying said friction members to limit upward movement thereof upon upward movement of said friction shoes, a spring seat portion on said element and a spring seat portion on said bolster directly above said element, the distance between said spring seat portions being substantially the same as the distance between said side frame and bolster spring seats.

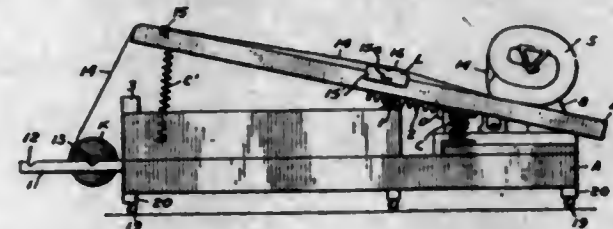
2,385,477

MATTRESS WRAPPING MACHINE

Paul Spagnoli, San Francisco, Calif.

Application December 4, 1943, Serial No. 512,952

6 Claims. (Cl. 270-27)



1. In a mattress rolling machine, a mattress gripping and rolling head including a rotatable disc, a pair of bars carried by the head and having their axes paralleling the axis of rotation of the disc, said bars being adapted to bear against the underside of a mattress, a bar adapted to overlie the mattress and being hinged to the disc, and a bar fastening member securable to all three bars after a mattress has been gripped by the bars for holding the bars in parallel arrangement and for securing the mattress to the bars, and means for rotating the disc for causing the bars to roll the mattress.

4. In a mattress rolling machine, a mattress gripping and rolling head including a rotatable disc, a pair of bars carried by the head and having their axes paralleling the axis of rotation of the disc, said bars being adapted to bear against the underside of a mattress and having a length at least equal to the width of the mattress, a bar adapted to overlie the mattress and being carried by the disc, said last named bar being as long as the other bars, a bar fastening member securable to the free ends of all three bars after a mattress has been gripped by the bars for aiding in holding the bars in parallel arrangement and for securing the mattress to the bars, and means for rotating the disc for causing the bars to roll the mattress.

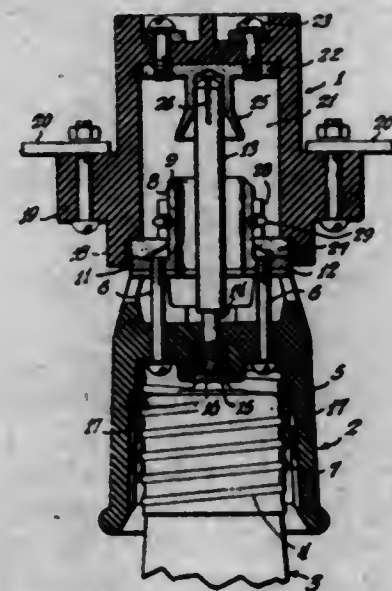
2,385,478

LAMP ADAPTER AND RECEPTACLE

Alwin G. Steinmayer, Milwaukee, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware

Application June 1, 1942, Serial No. 445,310

3 Claims. (Cl. 173-358)



1. A socket member comprising a dielectric housing having a recess, a socketed terminal in the bottom of said recess having an opening flared toward the other end of said recess, and a cylindrical terminal at said other end of said housing, said terminals being substantially concentrically correlated and fixedly mounted on said housing; in combination with an adapter comprising a socket-like insulating housing, a

tubular contact secured to the base of said housing and positioned within and in contact with said cylindrical terminal, a rod-like contact concentric with said tubular contact and projecting into and frictionally engaging said socketed terminal, said rod-like contact being slidably movable through the base of said housing and having a contact head within said housing, stop means on said rod-like contact engageable with said base for limiting the inward movement of said rod-like contact inwardly of said housing, and spring means interposed between said contact head and housing urging said rod-like contact inwardly of said housing.

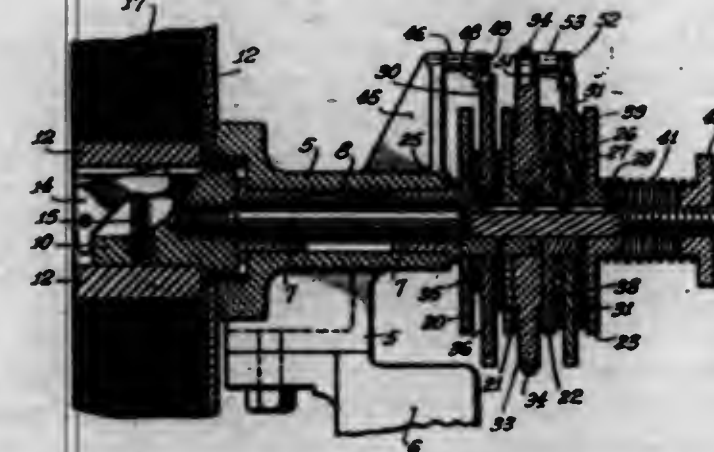
2,385,479

FILM REEL SPINDLE

Joseph L. Underhill, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware

Application October 26, 1942, Serial No. 463,361

9 Claims. (Cl. 242-55)



1. A film reel drive mechanism comprising a rotatable shaft, a film wheel on said shaft adapted to be rotated therewith, a wheel adapted to rotate said shaft in one direction, said shaft being rotated in the opposite direction by the film from said reel, and a pair of overrunning clutches on said shaft, said clutches including friction rings, the friction rings of one of said clutches imparting a certain amount of frictional winding energy to said shaft when said shaft is rotated in one direction by said wheel and the friction rings of the other of said clutches imparting a different amount of frictional drag to said shaft when said shaft is rotated by the film pull.

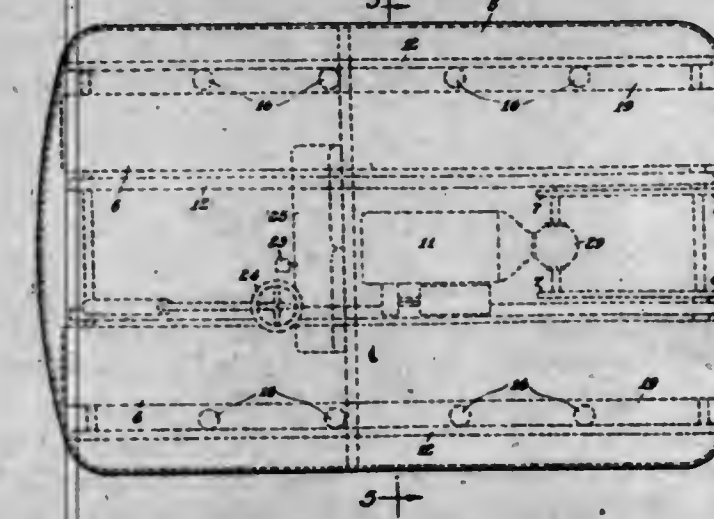
2,385,480

MILITARY VEHICLE

Sidney H. Webster, Ridgefield Park, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application January 17, 1942, Serial No. 427,192

4 Claims. (Cl. 180-9.1)



1. In a tank, the combination of a power plant including engine, transmission, and track, a sup-

porting frame for the engine and transmission, a vertically movable enclosing bonnet, means carried by said supporting frame for raising and lowering said bonnet, means for controlling the operation of said tank, said control means manually operable from a position that may be raised and lowered with said bonnet, and said bonnet arranged for enclosing said track therein at its extreme lowered position for the protection thereof.

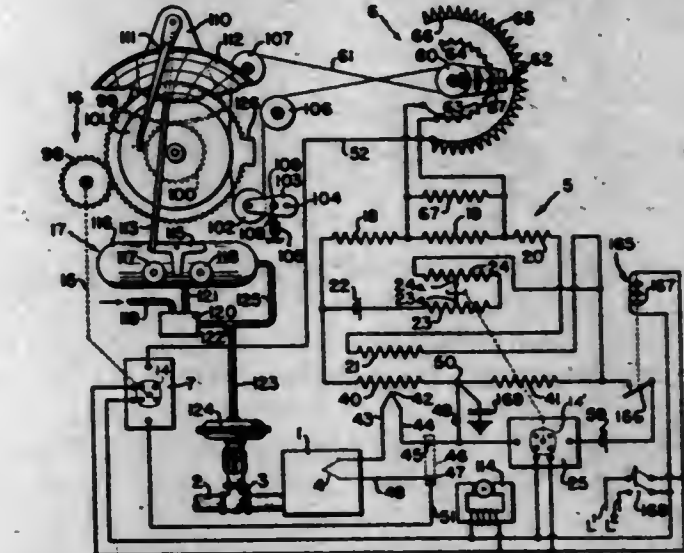
2,385,481

MEASURING AND CONTROLLING APPARATUS

Walter P. Wills, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 25, 1943, Serial No. 480,579

19 Claims. (Cl. 172-239)



1. The combination with a potentiometer circuit comprising a source of current, a slidewire resistance, and a variable resistance, of a device to vary said last mentioned resistance, and means operative continuously in response to the potential drop across said slidewire resistance to actuate said device to maintain a constant potential drop across said slidewire resistance.

2,385,482

HEEL BREASTING MACHINE

Erastus E. Winkley, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application May 11, 1944, Serial No. 535,023

28 Claims. (Cl. 12-47)

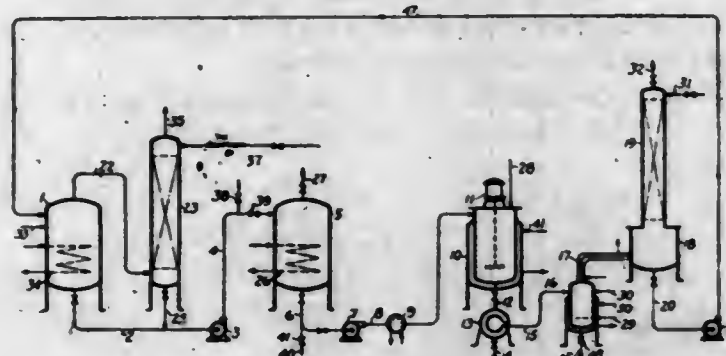


1. In a heel breasting machine, means for supporting a shoe, a gage constructed and arranged to occupy a crease formed between an outsole of the shoe and the forward end of the attach-

ing face of an unbreasted heel attached to the shoe, a heel breasting knife, and means operatively associated with the gage for varying the cutting stroke of the knife in accordance with the position of said gage.

2,385,483

RECOVERY AND PURIFICATION OF IODINE
Harold I. Wolff, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application October 28, 1942, Serial No. 463,716
5 Claims. (Cl. 23-216)



2. In a method of concentrating and purifying iodine used as a catalyst in the dehydration of polyhydroxy compounds, the steps comprising contacting spent iodine catalyst with an alkaline hydrolyzing agent to form an iodide salt of the hydrolyzing agent, subjecting said iodide salt to the action of a strong oxidizing agent to form a crude iodine concentrate, separating said iodine concentrate from said oxidizing agent, passing a non-aqueous inert gas through and vaporizing said iodine concentrate in the presence of concentrated sulfuric acid at a temperature below the vaporization temperature of said sulfuric acid and collecting said vaporized iodine.

2,385,484

PROCESS FOR THE PRODUCTION OF DIOLEFINS

Kenneth A. Wright, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 14, 1944, Serial No. 518,257
14 Claims. (Cl. 260-680)

1. The process for the production of butadiene which comprises contacting a normal butylene in the presence of at least 2 mols of steam per mol of mono-olefin at a temperature above 580° C. at a gaseous hourly space velocity between about 300 and 3000 with a catalyst comprising a dehydrogenating oxide of iron promoted with rubidium in an amount equivalent to 0.9% and 5.5% by weight calculated as the oxide based on the dehydrogenating metal oxide of the catalyst.

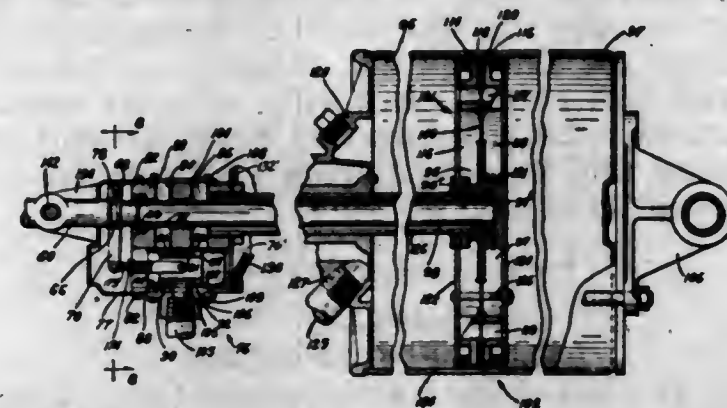
2,385,485

POWER STEERING MECHANISM

Henry Baade, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 2, 1943, Serial No. 500,881
8 Claims. (Cl. 180-79.2)

1. In a power steering mechanism for the dirigible wheels of a motor vehicle comprising a frame member extending parallel or substantially parallel to the ground, a pitman arm adapted to be manually oscillated in opposite directions for steering, a drag link, a double ended double acting pressure differential operated motor, a two-

part follow up valve for controlling the operation of said motor and mounted adjacent thereto, both parts of said valve being moved to effect said controlling operation, and force transmitting means interconnecting the power element of the motor, the pitman arm, the two parts of the control valve and the drag link, said force



transmitting means consisting of a plurality of juxtaposed relatively movable elements extending parallel or substantially parallel to said frame member and further consisting of a lever member connected to both of said valve parts, said member fulcruming at one point when the valve is opened and fulcruming at another point when the valve is lapped.

2,385,486

PRODUCTION OF THERMOPLASTIC SHEETS OF NONUNIFORM THICKNESS

Willard F. Bartoe, Hulmeville, and Walter R. Speck, Langhorne, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
Application March 28, 1942, Serial No. 436,636
4 Claims. (Cl. 18-58)



1. The process of manufacturing thick-centered sheets of organic, polymerized, thermoplastic material which comprises forming a cell of two parallel, flat, resilient sheets of material held in spaced relationship and sealed along their perimeters and which have such strength factors that they are capable of bulging under the weight of the contents of the cell when in the vertical position, introducing into said cell while in the vertical position a fluid, polymerizable material of a density sufficient to cause said sheets to bulge and in an amount which is from about 20% to about 80% greater in volume than the volume of the cell when empty, thereby causing the walls of said cell to bulge, heating the polymerizable liquid to drive off extraneous gases, completely sealing said cell, placing said sealed cell in a horizontal position, heating the polymerizable material to effect complete polymerization thereof, cooling said material, and removing the thick-centered sheet of polymerized material from the cell.

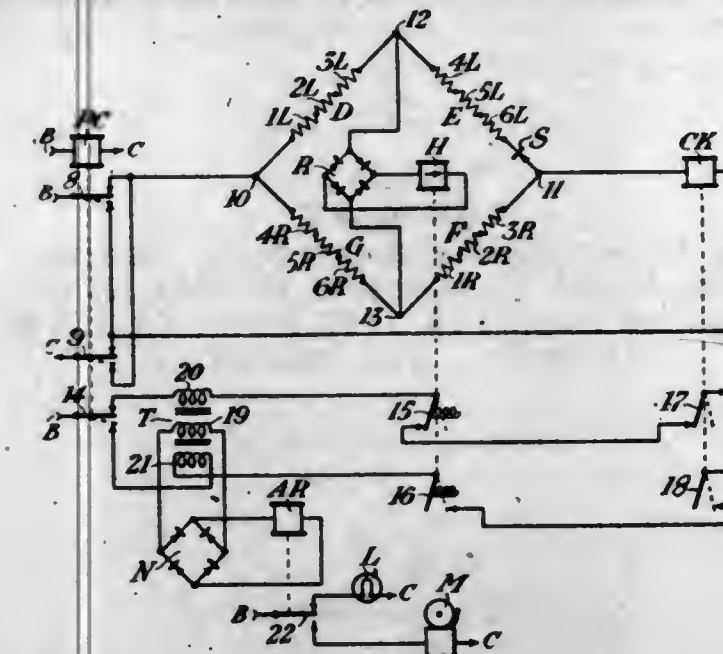
2,385,487

HOT BEARING ALARM

George W. Baughman, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 31, 1944, Serial No. 552,092
10 Claims. (Cl. 246-169)

1. Apparatus for comparing the relative temperatures in a plurality of zones comprising a plurality of resistors one subjected to the temperature in each of said zones, said resistors being disposed in a Wheatstone bridge in such man-

ner that when all of said zones are at approximately the same temperatures said bridge will be balanced but that a change in temperature of one zone relative to any other zone will unbalance said bridge, means for normally periodically

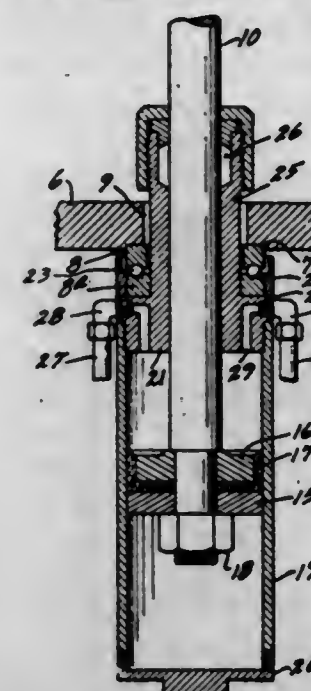


unbalancing said bridge, and indication means controlled by said bridge and effective to provide one indication when said bridge is being periodically unbalanced due to said unbalancing means and another indication when said bridge is unbalanced due to said resistors.

2,385,488

EQUALIZER FOR ELEVATOR CABLES

Edward T. Beatty, Birmingham, Ala.
Substituted for abandoned application Serial No. 749,339, October 22, 1934. This application June 2, 1944, Serial No. 538,358
5 Claims. (Cl. 187-1)



1. An equalizer means for connecting multiple cables to a load, comprising a group of aligned equalizer units, a common support pivoted to the load along the axial plane of which said units are mounted for angular play in unison, and rocker bearings between the units and said load support.

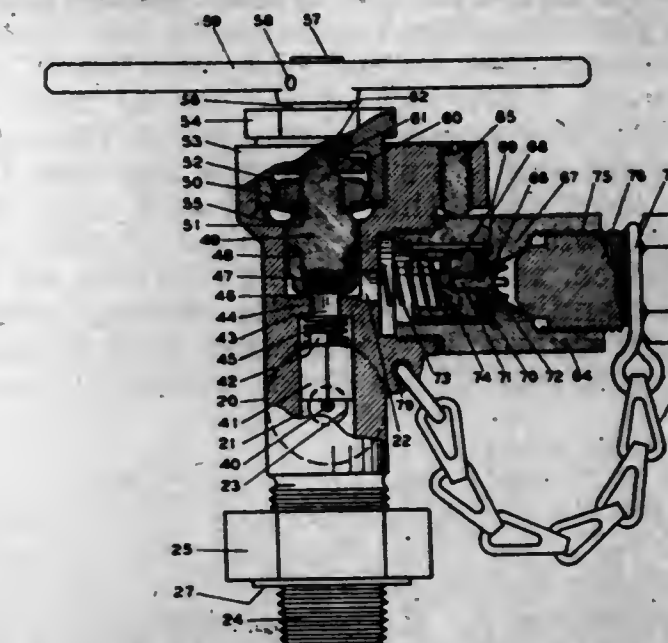
2,385,489

VALVE ASSEMBLY

George R. Benz, Detroit, Mich., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 29, 1937, Serial No. 151,016
5 Claims. (Cl. 277-65)

1. An improved valve assembly for controlling fluid flow, comprising a passageway adapted

to communicate at one end with the interior of a container, a control valve at the other end of the passageway for closing the same, a pressure

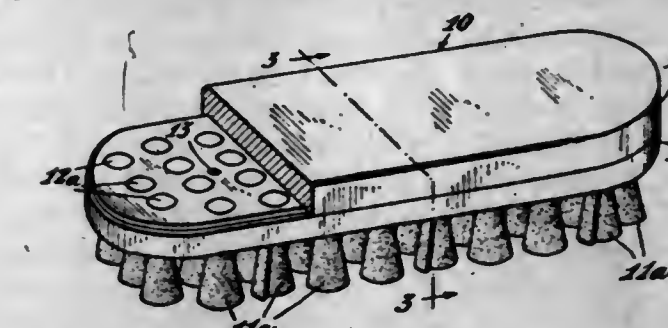


relief valve communicating with the passageway at a point intermediate said ends and an excess flow valve in the passageway between said control valve and said point.

2,385,490

BRUSH

Emile Bernheim, New York, N. Y.
Application June 9, 1944, Serial No. 539,461
1 Claim. (Cl. 15-225)



In a device of the class described comprising a brush having a top and a base member respectively, a plurality of brush units mounted on said base member, each of said units comprising a portion of soft resilient sheeting material rolled into a spiral scroll, the top portion of said scrolled material being confined into a ferrule and secured therein and thereby forming said brush unit, the protruding portion of said spiralled sheeting forming an angular flare or petticoat shaping and the bottom edge thereof being formed into a compact planar spiral scroll, said bottom edge for directly contacting with the article or surface to be brushed in unison with like units mounted on said brush base, said shaping of said spiralled sheeting affording a degree of yield and spread to permit a resilient contacting of said bottom edge of said spiralled sheeting whereby said bottom edge is constantly in resilient contact with said article or surface upon said brushing thereof.

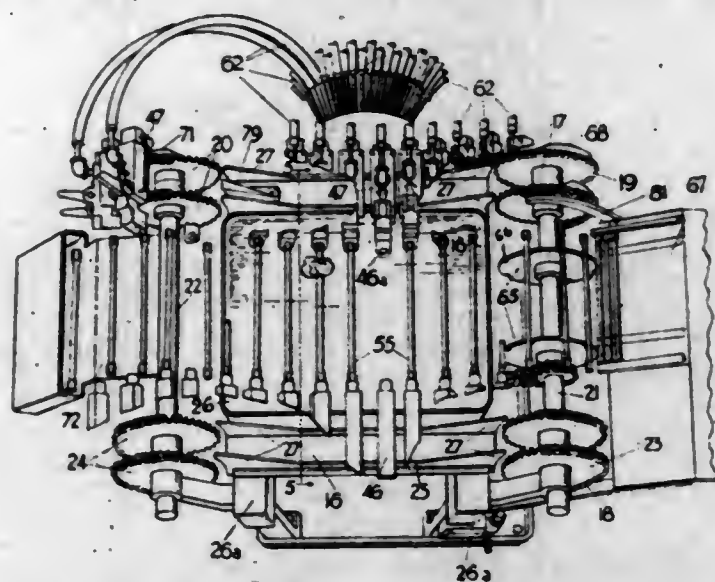
2,385,491

TUBE TESTING APPARATUS

Emile Blair, Dayton, Ohio, assignor to Standard Aircraft Products, Inc., Dayton, Ohio, a corporation of Delaware
Application March 27, 1943, Serial No. 480,837
25 Claims. (Cl. 73-41)

1. In an apparatus for testing tubes, a receptacle for water, a carrier having separate devices for supporting thereon a plurality of tubes in laterally spaced relation one to the other and arranged to submerge said tubes successively in

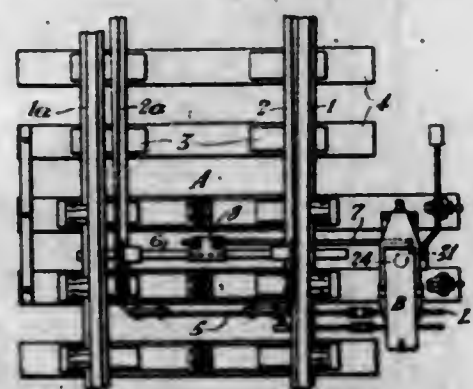
the water in said receptacle, each supporting device including aligned members spaced apart to engage the respective ends of the tube and having means to seal said ends, one of said members comprising a part fixed with relation to said carrier and a part mounted on the first mentioned part for movement transverse to the line of travel of said carrier, spring means acting on said movable part to cause the same to engage one end of a tube and move the other end of said tube into engagement with the other member of said supporting device, said movable part having an air passage extending through the sealing means thereof and means for connecting said air passage with a source of air under pressure, means



in advance of said receptacle for moving tubes successively to a position to be engaged by the respective supporting devices, means for retaining the movable part of each supporting device in a retracted position as said supporting device moves into alignment with a tube on said tube positioning means and for releasing said movable part for movement by said spring means when said supporting device is in such alignment, means for retracting the movable part of each supporting device to release the tubes at a point beyond said receptacle; and means including a manually controlled device for retracting said movable part to release a selected tube at a different point.

2,385,492

RAILWAY SWITCH OPERATING APPARATUS
Herbert L. Bone, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 14, 1944, Serial No. 518,265
2 Claims. (Cl. 246-411)



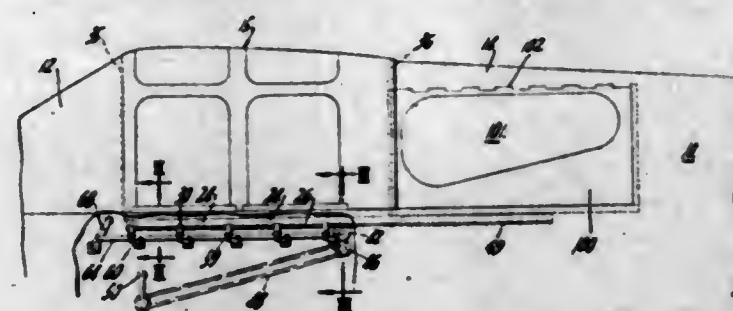
1. In a switch operating mechanism including a switch operating arm adapted to be connected with a railway switch and operable between two extreme positions for operating the switch between its two extreme positions, the combination of means for detecting distortion of the parts of said mechanism resulting in displacement of said arm from its normal position relative to other parts of said mechanism comprising two stops

positioned to just clear said arm in its two extreme positions, respectively, and effective upon displacement of the arm away from one extreme position toward the other to engage said arm when said mechanism is next operated to reverse the switch to prevent the complete reversal of the mechanism, whereby the displacement of said arm will be detected.

2,385,493

AIRCRAFT

Herbert L. Bowers, Kenmore, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y.
Application August 13, 1942, Serial No. 454,629
12 Claims. (Cl. 244-121)

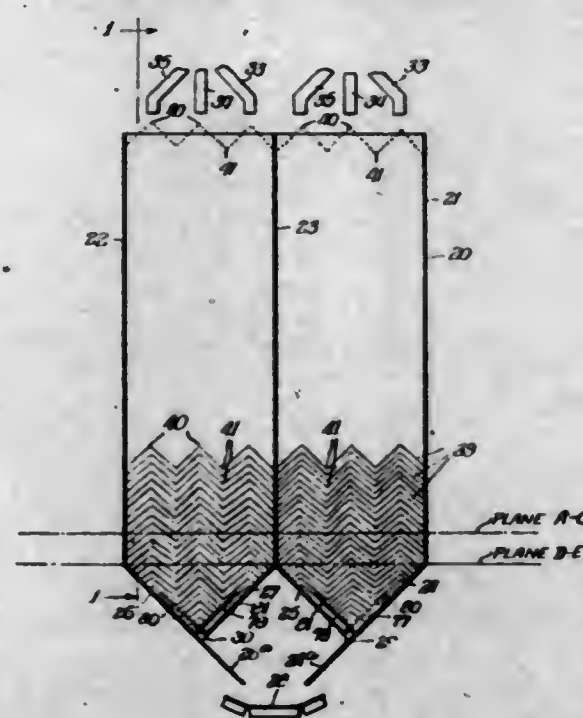


1. In an aircraft, a crew cockpit, a fixed canopy partially enclosing said cockpit, a hatch normally enclosing another portion of said cockpit and movable to telescope over said fixed canopy, said fixed canopy having its opposite side wall portions hingeable to contract inwardly, and cam means carried by said hatch and connected to said canopy side wall portions for automatically actuating the latter inwardly in conjunction with telescoping movements of said hatch.

2,385,494

APPARATUS FOR AVERAGING MATERIALS

Arthur J. Boynton, Chicago, Ill.
Application January 21, 1944, Serial No. 519,247
7 Claims. (Cl. 259-1)



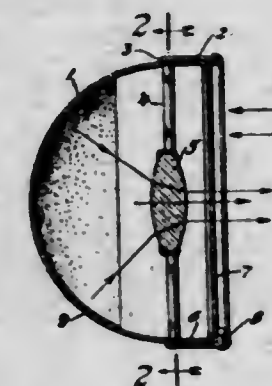
1. Apparatus for dividing a continuous flow of material into equal parts comprising, in combination, means for directing such flow, a distributor box for receiving said material from said directing means, said distributor box being divided into a plurality of contiguous compartments of equal width spaced transversely with respect to said directing means, the transverse dimension of each of said compartments being an aliquot part of the width of said directing means, the effective transverse dimension of said distributor box being equal to the width of said directing means plus a fraction of that width of which the numerator is the

number of parts into which the flow is to be divided and the denominator is the number of compartments of which the combined transverse dimension is equal to the width of said directing means, and means for imparting a reciprocatory transverse motion to said distributor box, the length of such motion being equal to the difference between the transverse dimension of said distributor box and the width of said directing means.

2,385,495

AUTOCOLLIMATING DEVICE

William S. Brian, Owensboro, Ky., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 21, 1943, Serial No. 499,520
5 Claims. (Cl. 250-77)



1. In a marker for use on an object to be viewed from a distance in the dark, a concave screen, a coating of fluorescent material on the screen surface for exposure to ultra-violet rays and a condensing collimating lens spaced in all directions from the fluorescent coating and located at the focus of the concave screen to collimate diffused visible light rays on parallel lines into a concentrated beam.

2,385,496

ZINC BASE ALLOY

Edward S. Bunn, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
No Drawing. Application June 10, 1943, Serial No. 490,327
4 Claims. (Cl. 75-178)

1. Zinc base alloys having, approximately, 1 to 5% copper, 0.1 to 0.75% aluminum, 0.03 to 0.5% silver, the sum of the percentage amounts of aluminum and silver not substantially exceeding the percentage amount of copper, and, for amounts of copper up to 1.5%, the percentage amount of silver not substantially exceeding the percentage amount of aluminum, the balance being substantially zinc.

2,385,497

ZINC BASE ALLOY

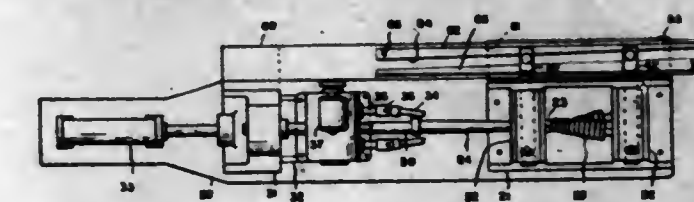
Edward S. Bunn, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
No Drawing. Application June 16, 1943, Serial No. 491,061
2 Claims. (Cl. 75-178)

1. Zinc base alloys having, approximately, 0.75 to 4% copper, 0.05 to 0.25% silver, 0.1 to 0.4% aluminum, and 0.1 to 0.5% metal of the group consisting of manganese, iron, nickel and cobalt, the sum of the percentage amounts of silver, aluminum, and metal of said group not substantially exceeding the percentage amount of copper, the balance being substantially zinc.

2,385,498

APPARATUS FOR FORMING INTEGRAL FINNED TUBING

George E. Clifford, Detroit, Mich., assignor, by mesne assignments, to Calumet and Hecla Consolidated Copper Company, Calumet, Mich., a corporation of Michigan
Application February 23, 1942, Serial No. 432,064
10 Claims. (Cl. 80-13)



1. Apparatus for rolling helical fins on tapered tubes which comprises means for supporting a tapered tube for combined axial and rotational movement, a forming roll arbor, a fin-forming roll on said arbor and means automatically operated in accordance with axial advance of said tube for positively effecting simultaneous movement of said arbor generally radially of the axis of said tube and changing the helix angle of said arbor as occasioned by the taper of said tube.

2,385,499

FUSELAGE BULGE

Robert A. Darby, Buffalo, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application May 19, 1943, Serial No. 487,832
1 Claim. (Cl. 244-129)



In combination, an airplane with a fuselage so designed and constructed as to render it difficult to sideslip or yaw the airplane with its rudder, a horizontal stabilizer secured to the fuselage, and bulging patches secured to the sides of the fuselage at a location thereon beneath the horizontal stabilizer, said patches so fashioned as to fair into the horizontal stabilizer.

2,385,500

FIRE EXTINGUISHING COMPOSITION AND THE MANUFACTURE THEREOF

George Arthur Fasold, Mount Healthy, and Harold W. Greider, Wyoming, Ohio, assignors to The Philip Carey Manufacturing Company, a corporation of Ohio
No Drawing. Application March 12, 1942, Serial No. 434,350
10 Claims. (Cl. 252-2)

1. A fire extinguishing composition in the form of a granular product, said product comprising a multiplicity of essentially contiguous bituminous granules containing bitumen solid at ordinary atmospheric temperatures and containing finely-divided solid material that is unmeltable when subjected for 5 minutes to a temperature of about 1200° F. and that is uniformly incorporated and intimately commingled with the bitumen in said granules as an integral part of said individual bituminous granules.

2,385,501

ELECTRICALLY HEATED APPLICATOR

Anna Fevas, Akron, Ohio
Application February 21, 1944, Serial No. 523,369
5 Claims. (Cl. 128-24.1)

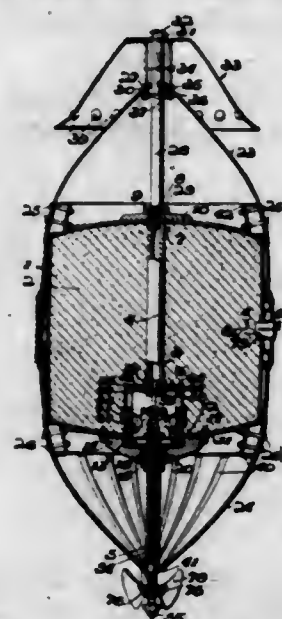


1. In an electrically heated applicator, the combination of a casing comprising an upper and a lower section, said lower section provided with outlet apertures near its middle and with an integral upstanding auxiliary sleeve, a separable bottle-support within said sleeve, an inverted bottle resting on said support, and means for supplying air to said bottle whereby liquid may be discharged therefrom to said outlet apertures.

2,385,502

INCENDIARY BOMB

Thomas M. Finley, Caledonia, Mo.
Application June 11, 1941, Serial No. 397,616
10 Claims. (Cl. 102-6)



1. A bomb of the character described, including a container for holding an inflammable explosive material, central vertical tubular member extending through the bottom of the container and having a housing arranged interiorly of the container, a plurality of gun barrels mounted on the housing and extending into the container, a plunger slidable in the tubular member and having a head located with the housing, said plunger projecting at the bottom of the bomb and movable upwardly when the bomb in falling contacts with a surface, and means located at the inner end of each gun barrel and arranged to be simultaneously engaged and actuated by the plunger head for firing explosive charges from the gun barrels into the container.

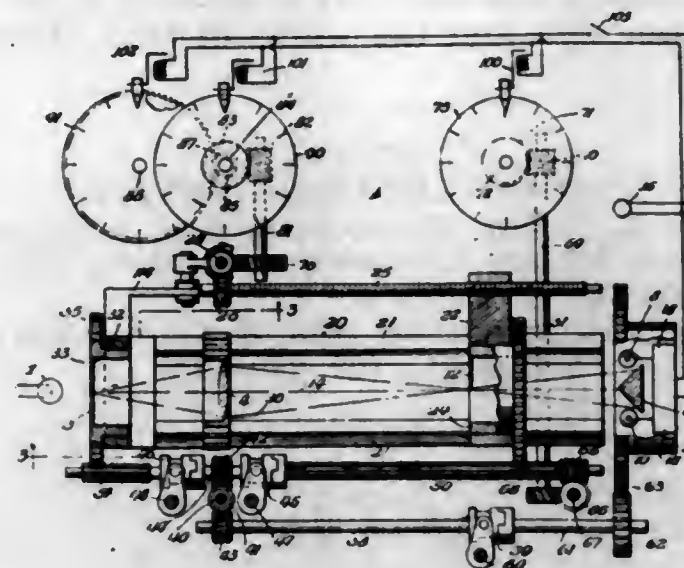
2,385,503

OPTICAL TESTING DEVICE AND METHOD OF TESTING

Charles J. Glasser, Chicago, Ill.
Original application March 20, 1941, Serial No. 384,372. Divided and this application March 17, 1942, Serial No. 435,119
13 Claims. (Cl. 234-1.5)

6. Means for testing an image-forming lens which comprises a light responsive cell, means for

directing a beam of light from the lens to the cell, a light control member in the light path, means for moving the control member and the cross-over point of light from the lens with respect to one another along the optical axis of light from the lens to vary the light effect on the



cell, recording apparatus a record making part of which is geared to the said last named means, and means controlled by the light cell and co-operating with said part of the recording apparatus for controlling the recording operation of the recording apparatus.

2,385,504

SEPARATION OF AROMATIC AMINES FROM IRON SLUDGE

John Paul Goulding, Neshanic Station, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 12, 1942, Serial No. 446,778
8 Claims. (Cl. 260-582)

1. The method of recovering water insoluble primary aromatic amines from a mixture of the amine and iron sludge resulting from the reduction of the corresponding nitro compound with iron which comprises adding a water soluble salt and a water immiscible, inert solvent for the amine, the solvent being so chosen that the resulting amine solution has a lower specific gravity than the aqueous salt solution containing the iron sludge, agitating the mixture, allowing the aqueous and solvent phases to separate into layers and the iron sludge to settle, collecting the solvent layer and isolating the amine from the separated solvent layer.

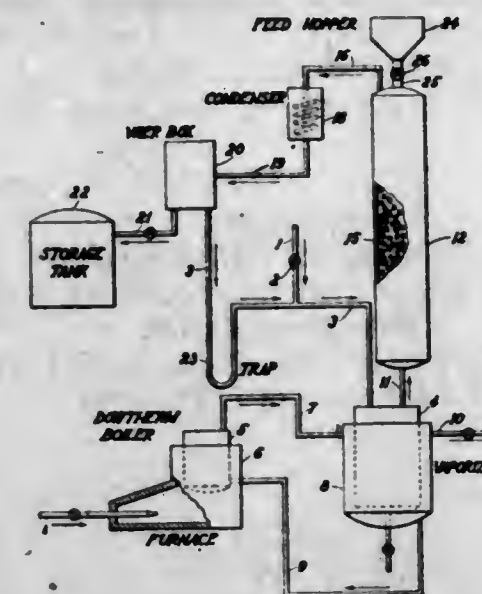
2,385,505

PRODUCTION OF HALIDES

Robert W. Grimble, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1943, Serial No. 516,381
10 Claims. (Cl. 23-93)

1. A process for the production of anhydrous metallic halides whose temperatures of vaporization are at least about 100° F. below the melting points of their respective constituent metals by direct reaction of the solid metals with halogen gases which comprises the steps of: (1) passing a mixture of halogen gas and metallic halide vapor obtained in the manner herein-after defined into a reaction zone containing the solid metal reactant in a suitably divided state, (2) maintaining a temperature within

the reaction zone above the vaporization temperature of the desired metallic halide product and below the melting point of the metal reactant by controlling the relative proportions of halogen gas and metallic halide vapor in step 1 whereby additional metallic halide vapor is

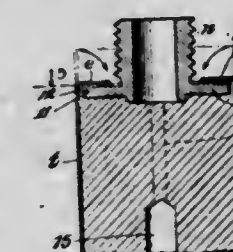


formed by reaction of the halogen gas with the metal, (3) removing the metallic halide vapors from the reaction zone, (4) utilizing a cooled portion of the metallic halide vapors obtained in step 3 as the metallic halide vapor in step 1, and (5) recovering the remaining portion of the metallic halide as product.

2,385,506

NONMETALLIC COLLAPSIBLE DISPENSING TUBE AND MANUFACTURE THEREOF

Irving Gurwick, New York, N. Y., assignor to Shellmar Products Company, Mount Vernon, Ohio, a corporation of Ohio
Application February 15, 1943, Serial No. 475,880
7 Claims. (Cl. 18-59)



1. The method of making a non-metallic collapsible dispensing tube in which the tube is of a material which is swollen when wet and shrinks when dried and in which an end extension of the tube is attached to a dispensing nipple by being shrunk over the flange of the nipple during the drying of the tube, which consists in assembling the dispensing nipple and the wet and swollen tube with a displaceable body surrounding the nipple flange and disposed between the rim face of the nipple flange and the opposed part of the tube wall, the tube end extension projecting freely beyond said body and nipple flange, permitting the tube to dry during which the tube end extension shrinks bending over said body and the top wall of the flange for attachment to the flange, and in then withdrawing said body whereby the resulting tube end is spaced away from the rim of said nipple flange.

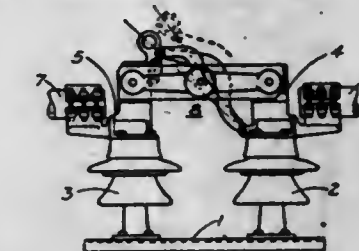
5. A non-metallic collapsible dispensing tube comprising a tube of a material which is swollen when wet and shrinks when dried, a dispensing closure for said tube including a flanged nipple, the said tube in its dried condition having a main vertical wall and having an extension end which is bent horizontally over the top wall of the nipple flange and attached thereto, the end of the ver-

tical wall of the tube immediately continuous with said bent over end extension being spaced away horizontally from the rim of the said nipple flange a distance to permit radial contraction and shrinkage of said end of the vertical wall of the tube to take place.

2,385,507

ELECTRIC SWITCH

William A. Gussow, Birmingham, Ala., assignor to Southern States Equipment Corporation, a corporation of Alabama
Application July 28, 1943, Serial No. 496,675
8 Claims. (Cl. 200-48)

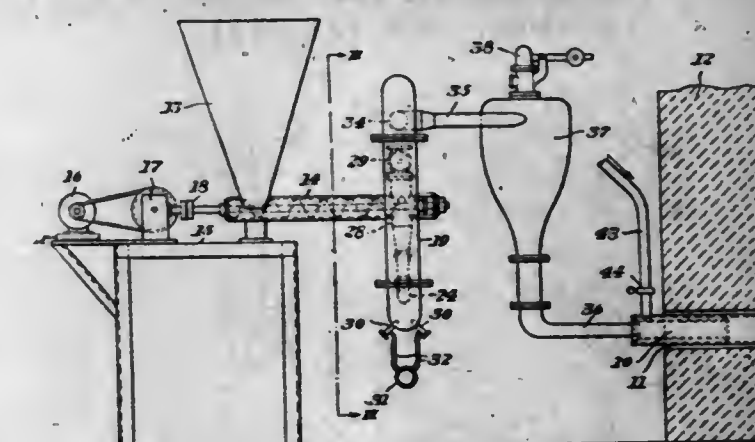


1. In an electric switch, two spaced insulated supports, a hinge contact mounted upon the first support and a jaw contact mounted upon the second support, a switch arm structure mounted by a hinge pivot upon the said hinge contact and cooperable with the said jaw contact; the said switch arm structure including a blade, a pressure bar connected to the blade and operable to force the blade against the two said contacts, a lever pivotally mounted upon the said blade intermediate the said hinge and jaw contacts and operable to force the said pressure bar against the said blade; together with an operating arm pivotally mounted upon the said first support at a fixed space from the said hinge pivot, a pivotal connection between the swing ends of the said operating arm and the said lever, and means to move the said operating arm to open or close the switch.

2,385,508

COMBUSTION OF COAL

Edgar S. Hammond, Bloomfield, N. J., assignor to Blaw-Knox Company, a corporation of New Jersey
Application October 23, 1943, Serial No. 507,401
2 Claims. (Cl. 241-5)



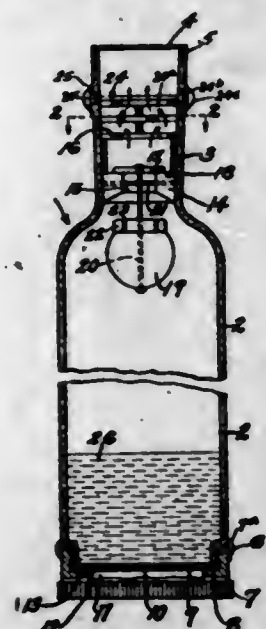
1. In a method of preparing and supplying coal for combustion, the steps including delivering preliminarily ground coal to a final grinding zone, discharging superheated steam into said zone so as to cause the coal to traverse a closed path repeatedly, thereby further grinding the coal by mutual impact in said zone to reduce it to particles small enough to be capable of suspension in said steam, conveying the steam and the coal suspended therein to a burner by the energy resulting from expansion of the steam, maintaining the coal in a state of suspension in the steam continuously between the point of introduction

of the steam and the burner, maintaining the fuel-air ratio below the explosive value between said point and the burner, and maintaining the steam in a superheated condition between said point and the burner.

2,385,509

SAFETY LIQUID DISPENSER

Alfred T. Harris, Bakersfield, Calif.

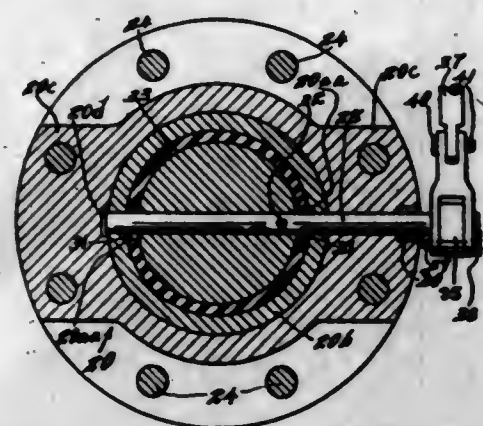
Application December 20, 1941, Serial No. 423,712
2 Claims. (Cl. 215-23)

1. In a device of the character set forth the combination comprising a bottle body having a tapered bottle neck at its top end and a reduced bottom end; a valve seat ring integral with the lower end of said tapered bottle neck; said valve seat ring having shoulders and being provided with an opening that permits ingress and egress of liquid when regulated by a valve that rests upon the shoulders of said valve seat ring; said bottle neck being provided with a plurality of glass discs placed in a staggered position to regulate the flow of liquid therein and a metal cap threaded to said reduced bottom end having sealing means encased therein to form a safety seal and telltale.

2,385,510

BALANCED VALVE

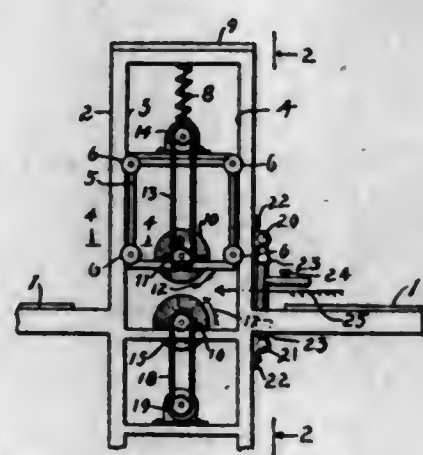
Stanley G. Harwood, San Marino, Calif.

Application September 10, 1942, Serial No. 457,829
5 Claims. (Cl. 251-11)

1. A valve for conduits adapted to contain liquids comprising a member having an interior wall of general cylindrical form, a disk-like member disposed in said member and oscillatable about an axis extending perpendicular to the axis of said wall, a pivot means disposed at opposite points of the periphery of said disk-like member, said disk-like member having portions at diametrically opposite points on its periphery respectively having openings therein for receiving said pivot means, said portions having circular grooves about said openings and

encircling said pivot means and said disk-like member having a groove extending about its periphery communicating with said circular grooves and a member of yielding material fitting in said grooves and extending about said disk-like member for 360 degrees and adapted to engage said wall throughout 360 degrees whereby a tight seal is formed about said disk-like member for 360 degrees and a seal is formed about said pivot means throughout 360 degrees.

2,385,511

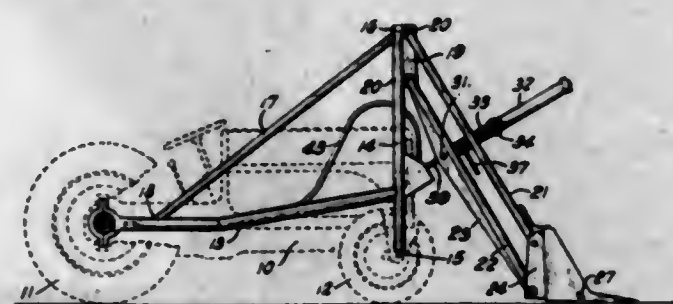
MATTRESS SCRUBBERFred E. Hays and Lawrence O. Scott,
San Jose, Calif.Application November 30, 1943, Serial No. 512,398
2 Claims. (Cl. 15-21)

2. A machine for scrubbing mattresses and the like comprising, a supporting means providing a pair of table tops disposed in substantially the same horizontal plane and a vertical framework disposed between their opposing ends and extending thereabove, a cylindrical brush mounted on the framework in parallel relation with the table tops, the work contacting portion of the brush extending above the plane of the table tops, and means for rotating said brush, a carriage mounted for vertical movement in said framework and springs connecting said carriage with the upper portion of the framework to support the carriage, a cylindrical scrubbing brush rotatively mounted on the carriage in opposed and parallel relation with the first mentioned brush, and driving means for the second brush mounted on the carriage.

2,385,512

POWER SHOVEL AND LOADING DEVICE

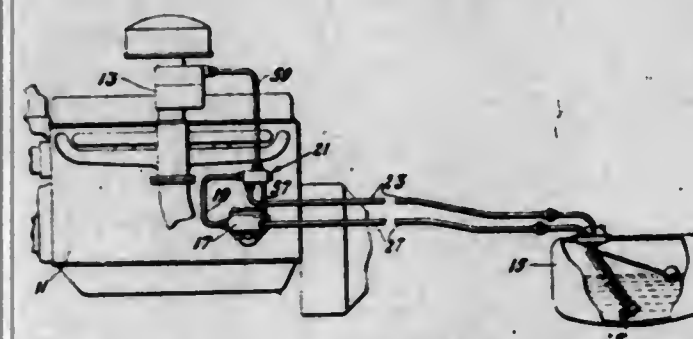
Robert Heath, Fort Collins, Colo.

Application December 26, 1944, Serial No. 569,684
4 Claims. (Cl. 214-140)

1. In combination with a tractor having a frame, a rear axle, a high pressure pump and an oil sump, a frame of triangular shape on each

side of the tractor, and secured thereto, the two longer sides having their vertices adjacent the rear axle, the short side extending substantially vertically adjacent the front of the tractor, each vertical arm having two spaced bearings near its upper end, lifting arms pivotally connected with the four bearings, the arms being of substantially the same length, a load carrying device having a back and two spaced sides and two pair of vertically spaced bearings, one pair adjacent each side, the lower ends of the lifting arms being pivotally connected with the last mentioned bearings; whereby two spaced, parallel, deformable parallelograms are formed, and means for rotating the lifting arms about their upper pivotal connections, comprising, an elongated cylinder pivotally connected at its lower end with the lower arms of the two pair, the upper end of the cylinder being closed, a piston in the cylinder, a tubular piston rod extending through the piston, a pivot secured to the vertical frame members below the lowermost of the upper bearings, the lower end of the piston rod being hingedly connected with the frame by said pivot, the interior of the piston rod being in communication with the interior of the cylinder, and means connecting the interior of the piston rod with the pressure pump.

2,385,513

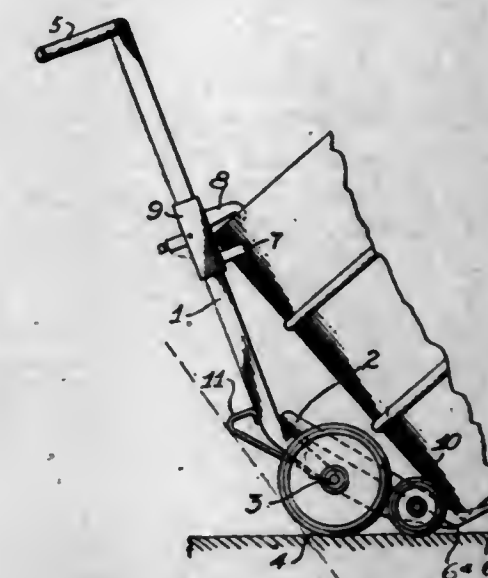
FUEL SYSTEMJames O. Helvern and Everett L. Baugh, Dayton,
Ohio, assignors to General Motors Corporation,
Detroit, Mich., a corporation of DelawareApplication October 15, 1942, Serial No. 462,172
6 Claims. (Cl. 158-36.3)

1. A fuel system to supply an engine with fuel from a tank, said system having a main conduit and a branch conduit, a circulating pump with high pressure and low pressure sides and located within and constituting a part of said main conduit, a pipe also constituting a part of said main conduit connecting said tank to the low pressure side of the pump, mechanism associated with said pipe and operable to add fuel to said pipe from said tank, a priming valve having a passage therein, said passage having inlet and outlet openings, a second pipe connecting said inlet opening with the high pressure side of the pump, a third pipe connecting the outlet opening with said mechanism whereby said second and third pipes with said passage constitute a part of said first conduit, a member movable in said passage to a first position where it cuts off flow between said inlet and outlet openings, said priming valve having a third opening, said movable member constructed to provide communication between said inlet opening and third opening when in said first position, said branch conduit being connected to said third opening for supplying said engine, said priming valve having a fourth opening, connected to the low pressure side of the pump, said movable member having a second position in which said inlet and outlet openings communicate and in which said third and fourth openings also communicate.

2,385,514

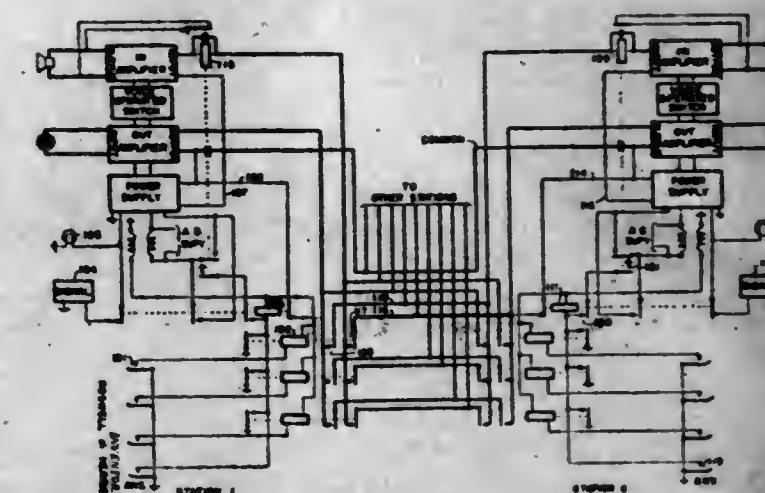
BARREL TRUCK

Roe C. Hawkins, Long Beach, Calif.

Application February 7, 1944, Serial No. 521,316
7 Claims. (Cl. 214-65.4)

1. A truck of the class described, comprising a frame, a truck conveying wheel means adjacent and behind one end of the frame, supporting arms at said end of the frame and extending forwardly thereof, and a pair of truck conveying wheels positioned between the wheel means and said arms, the tread portions of the wheels extending slightly below the plane passing through the tread portion of the wheel means and the rear portions of the arms, the arrangement between the rear portions of the arms and the tread portion of the wheel means being such that the truck is tilted through an angle of less than 20° from a position, when resting on the rear portions of the arms and the wheels, to a position determined by the wheels and wheel means, the wheels and wheel means being so arranged that the truck may rest upon and be rolled over a floor simultaneously on both.

2,385,515

INTERCOMMUNICATION SYSTEMRoswell H. Herrick, Oak Park, Ill., assignor to
Automatic Electric Laboratories, Inc., Chicago,
Ill., a corporation of DelawareApplication March 25, 1944, Serial No. 528,030
15 Claims. (Cl. 179-38)

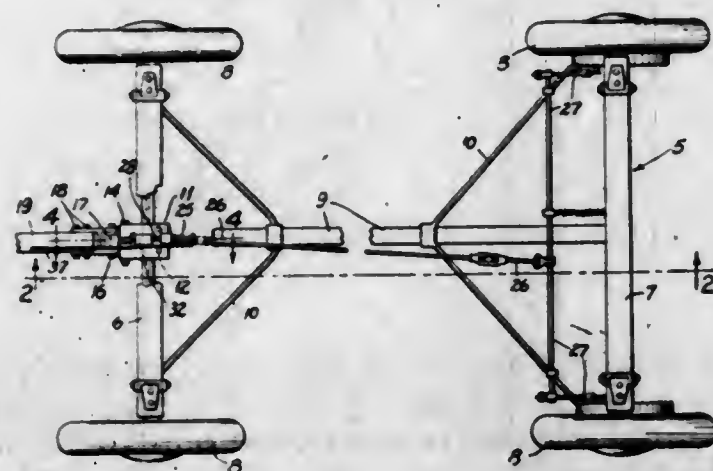
1. In an intercommunicating system including a plurality of stations, each comprising voice receiving and transmitting means, a direct current source associated with each said transmitting means, a relay associated with each said receiving means, conductors for each station, switching means at each station, said switching means being operated at one station to selectively con-

nect the transmitting means of said one station and the receiving means of any other station via said conductors to simultaneously complete a talking circuit therebetween and energize the relay at said other station by the source of direct current at said one station over the same said conductors.

2,385,516

BRAKE HITCH AND RELEASE

James Hovorka, Elizabeth, Ill.

Application February 2, 1945, Serial No. 575,757
4 Claims. (Cl. 188-142)

1. In a device of the kind described for mounting upon a wagon having conventional brake equipment operable through a forward pull upon a brake rod, a hitch frame mounted centrally upon the front axle of the wagon, a brake and release lever extended angularly and vertically through the frame and pivotally pinned therein through a medial point of the lever for oscillating back and forth at its upper and lower ends, a tongue engaging coupling pivotally mounted at the lower extended end of the lever, a ball bearing at the upper extended end of the lever, an elongated and channeled hitch release frame positioned above the said hitch frame in horizontal and longitudinal alignment therewith, the rear end of the hitch release frame being connected with the forward end of the said brake rod, a lock pin rod disposed freely within the channel of the hitch release frame, a lock pin anchored transversely to the lock pin rod, the sides of the channeled hitch release frame being slotted in transverse alignment with down-turned portions thereof adapted to engage and seat the said lock pin at its ends to lock the movement of the connected rod, means controlled by a rope connected to said means and extended to the hand of the driver for ejecting the lock pin from said down-turned portions of the slots for freeing the lock pin rod for movement along its channel, and means at the forward end of the lock pin rod for engaging the said ball bearing of the brake and release lever.

2,385,517

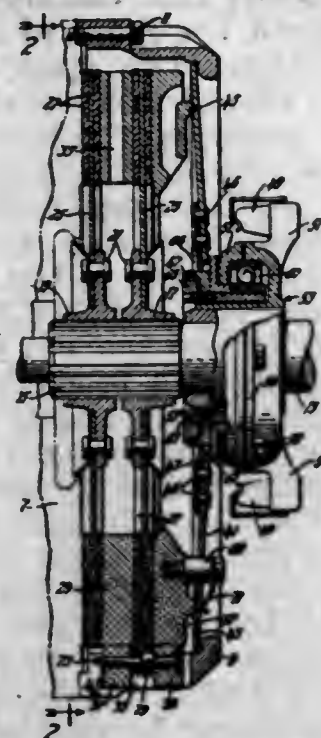
CLUTCH

George Hunt, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 19, 1944, Serial No. 518,811
6 Claims. (Cl. 192-69)

1. In a clutch, a driving member, spaced first and second pressure plates rotatable therewith, spaced driven discs one adjacent the driving member and the other between the pressure plates, means to reciprocate said pressure plates, other means to automatically take up wear and including a part extending through said pressure

plates, said part having enlargements on opposite sides of said first pressure plate and spaced to an

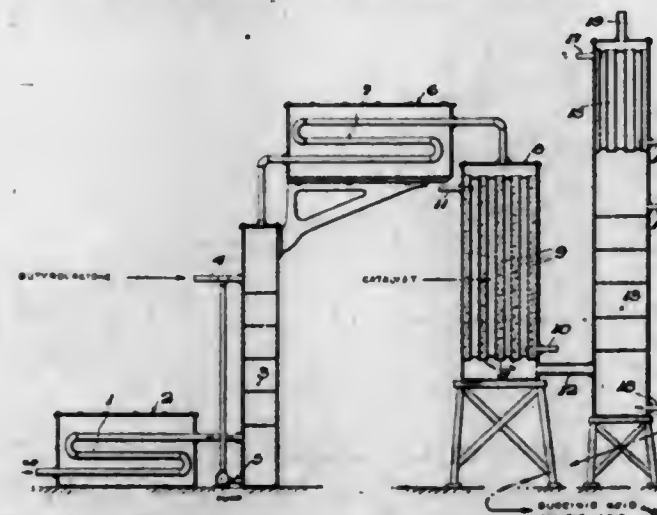


extent greater than the thickness of said pressure plate and a one-way clutch device between said other means and said second pressure plate.

2,385,518

PRODUCTION OF SUCCINIC AND MALEIC ACIDS FROM BUTYROLACTONE

Robert M. Isham, Okmulgee, Okla., assignor to Danciger Oil & Refineries, Inc., Fort Worth, Tex., a corporation of Texas

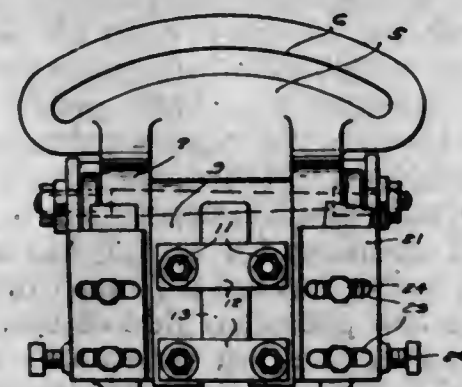
Application June 12, 1941, Serial No. 397,810
12 Claims. (Cl. 260-341)

1. That method of producing succinic acid which comprises oxidizing butyrolactone, in vapor phase and at a temperature of between about 220° C. and 250° C., and in contact with a catalytic material chosen from the group consisting of vanadium pentoxide and copper oxide which promotes the oxidation.

2,385,519

TOOLHOLDER FOR METAL PLANERS

Lemuel Pierce Jarrell, Huntington Park, Calif.

Application February 15, 1945, Serial No. 577,995
2 Claims. (Cl. 90-52)

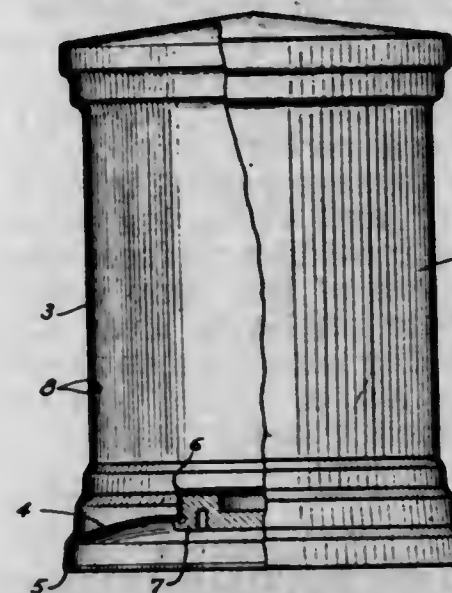
1. A tool holder of the class described comprising a clapper box, a plurality of tool posts, and

a hinge pin providing a pivotal mounting for said posts and embodying tapering sleeves slidably mounted on the pin and frictionally received in openings in the posts to secure the posts against pivotal movement.

2,385,520

BURIAL URN

August Klinzing, Milwaukee, Wis.

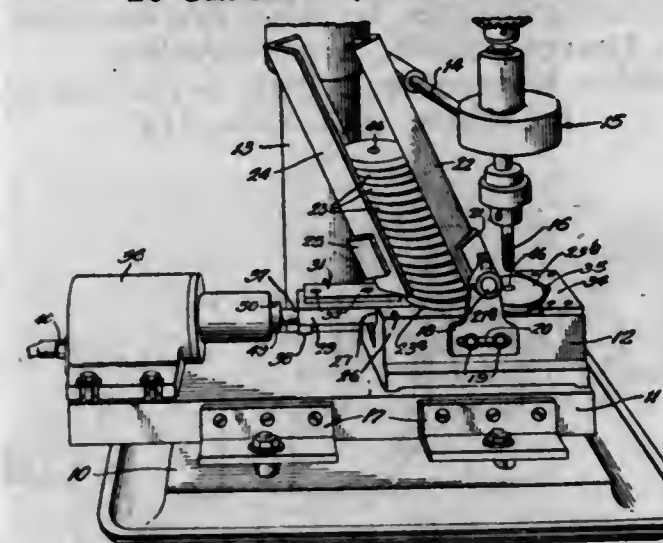
Application October 18, 1943, Serial No. 506,703
3 Claims. (Cl. 27-1)

1. A burial urn comprising, a sheet-metal inverted cup-shaped seamless and imperforate body having an intumed integral lower brim and being of enlarged internal diameter adjoining said brim, a sheet-metal concave base snugly confined within said enlarged lower body portion by said intumed brim and having a central opening bounded by an integral tubular flange projecting into said body, all exposed external and internal surfaces of said body and base being heavily coated with corrosion-resistant material, and a closure plug coacting with said flange and with the lower exterior of said base to seal said opening.

2,385,521

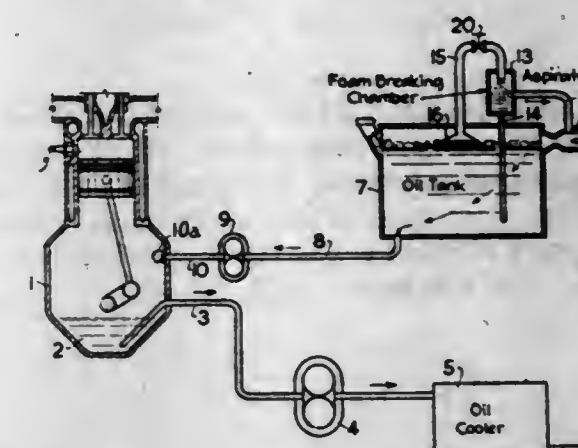
WORK FEEDING DEVICE

Theodore E. Mead, Wilmette, Ill.

Application March 25, 1943, Serial No. 480,502
10 Claims. (Cl. 10-139)

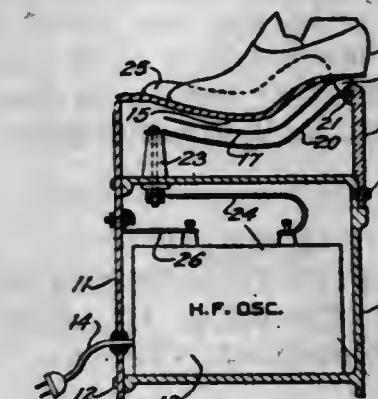
1. A work feeding device comprising means for supporting a plurality of pieces of work in vertically-stacked relation, reciprocating mechanism for successively advancing said pieces of work to work-holding position, means for engaging pieces of work to secure the same in said position, said means including said mechanism and a jaw on the opposite side of the work from said mechanism, and means actuated by said mechanism for removing each piece of work from said position as the next piece of work is advanced thereto.

2,385,522

LUBRICATING SYSTEMWilliam M. Malott, Lafayette, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 16, 1942, Serial No. 443,287
3 Claims. (Cl. 184-6)

1. In an engine lubricating system provided with an oil tank wherein foam accumulates and means to circulate oil to said tank through said system and back to said tank, including conduit means, means for breaking said foam comprising a shock depressuring chamber, an aspirator for maintaining the pressure in said shock depressuring chamber at least 1/4 p. s. i. below that in said tank, said aspirator including part of said conduit means.

2,385,523

METHOD OF ATTACHING SOLES TO SHOESHarold E. Marasco, Swampscott, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware
Application March 14, 1944, Serial No. 526,370
2 Claims. (Cl. 12-142)

1. That method of attaching outsoles to shoes, which comprises providing a shoe having its sole engaging face coated with a thermoplastic cement, providing an outsole having its shoe engaging face coated with a thermoplastic cement, securing the heel end of said outsole to the heel seat of said shoe, heating the cement on said outsole until it becomes tacky by subjecting it to the influence of an electrostatic field while maintaining the cement on said shoe substantially at room temperature, and thereafter pressing said outsole to said shoe until the heated cement on the outsole merges with the cool cement on the shoe.

2,385,524

CONVERSION OF HYDROCARBONS

William J. Mattox, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application September 30, 1944, Serial No. 556,653
8 Claims. (Cl. 260-672)

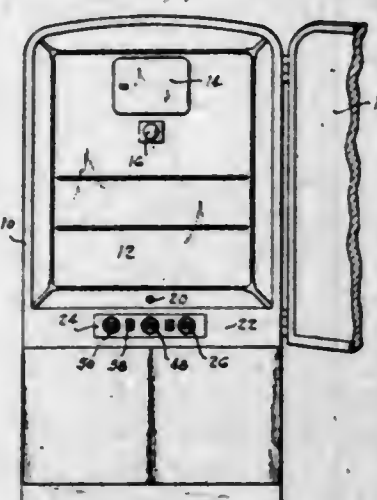
1. A process for the transfer of alkyl substituent groups from a polyalkylated aromatic hydro-

carbon to a non-alkylated aromatic hydrocarbon, which comprises subjecting a proportioned mixture of said polyalkylated and said non-alkylated aromatic hydrocarbons to contact with an alumina-containing catalyst and a hydrogen halide under alkyl transfer conditions of temperature, pressure and time.

2,385,525

REFRIGERATION APPARATUS

Graham S. McCloy, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 13, 1943, Serial No. 475,726
6 Claims. (Cl. 62-4)

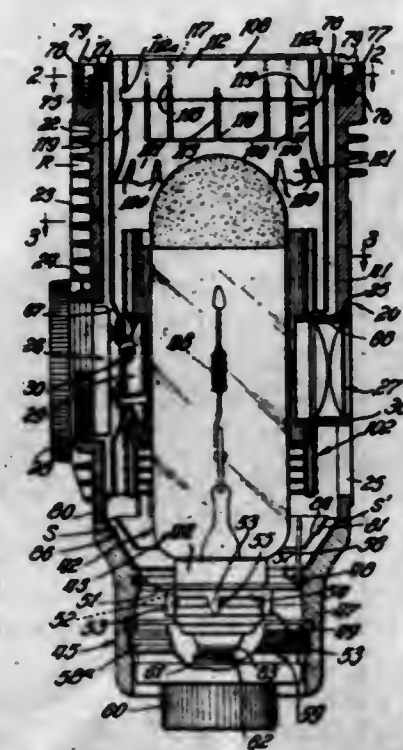


1. The combination with a refrigerator having a food compartment, a lamp therein for illuminating said compartment, means for normally energizing said lamp when the door of said refrigerator is opened, a heat-exchange unit for said food compartment, refrigerating means for maintaining said unit at below freezing temperature, and means for periodically rendering said refrigerating apparatus inactive to allow defrosting of said unit, of means for preventing the energizing of said lamp when said door is opened while said refrigerating means is inactive, to indicate that said unit is being defrosted.

2,385,526

HEAT SHIELD FOR INCANDESCENT LAMPS

Louis A. McNabb, Glenview, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application October 29, 1942, Serial No. 463,845
2 Claims. (Cl. 240-47)



1. A generally tubular heat absorbing and dissipating shield for spacedly enclosing an incandescent

descent electric lamp in generally coaxial relation therewith and having a portion including the lamp filament opposing region thereof of plaited form providing internal and external longitudinally extending fluted surface formations of which the internal surface formation provides a plurality of different surfaces extending longitudinally of the lamp and respectively disposed at acute angles to heat rays impinging thereon from the lamp filament to reflect the unabsorbed portion of these heat rays in paths not traversing the lamp and on to others of said surfaces and of which the external surface formation provides an extended heat radiating surface formation, and having a second portion adjoining the lamp base adjacent end of said first mentioned portion and comprising a plurality of air passage providing slats spaced longitudinally of and extending angularly about the lamp and providing surfaces facing generally in the direction of the lamp filament and disposed at acute angles to heat rays impinging thereon from the lamp filament to reflect the unabsorbed portion of these heat rays in paths radially outward from the lamp.

2,385,527

METHOD OF DECOLORIZING SULPHUR

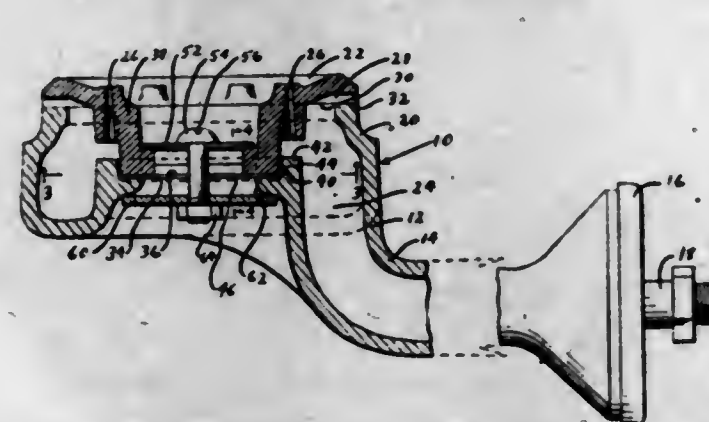
Arthur B. Menefee, Cumberland, Md., and Herbert H. Greger, Washington, D. C.
No Drawing. Application March 21, 1941, Serial No. 384,508
19 Claims. (Cl. 23-293)

1. The method of decolorizing sulphur discolored with organic matter which comprises contacting the discolored sulphur, in molten condition, with an added finely divided solid material adding concentrated sulphuric acid of between about 93% and 98%, agitating for a period of time sufficient to agglomerate the material into larger nodular unit masses and to remove discolorizing agents from the molten sulphur and then separating the molten sulphur from the acid wetted material.

2,385,528

GAS BURNER

Herbert E. Mills, Cleveland, Tenn., assignor, by means assignments, to Mills Engineering Company, Detroit, Mich., a partnership
Application November 1, 1941, Serial No. 417,535
2 Claims. (Cl. 158-116)



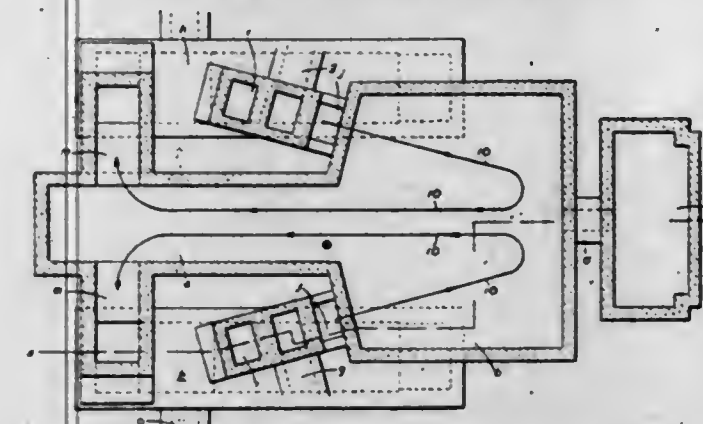
1. In a gas burner a body member forming a part of a gas supply passage and having a pair of seats, one on each side of said passage, a head member having seats adapted to cooperate with said seats of said body member for completing said passage, said head member being formed with gas emitting ports communicating with said passage, means providing a well for sealing material adjacent one of said seats and formed by portions of said members, the seats of

said body member being spaced vertically a distance at least slightly greater than the seats of said head member, clamping means for securing said members together, said clamping means including spaced bars, the ends of which bear against said members, a threaded member reacting against the center of said bar on said head member and threaded means reacting against the bar associated with said body member and co-acting with said threaded member to hold said body and head members in operative relationship.

2,385,529

GLASS MELTING FURNACE

William Alfred Moorshead, London W. C. 2, England, assignor to The United Glass Bottle Manufacturers Limited, a British company
Application October 9, 1942, Serial No. 461,437
In Great Britain November 26, 1941
2 Claims. (Cl. 49-54)

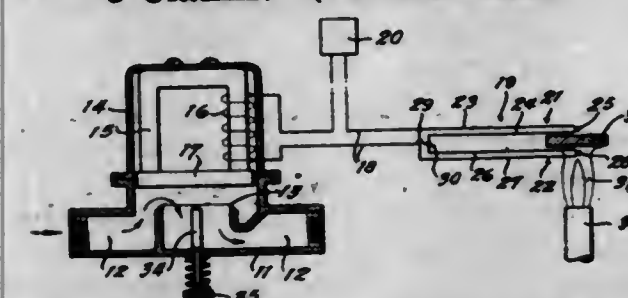


1. A glass melting furnace comprising, a melting chamber having a long narrow primary heating section merging into and axially aligned with an approximately square refining section where it merges into the primary heating section is provided with end walls inclined to the aligned longitudinal axes of the primary heating and refining sections, said inclined end walls being formed with ports for introducing heating gases into, and directing the same towards the central portion of, the refining section, a working end, a bridge wall with a throat therein between said refining section and said working end, and means for withdrawing spent heating gases from said primary heating section, said gas introducing ports and withdrawing means being so located that the gases traverse the refining section and then the primary heating section.

2,385,530

THERMOELECTRIC DEVICE

Eugene Paille, Los Angeles, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California
Application April 18, 1942, Serial No. 439,494
5 Claims. (Cl. 175-335)



1. In combination: an electromagnetically operated device comprising a core, a coil for said core, an armature adapted to be magnetically held in attracted position by said core only when it is first mechanically brought into engagement therewith and while the core is energized by current flow through said coil, said armature being biased to unattracted position, means for mechanically moving the armature into engagement with the core, and control means connected to said armature; a thermoelectric generating device for energizing said coil and connected thereto; and a source of heat for said thermoelectric generating device; said thermoelectric generating device being adapted to supply to said coil a predetermined amount of current upon initial heating by said source and a smaller amount after prolonged heating, and comprising a pair of thermocouples each having effectively a "hot" junction and a "cold" junction; said thermocouples being so electrically interconnected that the generation of the individual couples of the thermoelectric generating device, due to the heating of their hot junctions, is in opposition; one of said hot junctions being subjected directly to said source of heat; the other of the hot junctions being so arranged that it is only indirectly heated by said source, so that upon continued heating its temperature approaches but does not reach the temperature of said one of the hot junctions; the cold junctions of the generating device being so arranged that they are substantially unaffected by the heat of said source.

578 O. G.-36

2,385,531

PACKAGE

Harold Judson Osterhof, Cuyahoga Falls, and La Verne E. Cheyney, Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application October 4, 1941, Serial No. 413,655
2 Claims. (Cl. 206-84)

2. An oil package which consists of lubricating oil packaged in a bag of rubber hydrochloride film plasticized with about 30 per cent of dimethoxyethyl phthalate to increase its impact strength, the lubricating oil being in direct contact with the film.

2,385,532

OIL CONTAINER

La Verne E. Cheyney, Akron, and Harold Judson Osterhof, Cuyahoga Falls, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Original application October 4, 1941, Serial No. 413,655. Divided and this application July 1, 1943, Serial No. 493,109
2 Claims. (Cl. 206-46)

1. Rubber hydrochloride film of high impact strength plasticized with about 30 per cent diethoxyethoxyethyl succinate.
2. A bag containing lubricating oil, the walls of which are composed of a film of rubber hydrochloride of high impact strength which is plasticized with about 30 per cent diethoxyethoxyethyl succinate.

2,385,533

PACKAGE

La Verne E. Cheyney, Akron, and Harold Judson Osterhof, Cuyahoga Falls, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Original application October 4, 1941, Serial No. 413,655. Divided and this application July 1, 1943, Serial No. 493,110
1 Claim. (Cl. 206-84)

A bag containing lubricating oil, the walls of which are composed of a film of rubber hydrochloride plasticized with about 30% of a sebacate of the class consisting of di-2-chloroethyl sebacate and dicyclohexyl sebacate.

2,385,534

PLASTICIZED RUBBER HYDROCHLORIDE FILM

La Verne E. Cheyney, Akron, and Harold Judson Osterhof, Cuyahoga Falls, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Original application October 4, 1941, Serial No. 413,655. Divided and this application July 1, 1943, Serial No. 493,111

2 Claims. (Cl. 206—84)

1. A bag containing lubricating oil, the walls of which consist essentially of a film of rubber hydrochloride of high impact strength, due to plasticization with about 30 per cent of an adipate of the class of dimethoxyethyl adipate and diethoxyethoxyethyl adipate.

2,385,535
PACKAGE

La Verne E. Cheyney, Akron, and Harold Judson Osterhof, Cuyahoga Falls, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Original application October 4, 1941, Serial No. 413,655. Divided and this application July 1, 1943, Serial No. 493,112

1 Claim. (Cl. 206—84)

A bag containing lubricating oil, the walls of which are composed of rubber hydrochloride film plasticized with about 30 per cent of di-2-chloroethyl hexahydrophthalate to increase their strength.

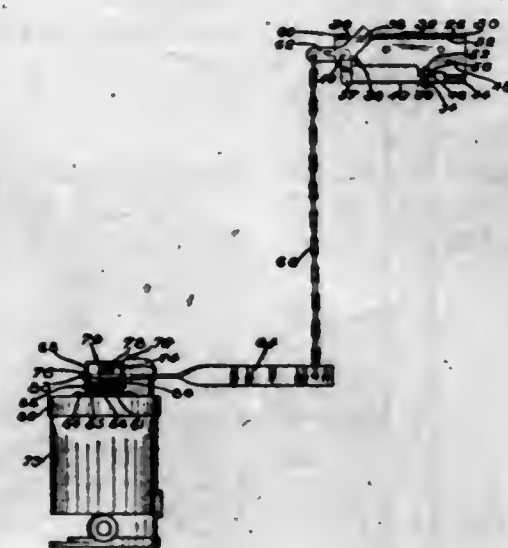
2,385,536

CONTROL FOR FLOOR FURNACES

Vernon R. Pawelsky, Milwaukee, Wis., assignor to Automatic Products Company, Milwaukee, Wis., a corporation of Wisconsin

Application July 19, 1941, Serial No. 403,128

10 Claims. (Cl. 74—2)



1. A heat responsive device comprising a side wall, a bottom portion, a second bottom portion disposed in another horizontal plane from the first mentioned bottom portion, a top portion, having means associated therewith for fastening said heat responsive means into place, a rotatable lever arm pivotally fixed to said side wall, a stop for said lever arm and a bimetallic strip welded to said first mentioned bottom portion and adapted to coact with the rotatable lever arm; a control adapted to cooperate with said heat responsive device; means for connecting said heat responsive device to said control.

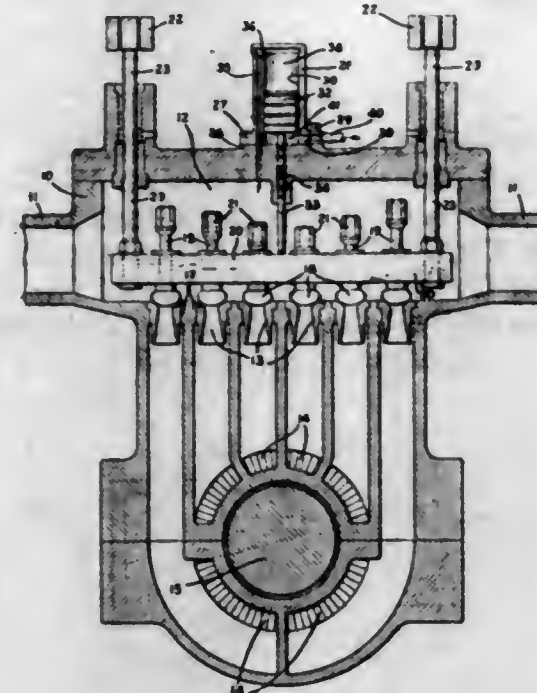
2,385,537

VALVE OPERATING MECHANISM

George W. Penhney, East Lansdowne, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 17, 1942, Serial No. 469,354

2 Claims. (Cl. 277—20)



1. For use with an elastic fluid turbine: a valve chest; a plurality of valves housed within the chest for controlling the flow of fluid therefrom to the turbine, each of said valves including an element movable up to open and down to close the valve; a horizontal bar within the chamber and connected to said movable valve elements; a plurality of vertical rods extending through a wall of the chest with their lower ends secured to the bar and presenting an area subject to the differences in pressure within and without the chest to exert an unbalancing force on the bar tending to move the valves to open position; and means acting on said bar to counteract said force, said last-mentioned means comprising a vertical cylinder closed at its upper end and having its lower end attached to the chest so as to be closed thereby, a piston slidable in the cylinder, means for supplying fluid from the chest to the cylinder space above the piston so that a downwardly-acting force is exerted thereon, and a rod slidable in an opening provided in the portion of the chest wall closing the lower end of the cylinder for transmitting force of the piston to the bar.

2,385,538

POTATO EXTRUDER

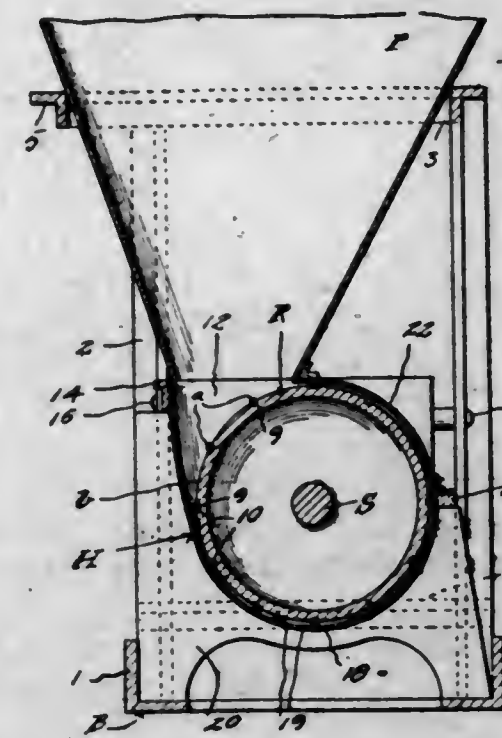
Ralph Petzold, Mitchell, Nebr.

Application April 3, 1944, Serial No. 529,286

2 Claims. (Cl. 146—174)

1. A potato extruder comprising a suitably supported housing, the lower portion of which is substantially semicircular in cross section and the upper portion of a side of said housing being cut away, the lower half of the wall of the housing being foraminous to form a screen element, a roller mounted within the housing, closely approaching and concentric with the lower half portion of the housing, ribs carried by and extending longitudinally of the outer side of the roller and spaced circumferentially therearound, the outer faces of the ribs being flat, a hinged plate coacting with the side portion of the roller immediately adjacent to the cut away portion of the housing, said plate being arcuate in cross sec-

tion and concentric with the lower half of the housing, said plate moving toward or from the roller with its concave face opposed to the roller, the outer margin of the plate, when said plate overlies the roller, being spaced from the opposite



side of the housing to provide an entrance to the housing for the potatoes to be worked, and a hopper supported to discharge through the entrance opening, said hopper providing means for holding the plate in closed position over the roller.

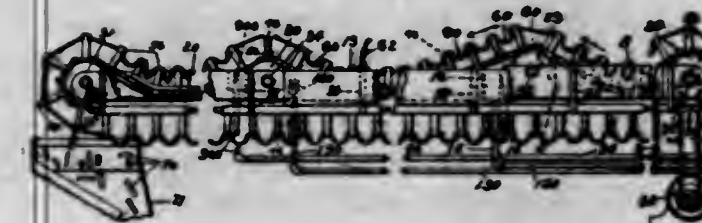
2,385,539

AUTOMATIC ICE FREEZING UNIT AND METHOD

George L. Pownall, Columbus, Ohio

Application October 20, 1941, Serial No. 415,740

23 Claims. (Cl. 62—105)



1. In an automatic ice making unit, the combination of a brine tank for containing a circulating body of freezing brine, a thawing water tank adjacent said brine tank, an endless chain of linkage connected cross members arranged for travel through said tanks, a series of open topped molds on each cross member, said molds adapted to contain water at a predetermined level below the tops thereof, said cross members each having a pressure fluid passage therein communicating with the bottom interior of each of the molds thereon and arranged in heat insulated relation to the outside of the cross member, means for supplying fluid under pressure to the passages whereby water to be frozen in the molds may be agitated, means comprising sprockets for moving the chain into and out of said tanks, and guide means for constraining the travel of the chain to a predetermined level in the brine tank such that the water level in the molds is below the level of the brine in the brine tank.

2,385,540

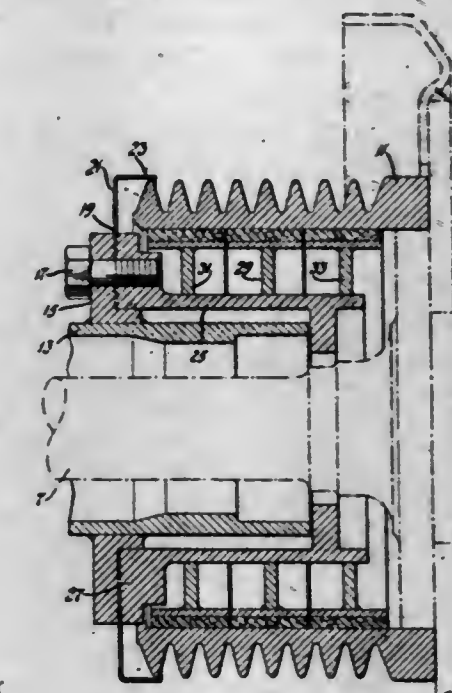
BRAKE

Olaf Rasmussen, Sidney, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 10, 1944, Serial No. 562,794

7 Claims. (Cl. 188—78)

1. In a brake, a drum, shoes arranged side-by-side in parallel planes and operable to engage the drum, means to spread an intermediate one of said shoes into drum contact, means whereby the movement of said intermediate shoe by contact with the drum expands other shoes one on



each side of said intermediate shoe, means to anchor one end of each of said side shoes, both side shoes being expanded substantially simultaneously whereby all three shoes are anchored and take part in retarding drum rotation.

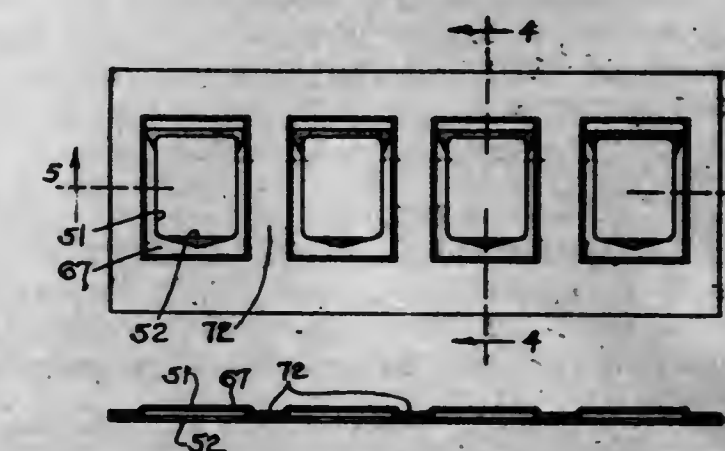
2,385,541

FILM MOUNT AND THE LIKE

Irwin C. Rinn, Chicago, Ill.

Application December 27, 1946, Serial No. 371,965

4 Claims. (Cl. 40—153)

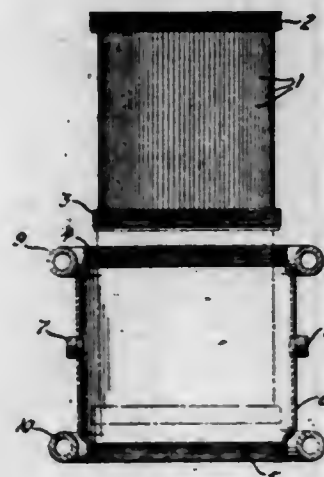


1. As a new article of manufacture, a mount for the purpose specified, comprising at least two panels, one being a front panel and the other being a back panel, said panels having registering window openings, and the front panel being embossed around the window opening thereof to thereby set out the material of said panel for a marginal portion of said panel around said window opening to thereby establish a marginal groove between the panels and around the window opening, said groove being adapted to receive the edge portion of a film inserted between the panels and in registry with the window opening, the opening of one panel being

provided with extensions on two opposite edges suitably located to pass the edge portions of a film being inserted into or removed from the marginal groove aforesaid, together with means to cement or adhere the two panels together face to face in all portions of said panels which come together face to face and around the entire periphery of the window, said means comprising paraffin like material on the contacting surfaces of the panels and adhering said surfaces together by application of heat and pressure, substantially as and for the purpose set forth.

2,385,542

METHOD OF ASSEMBLING RADIATORS
Edward V. Rippingille, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 24, 1944, Serial No. 523,764
3 Claims. (Cl. 29—157.3)



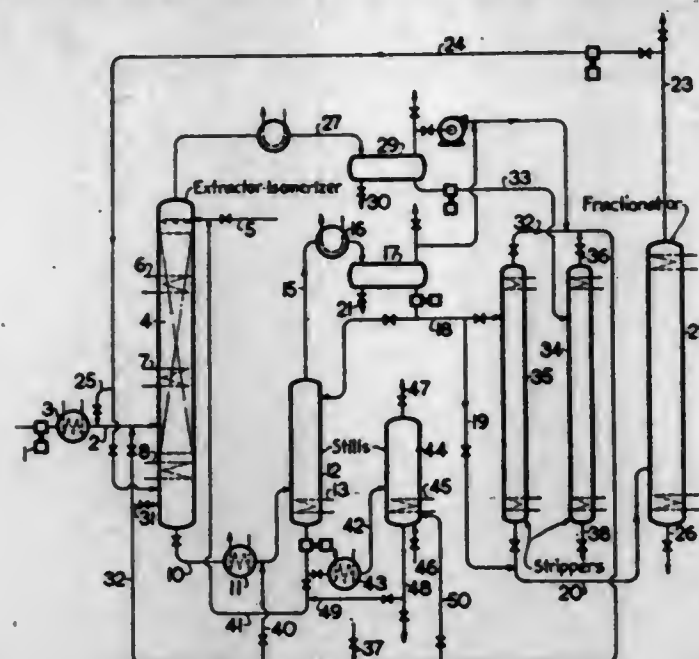
1. The method of manufacturing radiators or the like, including forming a tubular shell with a central bulge and reduced end portions, forming a tube bundle core with molded hard plastic headers at opposite ends and of slightly greater diameter than the shell end portions to which the headers are to be fitted, inductively heating said reduced end portions to temporarily enlarge the same sufficiently to receive the larger diameter headers and axially moving the tube bundle and header assembly into the shell while said end portions are temporarily enlarged for subsequent contraction of both end portions into shrink fit with both headers.

2,385,543

CYCLOPARAFFIN PRODUCTION
William E. Ross, Berkeley, and Philip Perzaglia, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 31, 1944, Serial No. 538,192
17 Claims. (Cl. 260—666)

1. The process for the production of cyclohexane from a hydrocarbon mixture comprising open chain hexanes and methylcyclopentane which comprises, subjecting said hydrocarbon mixture and a hydrocarbon-aluminum chloride complex to continuous countercurrent contact in the presence of added hydrogen chloride in a contacting zone at a temperature of from about 70° C. to about 100° C. to effect the conversion of methylcyclopentane to cyclohexane while forming a raffinate phase comprising open chain hexanes and an extract phase comprising said complex, cyclohexane and unconverted methylcyclopentane, removing the raffinate phase from one

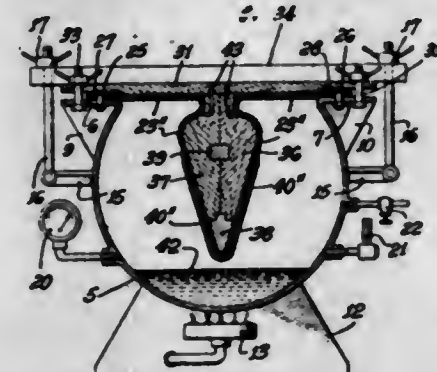
end of said contacting zone, separately removing said extract phase from the opposite end of said



contacting zone, and separating cycloparaffins comprising cyclohexane from said extract phase.

2,385,544

MOLDING DEVICE
Leonard Byron Salisbury, La Crescenta, Calif.
Application May 19, 1943, Serial No. 487,567
7 Claims. (Cl. 144—281)



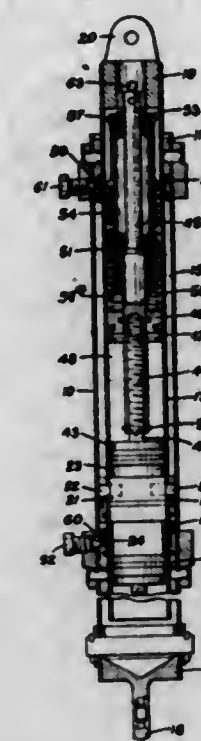
1. In combination, a tank having an opening therein, a resilient flexible member positioned across the opening in said tank, and attached to the edges of said opening in said tank, a cover adapted to be positioned over said opening, a mold attached to said cover, said mold being adapted to be inserted in said tank for partially shaping material to be molded between said flexible member and said mold, and means for applying pressure between said tank and said flexible member for shaping said material in its final form around said mold, the greatest pressure being exerted upon the material positioned at the deepest point in said tank.

2,385,545

HYDRAULIC VIBRATION DAMPER
John Keith Simpson, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, Warwick, England
Application January 27, 1943, Serial No. 473,766
In Great Britain February 16, 1942
13 Claims. (Cl. 188—96)

1. A hydraulic vibration damper comprising a cylinder with a tubular piston rod extending therethrough, an annular piston head on said piston rod dividing the cylinder into two chambers, a valve block in the tubular piston rod forming one end of a reservoir chamber in said piston rod, means for exerting pressure on the liquid in said reservoir chamber, a passage in the valve block connecting each of the two cylinder chambers to the reservoir chamber, restricting means in the said passages, and additional pas-

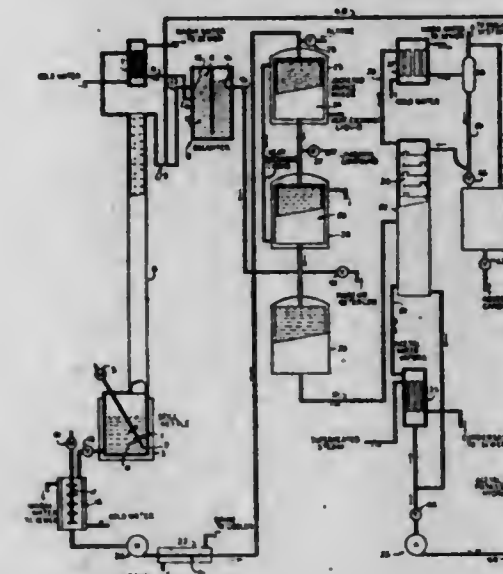
sages by-passing the restrictions, the said additional passages being provided with non-return



valves permitting substantially free flow of liquid into said cylinder chambers.

2,385,546

CONTINUOUS PROCESS FOR THE PREPARATION OF ACETYLENIC ALCOHOLS
Everet F. Smith, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
Application November 5, 1943, Serial No. 509,062
7 Claims. (Cl. 260—638)



1. In a continuous process for the preparation of acetylenic alcohols, the steps which comprise continuously dehydrating in a still an aqueous solution of potassium hydroxide by azeotropic distillation with an ether compound which forms an azeotrope with water, which has a boiling point higher than that of the acetylenic alcohol subsequently to be formed in the process, and which is selected from the group consisting of alkyl acetals and polyethers, continuously agitating the resulting two-phase mixture of ether compound and the melted potassium hydroxide so as to form a suspension of the potassium hydroxide in the ether compound, continuously withdrawing a stream of said suspension from said still, cooling with agitation to form a suspension of finely-divided solid particles of potassium hydroxide in said ether, mixing with said stream a 1-alkyne having a terminal hydrogen atom in the 1-position, adding to the resulting mixture a carbonyl compound selected from the group consisting of aliphatic aldehydes having from four to eight

carbon atoms and aliphatic ketones having not in excess of eight carbon atoms to produce the potassium derivative of the corresponding acetylenic alcohol, continuously hydrolyzing said potassium derivative with water to produce a mixture of acetylenic alcohol, ether compound, water, and potassium hydroxide, continuously removing the said alcohol therefrom in a second still under reduced pressure, continuously recycling the residual mixture of water, ether compound, and potassium hydroxide back to the first still, and distilling to remove the water therefrom in the form of its azeotrope with said ether compound while returning the volatilized ether compound to the first still, thereby continuously forming said potassium hydroxide suspension.

2,385,547

PROCESS FOR PREPARATION OF ACETYLENIC ALCOHOLS
Everet F. Smith, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application November 29, 1943, Serial No. 512,261
9 Claims. (Cl. 260—638)

1. In the synthesis of acetylenic alcohols, the process which comprises heating a mixture consisting essentially of potassium hydroxide, a small proportion of a monohydric alcohol containing from 3 to 11 carbon atoms, and an organic liquid which forms an azeotrope with water, which is inert to the reactants and reaction products, and which has a boiling point of at least about 100° C., to the point at which the potassium hydroxide is at least partially melted, cooling the mixture while agitating it to produce a suspension of finely divided solid particles of potassium hydroxide, cooling the suspension, absorbing therein a 1-alkyne having a hydrogen atom in the one-position, introducing a carbonyl compound selected from the group consisting of aliphatic aldehydes containing from 4 to 8 carbon atoms and aliphatic ketones to produce the potassium derivative of the corresponding acetylenic alcohol, hydrolyzing the said potassium derivative with water to produce the corresponding acetylenic alcohol, and separating the latter.

2,385,548

PROCESS FOR PREPARATION OF ACETYLENIC ALCOHOLS
Everet F. Smith, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application November 29, 1943, Serial No. 512,262
16 Claims. (Cl. 260—638)

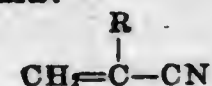
1. In a process for the synthesis of acetylenic alcohols, the improvements which comprise heating a mixture consisting essentially of potassium hydroxide, an ether compound selected from the group consisting of alkyl acetals and polyethers, and a small proportion of a primary monohydric aliphatic alcohol containing from 4 to 8 carbon atoms, to the point at which the potassium hydroxide is at least partially melted, cooling the heated mixture while agitating the same, absorbing a 1-alkyne having a hydrogen atom in the one-position in the cooled mixture, thereafter adding to the said mixture a carbonyl compound selected from the group consisting of an aliphatic aldehyde containing from 4 to 8 carbon atoms and aliphatic ketones, hydrolyzing the resulting product to the corresponding acetylenic alcohol, and separating the latter.

2,385,549

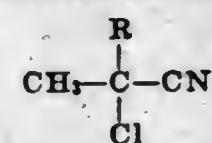
PRODUCTION OF ACRYLONITRILE

Le Roy U. Spence, Elkins Park, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application October 15, 1940,
Serial No. 361,264
8 Claims. (Cl. 260-464)

1. The process of preparing an unsaturated nitrile of the formula:



from saturated α -chloronitriles of the formula:



wherein R represents a member of the class consisting of hydrogen and alkyl radicals, which comprises passing vapors of a saturated α -chloronitrile of the above formula through a pyrolyzing zone at a temperature of about 450° C. to about 700° C., condensing the normally liquid products in the vapors therefrom, treating the condensed liquid products with an aqueous alkaline material from the group consisting of the hydroxides, carbonates, and bicarbonates of sodium, potassium, calcium, and barium at a temperature up to and including the boiling point of the mixture to dehydrohalogenate at least part of the condensate, and isolating the resulting unsaturated nitrile.

2,385,550

PRODUCTION OF UNSATURATED NITRILES

Le Roy U. Spence, Elkins Park, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application January 27, 1942,
Serial No. 428,377

4 Claims. (Cl. 260-464)

1. A process for the production of unsaturated nitriles which comprises heating at temperatures of about 150° C. to about 250° C., in the presence of a catalytic amount of an aliphatic amine hydrohalide, saturated, halogenated aliphatic nitriles from the group consisting of α -haloisobutyronitrile, α,β -dihaloisobutyronitrile, α,β -dihaloisobutyronitrile, and α,α,β -trihaloisobutyronitrile.

2,385,551

PROCESS FOR THE PREPARATION OF ACRYLONITRILE

Le Roy U. Spence, Elkins Park, Darrel J. Butterbaugh, Philadelphia, and Edwin H. Krocker, Cheltenham, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application August 16, 1940,
Serial No. 352,930

11 Claims. (Cl. 260-464)

1. The process of making acrylonitrile which comprises reacting acetylene and hydrogen cyanide in vapor phase in the presence of a catalytic agent containing a metal from the group consisting of cadmium, magnesium, and zinc.

2,385,552

DEHYDROGENATION OF ALIPHATIC NITRILES

Le Roy U. Spence, Elkins Park, and Fritz O. Haas, Villanova, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application December 5, 1941,
Serial No. 421,744

8 Claims. (Cl. 260-464)

1. A process for the production of an aliphatic nitrile having an α - β olefinic linkage which com-

prises passing the corresponding saturated nitrile, at a space velocity of about 100 to about 1000, through a reaction zone which is maintained at a temperature of about 550° C. to about 650° C. and which contains a catalyst comprising the dark vitreous oxide of a metal from the group consisting of chromium and vanadium.

2,385,553

SOLUBLE BENZYL ETHER OF DEXTRAN

Grant L. Stahly, Columbus, Ohio, and Warner W. Carlson, Pittsburgh, Pa., assignors to Chemical Developments Corporation, Dayton, Ohio, a corporation of Ohio

No Drawing. Original application February 26, 1938, Serial No. 192,887, and October 21, 1941, Serial No. 415,936. Divided and this application July 19, 1943, Serial No. 495,362

2 Claims. (Cl. 260-209)

2. In a two-stage process of producing benzyl ether of dextran which is soluble in a solvent selected from the class consisting of acetone, cellosolve, dioxane, ethyl acetate, diacetone, mesityl oxide and chloroform; reacting at a temperature of substantially 75 to 180° C. a water solution of dextran with benzyl chloride in a mole ratio of 1:1 to 4:1 (benzyl chloride to dextran) in contact with sodium hydroxide in weight ratio of 3:1 to 3:4 (dextran to sodium hydroxide) for a period of from one-half to six hours; and thereafter adding benzyl chloride sufficient to give a total mole ratio of 3:1 to 7.5:1 (benzyl chloride to dextran) and sodium hydroxide sufficient to give a total weight ratio of 3:2.6 to 3:8 (dextran to sodium hydroxide) and heating for a further period of approximately two to six hours at a temperature of substantially 120 to 180° C., whereby there is produced a dextran ether reaction product soluble in solvents of the aforementioned class.

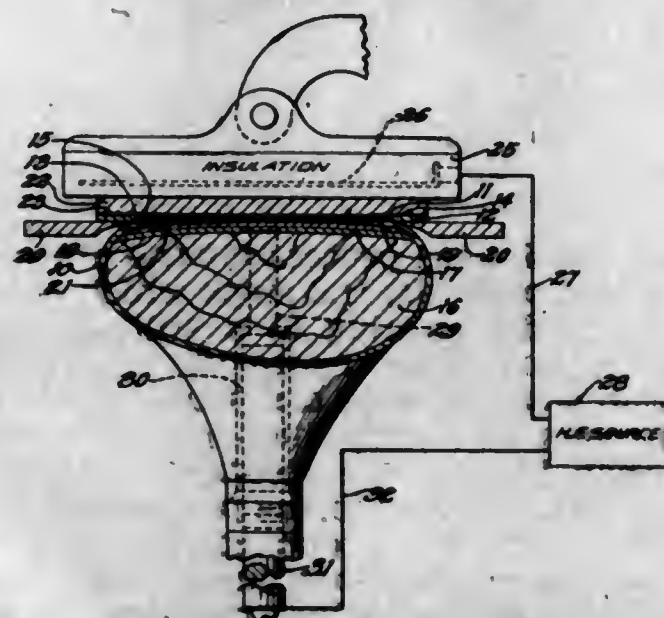
2,385,554

MANUFACTURE OF FOOTWEAR

Michael G. Stratton, Weston, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware

Application January 11, 1944, Serial No. 517,818

2 Claims. (Cl. 12-142)



1. The method of making pre-welt shoes which comprises applying a thermo-plastic adhesive to the welt engaging margin of a shoe upper and to the corresponding upper engaging margin of a welt and allowing the adhesive to harden or dry to a non-tacky state; temporarily securing said welt and upper together; applying a thermo-plastic adhesive to the upper engaging margin of an insole and to the corresponding insole engaging margin of the upper and allowing the adhe-

2,385,557

LIGHT VISOR

George Chester Ward, Ventura, Calif.
Application August 10, 1940, Serial No. 352,094
2 Claims. (Cl. 290-97)



1. A light visor for vehicles, comprising a flat casing having a pocket therein with an opening at one edge, and a panel removably positioned in the pocket and withdrawable from said opening, the casing having shoulders at the ends of the opening, the normally inner edge of the panel having trunnions, for engaging said shoulders when the panel is withdrawn, providing means for pivoting the panel with respect to the casing.

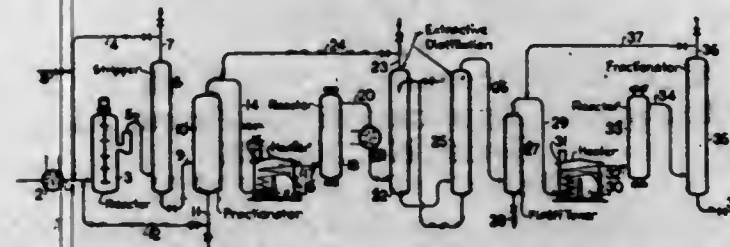
2,385,555

CYCLOHEXENE PRODUCTION

Hervey H. Voge, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application May 2, 1944, Serial No. 533,763

11 Claims. (Cl. 260-666)

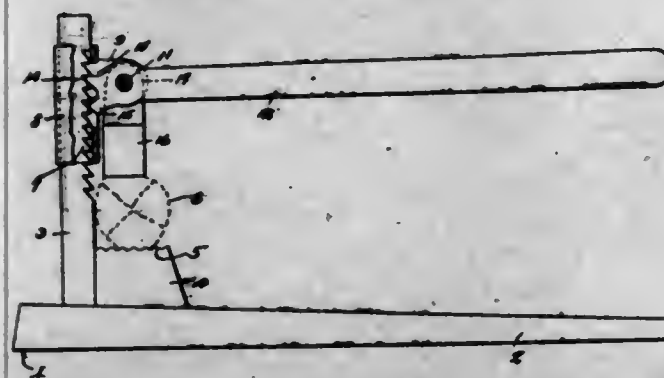


1. The process for the manufacture of cyclohexene from cyclohexane which comprises contacting cyclohexane with a catalyst comprising a metal halide of the Friedel-Crafts type under naphthene isomerizing conditions effecting the conversion of cyclohexane to methylcyclopentane, contacting the resulting methylcyclopentane with a dehydrogenating catalyst under dehydrogenating conditions effecting the conversion of methylcyclopentane to methylcyclopentenes, and contacting the resulting methylcyclopentenes with a solid olefin isomerizing catalyst under olefin isomerizing conditions effecting the conversion of methylcyclopentenes to cyclohexene.

2,385,556

NUTCRACKER

George F. Voigt, Jeffersonville, Ind.
Application May 2, 1944, Serial No. 533,722
1 Claim. (Cl. 146-16)



A nut cracker comprising a horizontal base, an anvil carried by the base, an upright standard secured to the base and having a rack, a rider mounted to slide along the standard, a lever having means for engaging the rack, a hammer disposed above the anvil, and a pivot element carried by the rider, the pivot element constituting a fulcrum for the lever and forming a suspension member wherein the hammer is hingedly movably, and a stop extending from the lever, said stop being spaced below the rack-engaging means of the lever and adapted to engage the rack, limiting downward movement of the lever.

2,385,558

SERVICE TRUCK

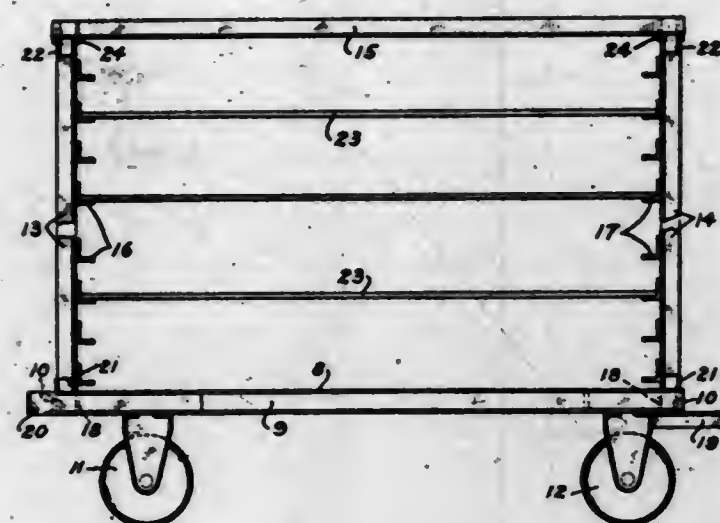
William Wenthe, Milwaukee, Wis., assignor to Wenche-Davidson Engineering Co., Milwaukee, Wis., a corporation of Wisconsin
Application June 28, 1944, Serial No. 542,233
2 Claims. (Cl. 211-177)

1. A service truck comprising, a portable rectangular platform having an upwardly enlarg-



and bonded to all of the non-fluid, insulating and conducting materials originally within the sheath and filling all voids therein.

ing tapered socket at each of its four corners, a rectangular frame located above said platform and having a downwardly enlarging tapered socket at each of its four corners disposed in vertical alignment with one of said platform sockets, each of said sockets consisting of a sheet-metal channel-shaped piece welded to the adjacent platform



or frame, and two pairs of corner posts, each pair being connected by horizontal bars, and each post being formed of structural bar metal and having oppositely tapered channel-shaped sheet-metal wedges welded to the extreme opposite ends thereof and adapted to frictionally engage a complementary pair of aligned sockets of said platform and frame.

2,385,560

METHOD OF TESTING A PIGMENT

John K. Wise, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application June 16, 1941, Serial No. 398,243

4 Claims. (Cl. 23—230)

1. Process of determining the suitability of a pigment for use in a coating composition containing a water-soluble urea-formaldehyde condensation product capable of becoming water-insoluble in an acid-reacting medium which process comprises suspending a quantity of said pigment in an aqueous solution of a substance capable of furnishing free formaldehyde thereto, adding about 5% by weight (as calculated on the dry weight of said pigment) of a salt of ammonium capable of liberating free strong mineral acid, said salt being selected from the group consisting of ammonium chloride, ammonium sulphate and ammonium nitrate, and measuring the hydrogen-ion concentration of the suspension; whereby if the hydrogen-ion concentration of the suspension falls within the range of about pH 4 and pH 5, the suitability of the pigment for the intended use is established.

2,385,561

MERCURY ARC DEVICE

Leonard M. Wittlinger, Flint, Mich., and William S. Brian, Owenboro, Ky., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 30, 1943, Serial No. 500,486

10 Claims. (Cl. 315—56)

1. In a device of the class described, a housing, a carbon electrode supported in the housing, a mercury pool partially filling the housing in contact with said electrode and forming a part of

the circuit therewith and baffle means to trap carbon particles eroded away from the carbon



electrode through use and stop them from reaching the upper surface of the mercury pool.

2,385,562
STENCIL

Alexander Baczewski, New York, N. Y.
No Drawing. Application November 14, 1940, Serial No. 365,696

1 Claim. (Cl. 101—128.2)

An intermediate product suitable for use in the production of a printing stencil adapted for use with dye pastes containing strongly corrosive chemicals, which comprises a fine textile fabric screen carrying rigidly attached thereto a film of material having as its major component, a vinyl-halide-vinyl-acetate copolymer, such film being mounted upon a removable backing sheet and such film having cut-out portions forming a pattern.

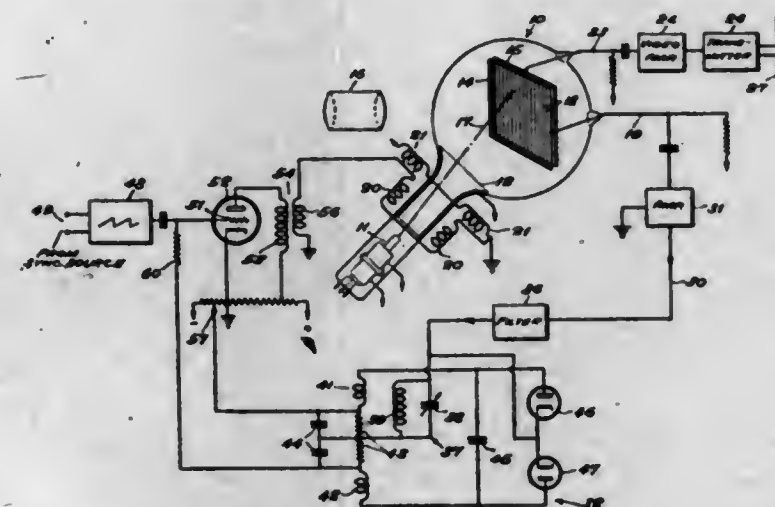
2,385,563

DEFLECTION CONTROL SYSTEM

George L. Beers, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 30, 1943, Serial No. 474,100

14 Claims. (Cl. 178—7.2)



1. In a system for obtaining a voltage available for control purposes, a generator of alternating voltages comprising an exploring point and a member having a field traversed by said exploring point, means associated with said field to cause generation of an alternating voltage when said point explores said field, and means for deriving a variable potential having positive and negative values related to changes in the velocity of said deflectable exploring point.

2,385,564

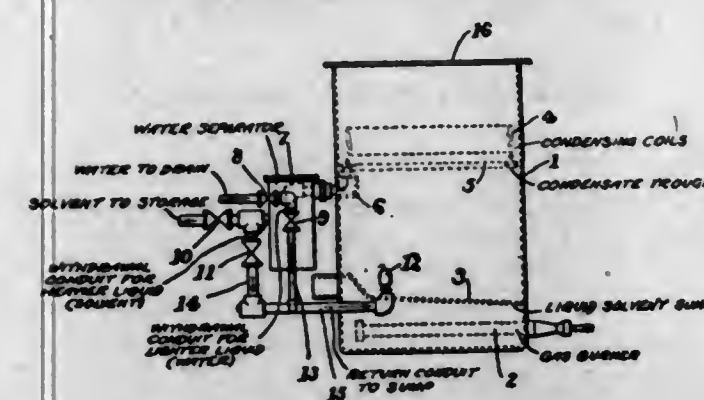
SOLVENT EXTRACTION

William Edward Booth, Runcorn, and Richard Cosway, Penketh, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

Application June 5, 1941, Serial No. 396,722

In Great Britain June 19, 1940

5 Claims. (Cl. 202—40)



1. In a process for recovering solvent in the solvent-containing residue from a solvent extraction process employing as solvent a volatile chlorinated hydrocarbon stabilized with a water-soluble organic compound containing a basic nitrogen atom, said residue containing a high proportion of constituents other than solvent, the steps of adding water to the said residues in an amount not exceeding a fifth part by weight of the solvent in the residues, submitting the water-containing residue to indirect heating to distill off water and some of the solvent, allowing the distillate to separate into an aqueous layer and a non-aqueous layer of solvent, returning the aqueous layer to the undistilled residues while continuing the heating to distill off further quantities of solvent, and separately withdrawing the solvent layer.

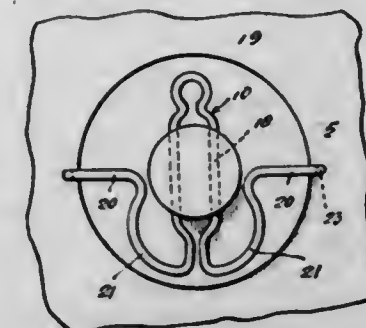
2,385,565

CLIP OR FASTENER

Arthur E. Cox, Camp Barkeley, Tex.

Application November 9, 1943, Serial No. 509,588

1 Claim. (Cl. 24—218)



As a new article of manufacture, a spring clip formed of a single length of wire bent to provide a flat body having straight parallel portions adapted for seating in grooves formed in opposite sides of an object, a resilient portion joining said parallel portions at one of their ends, inwardly offset portions formed at the opposite ends of said parallel portions, other resilient portions extending outwardly in opposite directions from the ends of said inwardly offset portions and curving backward to points in the plane of the transverse centers of said parallel portions, arms extending outwardly in opposite directions from the ends of said other resilient portions and in right angular relation with respect to said parallel portions, and extensions formed at the free ends of said arms, at right angles to the plane of said body, to seat in sockets formed in a second object.

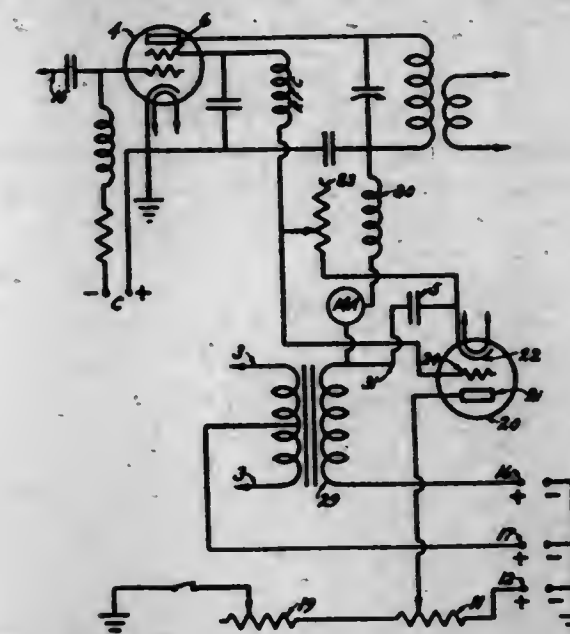
2,385,566

SCREEN-GRID MODULATION CONTROL

Olfan De Guire, Silverton, Oreg.

Substituted for abandoned application Serial No. 387,277, April 7, 1941. This application May 15, 1943, Serial No. 487,112

9 Claims. (Cl. 179—171.5)



1. In a modulation system, a screen grid radio frequency amplifier having an anode circuit and a screen grid circuit, an amplified source of carrier wave energy to be modulated coupled to said anode circuit for making said amplification with the aid of said amplifier, means for applying modulation voltages to vary the current flow in said anode circuit and in said screen grid circuit whereby the current flow in each of said circuits is reduced during a portion of the modulation cycle, means for reducing the rate of reduction in the screen grid current relative to the rate at which the anode current is reduced within the limits of said portion of the modulation cycle, said last means including an election discharge tube connected in said screen grid circuit for dissipating excessive screen grid modulation voltages during a large extent of said portion of the modulation cycle.

2,385,567

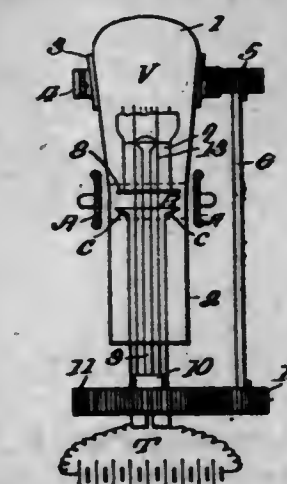
ELECTRICAL HEATING OF ARTICLES MADE OF GLASS OR OTHER VITREOUS MATERIAL

Maurice Descarsin, Paris, France; vested in the Allen Property Custodian

Application September 25, 1941, Serial No. 412,345

In France May 15, 1941

4 Claims. (Cl. 219—47)



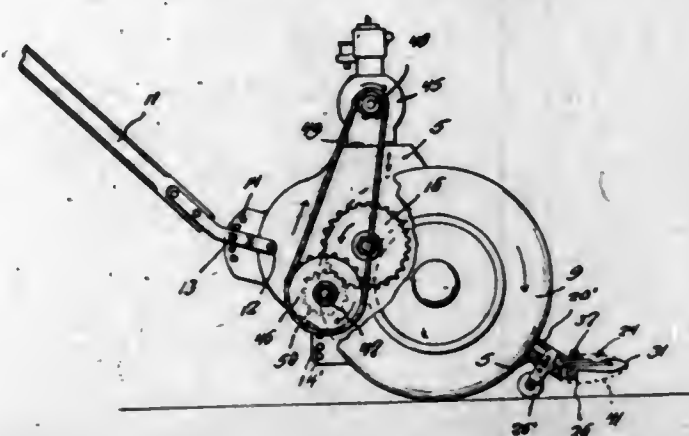
1. In a device for heating articles made of glass or other vitreous material in order to shape them in a hot state and for obtaining a local heating of the glass which is both rapid and economical and for accurately controlling the intensity of the heating in a given region of the glass, means for pre-heating the region by means of any source of heat, means for subjecting said

region to the action of an electric field of very high frequency and for focusing the lines of force of said field in said region, said last-named means comprising a condenser having focusing armatures and said armatures being provided with projections made of material having small dielectric losses.

2,385,568

LAWN MOWER

Samuel F. Drain, Pascagoula, Miss.
Application January 31, 1944, Serial No. 520,471
1 Claim. (Cl. 56-263)



Operating means for a reciprocating lawn mower cutter and comprising a housing, a portable support for the housing, a shaft journaled in the housing and having drive means operatively connected thereto, a cam unit splined to said shaft and including interconnected spaced-apart cams having opposed cam faces, and fly wheels on the outer faces of the cams, gearing connecting the cam units to said drive means, cushion springs for the cam unit supported by said shaft and bearing against the housing to cushion endwise thrust of the cam unit on the shaft, and cutter-actuating mechanism positioned between the cams for operation thereby.

2,385,569

PROCESS OF IMPROVING MILK, CREAM, CURD, AND CHEESE

Georg Friedel, Dresden, Germany; vested in the Alien Property Custodian
No Drawing. Application November 24, 1937, Serial No. 176,356. In Germany January 18, 1937
3 Claims. (Cl. 99-54)

1. The process of improving milk, cream, curd and cheese whose sensitivity of reaction with respect to acidification, curdling and ripening phenomena is deficient due to the lack of organic salt compounds of the milk constituents, consisting in incorporating with the milk, cream, curd, and cheese, organic salt compounds selected from the group of organic materials consisting of blood sera and concentrated purified sap obtained from the grasses and leaves freshly gathered before inflorescence.

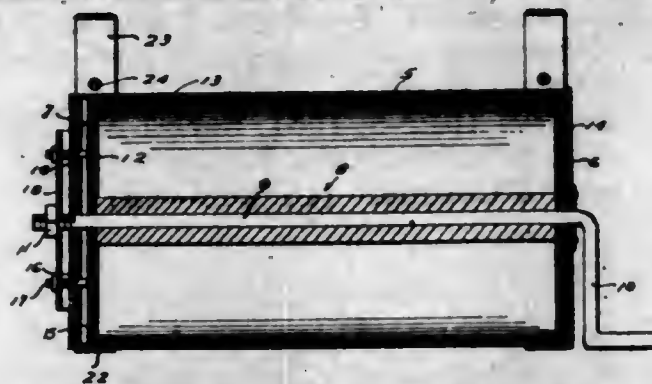
2,385,570

CLOTHESLINE REEL

Walter Leslie Gray, Arcadia, Wis., assignor of one-half to Frances E. Feltes, Arcadia, Wis.
Application May 13, 1944, Serial No. 535,486
2 Claims. (Cl. 242-101)

1. A reel of the class described comprising inner and outer cylindrical casings each having a longitudinal slot adapted for registry with each other, said casings having end walls closing the same, a drum rotatably mounted in the inner casing and including a shaft journaled in said end walls, one of the end walls of the outer casing having arcuate slots therein, bolts attached to

the adjacent end wall of the inner casing and extending through said arcuate slots, and a handle secured to the outer ends of said bolts and adapted



to rotate the inner casing relative to the outer casing for moving said first-named slots out of registry.

2,385,571

MAKING N-SULPHONYLUREAS

Erich Haack, Radebeul, near Dresden, Germany; vested in the Alien Property Custodian
No Drawing. Application December 7, 1940, Serial No. 369,118. In Germany December 15, 1939

2 Claims. (Cl. 260-397.7)

1. In the process of making p-aminobenzene sulphonylcarbamide, the step of boiling sulphanilamide with potassium cyanate and alcohol until the mass dissolves and the potassium salt of p-aminobenzene sulphonylcarbamide is obtained.

2,385,572

PROCESS OF HYDRATING TURPENTINE AND LIKE MATTERS AND PRODUCTS THEREOF
Torsten Hasselstrom, Savannah, Ga., and Burt L. Hampton, Jacksonville, Fla.; said Hampton assignor to G & A Laboratories, Inc., Savannah, Ga.

No Drawing. Application March 14, 1941, Serial No. 383,448

12 Claims. (Cl. 260-631.5)

1. The process of hydrating turpentine, which comprises subjecting turpentine containing not less than 4 percent of turpentine foots to reaction at substantially room temperature with a dilute mineral acid solution.

2,385,573

ENAMELWARE MAKING

Oscar Hommel, deceased, late of Pittsburgh, Pa., by Ernest M. Hommel, Eda H. Goldstein, and The Union Trust Company of Pittsburgh, executors, all of Pittsburgh, Pa., assignors to The O. Hommel Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application July 23, 1941, Serial No. 403,762

5 Claims. (Cl. 117-70)

1. The refinement herein described of the production of enamelware by spreading successively and drying successively two superposed layers of slip and firing the whole, which consists in including in the composition of the slip of the nether layer a content of 2-10% of silicate of soda, whereby blistering in the ultimate firing of the article is prevented.

2,385,574

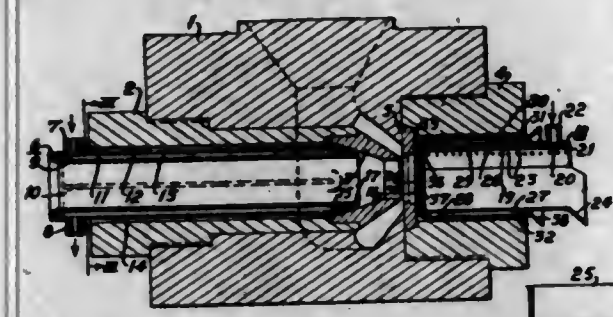
EXTRUSION DEVICE FOR THE MANUFACTURE OF CABLE SHEATHS

Walter Hyprath, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian
Application March 24, 1941, Serial No. 384,913
In Germany January 19, 1940

6 Claims. (Cl. 207-16)

1. Apparatus for applying metal sheathing to a cable conductor comprising an extrusion block

having an axially extending channel and a radially extending opening communicating therewith for supplying metal in heated plastic condition thereto, a die core disposed in said channel adjacent said opening for receiving said conductor which is fed into said block from one side thereof for the application of said sheathing within said opening, a tubular holder mounted in the channel of said block, said die core being secured on the end of said holder adjacent said opening, and having a converging bore, and a protective cylinder having an axially extending opening therethrough

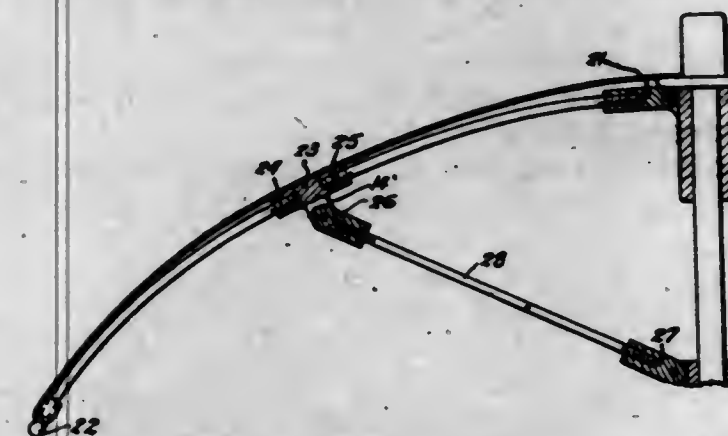


and a truncated conical portion at one end, said cylinder being disposed within said holder substantially throughout the entire length thereof but annularly spaced therefrom, its truncated conical portion extending into said converging bore, and annularly spaced from the die core for protecting said conductor within said block before it is received by said die core, the annular space between the die core and the cylinder communicating with the annular space between the holder and the cylinder, and the latter space communicating with the atmosphere.

2,385,575

PLASTIC UMBRELLA FRAME CONSTRUCTION

Sol Isler, New York, N. Y.
Application May 22, 1944, Serial No. 536,772
3 Claims. (Cl. 135-29)



1. Composite rib construction for umbrella frames comprising plastic rib sections and a connector consisting of a sleeve having sockets at its opposite ends receiving the adjacent ends of said rib sections, and a lug carried by said sleeve adapted to be pivotally interconnected with a stretcher.

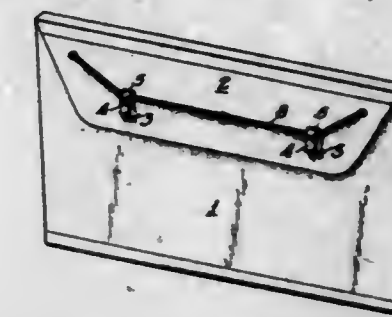
2,385,576

CLASPING DEVICE FOR BAGS, PORTFOLIOS, ENVELOPES, AND THE LIKE

Jean Isaac Leopold Israel, Rio de Janeiro, Brazil
Application February 29, 1944, Serial No. 524,420
In Brazil October 15, 1943
1 Claim. (Cl. 229-77)

In combination a container having a flat front face, a flat closing flap closing said container when folded over said front face in contact with the same, at least two open hooks secured spaced apart from each other to that portion of said flat

front face of said container which is covered by said flat closing flap when the same is in closing position folded over said front face of said container, at least two openings in said flat closing flap corresponding to said open hooks on said front face of said container so that the same project through said openings when said flat closing flap is folded over said flat front face and thus closes said container, and an elastic

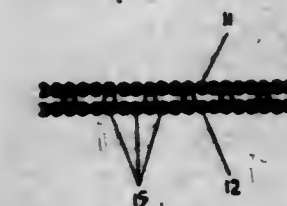


strip member firmly secured at both ends to the outer face of said flap in such a manner as to engage said open hooks projecting through said openings in said flat closing flap and to prevent disengagement of the same from said openings and said flat closing flap in which the same are provided, when said container is closed by said flat closing flap with said open hooks passing through said openings in said flat closing flap and engaging said elastic strip member.

2,385,577

FABRIC

Ezekiel J. Jacob, Brooklyn, N. Y., assignor to Benjamin Liebowitz, New York, N. Y.
Application May 30, 1944, Serial No. 538,016
11 Claims. (Cl. 139-425)



1. A multi-ply fabric composed of at least two fabric plies consisting each of non-combustible electrically insulating fine filaments and of fine metallic wires incorporated in one of said fabric plies spaced apart from each other.

2,385,578

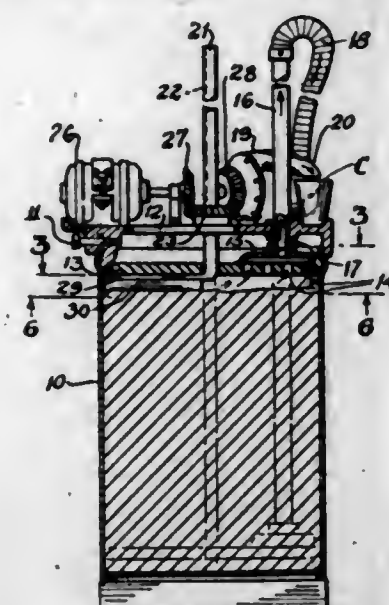
IRON POWDER CORE

Kurt Kaschke, Berlin-Neukolln, Germany; vested in the Alien Property Custodian
Application January 27, 1942, Serial No. 428,442
In Germany July 20, 1940
3 Claims. (Cl. 175-21)



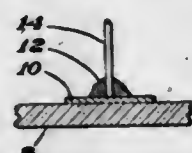
1. A compressed iron dust core for permeability tuning devices whose length is a multiple of its diameter, said core comprising two substantially half-round portions glued together to form a substantially round core body, said portions having recesses in their abutting faces forming cavities in the round core body, and said portions having an internal structure characteristic of a body formed by compression of a finely divided material in a direction perpendicular to the longitudinal axis of the core.

2,385,579

FROZEN CONFECTION DISPENSERIrving King and Bertha R. Burg,
Los Angeles, Calif.Application August 14, 1944, Serial No. 549,464
2 Claims. (Cl. 222-227)

1. In an ice cream dispenser, a cover plate adapted to be positioned on a container, a plate disposed below said cover plate, a shaft mounted to rotate in both plates and to slide through said cover plate, a scraper carried by said shaft below said second mentioned plate, there being openings formed in said second mentioned plate, a hood over said openings, a duct leading from said hood upwardly through said cover plate, a pump mounted on said cover plate to which pump said duct is connected and means for simultaneously driving said shaft and pump.

2,385,580

VITRIFIABLE FLUX AND BONDING COMPOSITION CONTAINING SAMEJames J. Knox, Avenel, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 1, 1944, Serial No. 543,163
20 Claims. (Cl. 106-49)

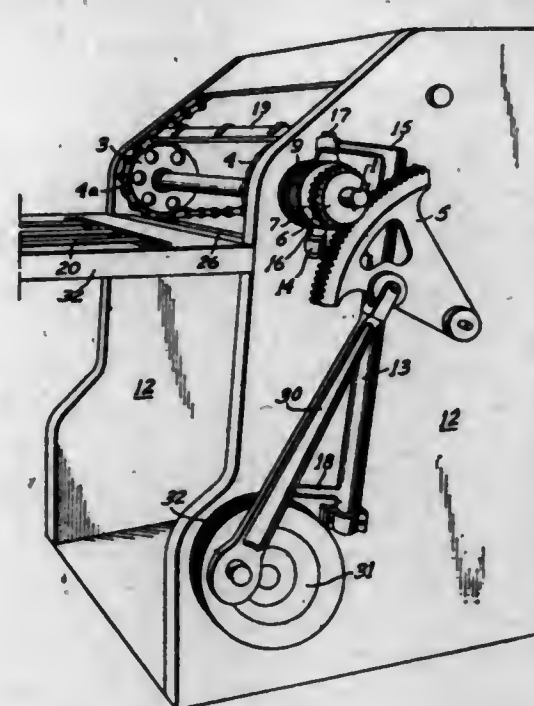
1. A vitrifiable flux comprising between 95% and 50% bismuth trioxide and between 5% and 50% of a lead-borosilicate composition containing between 30% and 90% PbO, between 5% and 40% SiO₂ and between 4% and 25% B₂O₃.

2,385,581

MACHINE FOR THE WORKING OF BLANKSJosef Küry, Lausanne, Switzerland, assignor to J. Bobst & Fils S. A., Prilly, Switzerland, a corporation of Switzerland
Application September 17, 1941, Serial No. 411,149
In Switzerland April 26, 1941
1 Claim. (Cl. 271-45)

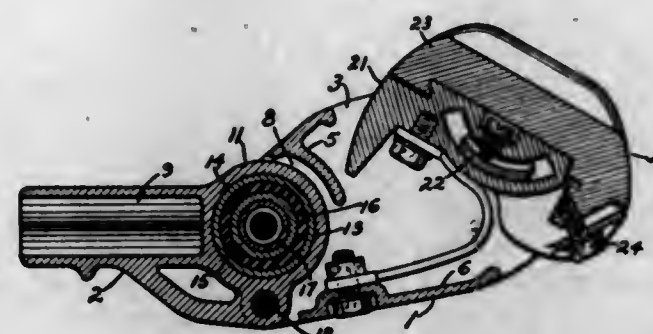
In a machine for working blanks fed singly thereto, including spaced sprockets having chains thereon, gripper bars carried by said chains and extending transversely there-between, means for intermittently driving said sprockets, holding means engagable with the ends of said bars for pressing said ends against said sprockets, and operating means engaging said holding means with said bars between the times when said sprockets are driven and for releasing said hold-

ing means when said sprockets are driven, said machine including a stationary frame and a drive shaft for said sprockets rotatably mounted in said frame, the means for intermittently driving said sprockets including a drive element, rotatably mounted on said shaft, means for oscillating said drive element, a clutch element splined on said shaft and movable thereon between two axial positions, in the first of



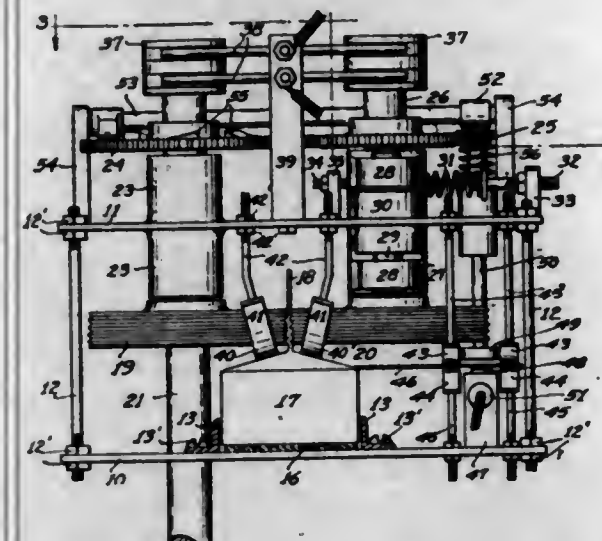
which positions said clutch and drive elements are drivingly engaged, and in the second of which positions said clutch element is lockingly engaged with said frame, and means for moving said clutch element to said first position while said drive element is rotating in one direction and for moving said clutch element to the other position when said drive element rotates in the other direction.

2,385,582

CURRENT COLLECTOR HEAD AND TROLLEY POLE HARPErnst A. Larsson, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application December 13, 1943, Serial No. 514,148
9 Claims. (Cl. 191-59.1)

1. A trolley pole harp comprising in combination a two-part device, one portion of the harp having means for attachment to a support, the other portion having means to receive and support a current collector, one portion having a clevis at one end and the other portion having a tongue at one end, the said tongue positioned in the clevis to form a hinge joint, resilient means acting as a pintle to hold the portions against separation and immovably secured to each part of said hinge joint whereby the portions may oscillate through a limited angle, the said resilient means having a central bore therethrough and a flexible cable having its ends secured to the portions of the harp, the intermediate portion of the cable passing through the said central bore.

2,385,583

MACHINE FOR SEALING WAXED PAPER BAGSArthur B. McLauchlan, Salem, Oreg.
Application May 18, 1942, Serial No. 443,431
2 Claims. (Cl. 226-56)

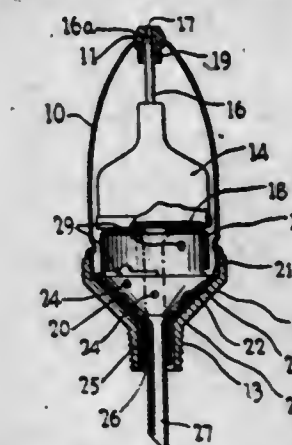
1. A machine for heat-sealing waxed paper bags including a pair of top and bottom plates, a pair of heating pressing rollers mounted on vertical shafts and located below said top plate, the shaft for one of said rollers supported in a bearing on said top plate, the shaft for the other roller supported in a hinged bracket pivotally mounted on said top plate and adapted to swing in a horizontal plane, means for positioning said bracket and second mentioned shaft whereby to control the spacing between said rollers, said latter mentioned means including a positive, adjustable stop for maintaining a predetermined minimum spacing between said rollers and a resilient element normally holding said bracket against said stop but allowing said minimum spacing to be temporarily increased to accommodate extra thickness of waxed paper passing between said rollers, means for heating said rollers, means for rotating said rollers, a pair of longitudinally extending pressing guides located below said rollers, and extending forwardly and rearwardly thereof, said guides acting to bring the top flaps of each bag into position in preparation for the heat sealing and to cause air to be exhausted from said bags by pressing down on said bags prior to and during the sealing, said guides supported from said top plate, conveying means supported on said bottom plate for conveying said bags through said pressing guides and pressing rollers, and means for adjusting the position of said top plate with respect to said bottom plate, whereby bags of different size can be accommodated in said machine merely by adjusting the position of said top plate with respect to said bottom plate.

2,385,584

STRAIGHT STEM VENT VALVEJames A. Parton, Erdenheim, Pa., and John B. Pace, Indianapolis, Ind., assignors to Hoffman Specialty Co., Indianapolis, Ind., a corporation of Illinois
Application June 23, 1943, Serial No. 491,860
11 Claims. (Cl. 236-63)

1. A straight shank vent valve for steam systems comprising a casing having a vent port in its upper portion, a float in the casing provided with a valve extending upwardly for engagement with the vent port, a base with a funnel-shaped interior surface, a nipple extending from the lower portion of the base having an outer end of dimensions suitable to enter standard vent valve tappings of said system, and a funnel positioned within the base in such a manner that its

tube extends into the nipple bore, the flared portion of said funnel at its outer periphery resting upon said base and supporting the funnel in said base, said funnel having its flared side wall and



tube spaced from the sides of the base and being provided with perforations in the side walls opening into the annular space formed between said walls and said base.

2,385,585

DETENTION WINDOWHoward G. Pillsbury, Detroit, Mich., assignor to Chamberlin Company of America, a corporation of Michigan
Application September 4, 1944, Serial No. 552,614
5 Claims. (Cl. 160-353)

1. A guard screen for windows, doors or the like, comprising a screen panel having a rigid peripherally extending subframe to which its edge portions are secured, a main frame member upon which the subframe is relatively movably mounted, and yielding means opposing relative motion between said main and subframe members in a direction normal to the plane of the panel.

2,385,586

CONDENSATION OF PHENOLS WITH SULPHITE WASTE LIQUORHermann Rudy and Rudolf Watzel, Mannheim, Germany; vested in the Alien Property Custodian
No Drawing. Application March 13, 1942, Serial No. 434,622. In Germany January 18, 1941
3 Claims. (Cl. 260-17.5)

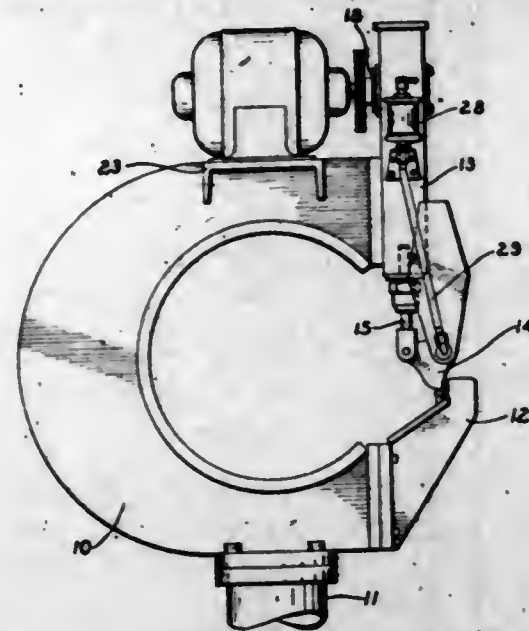
1. The process for the manufacture of condensation products from sulphite waste liquor and phenols which comprises reacting at 70° to 130° C., a mixture consisting of pulverized, dried sulphite waste liquor of 4 to 6% ash content, a phenol and anhydrous phosphoric acid of 82 to 86% P₂O₅ content, the phosphoric acid being present in sufficient quantity to impart to the initial mixture a pH below 4, continuing the reaction until a homogenous fluid mass is obtained which solidifies on cooling to a resin readily soluble in water and then cooling the mass.

2,385,587

NIBBLERLeslie W. Russell, San Diego, Calif., assignor to Solar Aircraft Company, San Diego, Calif., a corporation of California
Application September 27, 1944, Serial No. 555,975
7 Claims. (Cl. 164-47)

1. A nibbler comprising: a frame; a stationary cutter and means for supporting it in fixed rela-

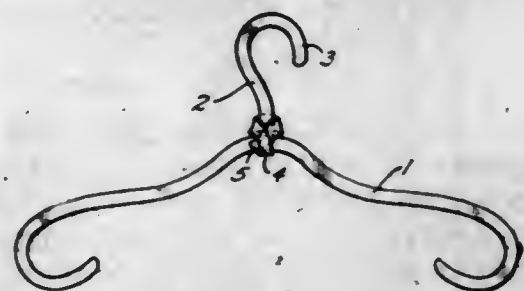
tion on said frame; a rocker member and means pivotally supporting it on said frame for rocking motion; a movable cutter supported on said rocker member adjacent said stationary cutter in shear-



2,385,588

COAT HANGER

Eugene S. Schneider, Los Angeles, Calif.
Application June 19, 1944, Serial No. 540,955
1 Claim. (Cl. 223-88)

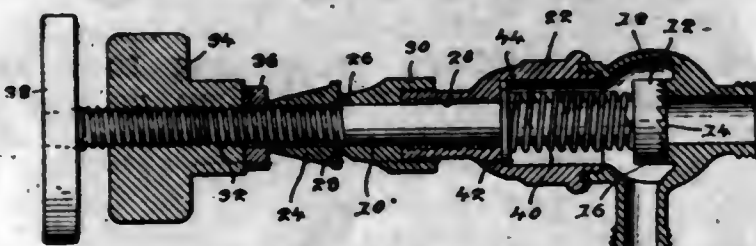


A coat hanger, comprising: a garment supporting member; and a suspension member made of a material which is deformable when hot but rigid when cold, said suspension member having a substantially rigid hook portion, an intermediate shank, and a tail portion, said tail portion being looped around under said garment supporting member from the rear thereof and overlying the front thereof and then extending rearwardly around the back of said shank portion and thence forwardly with its extremity tucked under said loop at the front of said garment supporting member.

2,385,589

VALVE RESEATING TOOL

Leonard C. Shepler, Peoria, Ill.
Application November 13, 1942, Serial No. 465,513
2 Claims. (Cl. 90-12.5)



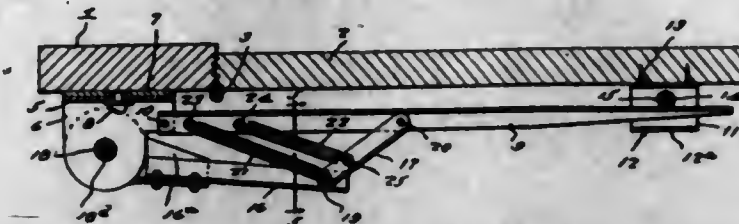
2. In a tool for reforming the valve seat of a valve body having a conically tapered cap, a shaft having a seat cutter at its inner end and screw threads on its outer portion, a feed limiting member threadedly engaging the screw threaded portion of the shaft, a slip element loose on the

shaft at the inner end of the feed limiting member, and a tubular guide loosely mounted on the shaft having its inner end fitted on the conical cap and its outer end diametrically reduced and bearing against the slip member.

2,385,590

DOOR OR GATE CLOSER

Bush Strosnider, Ashland, Ky.
Application September 1, 1944, Serial No. 552,272
1 Claim. (Cl. 16-80)



A closing device for a hinged door comprising a bracket, means for securing said bracket to a fixed part at one side of the doorway, a roller, means for attaching the roller to the door, a door-closing lever pivoted at one end to said bracket to swing in opposite directions into door-closing and opening positions, respectively, and adapted to bear against said roller, and spring tensioned means for swinging said lever into door-closing position and causing the same to bear against said roller, comprising a pair of toggle levers one pivoted to said bracket and the other pivoted to said lever, and pairs of springs one pair connected to the door-closing lever adjacent the pivot of said lever and also connected to the joint of said toggle levers, and the other pair being connected to said door closing lever further from the pivot of the same and also connected to one of the toggle levers intermediate the ends of the latter.

2,385,591

FORCE TRANSMITTING MEASURING MECHANISM

Paul A. Sturtevant, Elmhurst, Ill.
Application July 17, 1944, Serial No. 545,333
26 Claims. (Cl. 73-139)



1. A tripping mechanism for indicating the application of a predetermined force adapted for use with a force transmitting mechanism which includes a handle member and a yieldably connected force applying member, said tripping mechanism comprising a normally rigid connection through which the force imparted to said handle member is transmitted to said force applying member, a releasable member forming a part of said means adapted to break said normally rigid connection and deliver a hammer blow to jar said handle member, said member comprising a bar pivotally mounted upon said handle and upon said force applying member, there being means for restraining said bar to prevent said bar from swinging about its said pivotal mountings.

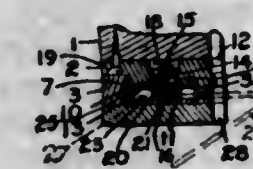
2,385,592

DETACHABLE HEEL LIFT

Benjamin H. Walker, Port Richmond, Staten Island, N. Y.
Application March 4, 1944, Serial No. 525,015
14 Claims. (Cl. 36-42)

1. In a detachable lift for the heels of shoes having a member secured to the heel and a

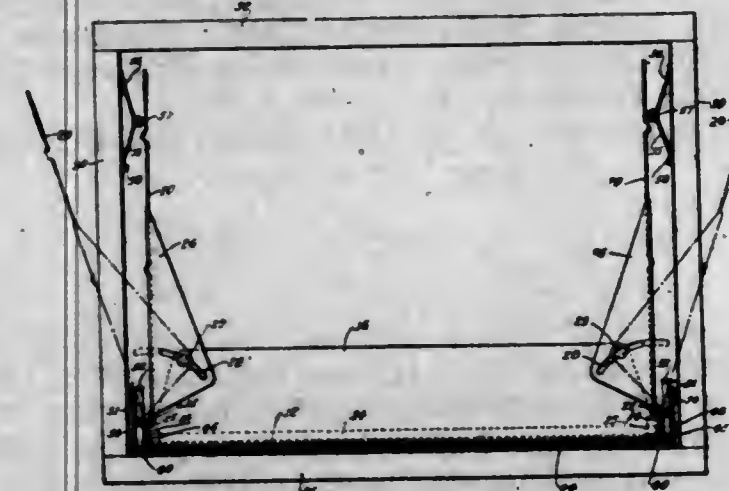
grooved replaceable member detachably secured thereto and locking means comprising a spring pressed dowel releasable to permit the removal



of one member from the other, said groove being adapted to receive an operator insertable in said groove to move said locking means.

2,385,593

ACCOUNTING AND FILING SYSTEM
Herbert Weston, New York, N. Y.; vested in the Alien Property Custodian
Application January 3, 1942, Serial No. 425,498
6 Claims. (Cl. 312-150)



1. In combination, a cabinet having sidewalls and a drawer slidable in the cabinet from a closed position between the sidewalls to an open position wherein the open sides of the drawer are exposed in front of the cabinet, said drawer having low sides, a removable tray on the drawer, said tray having side members mounted thereon for lateral displacement from normal inward positions to positions beyond the sides of the drawer, and yielding means secured on the sidewalls of the cabinet for yieldably pressing the side members of the tray toward their normal inward positions while the drawer is in its closed position within the cabinet, said side members of the tray being arranged to fall outwardly to their laterally displaced positions as the drawer is drawn out from the cabinet sufficiently to disengage the side members of the tray from said yielding means.

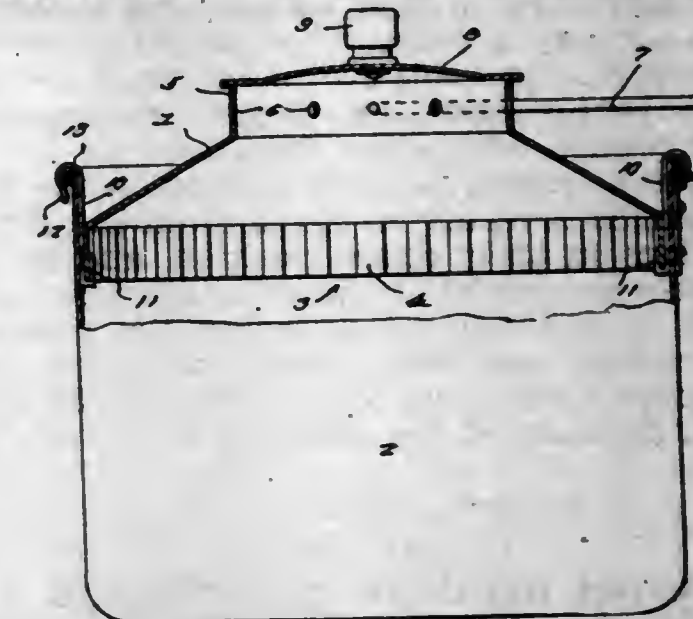
2,385,594

UTENSIL COVER

William F. Witte, Jr., Omaha, Nebr.
Application January 25, 1944, Serial No. 519,679
1 Claim. (Cl. 126-384)

A utensil cover of the character described comprising a substantially frusto-conical body engageable in the upper portion of a utensil, an integral neck rising from the body, said neck having a plurality of circumferentially spaced fluid discharge ports therein, a lid removably mounted on the neck, a vertical annular flange depending from the periphery of the body and insertible within the utensil, said flange having vertical corrugations therein defining passages for returning by gravity to the utensil the fluid escaping therefrom through the ports, and means for detachably securing the body in position in the utensil, said means including metallic bars mounted vertically on the flange, said bars in-

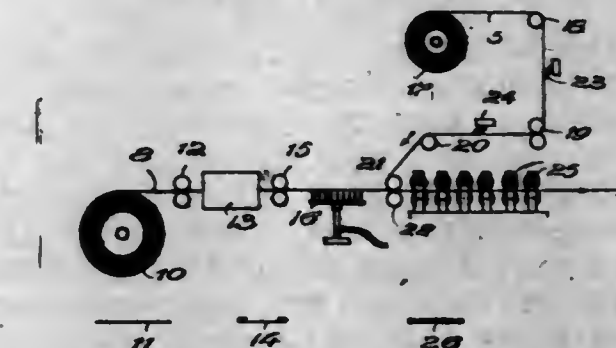
cluding hooks on their lower ends, the flange being engaged in and fixed to said hooks, and



resilient clips on the upper ends of the bars engageable with the upper portion of the utensil.

2,385,595

METHOD OF AND DEVICE FOR PRODUCING SOUND BAND MATRICES
Arno Woltschek, Porz, near Cologne, Germany; vested in the Alien Property Custodian
Application May 26, 1941, Serial No. 395,317
In Germany May 22, 1940
4 Claims. (Cl. 18-5.3)

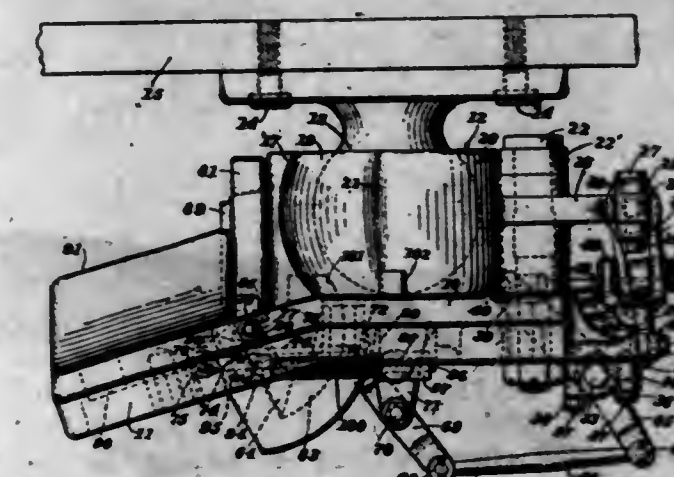


4. A composite reproducing band of desired width and having a mechanical sound record thereon, comprising a duplicating portion bearing the sound record, and a relatively wider band having a central longitudinal recess of cross-section identical with that of the duplicating portion, said portion and the wider band being secured fixedly together throughout their lengths and providing a flexible article for preparing duplicates of the desired width.

2,385,596

COUPLING ASSEMBLY

Louis Yager and John W. Cummings, New York, N. Y.
Application August 11, 1944, Serial No. 548,992
23 Claims. (Cl. 280-33.1)



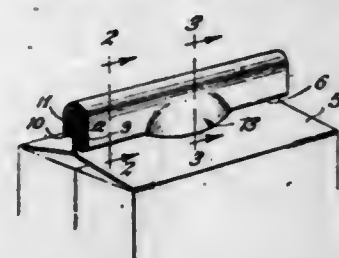
1. In combination with a tractor, coupling means for releasably connecting a trailer thereto,

said coupling means including a base having a socket arranged to receive a coupler ball, said socket comprising a fixed section and a pair of movable sections adapted to be moved to opened and closed positions relative to the fixed section, pressure means normally urging the movable sections toward each other to retain the ball in the socket, a locking member pivoted on the base and arranged to be moved to maintain the movable sections in their closed position, and means operatively connected to the pressure means and the locking member for releasing the pressure on the movable sections and for moving the locking member away from the movable sections to allow withdrawal of the coupling ball from the socket.

2,385,597

HANDLE DEFINING CLOSURE FOR PAPER BAGS

Howard G. Allen, Niagara Falls, N. Y., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York
Application July 3, 1940, Serial No. 343,771
6 Claims. (Cl. 229-62)

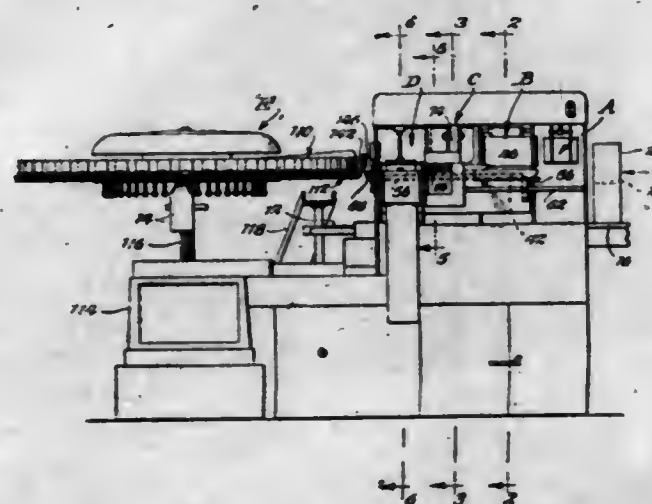


1. A handle-defining closure for paper bags and the like, including a collapsed bag mouth having an upstanding portion, reinforcing folds disposed on each side of said upstanding portion of the collapsed bag mouth, said reinforcing folds being formed integral with said collapsed bag mouth, and a stiffening strip of shape-retaining material located beneath the outer layers of said reinforcing folds and being bent over the upstanding portion of said collapsed bag mouth, the central portion of one of said reinforcing folds together with the associated portion of said stiffening strip being bulged away from the upstanding portion of said collapsed bag mouth to define with said portion of said mouth a carrying handle.

2,385,598

BAG CLOSING MACHINE

Howard G. Allen, Niagara Falls, N. Y., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York
Application June 23, 1943, Serial No. 491,899
7 Claims. (Cl. 93-6)



1. In a machine having a plurality of stations successively operable to form a closure upon a filled paper bag, a station operative upon a filled paper bag the side walls of which have

been tucked inwardly above the level of the contents and the front and rear walls of which have been collapsed upon said inwardly tucked side walls, said station including a movable tucking blade, stationary elements, means to move said tucking blade across the top of the bag and into contact with the collapsed mouth thereof along a transverse line above the level of the contents, the movement of said tucking blade displacing said collapsed bag mouth along said transverse line and said tucking blade and said stationary elements cooperating to form in said collapsed bag mouth a transverse tuck whereby to reduce the height of said collapsed bag mouth extending above the level of the contents of the bag, and means to hold in substantially a vertical plane a portion of said collapsed mouth extending above said transverse tuck.

2,385,599

COLOR PHOTOGRAPHY

Joseph Arthur Ball, Los Angeles, and Lawrence Plotin, North Hollywood, Calif., assignors to Max McGraw, doing business as McGraw Colorograph Company, Burbank, Calif.
Application March 15, 1943, Serial No. 479,210
4 Claims. (Cl. 95-2)

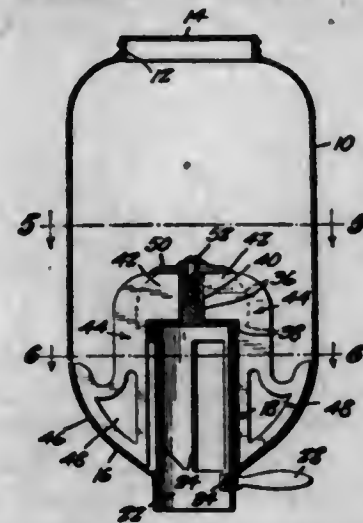


1. A color printing process which comprises providing a set of color separation negatives, providing a set of sensitized, pigmented carbon tissues, providing a set of transparent plastic water impermeable sheets, securing each of said carbon tissues with its gelatin surface in contact with one of said plastic sheets, printing each of said carbon tissues from its corresponding negative by passing light from the negative through the plastic sheet and into the sensitized layer, developing relief images on said plastic sheets by washing, providing a temporary support consisting of a water-permeable, non-stretchable and non-shrinkable surface coated with soft gelatin, adhesively securing each of said relief images in turn to said soft gelatin, providing a hard gelatin-coated permanent support, adhesively securing the hard gelatin surface of said permanent support to the relief images upon said temporary support, and separating the permanent support and the relief image from the temporary support to produce the final product.

2,385,600

DISPENSING CONTAINER

Alberto P. Banua, Kalaheo, Territory of Hawaii
Application September 23, 1943, Serial No. 503,538
2 Claims. (Cl. 222-248)



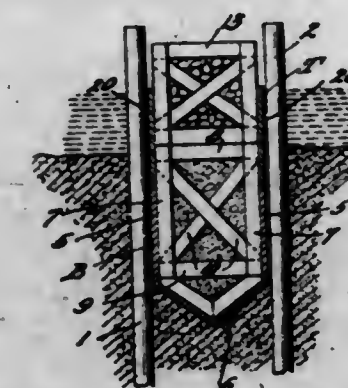
1. A dispensing container formed with an interiorly located tube in its lower end constituting

an outlet for the container and the wall of the tube provided with openings communicating with the interior of the container, a second tube mounted within the first tube and projecting out from the bottom of the container, said second tube being rotatable with respect to the first tube and having openings registering with those in the first tube to dispense contents from the container to the second tube, an enlarged head on the second tube forming a shoulder engaging the end of the first tube to hold the second tube in position in the first tube, said head having slots, wing members seated in the slots, a cap on the head holding the wing members in the slots, and the lower edges of the wings contoured to approximate the interior contour of the walls of the container and arranged adjacent thereto.

2,385,601

JETTY AND METHOD OF MAKING THE SAME

Orlo A. Bartholomew, Atlantic City, N. J.
Application April 28, 1945, Serial No. 590,901
5 Claims. (Cl. 61-4)

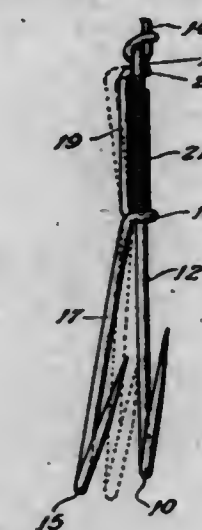


1. A method of constructing a jetty which consists in sinking parallel rows of piling, floating interlocking box-like sections and sinking the same between the rows of piling by partially filling them with said and then floating out bottomless interlocking sections to form an upper tier and forcing them down between the pilings to interlock with the lower sections.

2,385,602

FISHHOOK

Henry P. Birkemeier, Chicago, Ill.
Application May 31, 1943, Serial No. 489,105
7 Claims. (Cl. 43-37)



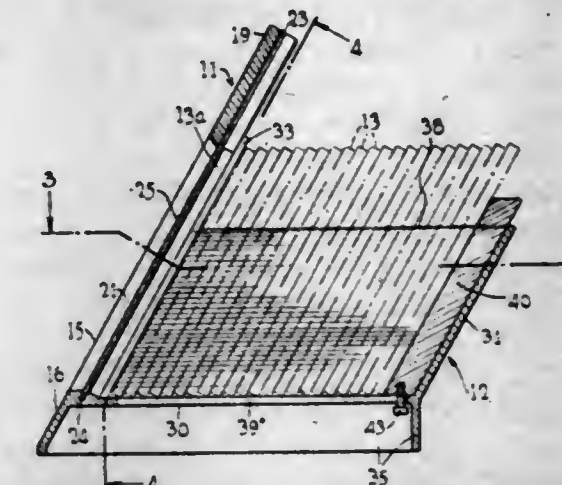
7. A fish hook structure comprising a pair of normally juxtaposed hooks, the shank of one hook having an eye for connection to a line and the other hook being releasably latched in the eye and guidable on the shank, and spring means for effecting a substantially endwise movement of the other hook beyond the line connected hook and further inwardly of the fish when unlatched.

578 O. G.-37

2,385,603

FULL FACE MAGAZINE, NEWSPAPER, OR PERIODICAL DISPLAY RACK, AND STORAGE THEREFOR

Jack Bloom, Brooklyn, N. Y.
Application November 13, 1943, Serial No. 510,138
3 Claims. (Cl. 211-50)

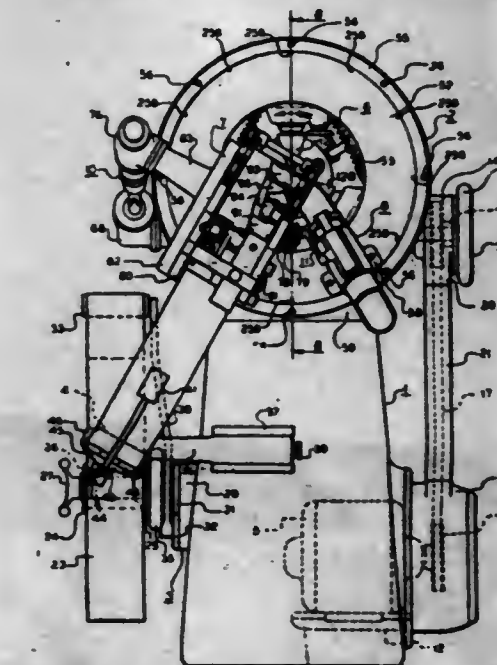


2. A display device for magazines, newspapers or periodicals comprising a front frame portion, a rearwardly extending open top box-like portion connected thereto and adapted to receive a plurality of said magazines, newspapers or periodicals in vertically stacked relation, means on said frame portion providing a compartment for the reception of a single copy of said magazine, newspaper or periodical, an opening in said frame portion, said means including a sheet of transparent material extending across said opening constituting a front wall of said compartment and said means further including divided wall portions defining a front wall of said box-like portion and spaced from said sheet of transparent material, and a longitudinally adjustable slide support mounted in said box-like portion arranged between said stack and the rear wall of said box-like portion, a longitudinal slot in the bottom wall of said box-like portion, a bolt extending through said slot and secured to said slide support, transverse teeth formed on the upper edges of the side walls of said box-like portions, and lateral extensions on said slide support having transverse teeth thereon adapted to mate with said first mentioned transverse teeth.

2,385,604

MACHINE FOR PRODUCING CONTAINERS AND PARTS THEREOF

Clarence T. Brewer, Chicago, Ill., assignor to Dixie Cup Company, a corporation of Delaware
Application June 2, 1938, Serial No. 211,387
46 Claims. (Cl. 93-36.2)



1. In a machine for producing containers, a forming mechanism comprehending, in combina-

tion, a backing cone and a rotary forming cone, the cones being practically tangentially disposed with the apex of the forming cone disposed slightly off radial position from the apex of the backing cone.

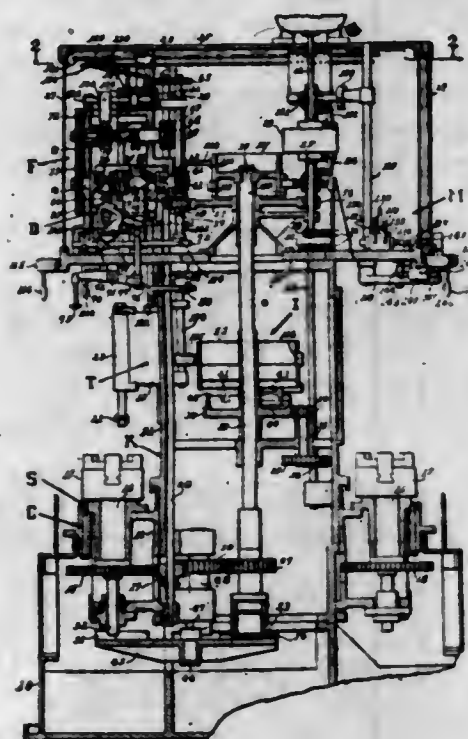
15. A device of the class described comprising a forming head arranged to gyrate around a central axis, a conical backing member concentric with said central axis and having an apex coincident therewith, a forming element on said forming head extending toward said central axis and having a conical surface engaging said backing member, said forming element being arranged to receive and fold a sheet-like blank during gyration of said forming head, means to feed blanks successively to said forming element and at an angle relative to the surface of said backing member, and means to gyrate said forming head.

36. The method of forming a single-piece conical paper cup the height of which is not more than approximately twice the diameter of the open mouth thereof, including the steps of continuously feeding a stock strip toward a forming station, applying adhesive to said strip, successively severing blanks from the continuously moving strip at a point in advance of the forming station, successively and uninterruptedly feeding the blanks to a position at said forming station to be engaged by a conical mandrel, and moving the mandrel bodily over a relatively fixed surface to wind the blank into a cup.

2,385,605

MACHINE TOOL

Edward P. Bullard, III, Fairfield, and Gustaf R. Appelberg and Ernest H. Johnson, Bridgeport, Conn., assignors to The Bullard Company, a corporation of Connecticut
Application November 4, 1939, Serial No. 302,834
18 Claims. (Cl. 29-38)

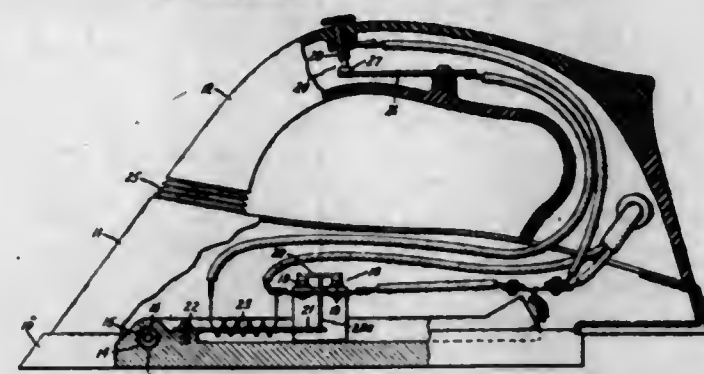


1. A machine tool comprising in combination, means for supporting a work piece; means for supporting a tool adapted to be moved into engagement with the work on said work-supporting means; a power drive for imparting separate motions to the work-supporting means and the tool supporting means; a controller for starting and stopping the motions of said means in accordance with a predetermined sequential order, said controller being rendered effective by the motion of one of said means; and a separate manually-controlled device for starting and stopping said means in accordance with a predetermined sequential order.

2,385,606

FLATIRON

James R. Campbell, Ontario, Calif., assignor to General Electric Company, a corporation of New York
Application June 29, 1943, Serial No. 492,693
2 Claims. (Cl. 219-25)

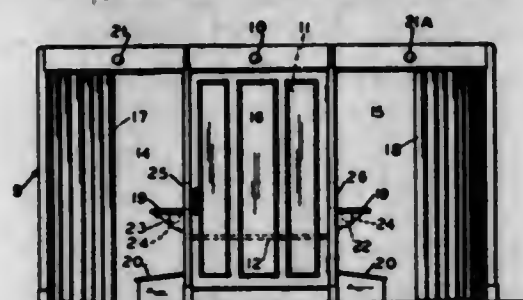


1. A flatiron comprising a soleplate, a handle for operating said soleplate having a chamber therein thermally remotely situated with reference to said soleplate, a heating unit for applying heat to said soleplate, a thermally responsive member responsive to the temperature of said soleplate controlling said heating unit to control the temperature of said soleplate, auxiliary means for heating said temperature responsive member, a second temperature responsive member positioned within said chamber of said handle out of the thermal influence of said soleplate and operative to control said auxiliary heating means, and means for heating said second temperature responsive member controlled by it so that it alternately applies heat to and cuts off heat from said member, said second temperature responsive member thereby controlling said auxiliary heating means alternately to supply heat to and cut it off from said first-named temperature responsive member, and means for adjusting said second temperature responsive member to control the proportion of time that heat is applied to it to the time that heat is cut off from it.

2,385,607

ECCLESIASTICAL EQUIPMENT

Nicholas V. Casson, New York, N. Y.
Application April 11, 1944, Serial No. 530,508
2 Claims. (Cl. 177-311)



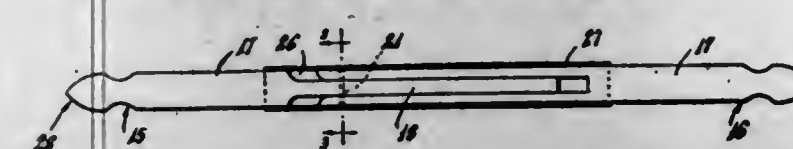
1. In a confessional including a cubicle for the penitent, said cubicle having a floor, a doorway into said cubicle, and a means for closing said doorway to afford privacy to a penitent in the cubicle, the combination therewith of a hingedly mounted kneeling rest in said cubicle on which the weight of the penitent's body will bear during that part of his stay in the cubicle while what is known as the sacrament of penance is being conducted; an electric signal on the exterior of the cubicle; means for yieldingly elevating a portion of said kneeling rest; an actuator for the signal comprising a normally open electric switch wholly carried by one of said floor and kneeling rest and arranged to be closed when said yielding means is overcome by said weight, whereby said actuator is operative to maintain the signal operative all the while said yielding means is thus overcome; and means for arrang-

ing said kneeling rest to have a field of swing so located that any normal use of the cubicle by all persons insures operation of the signal, the means last-mentioned comprising a placement of the pintle of such hinge at the low height above said floor characteristic of the ordinary kneeling rest, whereby on normal use of the cubicle said signal will be operative all the while, but only while, a person is kneeling on said kneeling rest, and consequently all the while said sacrament is being conducted.

2,385,608

CURTAIN AND DRAPERY ROD

James Castagna, New York, N. Y.
Application June 3, 1942, Serial No. 445,545
4 Claims. (Cl. 211-105.3)



1. In an article of the character described, the combination of a first rod member having a body portion and a pair of tines having parallel confronting edges, extending outwardly longitudinally from said body portion, another rod member having a body portion and a tine extending outwardly longitudinally from said body portion; the tine of the second rod member being between and being slidable with respect to said pair of tines; said rod members being in alignment and all said tines being provided with registered openings, a pin removably positioned within the registered openings in all the tines and in frictional engagement with the tines, and a sleeve member extending from the body portion of the second rod member to at least the body portion of the first rod member and surrounding all said tines.

2,385,609

PROCESS OF POLYMERIZING OLEFINS

Alfred Clark, Grandview Heights, and Richard S. Shutt, Upper Arlington, Ohio, assignors to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
No Drawing. Application July 1, 1940,
Serial No. 343,434
7 Claims. (Cl. 260-683.15)

1. The process of polymerizing a normally gaseous mixture containing ethylene, propylene and butylene such as may be derived from cracked petroleum, which comprises passing said mixture through a reactor in contact with a catalyst selected from the group consisting of the chromites of zinc, copper and cadmium at temperatures between 200° and 600° C. and under pressures of about 200 to 1500 pounds per square inch to polymerize simultaneously said ethylene, propylene and butylene.

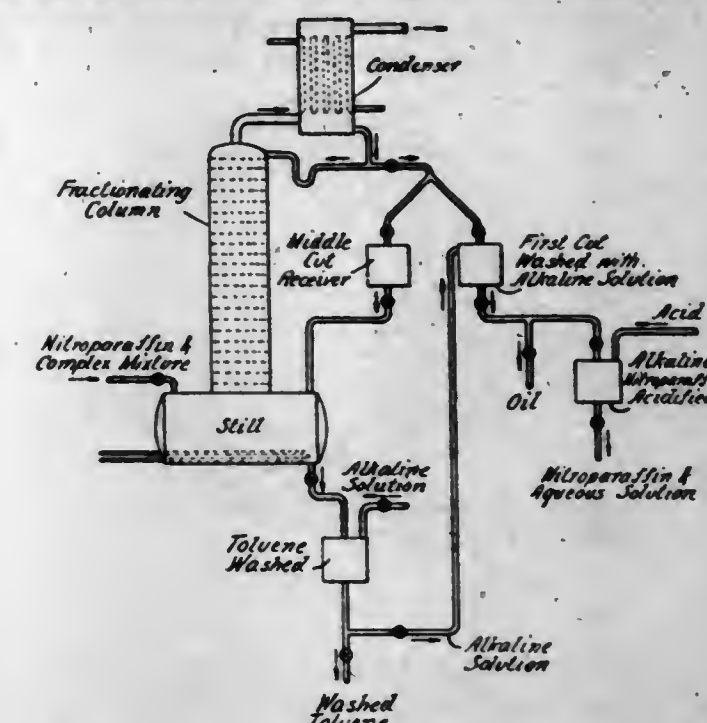
2,385,610

PROCESS FOR RECOVERING TOLUENE FROM HYDROCARBON MIXTURES

Charles R. Clark, Springfield Township, Montgomery County, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application November 26, 1943, Serial No. 511,832
13 Claims. (Cl. 202-42)

1. A process for the recovery of toluene from a complex hydrocarbon mixture containing toluene and non-aromatic hydrocarbons not separable from the toluene by conventional distillation of the hydrocarbon mixture, which process comprises fractionally distilling the hydrocarbon

mixture with a sufficient amount of a nitroparaffin boiling within the range of 110° to 125° C. to

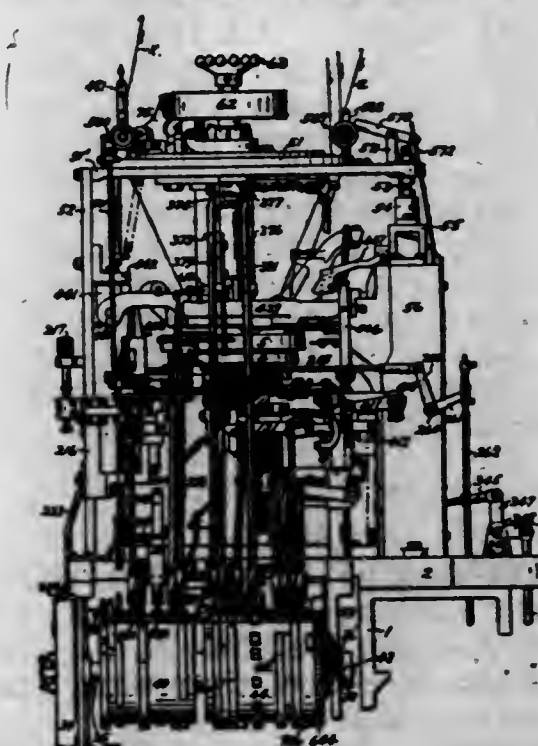


vaporize and remove as distillate a substantial proportion of said non-aromatic hydrocarbons.

2,385,611

SPLIT-FOOT KNITTING MACHINE

Arthur N. Cloutier, Lonsdale, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application April 24, 1939, Serial No. 269,671
12 Claims. (Cl. 66-24)



1. In a knitting machine the combination of a cylinder, a dial, means for knitting on needles in both the cylinder and dial and for thereafter transferring stitches from dial needles to cylinder needles including means for shogging the dial, retarding one group of needles with respect to the other and thereafter causing the latter group of needles to gain with respect to said other group, means for continuing knitting after transfer by rotation of the cylinder and other means for controlling cylinder needles to reciprocate them and to knit two portions of fabric interconnected by knitted sutures.

2,385,612

CALKING TAPE

Alex. Coutlee, Kankakee, Ill., assignor to J. W. Mortell Company, a corporation of Illinois
Application February 15, 1943, Serial No. 475,948
1 Claim. (Cl. 206-59)

An article of manufacture comprising a spirally wound roll of plastic weatherstripping tape, said

tape being formed of a plurality of parallel uniformly tacky strands of inelastic putty-like insulating material, said strands being detachably held in lateral juxtaposition by adhesion, and said



tape being releasably held in spiral form by adhesion of each individual strand with outer windings of the same strand whereby an end strand may be entirely detached without unwinding the companion strands.

2,385,613
INKS

Alex Brooking Davis, Cincinnati, Ohio, assignor to A. B. Dick Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application May 19, 1941,
Serial No. 394,187
11 Claims. (Cl. 106—29)

1. A duplicating ink characterized by the property of rapid drying upon application to an impression sheet comprising an alkyl glycol containing not more than four carbon atoms which is fluid at normal temperatures and dries rapidly when spread in a thin film, a water-soluble resin soap dissolved therein, and a pigment, said ink being capable of readily passing through the absorbent pad of a duplicating machine and adapted to remain fluid therein over relatively long periods of time.

2,385,614

DETERGENT BARS OR CAKES

Emil Edward Dreger, Summit, N. J., and Adam Carr Bell, Jackson Heights, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Application May 3, 1941,
Serial No. 391,704

7 Claims. (Cl. 252—161)

1. Detergent bars or cakes containing as a major ingredient solid salts of the sulphuric acid ester of diglycerides of long-chain fatty acids.

2,385,615

FLUORESCENT SULPHIDE PIGMENT COMPOSITION

John F. Dreyer, Cincinnati, Ohio, assignor to The Formica Insulation Company, a corporation of Ohio

No Drawing. Application July 1, 1942,
Serial No. 449,327

2 Claims. (Cl. 252—301.6)

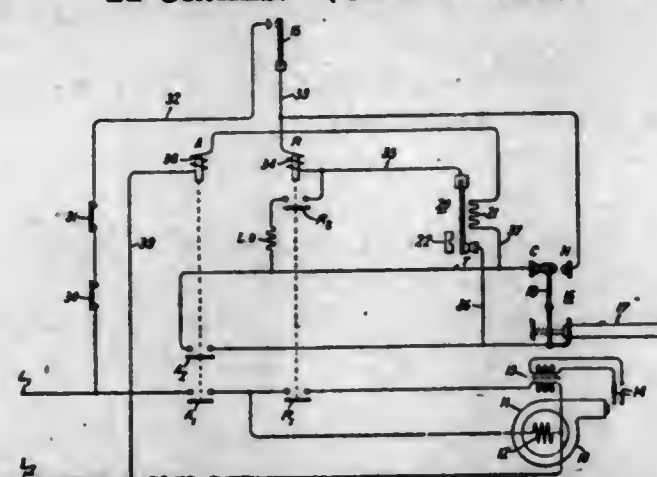
1. A fluorescent sulphide pigment in finely divided form, the particles having a non-volatile surface coating of a cation active wetting agent having the property of substantially completely inhibiting the effect of moisture upon said particles, said agent comprising a non-volatile amine.

2,385,616

SEQUENCE CONTROL SYSTEM

John Eaton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application July 1, 1943, Serial No. 493,066
11 Claims. (Cl. 175—320)



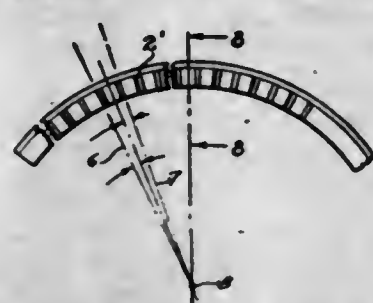
1. In a control system, a pair of control devices having separate electrically differentiated electroresponsive operating means and an electric heater connected to be energized therewith in a series circuit having normally closed thermally actuated switching means therein opened by the heating action of said heater at the end of a limited heating period, and a current limiting shunt interconnected by one of said devices upon energization of said operating means thereof with said switching means for preventing both de-energization of said heater and said operating means of said one device and effective energization of said operating means of the other control device upon said opening of said switching means.

2,385,617

METHOD OF FORMING SPLIT RING GEARS

Robert J. Eiseman and Robert E. Wenner, Cleveland, Ohio, assignors to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio

Application September 4, 1942, Serial No. 457,246
1 Claim. (Cl. 29—159.2)



The method of forming a split ring gear out of a flat strip of material comprising the initial cutting of teeth in one edge of the flat strip of predetermined length, the bending of the flat strip into a circular form, and the subsequent subjecting of the circular strip to an edgewise force of a punch pressing operation to materially alter the formation of the teeth by displacement into one in which the boundary lines of the teeth when projected converge approximately at the center of the circular strip and simultaneously, by displacement of material, alter the form of the sides of the circular strip to assume a circular bead in the body portion of the strip.

2,385,618

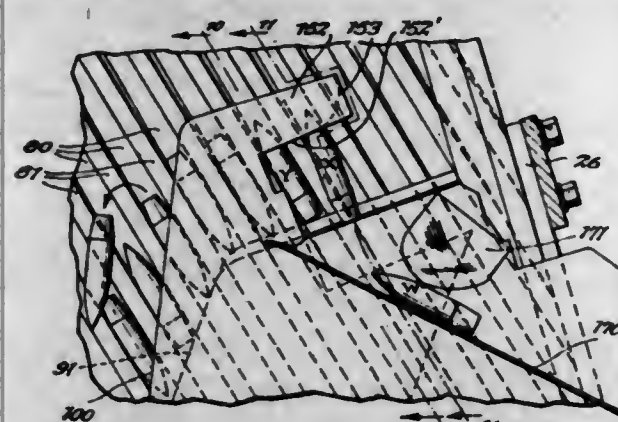
SORTING DEVICE

Ernest W. Ekstrand, Orange, N. J., assignor to Consolidated Packaging Machinery Corporation, a corporation of New York

Application November 19, 1943, Serial No. 510,865
14 Claims. (Cl. 209—72)

13. A machine for longitudinally orienting an indiscriminate mass of elongated objects having

differentiated ends comprising means for bringing objects from said mass into a continuous series with their longitudinal axes parallel and consecutively through a zone in which said axes are approximately vertical, a first member having a surface upon which the ends of the objects in said zone rest, said first-named means consecutively advancing said objects along said surface into positions in which each of said objects tends to topple from said first member, a second



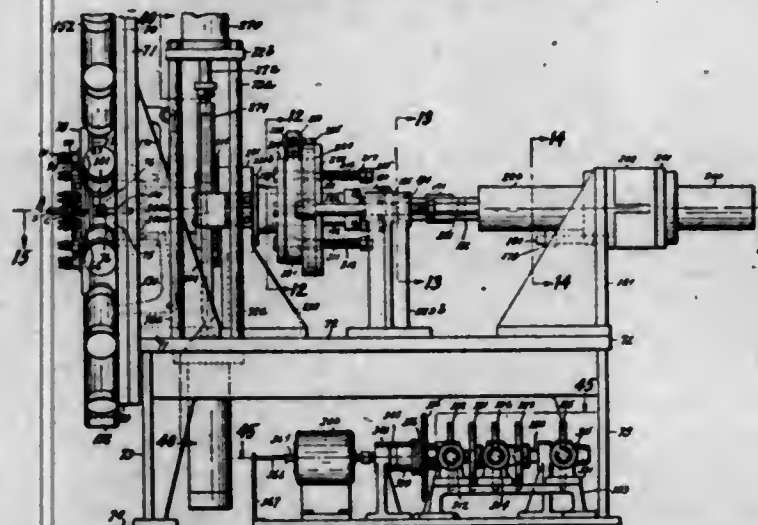
member temporarily restraining said objects from toppling off said first member, said first and second members being so related that objects having one type of end resting on the surface of said first member will drop therefrom while being prevented from toppling by said second member and objects having the opposite end resting on said surface will advance beyond said second member to topple from said first member, and means for receiving and discharging said objects with their axes in alignment.

2,385,619

ARMATURE COIL LEAD STAKING MACHINE

Ernest R. Fausset, Ingalls, and Forest L. Zion, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 13, 1943, Serial No. 510,158
22 Claims. (Cl. 29—205)



2. A lead-staking machine for operating upon a dynamo armature comprising a slotted core, a plurality of coils completely assembled with the core and having unattached leads at least one of which extends from each core slot, a commutator having bars providing recesses to receive the lead ends and a shaft for supporting the core and commutator, said machine comprising, in combination, means for initially locating the leads to be staked around the commutator in spaced relation approximating the correct relation, means movable into position for finally accurately locating the leads around the commutator and for guiding the leads into the recesses of certain commutator bars, a mechanism for retracting the initial locating means from the leads and for advancing the final locating means as the initial locating means is receding, means for

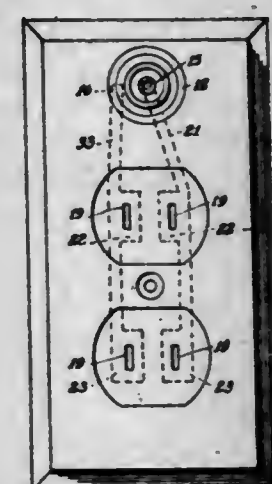
rotating the armature to angularly displace the commutator from the lead ends while they are being confined by the final locating means in order to bring certain commutator bar recesses into alignment with the lead ends thus located, members for moving the lead ends into the bar recesses while confined by the final locating means, and means for moving said members simultaneously.

2,385,620

ELECTRIC OUTLET ACCESSORY FIXTURE

Andrew Fleckenstein, Windsor, N. Y.

Application June 1, 1944, Serial No. 538,220
6 Claims. (Cl. 177—311)



1. An accessory fixture for use with an electrical outlet having a contact-carrying receptacle adapted to receive an attachment plug having blade contacts, said fixture comprising a thin dielectric body adapted to overlie said receptacle and having apertures to receive said blade contacts, contact means carried by said body and adapted to engage said blade contacts when they are inserted in said apertures, a lamp socket supported on said fixture and having terminals, and means electrically connecting said terminals with said contact means.

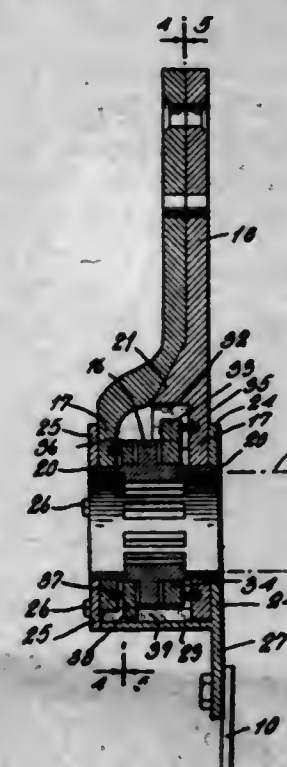
2,385,621

BRAKE OPERATING MECHANISM

Leon T. Freeman and Roy H. Shively, Scranton, Pa.; said Freeman assignor to said Shively

Application July 27, 1943, Serial No. 496,292

10 Claims. (Cl. 188—196)



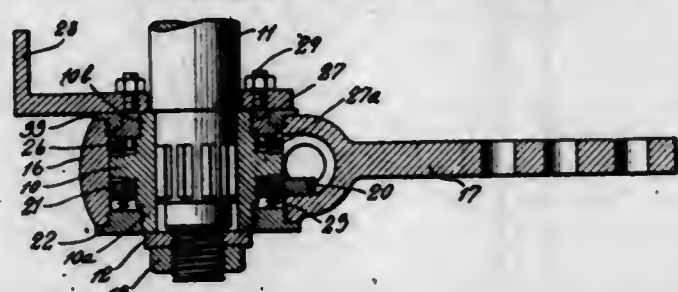
2. Brake operating mechanism comprising in combination, a cam operating shaft, an axially fixed ratchet gear secured on said shaft, said ratchet gear having ratchet teeth on each end face, an operating arm having axially fixed bi-

furcated inner ends turnable about the axis of said shaft and ratchet gear, an axially slidable operating ring pawl and an axially slidable adjustment ring pawl disposed between the opposite ends of said ratchet gear and the inner ends of said arm, springs between said pawls and said arm ends urging the pawl teeth against said ratchet teeth, means securing said operating pawl to move with said arm, a fixed casing element forming with said arm and parts carried thereby an enclosing casing for the pawls and gear carried between the arm ends, and means connecting the adjustment pawl to the fixed casing element.

2,385,622

BRAKE OPERATING MECHANISM

Leon T. Freeman and Roy H. Shively, Scranton, Pa.; said Freeman assignor to said Shively
Application September 9, 1943, Serial No. 501,612
7 Claims. (Cl. 188-196)

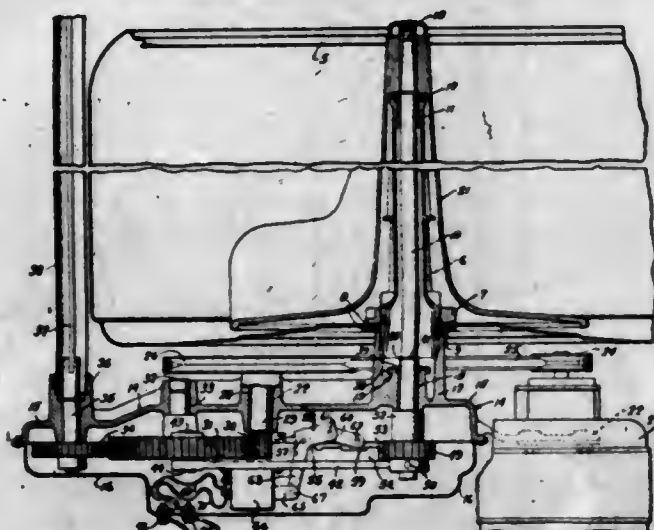


7. Brake operating mechanism comprising in combination, an operating arm including an annular shell and removable end plates forming a casing, a ratchet gear within the casing, said gear including hubs extending through the ends of the casing, a brake-operating cam shaft and means securing the ratchet gear to the cam shaft, the casing leaving an annular opening around a hub at one end, a fixed member extending into the annular opening and retained by the removable casing plate at that end, an anchorage and means removably securing said fixed member to said anchorage, an operating pawl within said casing connected to move with the casing, and an adjustment pawl within the casing connected with restricted play to said fixed member, both pawls cooperatively acting with said ratchet gear to operate and automatically adjust the cam shaft.

2,385,623

MEANS FOR TRANSMITTING OSCILLATORY MOTION

Peter Eduard Geldhof and Vernon J. Wooster, St. Joseph, Mich., assignors to Nineteen Hundred Corporation, St. Joseph, Mich., a corporation of New York
Application June 24, 1943, Serial No. 492,102
10 Claims. (Cl. 68-133)



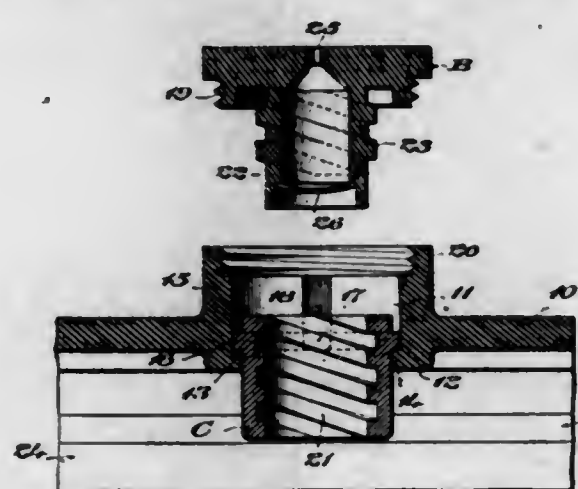
1. In a washing machine including a tub, an agitator in said tub and a power source,

means for actuating said agitator from said power source comprising a drive member operated from said power source, reciprocating means actuated by said drive member, means freely rotatably mounted on said reciprocating means for driving the agitator, and slidable means associated with said reciprocating means and movable in a plane substantially parallel to the plane of movement of said reciprocating means and for selective engagement with said rotatably mounted means to hold the same in fixed relation to said reciprocating means to drive said agitator and disengagement from said rotatably mounted means to stop said agitator.

2,385,624

CLOSURE MEANS FOR CONTAINER FILLING OPENINGS

George R. Godber, Los Angeles, Calif.
Application May 22, 1944, Serial No. 536,856
6 Claims. (Cl. 136-178)



1. Closure means for the filling opening of a container comprising a threaded sleeve disposed vertically in said opening and freely movable vertically therein, means holding said sleeve against rotation, a closure cap for said opening having threaded engagement with the container, a plug depending from said closure cap and having threaded engagement with said sleeve, the threads of said closure cap and said container being related to the threads of said sleeve and said plug so that when the closure cap is removed the plug threads become disengaged from the sleeve threads prior to disengagement of the closure cap threads from the container threads and so that when the closure cap is applied its threads engage the container threads prior to engagement of the plug threads with the sleeve threads, stop means to limit downward movement of the sleeve when the same is released by removal of the closure cap and to provide a seal to prevent escape of air from the container around the outside of the sleeve, said sleeve depending a predetermined distance into the container when it is at its limit of downward movement, and said plug and sleeve threads being of greater pitch than the closure cap and container threads so that when the closure cap is applied the sleeve is lifted.

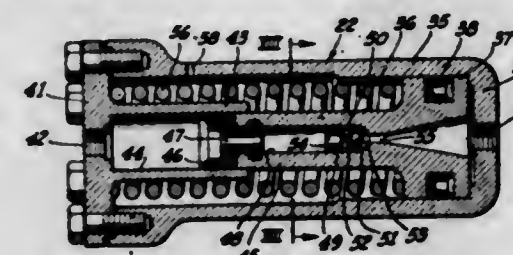
2,385,625

HYDRAULIC TRANSMISSION SYSTEM

Arthur H. Hopmans, Paulding, Ohio
Application December 18, 1943, Serial No. 514,763
1 Claim. (Cl. 188-152)

In a control device for hydraulic power transmission systems, the combination of: a cylinder housing defining a cylinder bore having a large diameter portion and a small diameter portion; means closing each end of said cylinder housing and providing connection to fluid conduits; a

piston reciprocal in said bore having a large diameter portion and a small diameter portion fitted respectively into said large and small diameter bore portions, said piston having a fluid passage extended axially therethrough; a tubular valve carrier slidably mounted in said passage and having an opening extending longitudinally there-

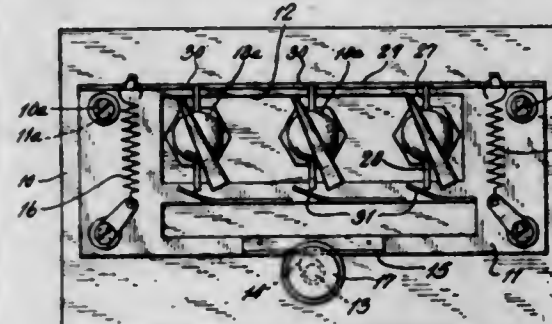


through; a check valve on said carrier normally closing said opening to positively prevent flow of fluid from said small diameter bore portion toward said large diameter bore portion; and spring means normally urging said piston toward the large diameter bore portion of said cylinder housing.

2,385,626

SWITCH CONTROL MECHANISM

John H. Horman, Tuckahoe, N. Y., assignor, by mesne assignments, to Smaller War Plants Corporation, New York, N. Y., a corporation of the United States
Application May 12, 1943, Serial No. 486,681
17 Claims. (Cl. 200-5)

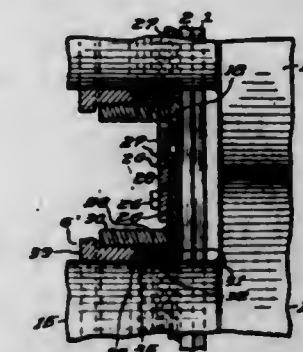


1. A device of the character described comprising a main switch element movable between a first and a second position, one or more auxiliary switch elements movable between first and second positions, means common to all said auxiliary switch elements for locking them in their first positions, and means effective upon movement of said main switch element from its first position into its second position to render said auxiliary switch element locking means inoperative.

2,385,627

MEANS FOR ROLLING SHEET METAL

Carl G. Jones, Youngstown, Ohio
Application May 23, 1942, Serial No. 444,218
6 Claims. (Cl. 80-41)



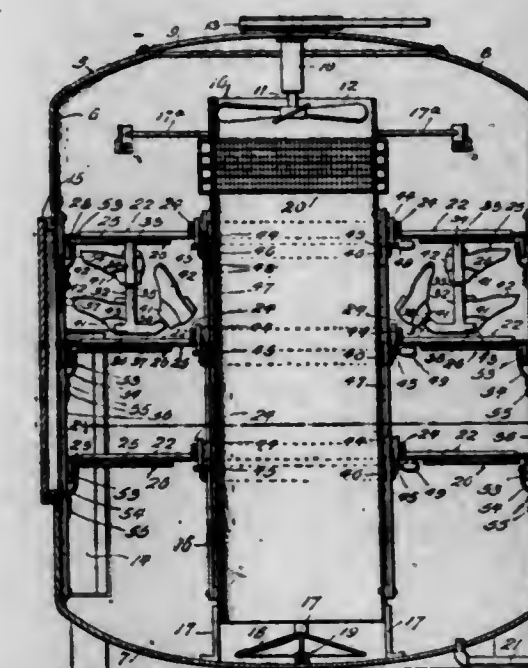
1. In mechanism of the class described, a reservoir having a wall, an apertured plate slidable with respect thereto, a roll in the reservoir having a neck projecting therefrom through the aperture, a gland fixed to the plate and surrounding the roll neck adapted to seal the plate and neck against the escape of fluid from the

reservoir, and a generally U-shaped clamping plate fixed to the reservoir and overlying the side and bottom edges of the apertured plate adapted to adjustably secure the latter to the wall.

2,385,628

FOOTWEAR VULCANIZER

Leo James Larkin, Gerald A. Larkin, and John J. Regan, La Crosse, Wis., assignors to La Crosse Rubber Mills Company, La Crosse, Wis., a corporation of Wisconsin
Application August 25, 1944, Serial No. 551,214
2 Claims. (Cl. 18-6)



2. A vulcanizer comprising a cylindrical pressure-tight casing having its axis disposed vertically, said casing having at least one door in its vertical side wall, means for admitting compressed air to said casing to place the articles to be vulcanized under pressure, a vertical cylindrical sleeve secured centrally in said casing to provide a vulcanizing space between said sleeve and said casing side wall, said sleeve having open ends spaced inwardly from the casing ends, circular horizontal openwork supports surrounding said sleeve to support articles to be vulcanized in said vulcanizing space, means rotatably mounting said supports in vertically spaced relation for rotation about the axis of said sleeve to facilitate loading and unloading of said supports through said door, an air-heating radiator extending across the upper end portion of said sleeve for heating the casing-contained compressed air to a vulcanizing temperature, and a rotary fan axially aligned with said sleeve and mounted over said radiator for circulating the hot compressed air downwardly through said radiator and sleeve and upwardly through said vulcanizing space.

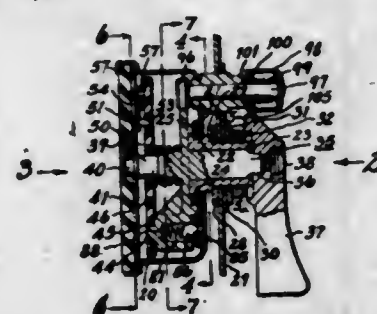
2,385,629

SWITCH

John W. Lawson, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 2, 1943, Serial No. 489,389
13 Claims. (Cl. 200-6)

1. In mechanism of the class described, a resable plunger; switch means having its axis paralleling the axis of the plunger and capable of rotating in either direction of rotation from a normal open position to a plurality of closed positions; contacts cooperating therewith; yieldable mechanism for holding the switch means in any one of its positions; and means carried by the

plunger cooperating with spaced abutments rotatable with the switch member to permit the switching means to move a certain distance in one direction of rotation to one of the closed positions but preventing the switch means from moving to another closed position in that same

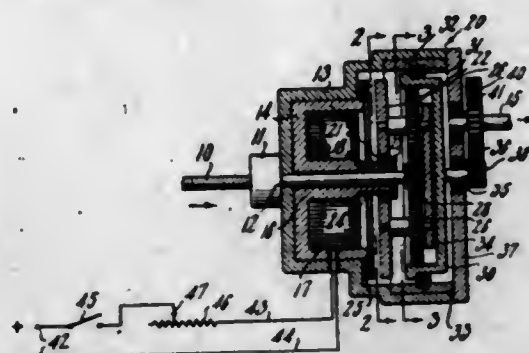


direction and preventing the switch means to move in the opposite direction from the normal open position, the displacement of the plunger means from engagement with the abutments permitting the switch means to rotate in either direction of rotation to any one of the closed positions.

2,385,630

VARIABLE DRIVE CONTROL

William P. Lear, North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Piqua, Ohio, a corporation of Illinois
Application August 17, 1943, Serial No. 499,008
8 Claims. (Cl. 74-289)



1. A drive system comprising a housing; a member mounted in said housing and having an elongated hub portion; a braking surface mounted in said housing; a driving shaft extending through said hub portion; a driving pinion on the extended end of said driving shaft; a pinion mounting plate rotatably mounted on said elongated hub portion; an internal ring gear mounted on a bearing secured in said housing; a plurality of planetary pinions rotatably mounted on said mounting plate and engaging said driving pinion and said ring gear; and means for urging said plate into frictional engagement with said surface and controlling the slippage between said plate and surface to vary the ratio of the speed of said ring gear to that of said driving pinion.

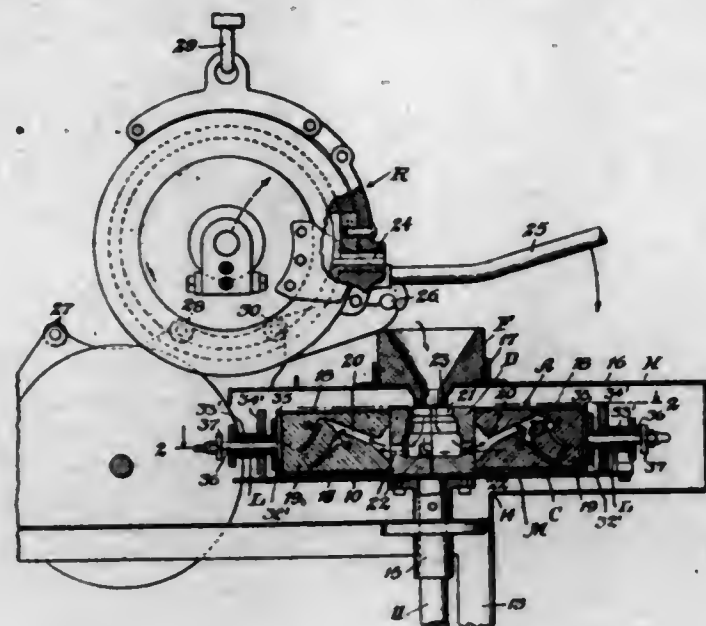
2,385,631

CENTRIFUGAL CASTING APPARATUS

Benjamin L. Levinson, Great Neck, N. Y.
Application January 29, 1943, Serial No. 473,897
10 Claims. (Cl. 22-65)

1. A centrifugal casting machine for casting metals and alloys, comprising a rotatable carrier, a separable distributor removably mountable centrally of said carrier, said distributor comprising a refractory vessel having an open charging mouth at its top and having a generally radially disposed channel at its side, a separable mold removably mountable in said carrier and arrangeable therein radially of said distributor, said mold having a mold cavity communicating with the distributor by way of its said channel, and radially adjustable means arranged in said carrier

at the outer end of said mold and having a part adapted to be moved into and out of engagement with said outer mold end for locking the distributor and the said mold in assembled relation

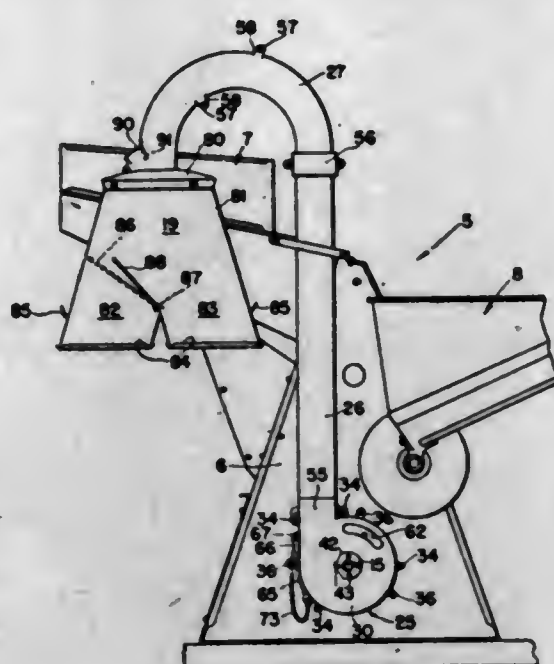


on said carrier, said radially adjustable means including a device responsive centrifugally for automatically moving said part into its said engagement to take up for shrinkage of the mold or distributor.

2,385,632

CENTRIFUGAL PROPELLING DEVICE

George R. Louthan, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 19, 1943, Serial No. 483,710
10 Claims. (Cl. 198-128)

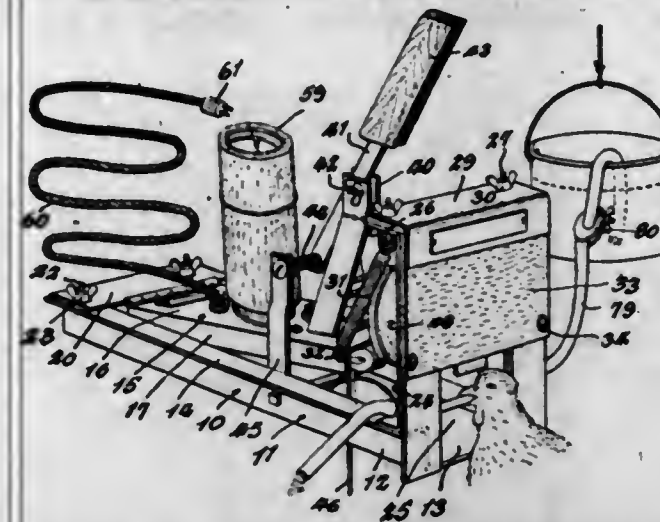


1. A centrifugal propelling device comprising in combination, a casing, a rotor mounted in said casing, means for feeding material into said casing axially of said rotor and a discharge duct extending tangentially upwardly from one side of said casing, said material being received at the center of said rotor and thrown by the latter upwardly through said duct, there being an aperture provided in said casing in the portion generally opposite said discharge duct and proximate to the periphery of the casing, through which aperture is discharged a portion of any material that is not properly propelled by said rotor through the discharge duct, thereby giving warning of said accumulation.

2,385,633

BEAK AND WING TRIMMER AND CAUTERIZER FOR FOWL AND THE LIKE

James Lyon, San Diego, Calif.
Application August 11, 1944, Serial No. 549,031
5 Claims. (Cl. 128-303.10)

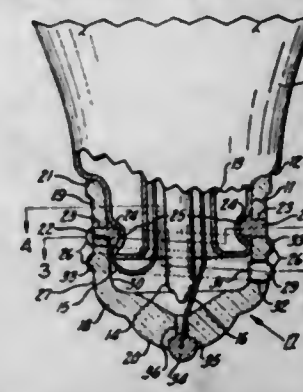


1. A beak and wing trimming device comprising an elongated horizontally disposed trough member, a carriage disposed within the trough and swingably mounted at one end spaced upright frame members at the opposite end of said trough, an anvil mounted rearwardly of the upright frame members and extending transversely of the trough, a heater unit mounted upon the free end of said carriage, including a heating coil, a blade carried by said heater unit in heat transfer relation to said heating coil, means for supplying electrical energy to said heating coil, means for moving the free end of the carriage downwardly to effect a cooperative relation between the anvil and said blade and means for returning said carriage to normal inoperative position.

2,385,634

BASE FOR ELECTRIC LAMPS OR SIMILAR DEVICES

John J. Malloy, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application July 21, 1943, Serial No. 495,790
5 Claims. (Cl. 176-32)



2. An electric lamp base comprising a cylindrical wall portion of insulating material with a helical screw thread of at least one full turn formed on its outer surface, and contact means consisting of a helically formed narrow metal band of at least one full turn conforming to the pitch of said screw thread and wrapped around the surface thereof, said band having inwardly bent ends anchored in cavities in said wall portion.

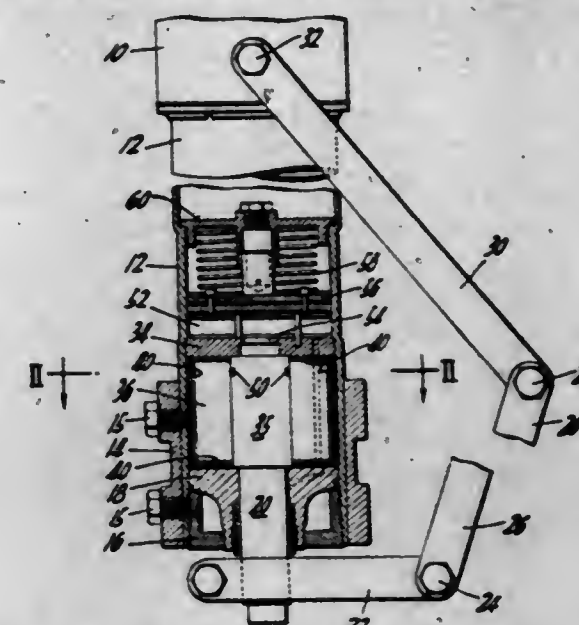
2,385,635

ANTISHIMMY DEVICE

Le Roy F. Maurer, Buffalo, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y.
Application April 28, 1943, Serial No. 484,822
4 Claims. (Cl. 188-93)

1. In a swivel control mechanism for a directionally turnable aircraft landing gear member

including a fluid carrying casing adapted to be connected to one portion of a pair of relatively turning elements of said landing gear member and a control piston adapted to be connected to the other portion of said turning elements to reciprocate relative to said casing upon reciprocal relative turnings of said elements, fluid sealing means carried by said piston compris-



ing a pair of strip members formed of resilient material carried in parallel spaced grooved portions of said piston extending transversely of the direction of piston movement to extend therefrom into fluid sealing slide bearing relation against said casing, said strip members being slotted inwardly from opposite sides thereof and diagonally in opposite directions from their casing contact surfaces.

2,385,636

PROCESS OF DISTRIBUTING INSECTICIDES

William R. McLain, Frank V. Miller, and Edwin H. Green, Huntsville, Ala.
Application November 11, 1943, Serial No. 509,914
1 Claim. (Cl. 167-40)



A process of producing and vaporizing or subliming arsenous oxide by igniting a mixture of fast-burning chemicals, which in turn initiates a reaction between arsenous oxide and powdered aluminum which comprise the main chemical charge and thus producing arsenic which is sublimed or vaporized by heat of the same reaction, and is oxidized to arsenous oxide upon contact with the air and thus acts as an insecticide.

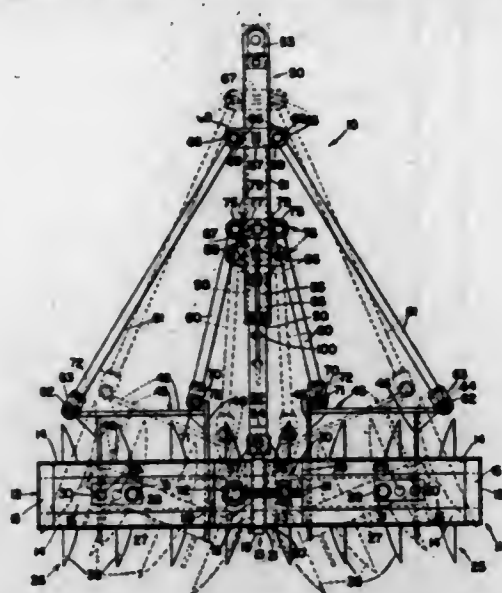
2,385,637

DISK HARROW

Rollie H. Mitchell and Thomas M. Thomas, Huntington Park, Calif., assignors to Killefer Manufacturing Corporation, Los Angeles, Calif., a corporation of California
Application December 2, 1943, Serial No. 512,656
9 Claims. (Cl. 55-81)

1. In a disk harrow, a transverse frame, which is rigid with respect to horizontally ap-

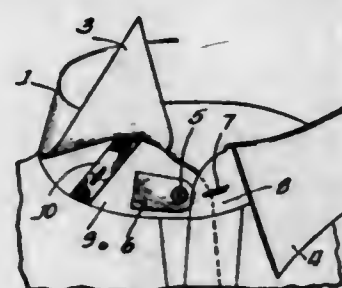
plied forces, a pair of laterally spaced gangs, means connecting said gangs to said frame providing for horizontal angling movement of said gangs, a forwardly extending tongue connected to said frame and comprising a pair of telescopically related forward and rear sections, a carriage slidable longitudinally on said tongue, a pair of draft links pivoted near the inner ends



of said gangs, respectively, a pair of draft links pivoted near the outer ends of said gangs, means pivotally connecting one of said pairs of links at their forward ends on the forward tongue section, means pivotally connecting the other pair of links at their forward ends on said carriage, and means for adjustably fixing said carriage to said forward tongue section in several longitudinally spaced positions relative thereto.

2,385,638

COLLARBAND CONSTRUCTION FOR SHIRTS
Doak Norwood, Chicago, Ill.
Application June 22, 1943, Serial No. 491,792
6 Claims. (Cl. 2-141)



1. In a shirt of the collar attached type, a neckband having a buttonhole at each end, and a flexible tab secured to the outer face of the neckband at one end in position to overlies one of said buttonholes, together with a button permanently secured to said tab on its outer face in position to lie substantially over said buttonhole, and means to hold the free end of the tab folded back against the neckband away from said buttonhole when the button of the tab is out of service.

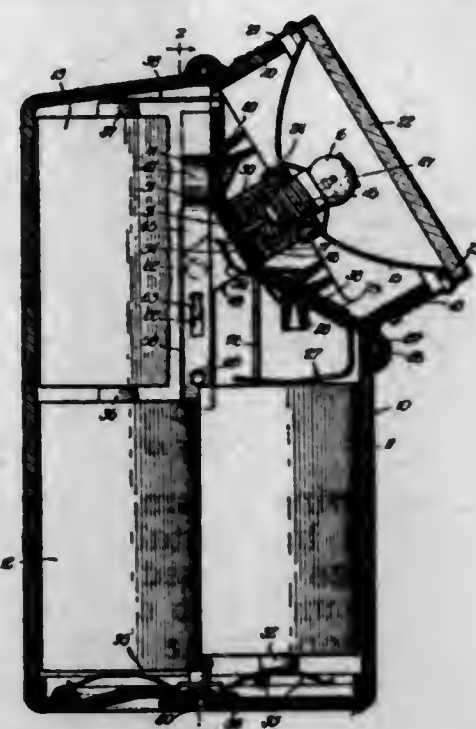
2,385,639

FLASHLIGHT

Charles S. Packer and Le Roy O. Brown, Chicago, Ill., assignors to Justrite Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 13, 1943, Serial No. 475,746
12 Claims. (Cl. 240-10.67)

8. In a portable flashlight, a casing of substantially oval shape in transverse section and including longitudinal portions for retaining battery cells, said casing having a top wall and a bottom wall, one longitudinal portion having a height greater than that of the other portion, the portion of greater height containing a plurality of

battery cells whereas the portion of less height contains a less number of cells, a partition extending diagonally downward from the top wall in alignment with and above the portion of less height, said partition dividing the casing into a cell compartment and a lamp compartment, a reflector supporting portion extending outwardly



from the partition, a lamp socket within the lamp compartment and supported by said partition, a conductor electrically connected to the lamp socket and extending through an opening in the partition into the cell compartment, and a member supported by said bottom wall and extending into said portions respectively for electrically connecting the battery cells in said portions.

2,385,640

PEN FLASHLIGHT

Charles S. Packer, Chicago, and Marvin R. Olsen, Glen Ellyn, Ill., assignors to Justrite Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 31, 1942, Serial No. 464,030
5 Claims. (Cl. 240-10.66)

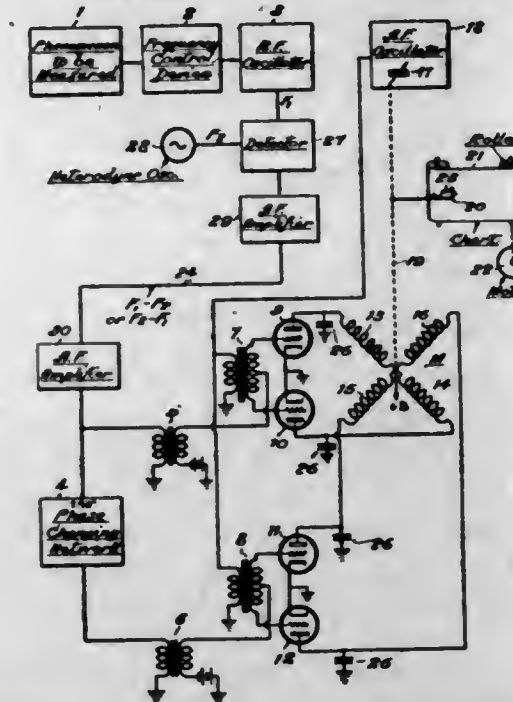


1. In a flashlight, a cylindrical battery casing of insulating material, a bulb cover also of insulating material having threaded connection with one end of the casing so as to form a closure for said end, a metal fastening clip releasably secured to the battery casing at the end opposite the bulb cover, said metal fastening clip providing electrical conducting means for the flashlight and extending exteriorly of the casing in a direction longitudinally thereof, a metal contact strip having location on the interior of the casing and also extending longitudinally in alignment with the clip from the bulb cover to substantially centrally of the length of the casing so as to underlie the terminal end of the fastening clip, securing means for the contact strip extending to the exterior of the casing in the vicinity of the fastening clip whereby said fastening clip and securing means form switch mechanism for the flashlight, and a contact ring carried by the bulb cover and having electrical connection with said contact strip, said contact ring having encircling relation with the bulb cover and including a part extending within the cover.

2,385,641

AUTOMATIC RECORDING SYSTEM

Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 11, 1942, Serial No. 430,347
2 Claims. (Cl. 234-1.5)

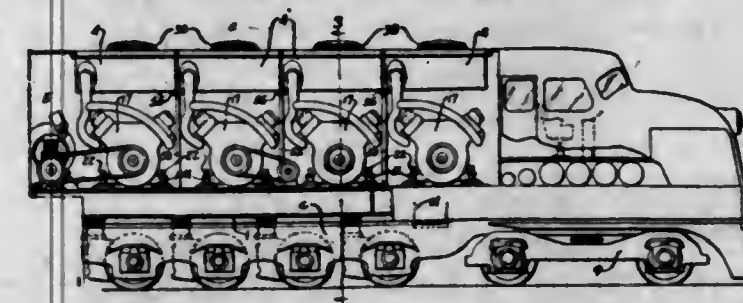


1. A system for recording variations in frequency from a norm, comprising means for producing an audio frequency current whose variations in frequency are to be recorded, a pair of balanced modulators, a line feeding said audio frequency current to said modulators, a phase changing network in said line for changing the phase of the energy fed to one balanced modulator by 90° relative to the energy fed to the other balanced modulator, a two-phase motor having its windings coupled to the outputs of said balanced modulators, a variable audio frequency oscillator having a frequency determining element linked to the rotor of said motor, said variable oscillator producing an audio frequency current having a frequency of the order of the audio frequency in said line, a circuit feeding energy from said variable oscillator to the inputs of said balanced modulators, and a recording device also linked to the rotor of said motor whereby an output beat frequency from said two balanced modulators caused by a difference in the frequencies of said variable oscillator and the output of said means produces rotation of said motor to change the frequency of said variable oscillator to match the frequency in said line, as a consequence of which said recording device indicates the degree of control employed on said variable oscillator.

2,385,642

CAB STRUCTURE FOR DIESEL ENGINES

Harry B. Peterson, Jr., Drexel Hill, Pa., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application June 27, 1942, Serial No. 448,817
7 Claims. (Cl. 105-35)



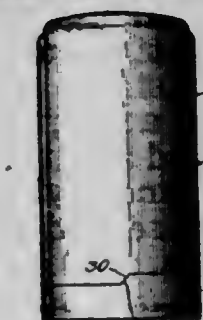
1. A cab structure for a locomotive of the type having a frame and a plurality of vertically removable engine power units mounted thereon comprising, in combination, cab side walls nor-

mally secured to said frame and extending for the full portion of the locomotive length that contains said plurality of power units, a cooling system for each of said engines formed as a self contained integral part of the respective power unit and superimposed over the same to form a roof section of the cab structure, said roof sections of the respective units extending from one side wall to the other in close transverse contiguous relation to each other and being vertically separable from the side walls and from each other, and sealing means interposed between said side walls and said roof sections whereby upon vertical removal of a power unit and roof section said sealing connection of such unit is automatically disconnected.

2,385,643

FEEDING DEVICE

Roland P. Place, Midland, Mich., assignor to Roland P. Place Co., a corporation of Michigan
Application March 30, 1944, Serial No. 528,680
6 Claims. (Cl. 206-56)

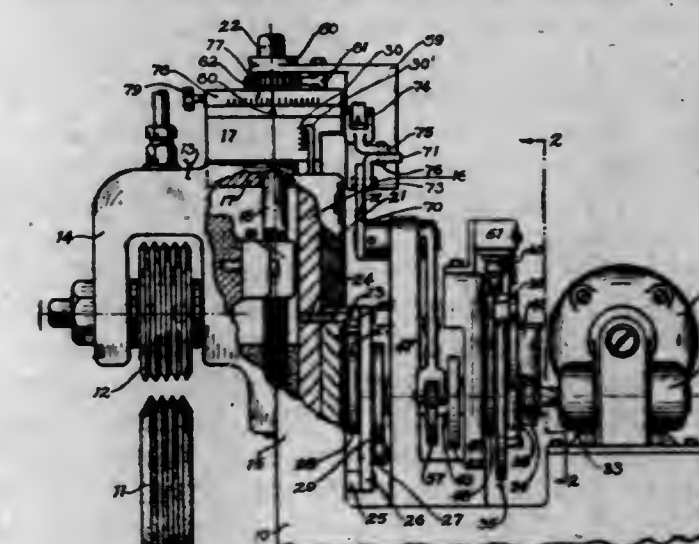


1. In a lipstick container or the like having a rotary feed cartridge including a base, a sleeve rotatably mounted on the base, and containing a cartridge fed by rotation of the sleeve with relation to the base, and having a cap in frictional engagement with the sleeve and abutting the base, and means common to the base and cap substantially preventing relative rotary motion of the cap and base only while the cap is in frictional engagement with the sleeve.

2,385,644

MACHINE TOOL

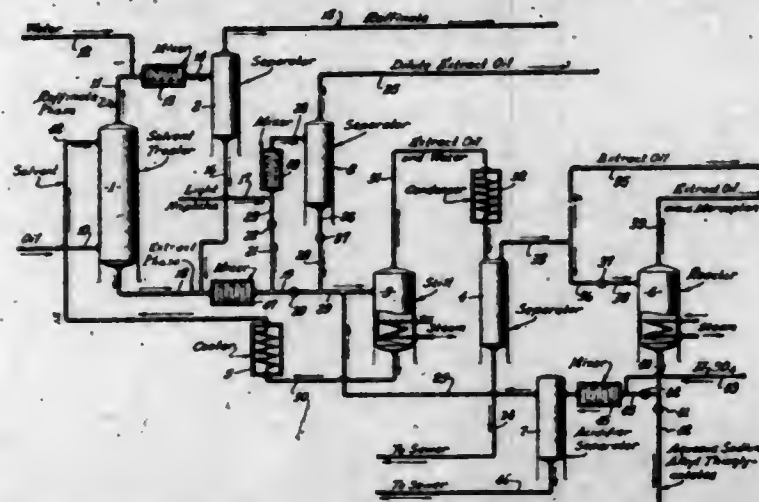
Louis F. Polk, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application April 26, 1943, Serial No. 484,580
18 Claims. (Cl. 125-11)



16. A grinding machine having a frame carrying a rotatable grinding wheel, driving means for operating said grinding wheel at a speed less than a normal grinding speed, a rotatable crusher wheel and means for automatically and sequentially causing approach of the axes of said wheels at a comparatively rapid rate, then initiate operation of said driving means, and then causing further approach of the axes of said wheels at a comparatively slow rate.

2,385,645

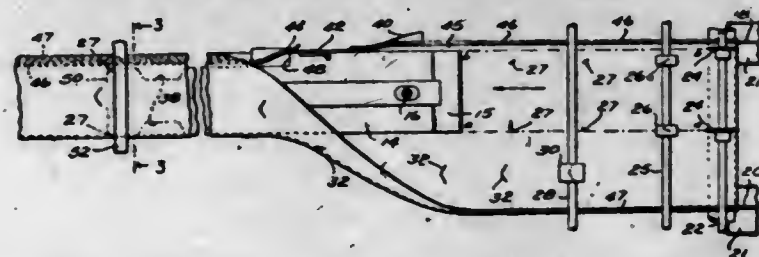
SOLVENT EXTRACTION OF MINERAL OILS
Orville L. Polly, Long Beach, and Alva C. Byrns, Palos Verdes Estates, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application August 14, 1942, Serial No. 454,758
13 Claims. (Cl. 260-674)



1. A process for the separation of a hydrocarbon mixture into fractions of different types which comprises extracting said mixture with a selective solvent comprising a thioether in which at least one carboxylic acid group is substituted for a hydrogen atom, and a salt of said substituted thioether as a solvent modifying agent, thereby forming a raffinate phase and an extract phase, and separating said phases.

2,385,646

METHOD OF MAKING ALBUM BAGS
George W. Poppe, Brooklyn, N. Y., assignor to Equitable Paper Bag Co. Inc., Long Island City, N. Y., a corporation of New York
Application April 28, 1942, Serial No. 440,812
4 Claims. (Cl. 93-35)



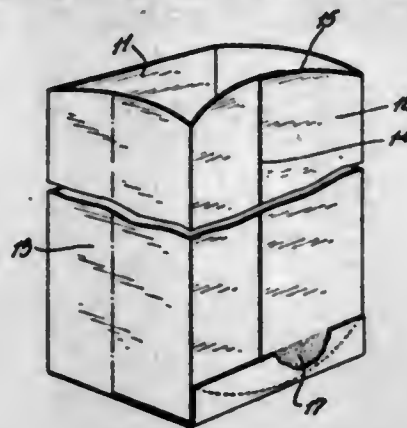
1. The method of making album bags which includes making pairs of transversely spaced oblique slits in a continuously advancing web of paper and within the margins thereof, said pairs of slits being spaced apart longitudinally at bag section intervals, folding the web to form a tube, one edge of which is coincident with the divergent ends of one longitudinal set of slits and the other edge of which is spaced from the divergent ends of the remaining longitudinal set of slits, interjoining the web margins, severing one wall of said tube by two transverse cuts, one of which extends from said other tube edge to the divergent end of the adjacent slit, and the other of which connects the convergent end of said slit with the convergent end of the other slit constituting a pair, and severing the other wall by a transverse cut in line with the divergent ends of said pair of slits.

2,385,647
BAG

George W. Poppe, Brooklyn, N. Y., assignor to Equitable Paper Bag Co. Inc., Long Island City, N. Y., a corporation of New York
Application December 3, 1943, Serial No. 512,704
1 Claim. (Cl. 229-57)

A bag consisting of a bellows fold tube having a front wall and a back wall, said bellows

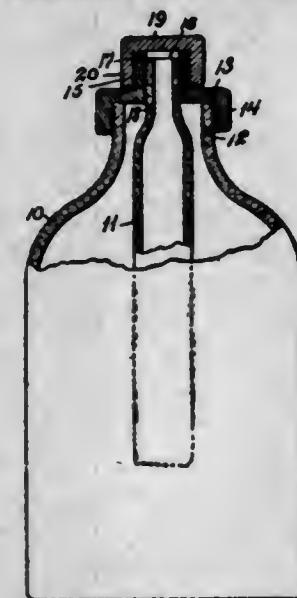
folds and one of said walls being formed at the top edge with lips and at the bottom edge with corresponding recesses exposing a portion of the inner surface of the remaining wall, said tube being folded at one end about a line transverse thereof more removed from the apex of said



wall recess than the depth of the bellows fold into contact with said one wall to form a flat bag bottom when the tube is open with a portion of the tube extending beyond, and adhesive applied between said one wall and that portion of said tube extending beyond the edge of the bag bottom.

2,385,648

DOUBLE CONTAINER
Martin Prager, Irvington, N. J.
Application June 16, 1944, Serial No. 540,689
1 Claim. (Cl. 215-6)



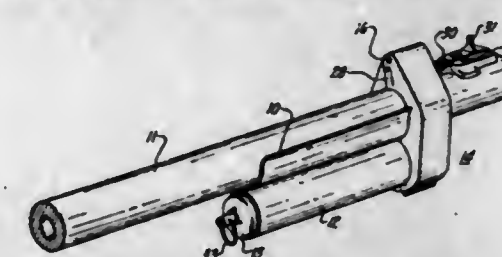
A double container comprising a main bottle having an externally screw threaded neck portion, a cap having a screw threaded flange fitting over said neck portion, an upwardly projecting tubular medial boss on the cap, said boss being provided with an internally threaded axial aperture co-extensive therewith, and of uniform diameter throughout its length, said boss having screw threads on its outer surface, a small bottle having an externally screw threaded neck threadedly engaging the internally threaded aperture of said boss and adapted to be suspended in the main bottle by such threaded engagement of the neck of the small bottle with said boss, and a second cap having an internally screw threaded flange engaging the externally screw threaded portion of the boss, said second cap forming a closure for the top of the small bottle.

2,385,649

FIREARM SIGHT
Gwilym F. Prideaux, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application December 3, 1942, Serial No. 467,749
5 Claims. (Cl. 33-47)

1. An illuminated sight for a firearm, said light comprising in combination, a light source, a body

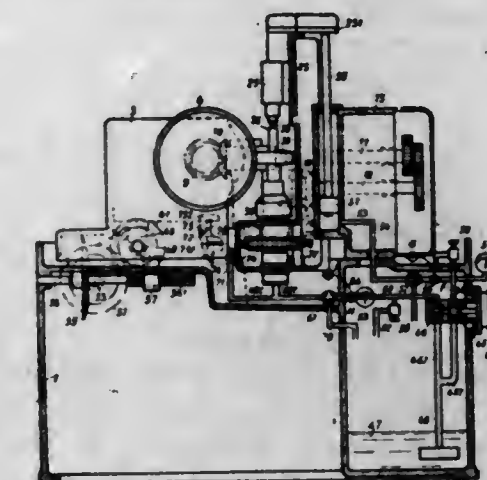
of light pervious material which appears luminous when irradiated by said source and an opaque enclosure for said source and said material, said enclosure comprising a housing for said material and a casing for said light source, said housing comprising a pair of separable jaws for clamping



about the barrel of said firearm and a portion of said casing, said material being separable into parts conforming approximately to the shape of said jaws, said housing having an aperture which, when the sight is in position, is in alignment with the normal sight line of the firearm.

2,385,650

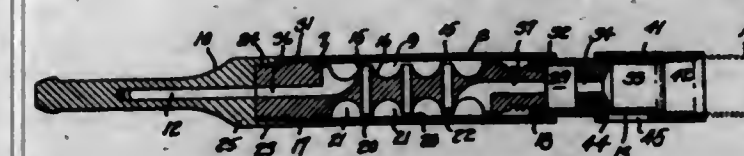
PROCESS AND MACHINE FOR GRINDING TOOTHED GEARS
Alfred Rickenmann, Kusunacht, Zurich, Switzerland
Application May 22, 1944, Serial No. 536,700
In Switzerland January 28, 1944
8 Claims. (Cl. 51-71)



3. In a grinding machine of the type described, the combination of, a helical-profile rotary worm-like grinding tool, means to positively drive said grinding tool while in intermeshing engagement with the teeth of a workpiece to be ground, an arbor on which said workpiece is adapted to be fixedly secured, means for supporting said arbor freely rotatably so that the workpiece is adapted to be rotated by the rotating grinding tool, a positively driven gearing adapted to drive said arbor and the workpiece thereon with the same speed the latter is driven by said grinding tool, and a selectively operable clutch for positively driving said arbor by said gearing, said clutch having a driven member which is attached to said arbor and a driving member connected to said gearing.

2,385,651

CIGARETTE HOLDER OR PIPESTEM
James R. Bicketts, Yountville, Calif.
Application June 22, 1942, Serial No. 448,039
1 Claim. (Cl. 131-182)

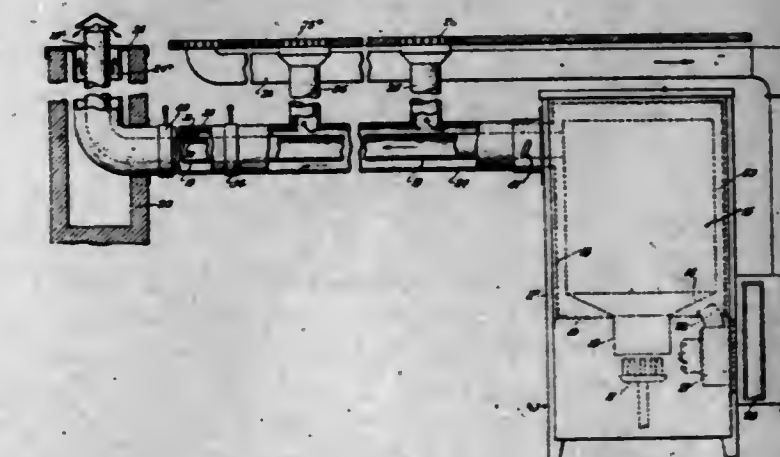


In a device of the character described, a body member having an internal smoke passage and formed with a cylindrical exterior wall surface,

and a reduced cylindrical outer wall spaced longitudinally of and adjoining said first wall surface, said second wall providing a cigarette holding portion at an end of said body and formed with a bore for receiving a cigarette of a given diameter, and communicating with said smoke passage, said bore terminating adjacent the open end in outwardly flared internal walls providing with the ends of the walls a relatively narrow annular shoulder, a sleeve slidably mounted on said cigarette holding portion for movement longitudinally thereof, and having a cigarette receiving bore of greater diameter than said first bore, said second bore terminating adjacent the open end in outwardly flaring internal walls which provide with the open end of the sleeve a relatively narrow annular shoulder, said sleeve being retractible on said first cigarette holding portion to substantially conceal the sleeve bore and being extendible on said portion to expose said bore for operative reception and retention of a cigarette therein, said sleeve and holding portions being also formed and arranged whereby on retraction of said sleeve from extended position a cigarette operatively engaged in said sleeve bore will be ejected therefrom, the outer wall of said sleeve being cylindrical and of the same diameter as said wall surface of said body member, whereby in the retracted position of said sleeve, said sleeve will form a continuous and corresponding extension of said member, and the inner surface of said sleeve and said reduced cylindrical surface of said cigarette holding portion being formed to engage each other throughout their length in the retracted position of said sleeve, and cooperating means on said sleeve and cigarette holding portion for limiting the movement of said sleeve in the extended and retracted positions, and for preventing rotation of said sleeve.

2,385,652

HEATING APPARATUS
William V. Riffe, Chicago, Ill.
Application March 25, 1942, Serial No. 436,097
2 Claims. (Cl. 237-55)

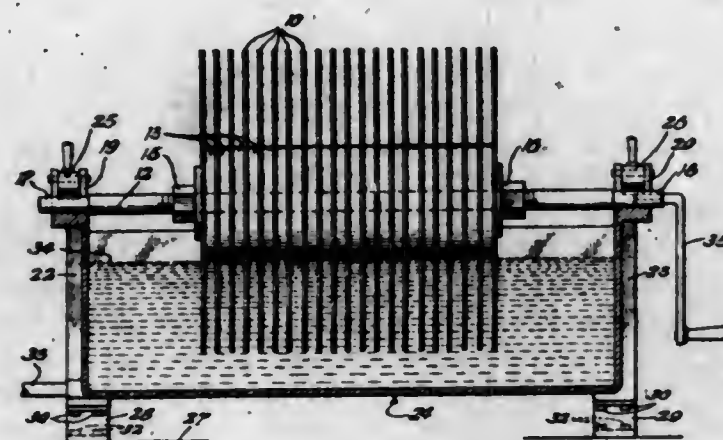


1. Heating apparatus comprising a burner, a radiator into which the products of combustion pass from the burner, a flue extending from the radiator to a place of discharge, a casing enclosing said radiator, a duct extending from the casing and enclosing said flue substantially throughout the length of the latter in spaced relation with respect thereto and provided with a closure member at the discharge end of the flue, one or more heat distributor conduits extending from said duct in spaced relation therealong, means for forcing air to be heated into said casing and along said duct and through said conduit or conduits, and means for directing air under pressure from the duct into said flue at a point between the conduit most remote from the casing and the closed outer end of the duct.

2,385,653

PROCESS OF MAKING RECORD

David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application March 12, 1941, Serial No. 382,951
4 Claims. (Cl. 117-113)

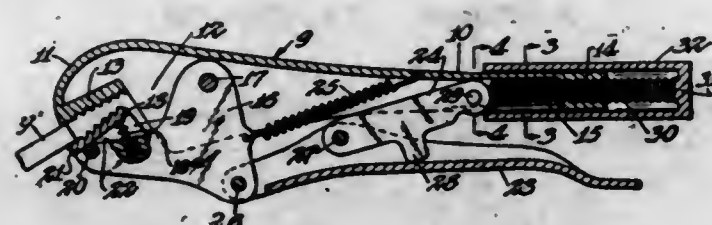


4. The process of making record blanks for the recording and reproduction of sound which comprises the steps of dipping a record matrix edge-wise into record coating lacquer to a predetermined depth and rotating the matrix about its center while dipped to said predetermined depth, baking the dipped matrix and repeating the steps of dipping to a predetermined depth, rotating and baking until a coating of baked lacquer of predetermined thickness is accumulated on the matrix.

2,385,654

WRENCH

Gunnar F. Seashore, Minneapolis, Minn.
Application May 5, 1943, Serial No. 485,717
1 Claim. (Cl. 81-94)

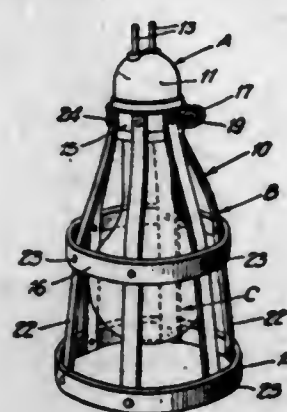


In a wrench, a relatively fixed jaw, a relatively movable jaw pivotally connected to the fixed jaw for swinging movements with respect thereto, one of said jaws having a relatively fixed gripping surface and the other thereof carrying a movable gripping plate having a gripping surface for cooperation with the gripping surface of the other jaw, said relatively movable gripping plate being pivoted to its respective jaw for rocking movements thereon in the plane of movement of the movable jaw, the axis of the pivot of the gripping plate being located outwardly of the rear end of the gripping plate by a distance approximately equal to $\frac{3}{4}$ of the length of the gripping plate, the under surface of the gripping plate being relatively flat and the cooperating jaw being formed with substantially flat stop surfaces extending oppositely from said pivot and at an angle to each other for engagement with the said flat surface of the gripping plate, the said flat surfaces of the jaw being substantially tangent with the periphery of the gripping plate pivot, and the said flat surface of the gripping plate also being substantially tangent with the periphery of the said pivot.

2,385,655

SAFETY LAMP GUARD

William Schmieder, Ridgewood, N. Y., assignor to Alexander J. Heidt, New York, N. Y.
Application April 24, 1943, Serial No. 484,323
1 Claim. (Cl. 240-102)

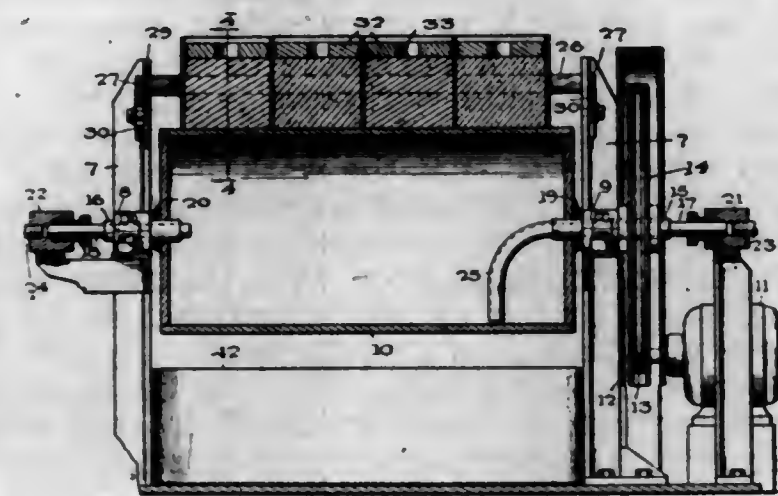


In a lamp having a lamp receiving socket provided with an exterior annular channel, a lamp guard including an inner split resilient fibre ring and rigid spaced apart continuous fibre rings, all of the rings being in substantially concentric relation, flat fibre strips flatly fitting against the outer side of the split ring and flatly fitting against the continuous rings, metal rivets passing through the rings and strips for securing the same together, and enlarged inwardly projecting heads provided on the inner ends of those rivets passing through the split ring and strips, said split ring being contracted about said socket with the enlarged heads being snugly disposed in said channel for interlocking with the opposed walls thereof, and fastening means carried by the ends of the split ring for securing the same in contracted position about the socket.

2,385,656

BLOCK GREASE TESTING APPARATUS

Herschel G. Smith, Wallingford, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 12, 1945, Serial No. 582,401
6 Claims. (Cl. 73-10)

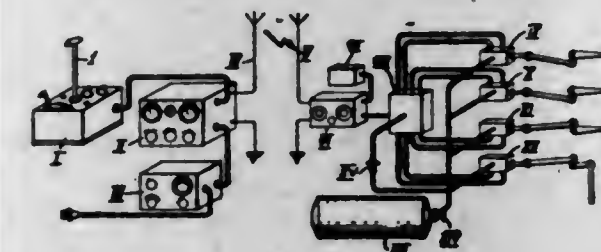


1. A block grease testing machine comprising a hollow cylindrical drum, means for rotating said drum, means for circulating a heating fluid through the drum for maintaining the temperature of the drum substantially uniform and constant, means for supporting a plurality of blocks of block grease in juxtaposition adjacent the drum and in rubbing engagement with the cylindrical surface of the drum, and a scraper blade in scraping engagement with the drum adapted to substantially completely remove grease from said surface, whereby reworking of the grease on subsequent rotation of the drum is avoided.

2,385,657

ELECTRICAL REMOTE CONTROL

Oskar Stettler, Zurich, Switzerland, assignor to Philips Lampen A.-G., Zurich, Switzerland, a corporation of Switzerland
Application September 3, 1942, Serial No. 457,241
In Switzerland May 17, 1941
18 Claims. (Cl. 177-353)

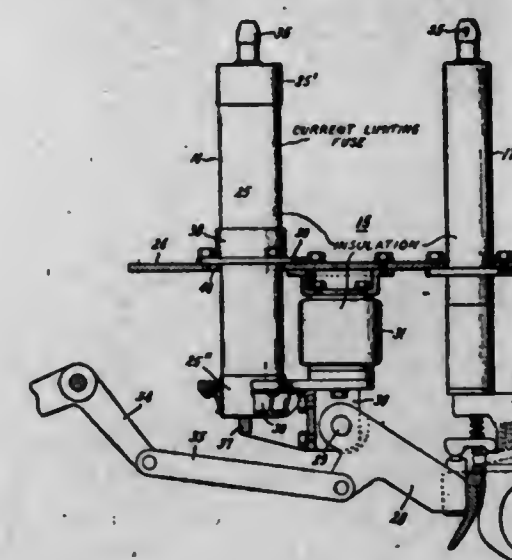


1. Apparatus for remotely controlling the position of an element in synchronism with the movement of a control member, comprising a source of alternating voltage, means to vary said voltage smoothly and proportionally to the change in the position of said control member, means to transmit the so varied voltage, an electrically operable vibratory member responsive to the said varied voltage the amplitude of the vibration of said member being variable in accordance with the variations of the voltage, a gas column having an inlet port and an outlet port, a source of gas under pressure connected to said inlet port, a valve movable relatively to said outlet port the valve being actuable by said vibratory member and being adapted to vary the pressure of said gas column in a smooth and continuous manner and proportional to the amplitude of movement of said vibratory member, and means actuated by variations in the pressure of said gas column for controlling the position of said element.

2,385,658

CIRCUIT-INTERRUPTING DEVICE

Harold E. Strang, Ardmore, George M. Reed, Upper Darby, and Leonard J. Linde, Drexel Hill, Pa., assignors to General Electric Company, a corporation of New York
Application March 20, 1942, Serial No. 435,464
7 Claims. (Cl. 200-114)

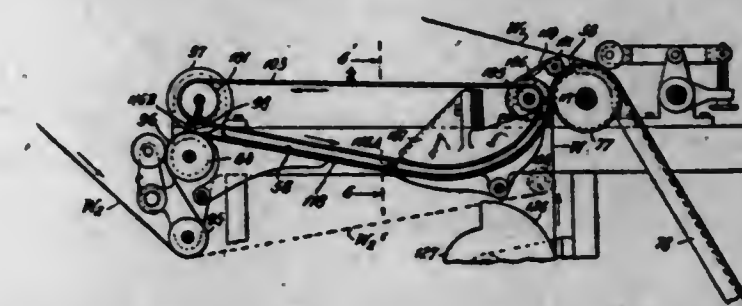


7. In an electric circuit interrupter, a pair of relatively movable contacts for making and breaking an electric circuit through said circuit interrupter, and a pair of insulated conductors each connected to one of said relatively movable contacts and each constructed so as to form a stud for connection with an associated electric circuit, one of said studs comprising a high speed fuse so as to provide means for interrupting fault currents above the value capable of being safely interrupted by the relatively movable contacts of said circuit interrupter.

2,385,659

WEB ACCELERATING MECHANISM

Isidor Tornberg, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia
Application April 26, 1943, Serial No. 484,635
14 Claims. (Cl. 270-11)

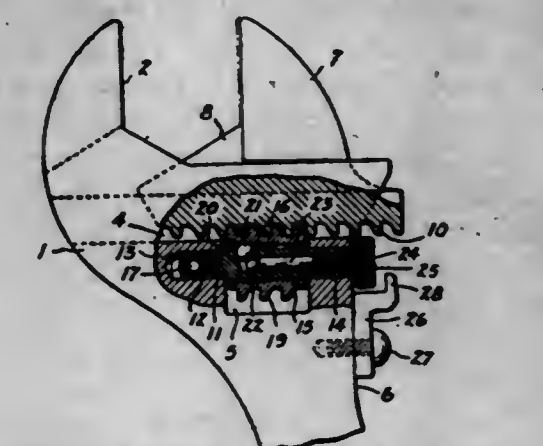


9. In apparatus of the character described, in combination with at least one main web and a supplemental web, means for propelling the main web at full speed and means for propelling the supplemental web at a lower speed, means for cutting sheets from the supplemental web and feeding them into contact with the main web comprising a cutting couple including a pair of cylindrical members, at least one endless flexible conveyor element traveling at uniform velocity over a rotatable element concentric with and adjacent one of the cylindrical members of said cutting couple and over a second rotatable element spaced from said cutting couple, means for guiding the span of said conveyor element traveling away from said cutting couple along a curved path of progressively decreasing radius of curvature terminating in said second rotatable element, sheet engaging means on said conveyor element extending radially outwardly therefrom for engaging a sheet of said supplemental web cut by said cutting couple adjacent its leading edge and accelerating such sheet as said conveyor element passes along said curved path, means for moving said main web adjacent said second rotatable element, and means for transferring a sheet of said supplemental web from said sheet engaging means into contact with said main web when the portion of said conveyor element carrying said sheet engaging means has reached said second rotatable element.

2,385,660

LOCKING WRENCH

William I. Truby, Cleveland Heights, Ohio
Application December 11, 1943, Serial No. 513,839
5 Claims. (Cl. 81-165)



1. A wrench comprising a jaw carrying member having a rack and guide portions parallel to the rack, a second jaw carrying member having a guideway to receive the guide portions of the first member, a shaft mounted in fixed position in said second member parallel to said guideway and having an opening facing said guideway, a worm loosely and rotatably mounted on said shaft and meshing with said rack, a member

mounted in said shaft within said worm for radial movement in said opening toward said rack, and means for actuating said member to engage the same with the interior of the worm and press said worm against said rack.

2,385,661

POLYMERS FROM DIOXANE

Gordon T. Vaala, Wilmington, Del., and Robert B. Carlin, Champaign, Ill., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 21, 1942,
Serial No. 462,830

6 Claims. (Cl. 260-2)

1. A process for producing polymeric materials which consists in cleaving with an acidic material containing an anion of a strong acid selected from the class consisting of chlorides of saturated fatty acids containing no more than four carbon atoms and hydrogen chloride, a six-membered heterocyclic ring selected from the class consisting of 4-methyl-1,3-dioxane and 1,3-dioxane, then polymerizing the cleavage products with a Friedel-Crafts catalyst, the aforesaid reactions being carried out at temperatures between about 25° C. and about 200° C. and in the presence of the cleavage catalyst and of the polymerization catalyst.

2,385,662

DEICING MEANS

Bernard Vonnegut, Boston, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application July 3, 1943, Serial No. 493,386
10 Claims. (Cl. 244-134)



1. A propeller blade having deicing means comprising thin sheet material more stretchable than ice disposed around the leading edge of the blade and covering at least a portion of the thrust and camber faces of the blade, said material being secured marginally along lines radially of the blade and at intervals transversely to provide a plurality of independently stretchable ice intercepting surfaces adapted under the influence of centrifugal force on the ice to shed said ice through the action of progressive concentrated stress in shear.

2,385,663

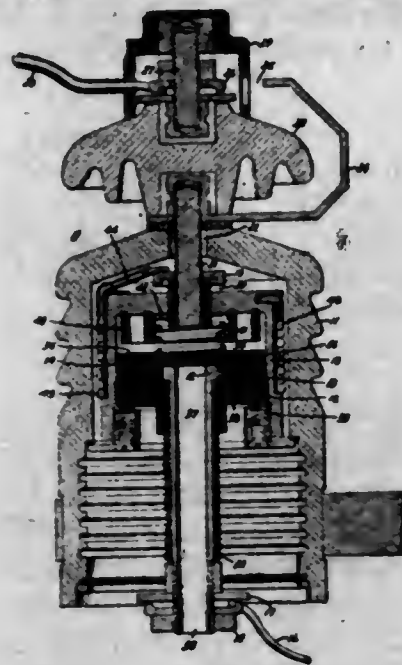
PROTECTIVE DEVICE

Elmer J. Wade, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application May 9, 1942, Serial No. 442,337
14 Claims. (Cl. 175-30)

1. A protective device including a pair of electrodes, relatively movable members defining an arc path through which an arc may strike between said electrodes, means defining a vent opening communicating with said arc path, and

means defining a gas reservoir communicating with said arc path, said gas reservoir communicating with said arc path at a point removed from said vent opening communicating means so that gas formed during arcing may flow into said reservoir during increasing current values and

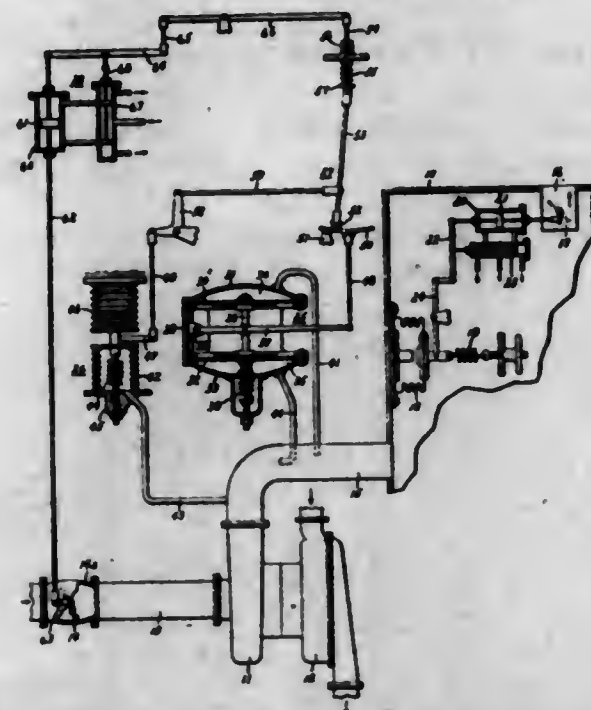


flow from said reservoir over said arc path during decreasing current values, and means including the pressure of gas in said gas reservoir for biasing said relatively movable members toward each other to limit the area of the arc path during operation of the device.

2,385,664

CABIN SUPERCHARGER ARRANGEMENTS

Donald F. Warner, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application August 19, 1941, Serial No. 407,443
1 Claim. (Cl. 137-153)

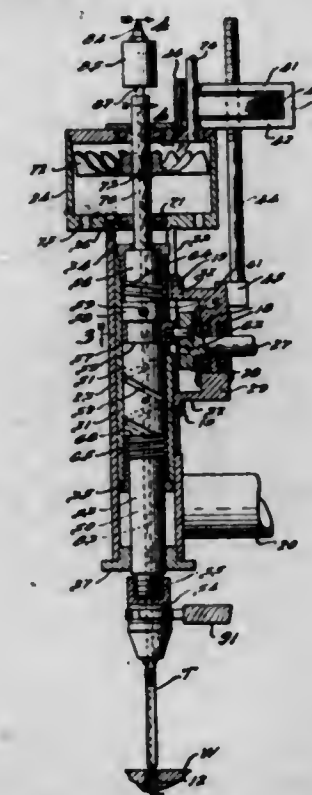


The combination of a conduit for conducting a compressible medium, a control valve in the conduit, and a mechanism for controlling the control valve in response to changes of the product of the flow and the pressure of the compressible medium in the conduit, said mechanism including a fulcrumed lever having a circular cylindrical surface, a link with a roller connected to one end and engaging the circular surface, means pivotally connected to the other end of the link, the length of the link with the roller being substantially equal to the radius of the lever, a device responsive to pressure changes of the medium being pivotally connected to an intermediate point of the link, and another device responsive to changes of flow of the medium being pivotally connected to the lever.

2,385,665

ELECTRICAL DEVICE

Charles W. Warwick, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application May 31, 1943, Serial No. 489,227
10 Claims. (Cl. 219-15)

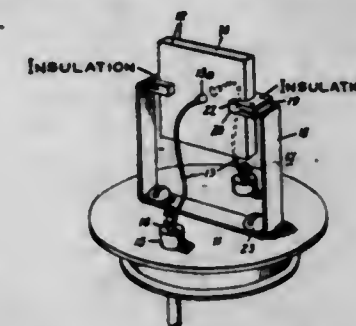


2. In an electrical device, the combination with a hollow work spindle, of means for feeding a heating current thereto, means for feeding air under pressure to said spindle, means for moving the work spindle toward the work, means for longitudinally vibrating the spindle, and means for rotating said spindle as it vibrates.

2,385,666

CRYSTAL MOUNTING

Raymond J. Watrobski, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application January 30, 1943, Serial No. 474,215
4 Claims. (Cl. 171-327)



1. In combination with a piezoelectric crystal having metallic coatings formed integrally with each of two opposite faces and having a pair of slots inwardly directed from opposite edges of said crystal along a nodal line across said crystal, a pair of conductors having one end of each attached to one of said coatings on said nodal line, and resilient means for supporting said crystal solely by interlocking engagement with said slots.

2,385,667

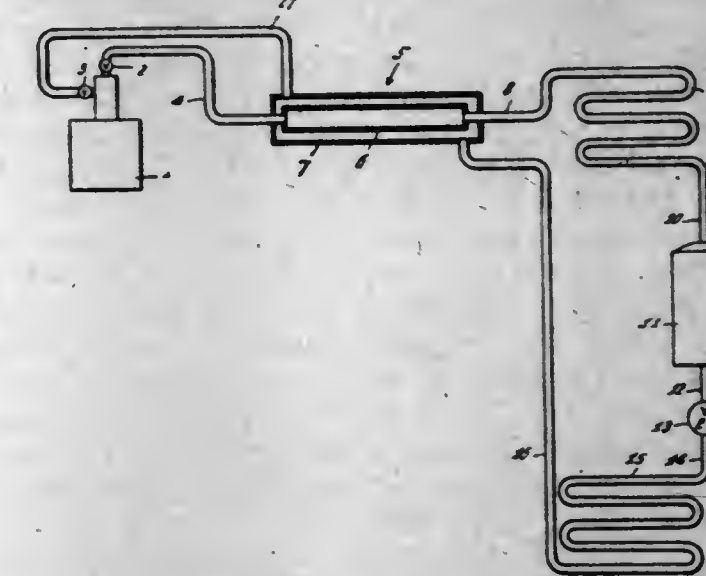
REFRIGERATING SYSTEM

Robert C. Webber, Indianapolis, Ind.
Application August 24, 1944, Serial No. 550,917
5 Claims. (Cl. 62-115)

1. In a refrigerating system including a compressor, a condenser, and an evaporator, conduit means for leading fluid from said compressor to said condenser, conduit means for leading fluid from said condenser to said evaporator, and con-

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duit means for leading fluid from said evaporator to the intake of said compressor, said last-

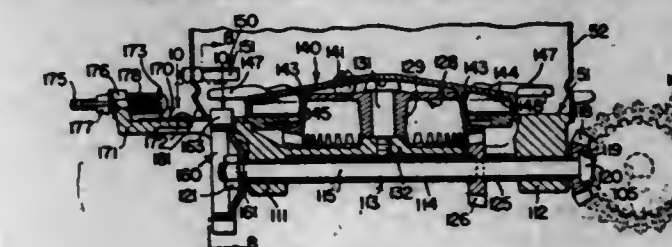


named conduit means being arranged in heat-exchanging relation to said first-named conduit means.

2,385,668

PLANTER

Charles H. White, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 13, 1942, Serial No. 442,833
22 Claims. (Cl. 222-236)

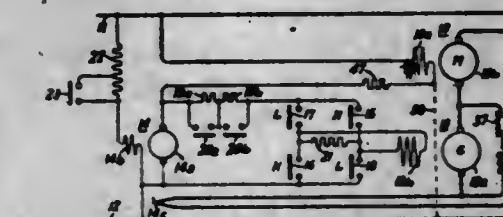


1. In a cotton planter, a hopper, a hill-drop wheel having at least one seed-receiving cell adapted to receive a plurality of seed therein, a plate mounted for rotation in the hopper and having fingers with faces so angled with respect to the rotation of the plate that seed are forced generally downwardly into and compacted in the cell of said hill-drop wheel, and means cooperating with said angled fingers for directing seed generally laterally into said seed cell.

2,385,669

CONTROL SYSTEM

Max A. Whiting, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 27, 1944, Serial No. 519,929
14 Claims. (Cl. 172-152)



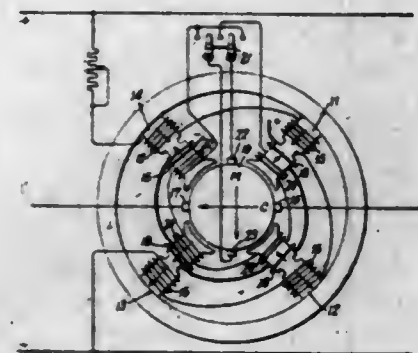
14. A control system comprising in combination, a source of substantially constant voltage, an electric motor having a field winding connected to said source, means for supplying a voltage to the armature of said motor comprising a variable voltage generator provided with a field winding, means for varying the excitations of both said field windings to effect operation of said motor at a speed that varies in inverse relationship to load for motoring loads and overhauling loads comprising a dynamoelectric machine having its armature connected between said motor field winding and said source to oppose the volt-

age of said source and having connections to said generator field winding, said exciter having a bi-polar armature and four pole pieces two on each side of the brush axis, a main separately excited field winding for magnetizing the pole pieces on one side of said brush axis to one polarity and those on the other side to the opposite polarity and magnetizing all of said pole pieces to a substantial degree of saturation, and an auxiliary winding on said pole pieces excited by the armature current of said motor for acting cumulatively with said main winding on two diametrically opposite poles on opposite sides of said brush axis and differentially with the main windings on the other two pole pieces thereby to cause said exciter to generate a voltage that varies in inverse relationship to said armature current for either polarity of said current.

2,385,670

DYNAMOELECTRIC MACHINE

Max A. Whiting, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 19, 1944, Serial No. 523,048
22 Claims. (Cl. 171-223)



1. A generator having an armature and a separately excited reference field exciting winding, means including a second field exciting winding arranged to produce a component of excitation in quadrature with the component of excitation produced by said reference field exciting winding, and means for energizing said second field exciting winding responsive to armature load current for varying the output voltage of said generator in inverse relationship to the current of said second field winding for either direction of flow of said current.

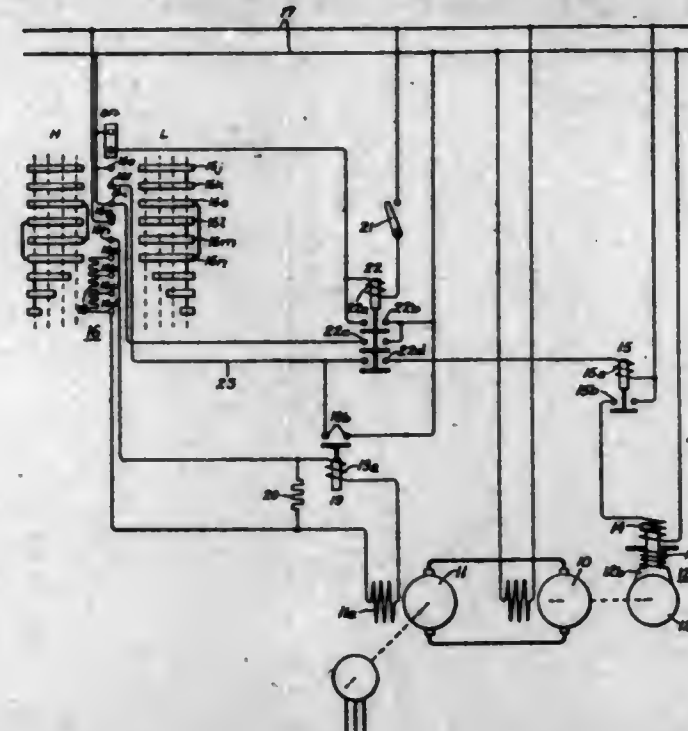
2,385,671

CONTROL SYSTEM

Max A. Whiting, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 3, 1944, Serial No. 524,931
7 Claims. (Cl. 172-179)

7. A control system comprising in combination an electric motor, braking means for said motor, means for supplying a voltage to said motor comprising a generator provided with a field winding, a multi-position master switch having an off position, a low speed running position and a high speed running position, means controlled by said master switch for limiting the current in said field winding to a relatively low value in response to operation of said master switch to said low speed position and for increasing said field current to a relatively high value in response to operation of said switch to said high speed position, means controlled by said master switch in the off position for applying said brake, means responsive to operation of said master switch to any of said running positions for releasing said

brake, and an electroresponsive device responsive to said relatively high value of generator field current for delaying the application of said brake in response to return of said master switch from said high speed position to said off position until said field current has decayed to a predetermined

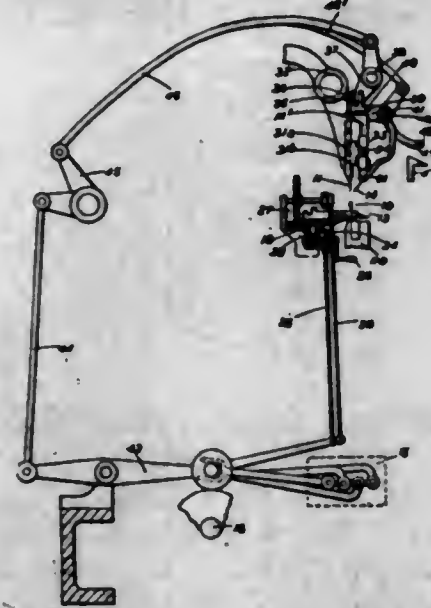


low value and unresponsive to said relatively low value of generator field current thereby to provide for setting of said brake without delay in response to return of said master switch to said off position from said low speed position in an operation in which said generator field current has not exceeded said relatively low value.

2,385,672

MACHINE FOR KNITTING HOSIERY

Herbert Edward Woodcock, Hawick, Scotland, assignor to William Cotton, Limited, Loughbough, Leicestershire, England
Application April 14, 1944, Serial No. 531,011
In Great Britain January 1, 1943
5 Claims. (Cl. 66-89)



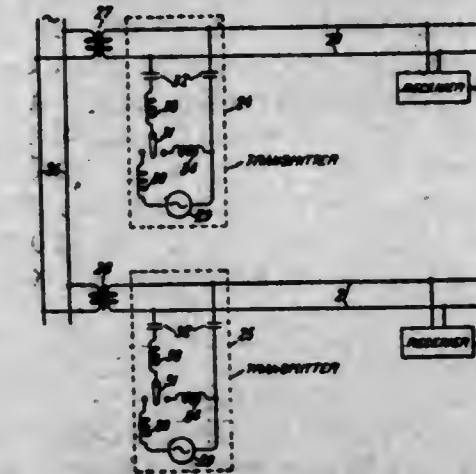
1. In a straight bar knitting machine of the type organized for the production of stocking or like blanks with heel tabs, said machine being equipped with needles, including a central group of instep needles, and with two sets of transfer points: the combination of means for temporarily suspending knitting operations on the instep needles while said needles continue to hold their loops and the knitting of heel tabs proceeds on needles beyond the ends of the group of inactive needles; means for operating the transfer points periodically to transfer progressively outwards at least the inner margins of the heel tabs; means for simultaneously making a corresponding increase in the number of temporarily-inactive

needles that are comprised in the periodically widening central group; auxiliary points at the inner ends of the sets of transfer points; operating means for causing the auxiliary points to transfix the previously-knitted fabric at the plain side of the needles and to position it for reception by the needles that are progressively rendered inactive so that said needles thereafter retain fabric; and means for causing the needles of said widened group to resume knitting, after the production of the desired heel tab length, and to produce further fabric the first course of which is united to the inner margins of the heel tabs.

2,385,673

CARRIER CURRENT SYSTEM

John L. Woodworth, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 27, 1943, Serial No. 496,299
7 Claims. (Cl. 177-352)



1. In a carrier current system for a power system including a plurality of feeders, a carrier current receiver permanently connected to each said feeder, a separate carrier current transmitter associated with each said feeder, and means including a resonant circuit tuned to the carrier current frequency for selectively connecting each said transmitter to the associated feeder at a point intermediate the connected receiver and power system, the resonant circuits associated with non-selected feeders serving as wave traps for signals of carrier frequency fed through the power system from selected transmitters thereby to render receivers connected to non-selected feeders non-responsive to carrier current signals on selected feeders.

2,385,674

MANUFACTURE AND PRODUCTION OF ARTIFICIAL THREADS, FILAMENTS, AND THE LIKE

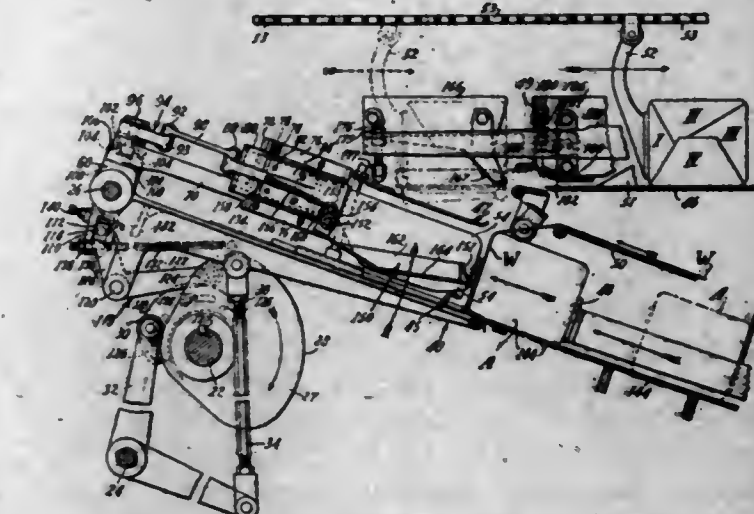
Robert Louis Wormell, Coventry, and Claude Leonard Knight, Rugby, England, assignors to Courtaulds Limited, London, England, a British company
No Drawing. Application April 22, 1942, Serial No. 440,116. In Great Britain May 27, 1941
5 Claims. (Cl. 8-127.6)

1. A process for improving the resistance of casein threads to attack by boiling aqueous liquids which consists in treating the said casein threads in a bath containing formaldehyde, alkali metal sulphate and sufficient sulphuric acid to convert at least a large proportion of the sulphate into bisulphate the sulphuric acid content of the bath being equivalent to a normality of the order of about 3.7 to about 5.1, and then while avoiding any appreciable increase in concentration of the sulphuric acid, in contact with the threads, immediately after said treatment washing and drying the said threads.

2,385,675

TUCKING AND FOLDING MECHANISM FOR WRAPPING MACHINES

Charles Arell, Richmond Hill, N. Y., assignor to American Machine and Foundry Company, a corporation of New Jersey
Application February 3, 1943, Serial No. 474,528
25 Claims. (Cl. 93-2)

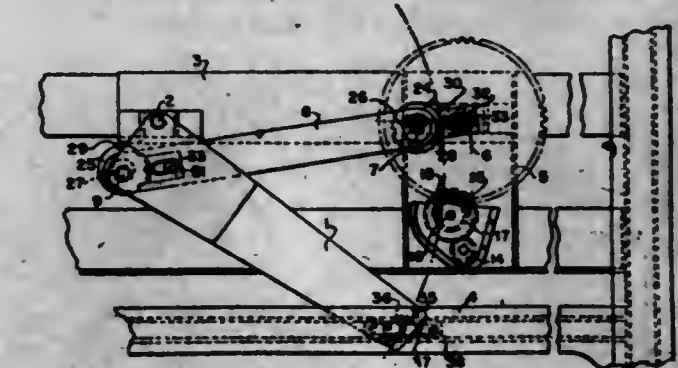


1. In a wrapping machine, a lifter table constructed and arranged to receive a partially wrapped article having end portions of the wrapper extending beyond the ends of said article, and deliver the same to a discharge position, end tuckers carried by said lifter table, means for moving said tuckers into folding engagement with portions of said projecting wrapper to form end tucks and partially form other flaps extending beyond the ends of said article adjacent said table, flap flattening members located adjacent said tuckers, and means for moving said members towards said table for flattening said partially formed flaps against said table.

2,385,676

SASH OPENING AND CLOSING MECHANISM

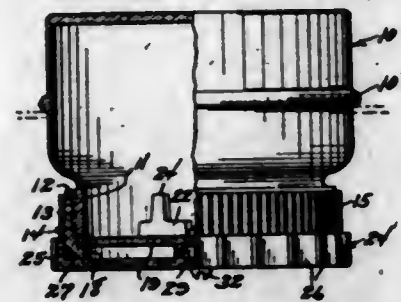
Roy T. Arc, Syracuse, N. Y., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y., a corporation of New York
Application June 30, 1943, Serial No. 492,699
3 Claims. (Cl. 268-126)



1. In a sash opening and closing mechanism, a lever pivoted at one end and having its other end connected to the sash at the median line thereof with respect to the direction of movement, actuating means for the lever including a wheel having a crank pin, a connecting rod between the crank pin and the lever and connected to the lever at a point eccentric to the pivotal axis of the lever, means for turning the wheel about its axis, and means for varying the effective starting radial angle of the lever arm relatively to the sash, the sash having a slide therein, and said means including mechanism for attaching the slide to the end of said arm at points in different radial angles of said arm with respect to the pivotal axis of the lever.

2,385,677 MEASURING DEVICE

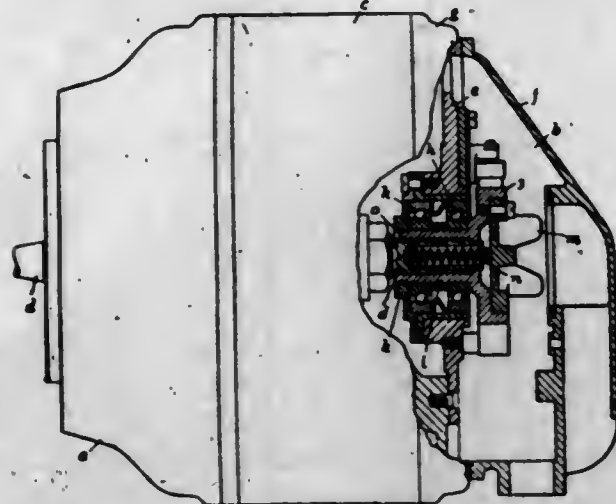
Theodore Bailey, Habana, Cuba
Application April 5, 1944, Serial No. 529,644
2 Claims. (Cl. 222-452)



1. A measuring and dispensing device for use with an inverted open mouth container, comprising inner, outer, and intermediate contacting discs, an annular flange formed with said intermediate disc to engage about the mouth of said container, each of said discs having an eccentrically disposed opening and said intermediate disc also having a centrally disposed opening, clutch elements carried by said inner and outer discs and projecting into said central opening to cooperatively engage one another to transmit turning movements of the outer disc to said inner disc, said elements acting to position the inner and outer discs relatively to each other so that the openings therein are angularly displaced one from the other in a manner to be successively registered with the eccentrically disposed opening in the intermediate disc during reversed turning movements of the inner and outer discs relatively to the intermediate disc, means carried by said outer disc to facilitate its manipulation, and a pivot bolt passed centrally through said discs to support said outer disc in place.

2,385,678 IGNITION MAGNETS FOR INTERNAL-COMBUSTION ENGINES

John Archibald Baines, Willesden Junction, London, England, assignor to Rotax Limited, London, England
Application November 10, 1943, Serial No. 509,805
In Great Britain November 3, 1942
9 Claims. (Cl. 171-209)



1. An ignition magneto generator comprising a distributor compartment containing a generator spindle, a plate forming at least a part of a wall of the distributor compartment, at least one bearing on the plate, a rotary cam carried by the bearing and adapted to support and to be slidably connected with the adjacent end of the generator spindle, and at least one contact lever and contacts mounted on the plate adjacent to the cam.

2,385,679 METHOD OF PREPARING A MOLDED ZEIN ARTICLE AND THE RESULTING ARTICLE

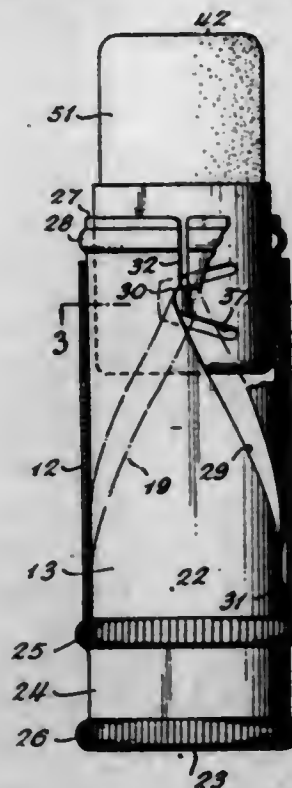
Sara Jordan Bers, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
No Drawing. Application November 27, 1943, Serial No. 512,032
12 Claims. (Cl. 106-152)

1. The method of manufacturing plastic articles comprising the steps of fluxing with heat a mixture of zein and the substantially gasoline-insoluble fraction of pine wood resin, adding sufficient paraformaldehyde to said fluxed mixture to react with substantially all of said zein and resin, heating said mixture to a temperature at which reaction of said paraformaldehyde with said zein and resin occurs, and continuing the application of heat until said paraformaldehyde has reacted with substantially all of said zein and resin and a reaction product is produced which is substantially insoluble in 80% ethyl alcohol.

8. As a new article of manufacture, a product which is substantially insoluble in 80% ethyl alcohol comprising the reaction product obtained by heating at reaction temperature a mixture of zein and the substantially gasoline-insoluble fraction of pine wood resin with sufficient paraformaldehyde to react with substantially all of said zein and resin until said paraformaldehyde has reacted with substantially all of said zein and resin.

2,385,680 COSMETIC CONTAINER

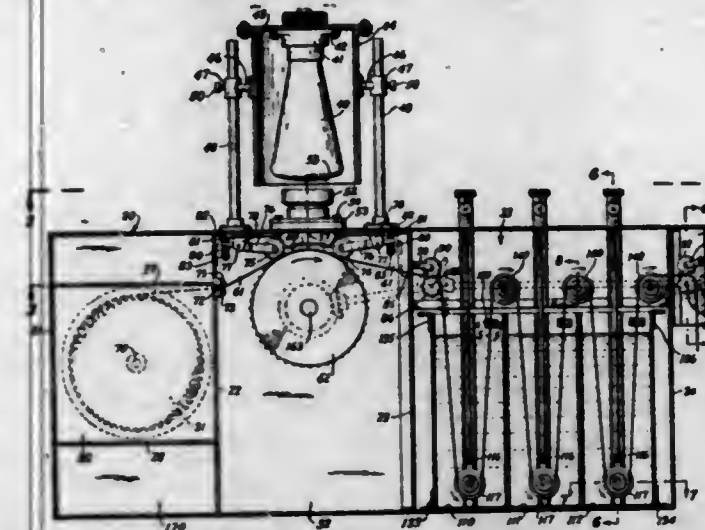
Charles R. Book, Waterbury, Conn., assignor to The Eyelet Specialty Company, Waterbury, Conn.
Application June 20, 1941, Serial No. 398,971
3 Claims. (Cl. 206-56)



3. In a cosmetic container, a pair of concentrically disposed cylinders, one of said cylinders being rotative within the other, each cylinder having a slot disposed angularly to the slot of its companion, a cup-shaped cosmetic carrier within the inner cylinder and arranged for longitudinal movement therein, the side wall of the cosmetic carrier having a laterally bent integral spring tongue frictionally engaging the inner surface of the inner cylinder, said tongue having a single free end bent to provide a lug entrant into both slots, whereby rotative movement of one cylinder relative to the other will cause a displacement of the carrier longitudinally of the container.

2,385,681 DEVELOPING APPARATUS

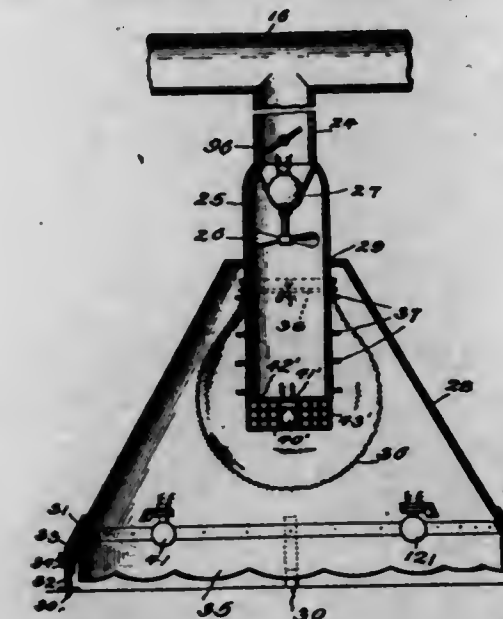
Frank R. Brick, Elizabeth, N. J.
Application January 27, 1943, Serial No. 474,517
3 Claims. (Cl. 95-94)



1. In a high speed facsimile recorder adapted to receive and record light impressions on a moving record strip, a developing tank, the said tank having an open top and a closed bottom and a pair of substantially parallel side walls, rail members arranged vertically along the interior of each of said parallel side walls and disposed substantially opposite each other, a yoke member adapted for vertical sliding movement in said rail members and positioned by said rail members between said side walls, a pulley rotatably carried by said yoke, and means for raising and lowering said yoke, said tank being removable from and insertable in the remainder of the apparatus, said apparatus having a frame surrounding and positioning said tank including a pair of spaced wall members above the top opening of said tank and extending in planes substantially parallel to the parallel pair of wall members of said tank, a pair of rail members in said last mentioned wall members of said frame, said rail members being aligned with the respective rail members of the tank when the tank is in position in said frame, said yoke being slidable out of the tank from the rail members of the tank on to the rail members of the frame, said tank being thereby removable from said apparatus while said yoke and pulley remain therewithin.

2,385,682 BROODER

John D. Burkholder, Jr., Harrisonburg, Va.
Application August 7, 1943, Serial No. 497,820
8 Claims. (Cl. 119-34)



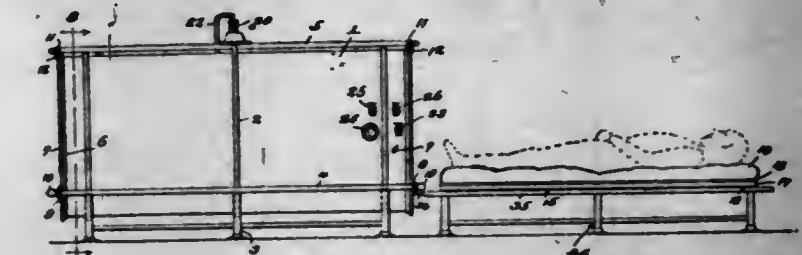
1. In a brooder, a generally vertical hover provided at its top with an opening, a generally ver-

tical pipe extending into the hover through the opening and having its outlet end at an elevation considerably above the floor of the brooder room, means for supporting the hover so that its bottom is arranged near and spaced from the floor, and a porous air diffusing sack mounted upon the air supply pipe within the hover and shiftable to a raised position above the reach of the chicks and to a lowered position in contact with or adjacent to the floor.

2. In a brooder apparatus, a furnace, a stoker for the furnace, a stoker motor to drive the stoker, an air jacket surrounding the furnace, a blower discharging into the air jacket, a blower motor to drive the blower, a pipe connected with the air jacket, a group of branch pipes connected with said pipe, hovers receiving the branch pipes, an exhaust fan arranged adjacent to the outlet end of said pipe, an exhaust motor to drive the exhaust fan, a circuit connected with the exhaust fan motor, a hot closed thermostat connected in the exhaust fan motor circuit, a damper mounted within said pipe outwardly of one end of the group of branch pipes, and a second damper mounted within said pipe outwardly of the other end of the group of branch pipes and disposed inwardly of the exhaust fan.

2,385,683 TREATMENT APPARATUS

Augustus Burton, Dallas, Tex.
Application March 10, 1943, Serial No. 478,723
1 Claim. (Cl. 128-298)



Treatment apparatus including a casing, a removable head at one end of the casing, the other end of the casing being open, rails secured within the casing and extending substantially from end to end thereof, a supplemental structure outside of the casing and adjacent to but spaced from the open end thereof, rails on the supplemental structure aligned with and spaced from the rails in the casing, said supplemental structure being supported independently of the casing, means carried by the rails on the supplemental structure and positioned for movement into engagement with the other rails, thereby to bridge the spaces between the aligned rails, a carriage movable along the rails and said bridging means for conveying a patient into or out of the casing, and a head insertible between the open end of the casing and the supplemental structure for closing the open end of the casing, said bridging means being shiftable from engagement with the rails and the casing, thereby to provide a clearance for the reception of said head when placed in closed position on the casing.

2,385,684 PILOT ENCLOSURE

Edward F. Burton, West Los Angeles, and Allan B. Rogers, Sr., Santa Monica, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application September 21, 1942, Serial No. 459,212
4 Claims. (Cl. 244-121)

1. In an aircraft fuselage, the upper surface of the forward portion of which is transversely

curved; a pilot compartment in said forward portion; pilots' seats in said compartment to each side of and laterally spaced from the longitudinal vertical plane of symmetry of said fuselage; an opening in the fuselage wall above each seat; and an outwardly bulged enclosure over each opening, the uppermost portion of each said enclosure extending at least as high as a plane laid tangent to the fuselage surface at the intersection of said vertical plane of symmetry with said fuselage surface between said enclosures, the laterally outer portion of each of said enclosures extending laterally down the sloping side wall of said fuselage away from said plane of symmetry a substantial distance.



2,385,685
MAGNESIUM BASE ALLOY
Robert S. Busk, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 13, 1942, Serial No. 438,783
5 Claims. (Cl. 75-168)

1. In a method of reducing the tendency to burn of a magnesium base alloy in the molten state, the step which comprises incorporating in the alloy while molten lithium in an amount from about 0.001 to 0.01 per cent of the weight of the alloy.

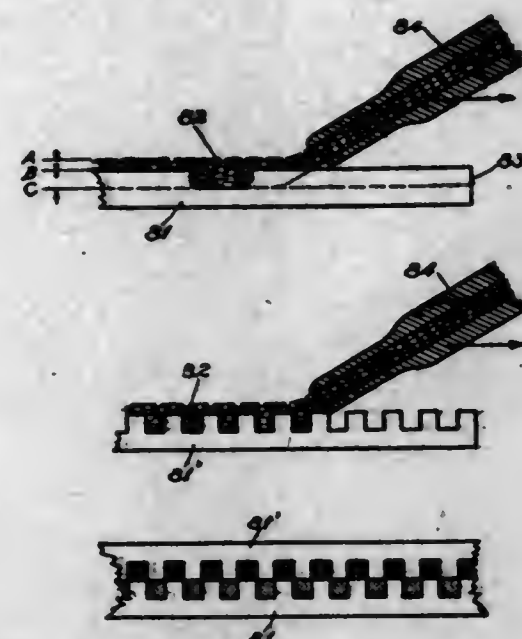
2,385,686
MAGNESIUM BASE ALLOY
Robert S. Busk, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 13, 1942, Serial No. 438,784
5 Claims. (Cl. 75-168)

1. A magnesium base alloy containing from 0.001 to 0.05 per cent of potassium, said alloy being additionally characterized by a reduced tendency to burn compared to a similar alloy not containing potassium in the aforesaid proportions.

2,385,687
LIGHT POLARIZING SCREEN AND METHOD OF MANUFACTURE
Chalon W. Carnahan, Oak Park, Ill., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts
Original application July 7, 1938, Serial No. 217,866. Divided and this application August 15, 1942, Serial No. 454,927
6 Claims. (Cl. 88-65)

1. The method of forming an interleaved strip dichroic light control device in which alternate strips polarize light in one plane and the intervening strips polarize light in a different plane, which method comprises flowing on to a grooved transparent support a quantity of dichroic material with the direction of flow substantially parallel to the grooves to fill the same while subjecting the material as it flows to a force causing orientation of the constituent particles of the material in a direction parallel to said grooves, flowing onto another grooved transparent support a quantity of dichroic material with the direction of flow substantially transverse to said grooves while subjecting the material in the grooves of

terial with the direction of flow substantially parallel to the grooves to fill the same while subjecting the material as it flows to a force causing orientation of the constituent particles of the material in a direction parallel to said grooves, flowing onto another grooved transparent support a quantity of dichroic material with the direction of flow substantially transverse to said grooves while subjecting the material in the grooves of



said other support to a force to cause orientation of the constituent particles of said material in a direction transverse to the grooves in said other support, and attaching the said supports to each other with the grooves in one support staggered with relation to the grooves in the other support.

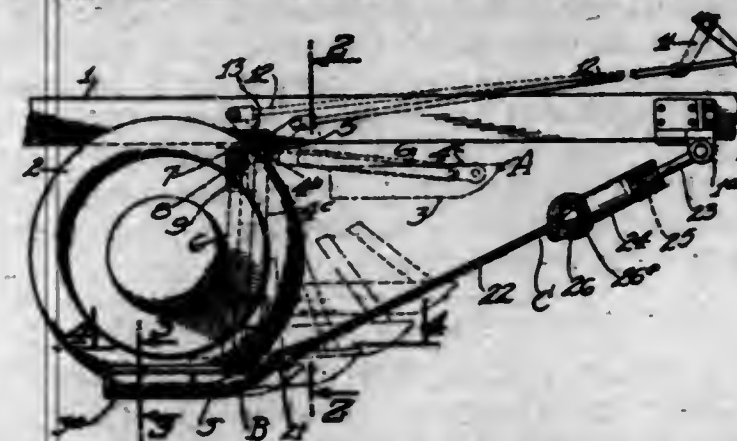
2,385,688
PROCESS FOR COAGULATING NEOPRENE DISPERSIONS BY MEANS OF MAGNESIUM SALTS
Albert S. Carter, Wilmington, Del., and Thomas G. Webber, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 21, 1941, Serial No. 399,326
8 Claims. (Cl. 260-27)

1. In a process for making a water-resistant, rubber-like material by emulsifying 2-chloro-1,3-butadiene in an aqueous medium by means of a sodium salt obtained by treating a member of the group consisting of rosin and hydrogenated rosin with excess sodium hydroxide, polymerizing the 2-chloro-1,3-butadiene while so emulsified, coagulating the resulting dispersion of polymer and washing and drying the coagulum, the step of coagulating the said dispersion by means of magnesium sulfate in quantity sufficient to react with all the dispersing agent present.

2,385,689
BRAKE
Andrew L. Christiansen, Willowbrook, Calif.
Application May 29, 1943, Serial No. 489,051
8 Claims. (Cl. 188-4)

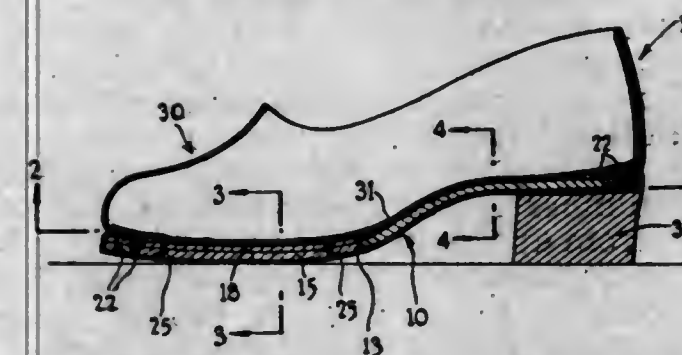
1. In a vehicle brake mechanism of the class described, a vehicle frame having supporting wheels, brake shoes upon which said wheels are adapted to ride, parallel bars normally supporting said shoes in horizontal positions from said vehicle frame in front of the wheels, said parallel bars being positioned one behind the other and one of the bars being mounted upon a yield-

ably slidable pivot, means for shifting said shoes from said normal positions to positions under the



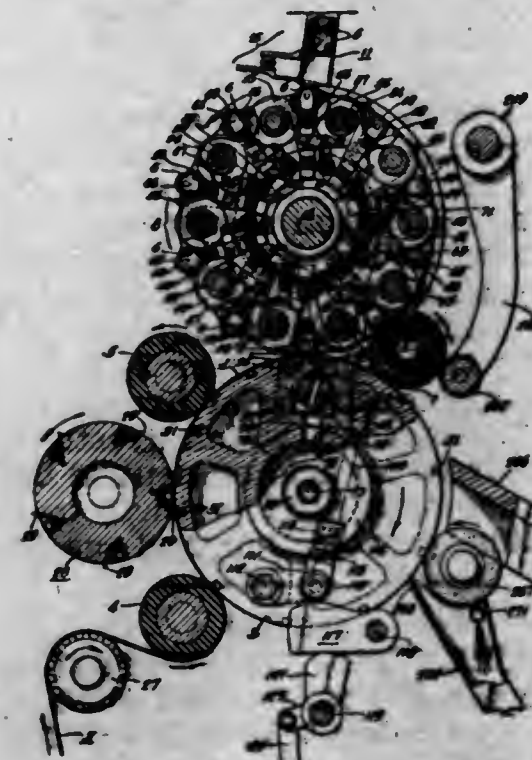
wheels, and tension means connecting the forward ends of the shoes to the frame.

2,385,690
OUTSOLE
George Codish, New York, N. Y.
Application March 16, 1943, Serial No. 479,311
7 Claims. (Cl. 36-30)



1. An outsole comprising a sole member formed with an opening at the ball of the foot, an insert within said opening, a member adhered to the top of said first member and insert, and a member covering the bottom of said first member and insert, and means to attach said insert to said second mentioned member.

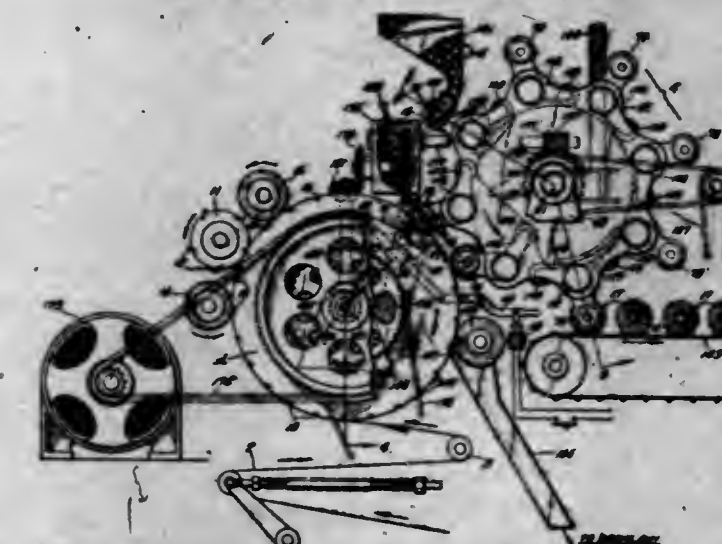
2,385,691
CONTINUOUS WINDING MACHINE
Wesley S. Corbin, Ridley Park, Pa., Francis Chilson, Scarsdale, N. Y., Paul L. Tolison, North Plainfield, N. J., Charles S. Caffrey, Port Washington, N. Y., and Alfred F. Pilon, North Plainfield, N. J., assignors to Scott Paper Company, Chester, Pa., a corporation of Pennsylvania
Application March 12, 1942, Serial No. 434,430
42 Claims. (Cl. 242-56)



14. In apparatus for winding individual rolls from a web, a continuously driven drum to which

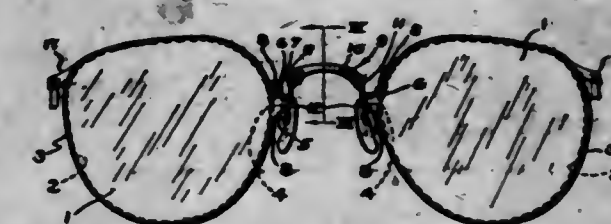
the web is fed, means for periodically delivering a core against the drum, means for pressing the core upon the web and against the drum at a position spaced from a previously wound roll, pneumatic means for parting the web between the said wound roll and the core and for directing the free end of the web about the core, and means for maintaining each of the rolls thus started on the cores in pressure engagement with the drum until completion of the succeeding web-parting operation.

2,385,692
CONTINUOUS WINDING MACHINE
Wesley S. Corbin, Ridley Park, Pa., Paul L. Tolison and Alfred F. Pilon, North Plainfield, N. J., Francis Chilson, Scarsdale, and Charles S. Caffrey, Port Washington, N. Y., assignors to Scott Paper Company, Chester, Pa., a corporation of Pennsylvania
Application April 7, 1942, Serial No. 438,044
35 Claims. (Cl. 242-56)



1. In apparatus for winding individual rolls from a web, a drum about which the web is fed, means for delivering a core against the drum, means for instituting winding of the web upon the core, and means exclusive of the roll and operative during the winding operation and synchronized with the rotary movement of the drum for effecting retractive movement of the core from the drum at a rate predeterminedly related to the increasing linear content of the roll.

2,385,693
OPHTHALMIC MOUNTING
Charles O. Cozzens and Edward M. Spaine, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Original application February 27, 1940, Serial No. 321,081. Divided and this application February 26, 1943, Serial No. 477,206
5 Claims. (Cl. 88-41)



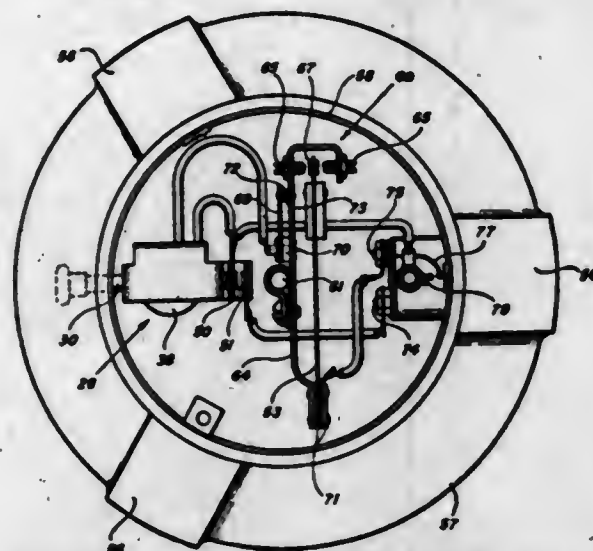
1. A supporting structure for the lenses of an ophthalmic mounting each having a peripheral groove therein, said lens supporting structure comprising lens rims each having an inner surface portion shaped to lie within the groove of a respective lens when assembled therewith and each having divided end portions adjacent the nasal sides thereof, a connecting lug adjacent each of the divided end portions, each of said lugs having a portion disposed in the plane of the rim and an integral portion disposed in the rear of the plane of the rim with one of said

lugs having a recess, means for securing said connecting lugs together, relatively long and slender bar-like temple supports each shaped substantially to follow the upper contour shape of the lens rims with the nasal ends thereof connected to one of said lugs and adjacent their temporal ends having a portion extending rearwardly and terminating in a temple hinge connection and a bridge member secured to one of said lugs and having a portion projecting outwardly of said lug and extending within the recess of said recessed lug when the said lugs are in connected relation with each other.

2,385,694

COFFEE MAKER

George B. Davis, Jr., Green Acres, Md.
Application June 26, 1944, Serial No. 542,117
8 Claims. (Cl. 99-281)



1. A coffee maker comprising a water heating vessel, a coffee steeping vessel in liquid communication with said water heating vessel, a resilient support for said vessels including means for heating said water heating vessel, a control device for said heating means, and operating means for the control device responsive to a vibration of said resilient support.

2,385,695

COPOLYMERIZATION PRODUCTS AND METHOD OF MAKING SAME

Robert R. Dreisbach, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application February 1, 1941, Serial No. 376,996
12 Claims. (Cl. 260-66)

3. A rubber-like copolymer consisting essentially of 1 part by weight of a lower aliphatic conjugated diolefin, between 0.8 and 4 parts of an alkyl alpha-methylene-alkyl ketone and between 0.15 and 1.5 parts of an alpha-methylene-alkyl cyanide in chemically combined form, which copolymer contains not more than 35 per cent by weight of the chemically combined alpha-methylene-alkyl cyanide.

2,385,696

MANUFACTURE OF DIVINYLBENZENE COMPOUNDS FROM CORRESPONDING ETHYLATED BENZENE COMPOUNDS

Robert R. Dreisbach, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application September 10, 1941, Serial No. 410,264

5 Claims. (Cl. 260-669)

1. In a method of making divinylbenzene, the steps which consist in heating diethylbenzene to a pyrolysis temperature for a time insufficient to

cause substantial carbonization, whereby ethylvinylbenzene is formed as the principal dehydrogenated diethylbenzene product, separating the dehydrogenated diethylbenzene from other products of the reaction to obtain it in a form of at least 75 per cent by weight concentration, and thereafter heating it at a pyrolyzing temperature for a time insufficient to cause substantial carbonization, whereby it is further dehydrogenated to form divinylbenzene.

2,385,697

LUBRICATING OIL COMPOSITION

Marcellus T. Flaxman, Inglewood, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application March 14, 1942, Serial No. 434,632
10 Claims. (Cl. 252-59)

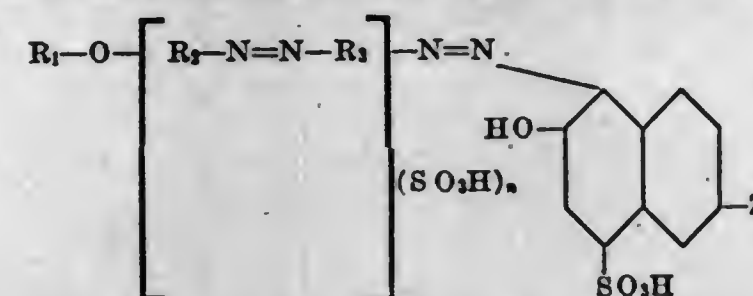
8. A lubricating oil comprising a blend of a major proportion of distillation bottoms obtained by reacting an olefin with an isoparaffin in the presence of an alkylation catalyst and distilling the reaction product to produce said distillation bottoms, said distillation bottoms having a Saybolt Universal viscosity at 100° F. of approximately 32 to 75 seconds, a viscosity index of less than zero and having substantially no lubricating qualities, within the order of from 0.01% to 0.1% by weight of naphthenic acids having an acid number in the order of from 140 to 150 and with from approximately 2% to 5% by weight of a butylene polymer having a molecular weight in the order of from 10,000 to 100,000, said lubricating oil having a substantially higher viscosity and viscosity index than said distillation bottoms.

2,385,698

DISAZO DYESTUFFS

Richard Fleischhauer and Adolf Müller, Frankfurt-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 24, 1940, Serial No. 362,590. In Germany October 21, 1939
3 Claims. (Cl. 260-190)

1. Disazodyestuffs of the general formula:



wherein R_1 stands for a member of the group consisting of aryl radicles of the benzene and naphthalene series, aralkyl- and an alkyl radicle containing 12 carbon atoms, R_2 for a radicle of the benzene series, R_3 for a radicle of the naphthalene series in which the two azogroups stand in the 1 and 4 position of the naphthalene nucleus, n for the number 1 or 2, Z for a member of the group consisting of hydrogen, halogen and an acylaminogroup, which dyestuffs dye the animal fibers from an acid or neutral bath mostly black shades of a good fastness to light, decanting, fulling, perspiration and sea-water.

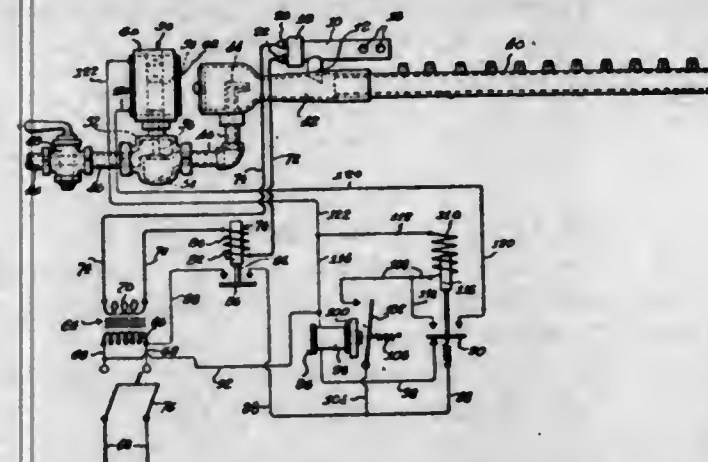
2,385,699

FUEL IGNITION SYSTEM

Vernie A. Fox, Detroit, Mich.
Application September 8, 1941, Serial No. 410,018
3 Claims. (Cl. 158-28)

1. In a fuel ignition system comprising an igniter circuit and a control circuit, a continuously

energized igniter in said igniter circuit adapted to be mounted in the path of fuel flow, a magnetically controlled normally open valve in said control circuit for controlling the flow of fuel in said flow path, a time delay circuit interposed between the control circuit and the igniter circuit, relay switch means in the igniter circuit for closing said time delay circuit upon energization of the igniter circuit, a holding circuit for said control

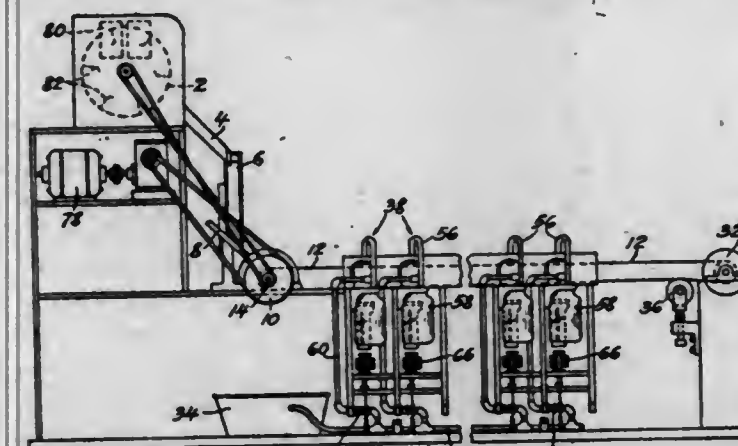


circuit, a time delay relay switch in said time delay circuit for closing said holding circuit a predetermined time interval after the closing of said time delay circuit, a holding circuit for the first-mentioned holding circuit, and a relay switch in said first-mentioned holding circuit for closing said second-mentioned holding circuit to thereby energize the electromagnetically controlled valve and hold said valve in an open position to permit fuel flow along said flow path.

2,385,700

SORTING DEVICE

Edward E. Garlits, Jr., Yardley, Pa.
Application July 14, 1942, Serial No. 450,929
12 Claims. (Cl. 209-82)



8. Rivet sorting mechanism comprising parallel conveyors, means for arranging rivets on said conveyors with the heads of the rivets resting on the conveyors and with the shanks of the rivets extending downward between the conveyors, and a plurality of extracting devices located along the path of movement of the conveyors and each including an element vertically disposed with respect to the space between the conveyors to raise rivets upward from between the conveyors, said devices each being adjusted to remove rivets of a predetermined size from said conveyors.

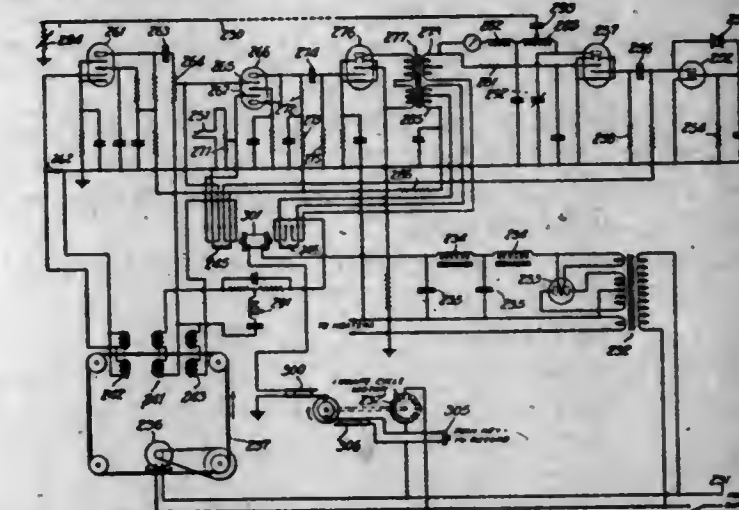
2,385,701

AUTOMATIC RECORDING AND REPRODUCING SYSTEM

William S. Halstead, Huntington, N. Y.
Original application August 3, 1940, Serial No. 350,972. Divided and this application March 19, 1943, Serial No. 479,812
10 Claims. (Cl. 179-100.2)

2. An electronic recording and reproducing device comprising, in combination, a pick-up coil,

a recording coil, and a signal obliterating means; an amplifier, relay means for operably connecting said amplifier in cascade arrangement with either said pick-up coil or with said recording coil during reproducing and recording periods, respectively, said relay means automatically connecting a source of energy to the signal obliterating means when the amplifier is connected

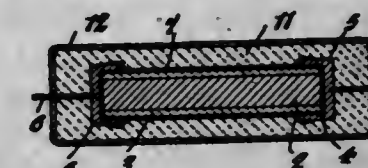


to the recording coil, normally-open contact means connected in series with said relay means and a source of E. M. F., timing means including a motor and motor-driven cam for closing said contact means during a recording period of predetermined duration, and remote recording control means including a momentary contact switch in series with said motor for initiating operation of said timing means.

2,385,702

ELECTRICAL RESISTOR

Ernst Hediger and Walter E. Schildhauer, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application September 24, 1942, Serial No. 459,514
16 Claims. (Cl. 201-67)

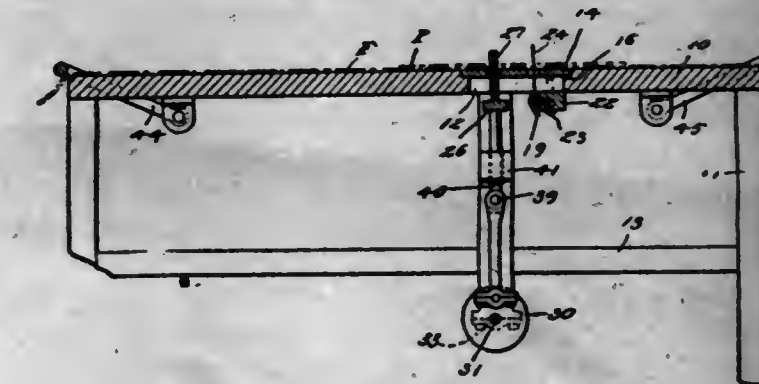


1. An electrical resistor comprising a resistance core of electrical conducting material in a rigid jacket surrounding the core, metal caps on the ends of the resistor making electrical connection with the resistance core, and a vitrified glaze on the outside of the jacket adjacent the caps and extending over the inner ends of the caps and making an air-tight joint with the caps, said glaze being of substantially the same thermal coefficient of expansion as the metal caps.

2,385,703

FABRIC REPAIR MACHINE

Sonia L. Hieber, Atlanta, Ga.
Application August 19, 1943, Serial No. 499,269
7 Claims. (Cl. 139-1)



1. A device of the kind described comprising a table having a pair of slots therethrough, a plu-

rality of pins fixed relative to said table and projecting upwardly through one of said slots, a needle carrier below said table, a plurality of needles carried by said carrier and adapted to be moved upwardly through the other of said slots, and means for reciprocating said carrier.

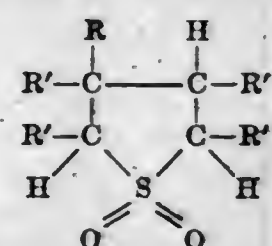
2,385,704 METHOD OF RECOVERING SULPHUR DIOXIDE

George W. Hooker, Stephen C. Stowe, and Lewis R. Drake, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application January 22, 1942, Serial No. 427,778

14 Claims. (Cl. 23-178)

1. In a method wherein sulphur dioxide is separated by extraction from a mixture comprising the same, the step of contacting the mixture with a liquid extractant consisting essentially of a hydrothiophene dioxide having the general formula:



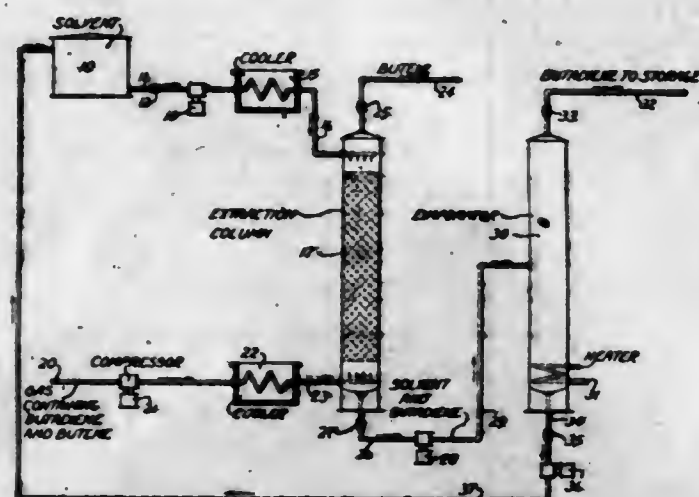
wherein R represents a member of the group consisting of hydrogen and lower alkoxy radicals, each R' represents a member of the group consisting of hydrogen and lower alkyl radicals, and there are less than 3 alkyl radicals attached to the nucleus, whereby the hydrothiophene-dioxide extracts sulphur dioxide from said mixture.

2,385,705 PRODUCTION OF BUTADIENE

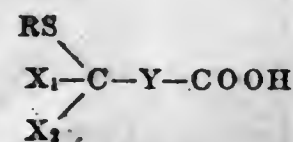
Hal C. Huffman, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application March 10, 1942, Serial No. 434,038

9 Claims. (Cl. 260-677)



1. A process for separation of diolefins from hydrocarbon mixtures containing the same and boiling substantially in the same temperature range, which comprises extracting said hydrocarbon mixture with a compound having the general formula



where X₁ and X₂ are selected from the group consisting of alkyl groups, unsaturated radicals

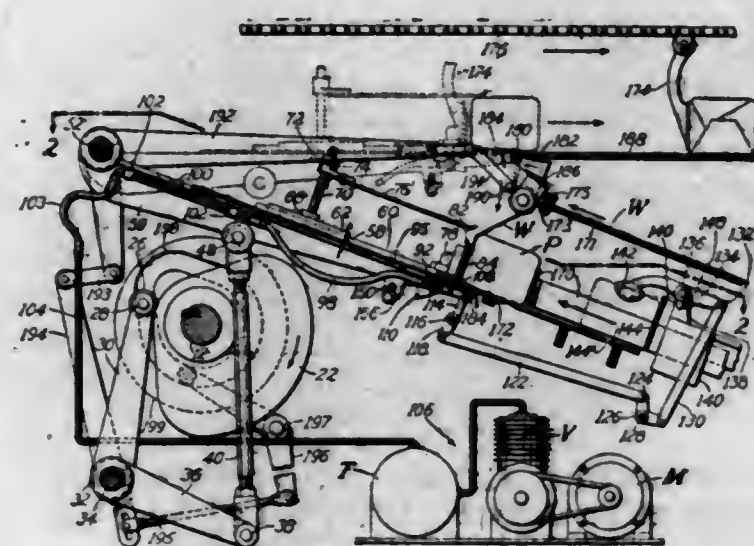
derived from alkyl groups by loss of hydrogen, aralkyl groups, hydrogen, carbocyclic rings, heterocyclic rings and RS groups the same or different from the RS group shown and in which R is selected from the group consisting of an alkyl group, an aralkyl group, a carbocyclic group, a heterocyclic group, and an unsaturated radical derived from an alkyl group by loss of hydrogen and Y represents (CH₂)_n where n=0 or an integer and thereby forming a solution of said compound and said diolefins and separating said solution from unextracted hydrocarbons.

2,385,706 WRAPPING MECHANISM

Thormod Jensen, Laurelton, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application May 13, 1943, Serial No. 486,769

10 Claims. (Cl. 93-2)



1. In a wrapping machine, the combination with a support adapted to receive an article, of mechanism for delivering an article to said support and folding a wrapper about the girth thereof while it is positioned upon said support, and a device for holding a portion of the wrapper while it is being folded about the girth of said article, a movable feeler arranged to be engaged and displaced by an article advanced by said mechanism, and instrumentalities controlled by said feeler for operating said device when said feeler is displaced by an article being delivered to said support.

2,385,707 THIEF SIGNAL

Charles S. Johnson, Albany, Ga., assignor of fifty per cent to H. H. Williamson

Application May 1, 1942, Serial No. 441,356

1 Claim. (Cl. 200-52)

A circuit closer comprising a support, an eye bolt extending through the support adjacent to the upper end thereof, said eye bolt adapted to extend into the dash board of a motor vehicle, securing the support to the dash board, a contact ring secured to the support, a contact arm constructed of semi-rigid pilable material, pivotally connected with the eye bolt, the lower end of the contact arm extending through the contact ring and adapted to be bent, providing an offset portion within the contact ring, normally preventing the contact of the contact arm and contact ring when the motor vehicle is parked in an inclined position, and a weight on the end of the

contact arm extended through said contact ring, said weight adapted to swing the contact arm in-



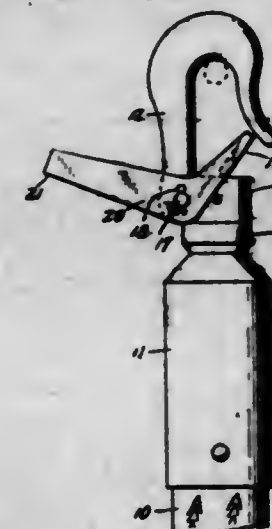
to contact with the contact ring when the motor vehicle is moved out of its normal inclined position.

2,385,708 HOOK AND LATCH FOR LINE IMPLEMENTS

Tomlinson F. Johnson, Atlanta, Ga.

Application January 26, 1944, Serial No. 519,798

1 Claim. (Cl. 294-19)



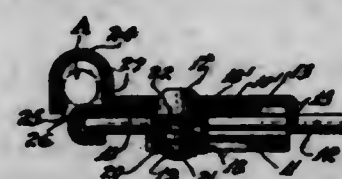
In combination with a tension stick for high tension transmission lines, a collar on one end of the stick having a head; a hook having a cup-shaped base swivelly mounted on the head; bosses on the base at the shank of the hook; and a stirrup-shaped safety latch pivotally and frictionally mounted on the bosses.

2,385,709 HOLDING DEVICE

John M. Johnston, Hillside, N. J.

Application November 23, 1944, Serial No. 564,884

7 Claims. (Cl. 24-238)



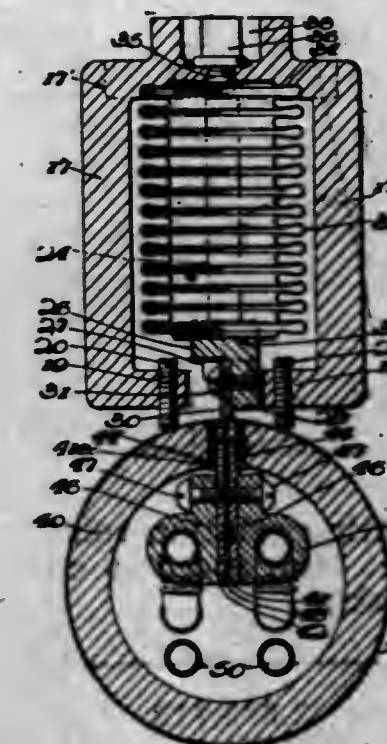
1. A holding device comprising a base plate, a ball member and means associated with said base plate to normally urge said ball member upwardly beyond the base plate, a slide plate slidably arranged on said base plate and provided with an aperture of smaller diameter than the greatest diameter of said ball member adapted to receive said ball member to latch the plates together when the plates are in registry and adapted to slide over the base plate when the ball member is depressed below the aperture of said slide plate, and co-acting article retention means carried by the two plates at one end thereof, the article being held by said retention means when the plates are disposed in one position.

2,385,710 APPARATUS FOR WELDING

Henry Kershaw, Belleville, N. J.

Application May 2, 1944, Serial No. 533,719

14 Claims. (Cl. 219-4)



12. In welding apparatus, electrodes which are insulated from each other and adapted for connection with a source of welding current, the electrodes engaging parts to be welded, means separate from the electrodes to press the parts toward the electrodes, said means including a pneumatic cell to cause the pressure to instantly follow through without the loss of time due to inertia.

2,385,711 ISOMERIZATION OF PINENE TO CAMPHENE

William J. Kirkpatrick, Marshallton, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 21, 1943, Serial No. 495,642

5 Claims. (Cl. 260-675.5)

1. The process of isomerizing a pinene, which comprises heating a pinene in the presence of halloysite until isomerization is at least partially complete.

2,385,712 MACHINE FOR CUTTING SKINS

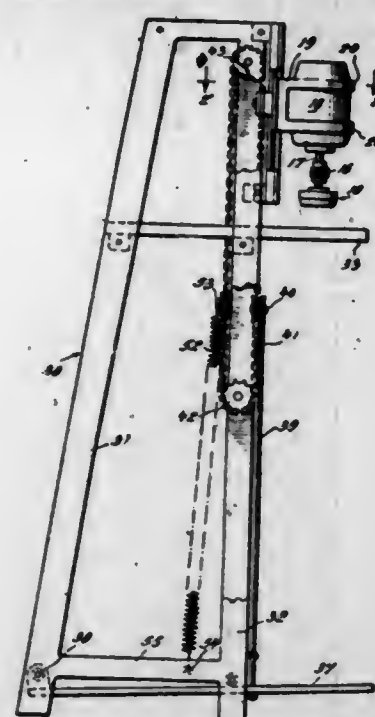
Robert H. Konikoff, New York, N. Y., assignor to Jess Cohen, Louis Passloff, Olga Schneebalg, and Doris Weinberg, New York, N. Y., copartners, doing business under the firm name of American Lambskin Products

Application March 6, 1944, Serial No. 525,295

1 Claim. (Cl. 164-60)

An apparatus for cutting circular discs from furred skins comprising a frame, a vertically-reciprocable support slidable in the frame, a foot treadle journaled adjacent the lower end of the frame, means connecting the support with the treadle to reciprocate the support, a motor with its shaft disposed vertically carried by the support, a cutting element formed with an annular cutting edge carried at the lower end of the motor shaft, and a work support carried by the frame for receiving a furred skin, fur side down, on such

support, whereby the annular cutting element may be moved downwardly, by depressing the foot



treadle, into cutting relation relative to the skin while rotating at high speed to cut such circular discs from the skin.

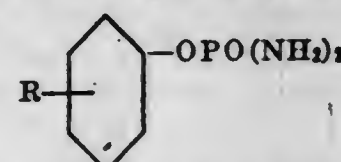
2,385,713

AMIDOPHOSPHATES

Gennady M. Kosolapoff, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 3, 1944, Serial No. 520,961

3 Claims. (Cl. 260-461)

1. Compounds having the general formula:



wherein R is a hydrocarbon radical of from 5 to 7 carbon atoms.

2,385,714

SIZING AND FINISHING COMPOSITIONS

Fred G. La Piana, Forest Hills, N. Y., and Herman S. Bosland, Providence, R. I., assignors to Stein, Hall & Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application June 25, 1941, Serial No. 399,742

21 Claims. (Cl. 260-9)

1. A composition of matter that is adapted to be applied to textile material in an aqueous medium and to be insolubilized thereon to render the textile material permanently crisp and resistant to shrinkage, comprising at least 50% of an amylaceous substance, at least about 5% of a water-soluble urea-aldehyde condensation product, and at least about 5% of a water-soluble polyvinyl composition containing polyvinyl alcohol as the major ingredient.

2,385,715

TELEPHONE SYSTEM

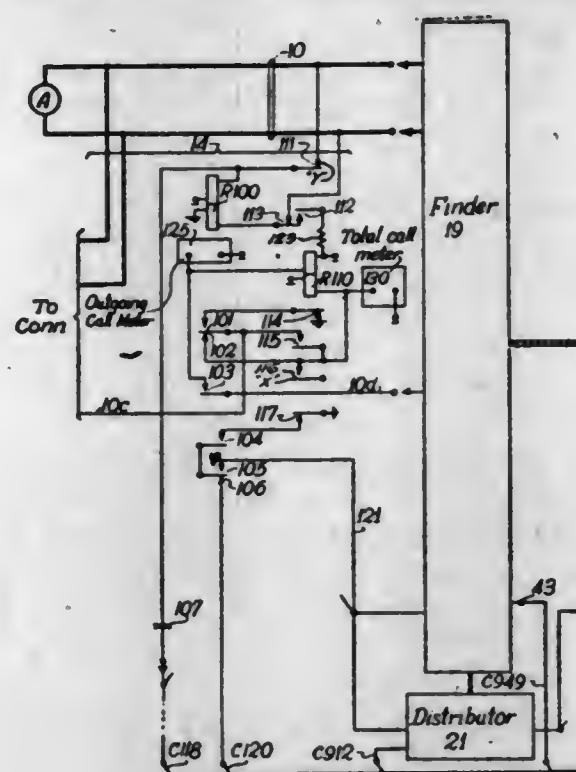
Clarence E. Lomax and Pier Bakker, Chicago, Ill., assignors to Automatic Electric Laboratories, Inc., a corporation of Delaware

Application October 9, 1941, Serial No. 414,252

34 Claims. (Cl. 179-27)

9. In a telephone system which is subject to an abnormal condition, a supervisory signaling circuit, means for repeatedly transmitting a coded

signal over said circuit when said abnormal condition exists in the system, and means for trans-



mitting a marking signal over said circuit between each pair of coded signals transmitted over said circuit.

2,385,716

GUY LINE EQUIPMENT FOR TENTS

Owen E. Mahaffey, Memphis, Tenn.

Application April 24, 1944, Serial No. 532,495

1 Claim. (Cl. 135-15)



Guy line equipment for a tent top attached at the edge thereof to a side pole comprising a thimble link adapted to be linked in said edge, a pair of stakes adapted to be fixed in the ground one adjacent said pole and the other remote from the first one, a guy line attached intermediate the ends thereof to the remote stake to provide two stretches, one of said stretches extending through said thimble link, a terminal shackle on said one stretch, said other stretch being trained through said shackle and down to the first-mentioned stake and secured thereto.

2,385,717

FOLDING TABLE LEG

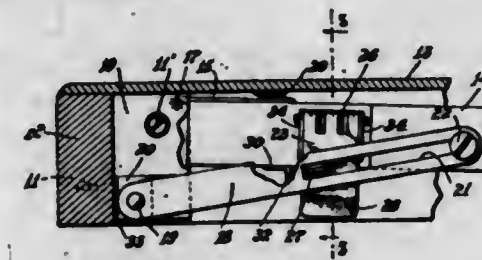
Elinor H. Mayer, Sarasota, Fla.

Application September 3, 1943, Serial No. 501,083

9 Claims. (Cl. 311-98)

1. A table leg hinge construction comprising a socket type bracket for attachment to the top frame of the table, a leg hinged to the bracket, a locking bar hinged to the bracket and having

a pin and slot sliding connection with the leg, and a latch hinged to the leg and having prop-



jecting means interlocking with the locking bar in the folded position of the leg and in its extended position.

2,385,718

SHUTTLE

Heinz Menking, Rocky River, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application July 2, 1943, Serial No. 493,179

9 Claims. (Cl. 139-196)



1. A shuttle comprising a body of magnesic metal and a synthetic non-metallic coating thereon covering at least a portion of the external surface of said body.

2,385,719

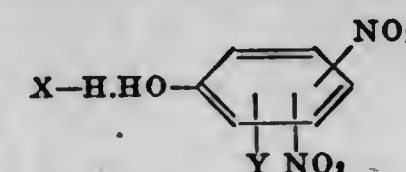
AMINE SALTS OF NITRATED PHENOLIC COMPOUNDS AND A METHOD OF PREPARING THE SAME

Vartkes Migrdichian, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

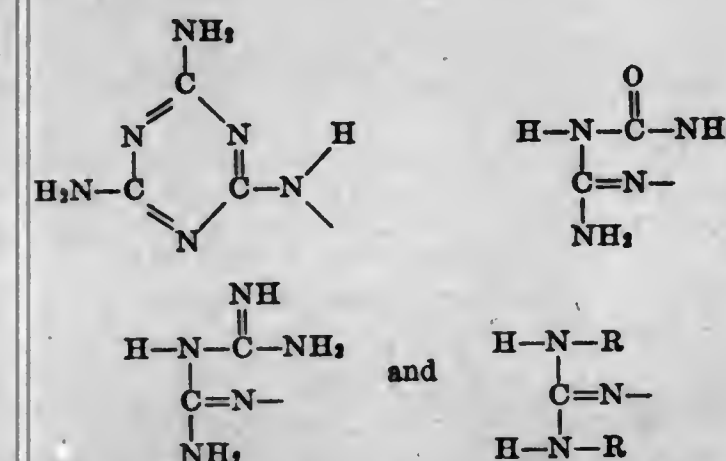
No Drawing. Application September 9, 1942, Serial No. 457,744

7 Claims. (Cl. 260-564)

1. A method of preparing an amine salt of a nitrated phenolic compound having the formula:

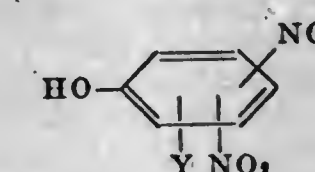


in which X represents a member of the group consisting of



R being a member of the group consisting of hydrogen and an aryl radical, and Y represents a member of the group consisting of hydrogen, cyclohexyl, terphenyl and alkyl radicals, which comprises reacting together in an aqueous me-

dium an inorganic salt of an amine, X-H, and an alkali metal salt of a nitrated phenolic compound,



X and Y being defined as above, separating and recovering the amine salt of the nitrated phenolic compound.

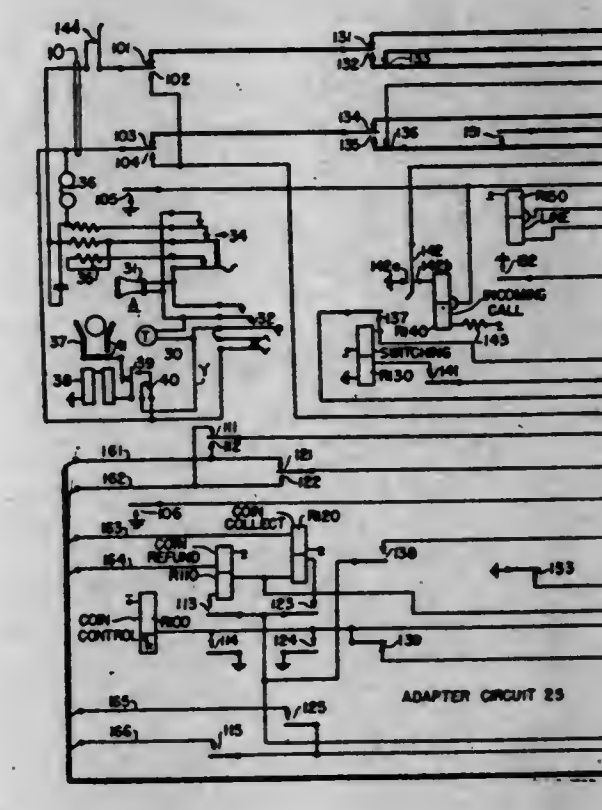
2,385,720

TELEPHONE SYSTEM

Imre Molnar, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware

Application February 9, 1942, Serial No. 430,046

45 Claims. (Cl. 179-6.3)



1. In a telephone system, a paystation including a mechanism for controlling the collection and refunding of coins or the like, an operator position, means for setting up a connection between said paystation and said operator position, and means comprising an automatic switch separate from said connection and controllable from said operator position for controlling said mechanism so long as said connection is not released.

2,385,721

ZEIN MOLDING COMPOSITIONS AND METHOD OF MOLDING

Victor A. Navikas, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

No Drawing. Application November 27, 1943, Serial No. 512,044

7 Claims. (Cl. 18-55)

1. In the method of manufacturing a molded article from a molding composition comprising filler, and binder including from about 67% to about 75% by weight of zein and from about 33% to about 25% by weight of the substantially gasoline-insoluble fraction of pine wood resin, said method comprising the steps of molding said composition at a temperature of from about 250° F. to about 300° F. to form a molded article, and removing said article from the mold at substantially the molding temperature.

2,385,722

METHOD OF FORMING MOLDED ARTICLES

Victor A. Navikas, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

No Drawing. Application November 27, 1943,

Serial No. 512,045

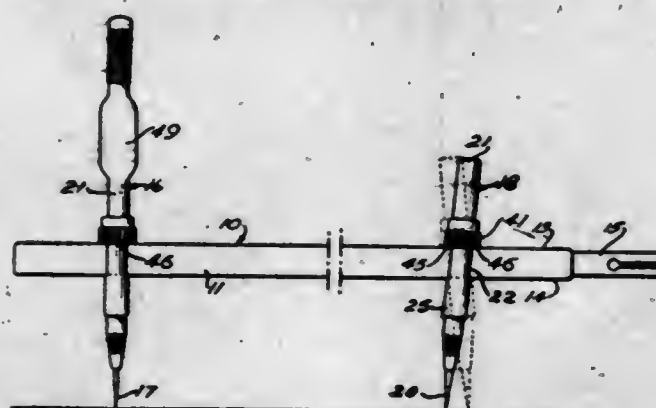
7 Claims. (Cl. 18-56)

1. In a method of hot molding articles from a molding material in the form of a paper carrier containing therein a thermoplastic binder, the essential ingredients of which consist of zein and the substantially gasoline-insoluble fraction of pine wood resin, the steps comprising charging a mold with a deformable paper carrier containing distributed therethrough particles of a thermoplastic binder of zein and the substantially gasoline-insoluble fraction of pine wood resin in the ratio of about 3:1 to about 2:1, said binder being mechanically held in the web, applying heat and pressure to said molding material to cause the same to assume the contour of the mold and to elevate the molding material to a temperature between about 250° F. and 300° F., maintaining heat and pressure until said binder has been caused to flow substantially uniformly throughout the extent of the molding material to bind the same into an article having the contour of the mold, opening the mold while heated to said molding temperature, and removing the molded piece therefrom.

2,385,723

BEAM COMPASSJohn W. Oehrl, State College, Pa.
Application June 13, 1944, Serial No. 540,158

10 Claims. (Cl. 33-160)



1. In beam compasses, a trammel having a beam-receiving aperture with parallel lateral walls, a beam having parallel side walls arranged to be received in said aperture and to have a sliding engagement with the said parallel walls to prevent relative rotation of the trammel or beam respectively about its longitudinal axis, said aperture having vertical clearance to permit relative swinging of the trammel and beam in the plane median of the two parallel walls, and means in the trammel engaging the upper and lower surfaces of the beam for adjusting the relative angular positions of the beam and trammel in said median plane, said means comprising a rotatable cam mounted with its axis concentric with the axis of the trammel and having a sloping surface arranged to engage one of the surfaces of the beam.

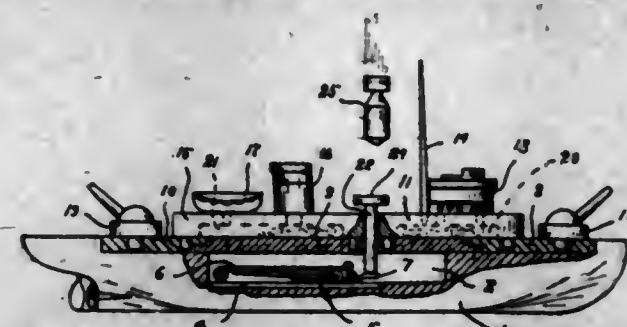
2,385,724

TOYRoy C. Olson, Duluth, Minn.
Application June 3, 1944, Serial No. 538,629

1 Claim. (Cl. 46-1)

An explodable toy ship having a hull with a hold therein, a deck over said hold divided transversely into a plurality of stepped sections, a

number of shiplike parts associated with said deck in dispersible manner, a trippable spring activator in said hold, target-topped trip means extending downwardly through a hole in said deck into contact with said activator and gravity



controlled means in the form of a bomb-like missile for impacting upon said trip means to trip said activator, whereby said sectional deck, said ship-like parts, said trip means and said missile are impelled upwardly and dispersed in explosion-simulating manner.

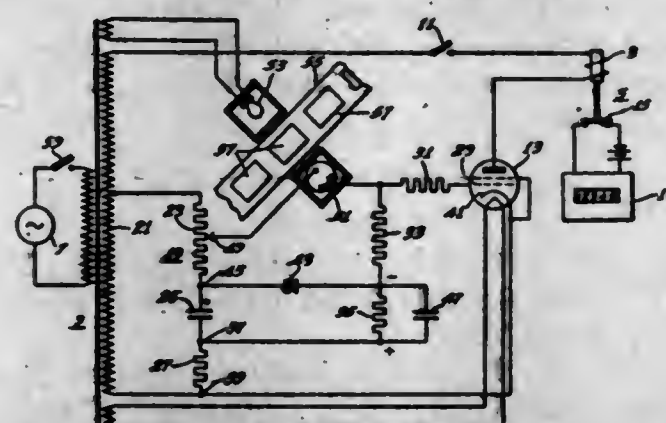
2,385,725

PHOTOELECTRIC CONTROL SYSTEM

Robert W. Pearson and Lloyd C. Poole, Wilkesburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 14, 1942, Serial No. 442,941

8 Claims. (Cl. 250-41.5)



1. In an electric control system, a load device, means adapted to function as a source of alternating current connected to said load device, an electric discharge valve of the arc-like type interposed between said source and load device for controlling the flow of current to the load device, a control circuit connected to said valve for rendering said valve conductive when the potential impressed in said circuit first rises above a predetermined critical value in a positive half period of said source, means connected to said control circuit for impressing in said circuit an alternating potential tending to render said valve conductive, superimposed on a continuous potential of such polarity and magnitude as to prevent the resultant potential from rising above said critical value, a resistor connected in said control circuit, and means connected across said resistor and including a photoelectric device for passing current through said resistor under the control of said photoelectric device to develop a potential thereacross which opposes said continuous potential.

2,385,726

NECKTIEGiuseppe F. Pinsuti, New York, N. Y.
Application December 4, 1943, Serial No. 512,869

2 Claims. (Cl. 2-146)

1. A necktie consisting of textile material, a seam joining the longitudinal edges of the material to provide a tubular structure shaped and adapted to be turned inside out and locate said seam between the center and one side edge of

the structure, and a textile lining within said structure secured along one of its longitudinal edges to said seam and the lining being doubled



upon itself along the other longitudinal edge portion and loose within said structure to provide resistance at the side opposite the seam.

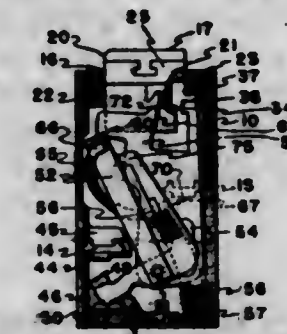
2,385,727

SWITCH

Elwood T. Platz, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia

Application August 15, 1942, Serial No. 454,937

30 Claims. (Cl. 200-116)



1. In a switch, a handle arranged to be advanced manually and returned automatically, means for automatically returning the handle, a stop for limiting the return movement of and defining an extreme position of the handle, a movable pawl for limiting return movement of the handle to an intermediate position, the pawl moving into and out of a handle stopping position, means connecting the handle and pawl responsive to advance of the handle from its intermediate position for shifting the pawl, which at that time is in handle stopping position, out of handle stopping position, and responsive to advance of the handle from its extreme position for shifting the pawl, which at that time is out of handle stopping position, into handle stopping position.

2,385,728

ABRADING APPARATUS

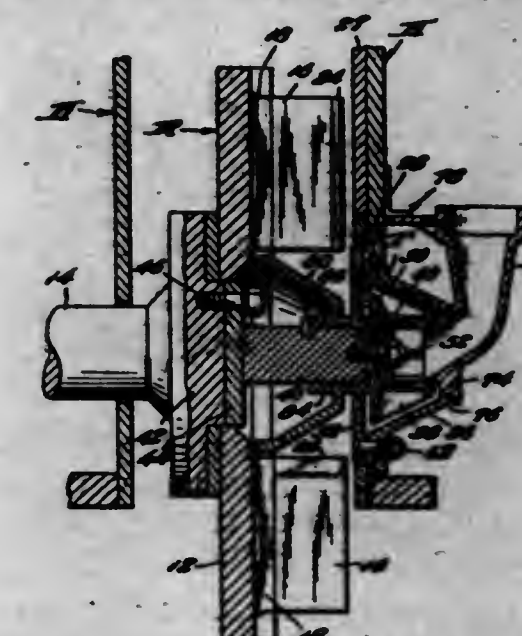
Percy J. Potter, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland

Application December 11, 1943, Serial No. 513,941

14 Claims. (Cl. 51-9)

1. In centrifugal abrading apparatus, a rotor including a plurality of substantially radially arranged propeller blades terminating inwardly short of the axis of the rotor, a housing including a portion arranged over the face of said rotor, said housing having an opening therein ad-

acent the axis of the rotor, a normally stationary frusto conical shaped control cage, a removable end member secured to the larger diameter end of said cage, means supporting the control cage with the end member closing the opening in the housing and with the cage portion extending outwardly from the housing, a feed spout guiding

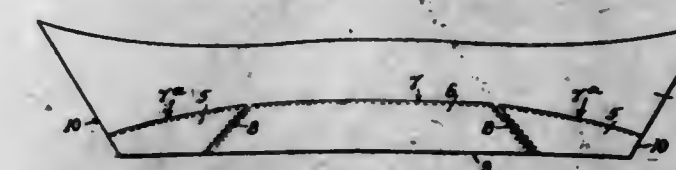


abrasive into the smaller end of the frusto conical cage, said end member having a discharge opening therein of limited cross sectional area radially displaced from the axis of the rotor, and means for moving abrasive from said cage through said discharge opening into the path described by the inner ends of said propeller blades.

2,385,729

SHIRTArthur Powell, Montclair, N. J.
Application December 7, 1943, Serial No. 513,277

3 Claims. (Cl. 2-116)



1. In a shirt which includes a body and a collar capable of two positions, the improvement which includes: a turn-down collar having an inner edge secured to the shirt body, said collar including an exposed portion and a lining, said lining being substantially co-extensive with the said inner edge, a reinforcing means located in the neckband area of the collar and having its inner edge shaped to comprise a folding guide when the collar is to be used with a necktie, said reinforcing means being formed in three separated parts, the two end parts being separated from the middle part to form two upwardly converging folding portions at approximately the shoulder line of the shirt to which the collar is attached, the two end parts of the reinforcing means extending along the end edges of the collar a distance approximately the width of the neck encircling part of a necktie, by virtue of all of which the collar when worn without a necktie will lie back smoothly as a sport collar and when worn with a necktie will have the necessary reinforcement to look neat in front like a dress collar.

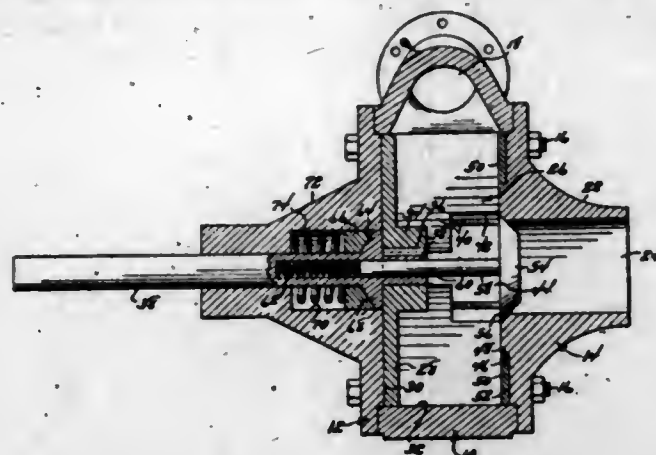
2,385,730

CENTRIFUGAL PUMPJames G. Read, New Smyrna Beach, Fla.
Application August 13, 1943, Serial No. 498,558

4 Claims. (Cl. 103-103)

1. In a centrifugal pump of the type having an impeller and a drive shaft coaxial with the

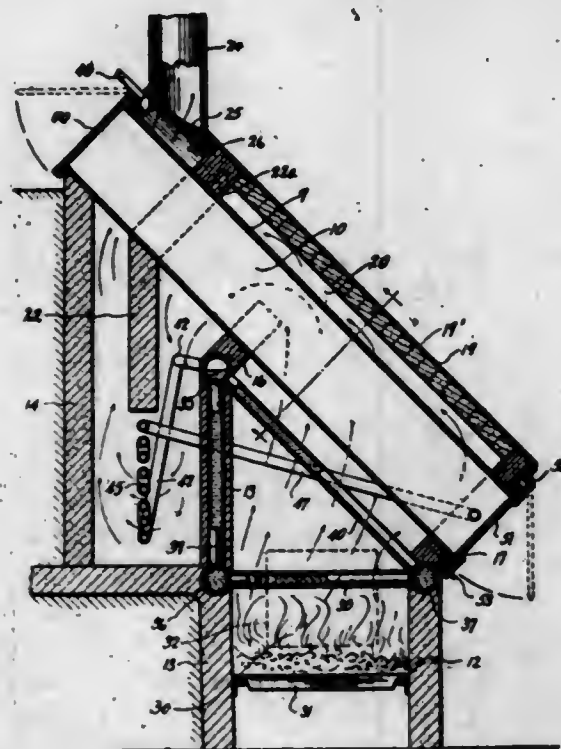
impeller and connected therewith, and a housing about the impeller having an intake and an outlet, a valve coaxial with the shaft and impeller, and formed with a stem, the shaft having a bore



receiving the stem, and a spring in the bore and engaging the stem to urge the valve into a closing position with respect to the inlet when pressure of fluid is relieved in the inlet.

2,385,731 RETORT

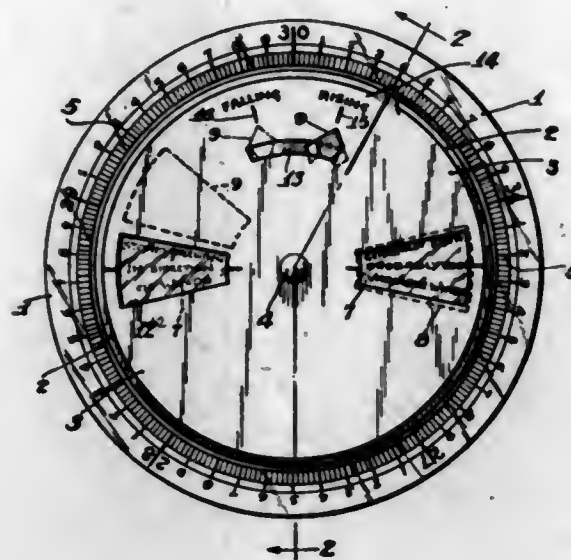
Elmer H. Records, Tacoma, Wash.
Application July 6, 1943, Serial No. 493,636
1 Claim. (Cl. 202—106)



A retort of the character described comprising an elongated, cylindrical reaction chamber equipped with doors at its ends, a furnace enclosing the said chamber and supporting it in an inclined position for gravity unloading of charges therefrom, and in a manner whereby its ends are exposed at opposite sides of the furnace for charging it through its upper end and unloading from its lower end; said furnace comprising a fire box and a combustion chamber, a boiler in the fire box comprising horizontal headers at the same level at inner and outer side walls of the fire box and a header at a higher level, directly above the header in the inside wall, water circulating pipes between the headers at the same level and between those in vertical spacing, and a bank of water heating pipes extended between the header of higher level and that in the outside wall, a steam pipe leading from the header at the higher level, and forming a coil in the combustion chamber for the superheating of steam; said coil having an outlet into the lower end of the retort, and said retort having a pipe leading from its upper end for the conduction of gases to a point of use.

2,385,732 BAROMETER INTERPRETER

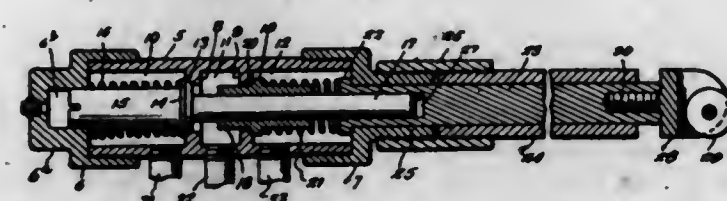
William Halbert Redding, Philadelphia, Pa.
Application July 16, 1943, Serial No. 495,020
6 Claims. (Cl. 35—1)



1. In a barometer interpreter, a base element carrying a barometric scale and a plurality of legends related to weather forecast and differing as to position with respect to the scale, and a second element relatively adjustable with respect to the base element to selective positions on the scale and having means effective in any scale position for indicating particular relationships between that position and at least two non-contiguous legends of said plurality, one of said relationships pertaining to a rising and the other to a falling barometric pressure and means for indicating which of said relationships pertains to the said rising and which to the said falling pressure.

2,385,733 CONTROL VALVE FOR WORK EJECTORS

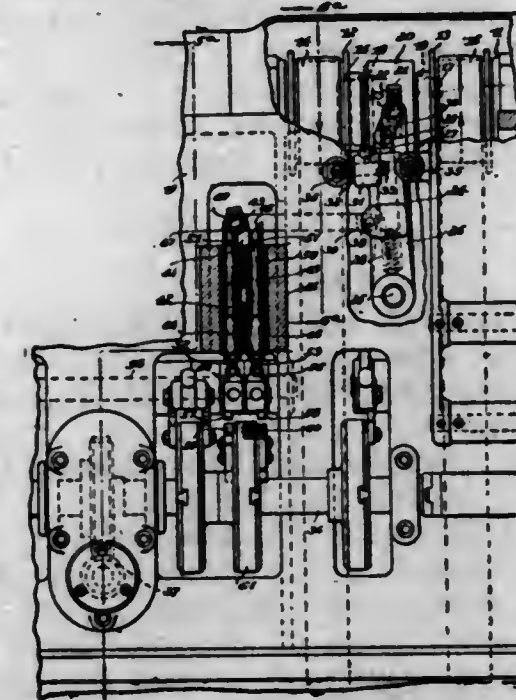
Paul Walter Schroer, Covington, Ky.
Application November 19, 1943, Serial No. 510,950
3 Claims. (Cl. 277—21)



1. A control valve for pressure-operated work ejectors, comprising a cylindrical valve body having a pair of spaced internal and axially apertured partitions defining three air chambers within the body, a pair of spring-seated valves seating toward each other against the respective partitions and normally closing communication between the end and the intermediate one of said chambers, an air pressure supply pipe communicating with one end chamber, an air exhaust pipe communicating with the other end chamber, a combined supply and exhaust pipe communicating with the intermediate chamber and adapted to extend to the actuating cylinder of an ejector, and tappet means for periodically opening one of said valves, and means whereby the seating spring of the other of said valves is placed under increased compression for more tightly seating the same when said first one of said valves is opened.

2,385,734 CLUTCH OPERATING MEANS

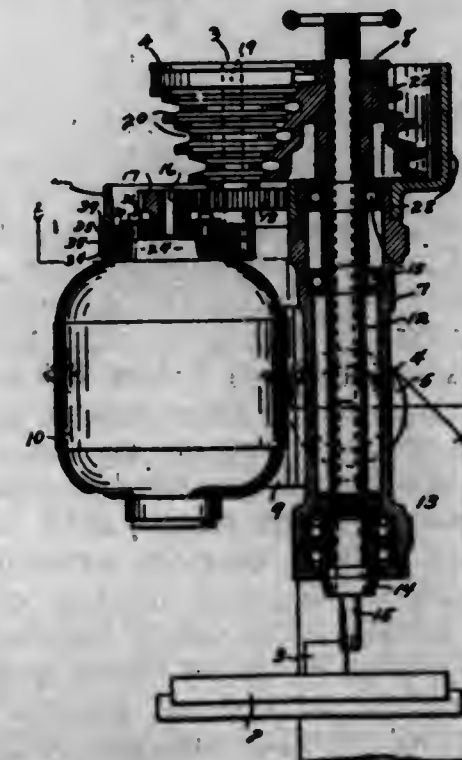
Frederick G. Silva and Wray S. Seymour, Rochester, N. Y., assignors to Davenport Machine Tool Co., Inc., Rochester, N. Y., a corporation of New York
Original application October 11, 1941, Serial No. 414,626. Divided and this application January 13, 1944, Serial No. 518,110
12 Claims. (Cl. 192—51)



1. In a machine having a spindle provided with means for rotating the same in opposite directions including a shipper lever for selectively connecting said means and spindle, the combination with said shipper lever of a link member pivoted thereto, a pivotally supported lever member, a part slidably mounted on one of said members and pivotally connected with the other, spring means for moving said part longitudinally to produce pivotal movement of said members, stops for limiting said pivotal movement of said members, and means for initiating movement of said members alternately from one of said stops to the other for disconnecting one of said means and connecting the other thereof to said spindle to reverse the rotation of said spindle.

2,385,735 MILLING HEAD ATTACHMENT FOR METAL- WORKING MACHINES

Charles E. Skelton, Syracuse, N. Y.
Application April 24, 1943, Serial No. 484,380
2 Claims. (Cl. 90—17)

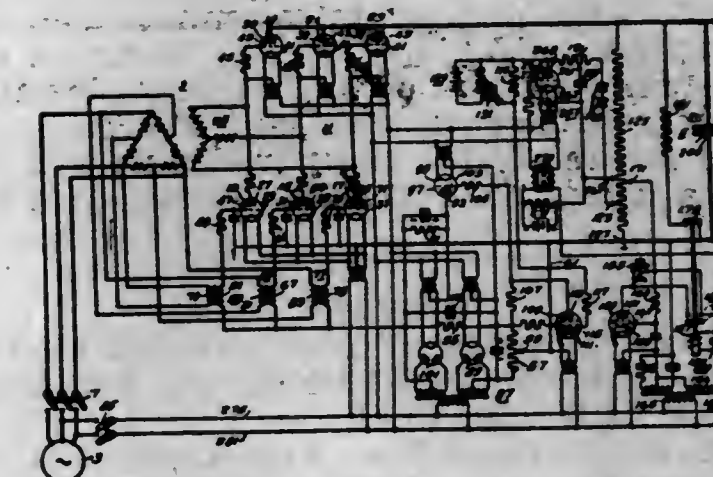


1. A milling head attachment for metal working machines including a body having a spindle
578 O. G.—39

support and means extending laterally from the intermediate portion of the support for attachment to the overhanging arm of the metal working machine, and also a bracket extending laterally from between the ends thereof for supporting a motor, a tool spindle journaled in the support, a motor mounted on the bracket with its shaft parallel to the axis of the spindle, a carrier mounted on the motor casing and having a rocking movement about the axis of the motor shaft, a pinion mounted on the motor shaft within the carrier, a gear meshing with the pinion, and a shaft therefor mounted in the carrier, the spindle extending above the support, pulley and belt means between the last shaft and the upper end of the spindle.

2,385,736 CAPACITOR CHARGING AND DISCHARGING CONTROL

Clyde E. Smith, Warren, Ohio, and Clarence B. Stadum, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 12, 1943, Serial No. 475,662
22 Claims. (Cl. 320—1)



1. In combination, a capacitor, means adapted to function as a source of periodically pulsating potential in circuit with said capacitor for supplying charging current thereto, electric discharge valve means of the arc-like type interposed between said source and capacitor for controlling the supply of charging current to said capacitor, control means connected to said valve means for rendering said valve means conductive at substantially the same instant early in each positive pulsation of said source, and means associated with said control means and responsive to the potential charge on said capacitor for causing said control means to render said valve means conductive at an instant gradually later in each succeeding positive pulsation as said capacitor potential increases above a preselected magnitude.

2,385,737 TEXTILE PRINTING COMPOSITION

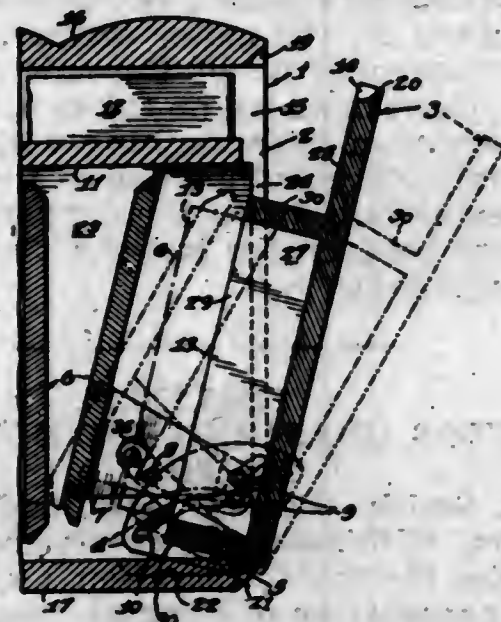
St. Clair Smith, Stamford, Conn.
No Drawing. Application November 8, 1940, Serial No. 364,885
6 Claims. (Cl. 106—39)

1. A textile printing composition which will successfully print on greige goods comprising a resinous binder dissolved in volatile solvent, and a terpene ether present in proportion greater than 2% and not more than 10%, the terpene compounds in said composition consisting essentially of said terpene ether.

2,385,738

CAM HINGE COMBINATION

Samuel John Stanton, Chicago, Ill., assignor to Patents Promotions Corporation, Chicago, Ill., a corporation of Illinois
Application May 2, 1942, Serial No. 441,503
16 Claims. (Cl. 312-155)



6. In combination with a stationary wall and two swingable walls, a cam hinge combination comprising a base member secured to the stationary wall, a hinge member secured to one of the swingable walls and pivotally connected to said base member, said hinge member having a cam slot therein composed of two confluent branches that diverge from each other, and a second hinge member secured to the other swingable wall and having a follower for travelling in said cam slot.

2,385,739

MOLDING COMPOSITION COMPRISING VERY PLASTIC POLYMERS OF CHLOROPRENE AND THE LIKE

Howard W. Starkweather, New Castle County, Del., and Frank N. Wilder, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 1, 1940,
Serial No. 338,382

15 Claims. (Cl. 260-23)

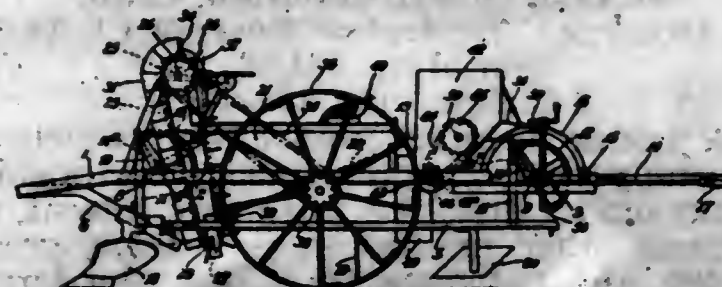
10. A composition for molding rubber-like articles which comprises a curing accelerator, 25 to 100 parts of a mixture of a halogenated hydrocarbon having a melting point between 20° C. and 153° C. and a fatty oil, and 100 parts of a polymeric derivative obtained by polymerizing chloro-2-butadiene-1,3 in the presence of sulfur and plasticizing the polymer until it has a plasticity number of from 0 to 30.

2,385,740

MACHINE FOR PLANTING POTATOES

William Thomas Teagle, Blackwater, St. Agnes, England

Application July 2, 1942, Serial No. 449,482
In Great Britain April 28, 1941
4 Claims. (Cl. 111-52)



1. A machine for planting potatoes comprising a wheeled framework, a banker frame movable

vertically in said framework, a share carried by said banker frame for opening a drill or furrow, mechanism for delivering potatoes to the drill, a skimming blade carried by said banker frame behind said opening share and mechanism for covering the sown seed with a light layer of soil, means carried by said framework behind said skimming blade for distributing fertilizer over said light layer of soil, said light layer of soil serving to protect the seed from direct contact with the fertilizer, a further blade carried by said banker frame behind said fertilizer distributing means for completely closing the drill after the fertilizer has been deposited, and means for driving said mechanism and fertilizer distributing means.

2,385,741

NITRILATION OF HYDROCARBONS

John W. Teter, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 15, 1940,
Serial No. 365,785

10 Claims. (Cl. 260-464)

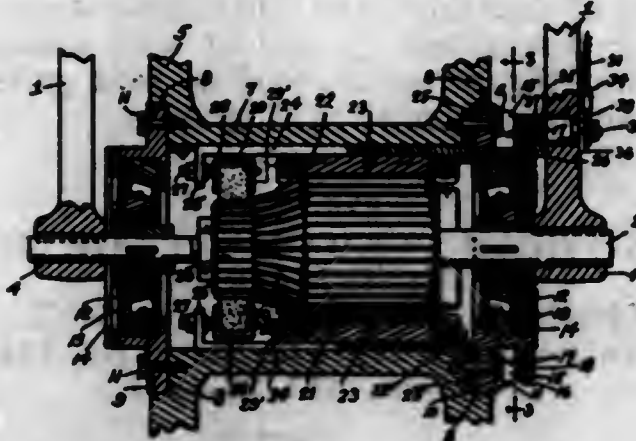
1. In the production of nitriles, the improvement which comprises reacting at an elevated temperature and pressure an olefine with anhydrous hydrocyanic acid in the presence of a catalyst in the form of a dispersed metal which is reducible from its compounds by means of hydrogen, which has been rendered active by hydrogenation and selectively promotes the nitrilation reaction.

2,385,742

LANDING GEAR FOR AIRCRAFT

Norman H. Tritt, Akron, Ohio

Application May 8, 1944, Serial No. 534,602
5 Claims. (Cl. 172-287)



1. In a landing gear for aircraft, forks, a stationary axle carried by and extending between said forks, a wheel having a hollow hub through which said axle passes axially thereof, having cups at ends of said hub mounting the wheel for turning about the axle, an insulating ring carried by one bearing cup, a slip ring mounted against said insulating ring, a brush holder carried by the adjoining fork, a brush in said holder urging towards said slip ring for conductive engagement therewith, an armature fixedly mounted about said axle, a field magnet about said armature, bars carrying said field magnet extending longitudinally in said hub and having outer end portions formed with side arms secured to the hub, there being also arms at inner ends of the bars, brush holders carried by the inner arms and provided with brushes making contact with the armature, and a lead wire for the field extending out of the hub and attached to the slip ring.

2,385,743

SHOE

Samuel B. Valsey, Rochester, N. Y., assignor of one-half to Robert A. Bristol, Rochester, N. Y.
Application February 16, 1943, Serial No. 476,037
4 Claims. (Cl. 36-8.5)

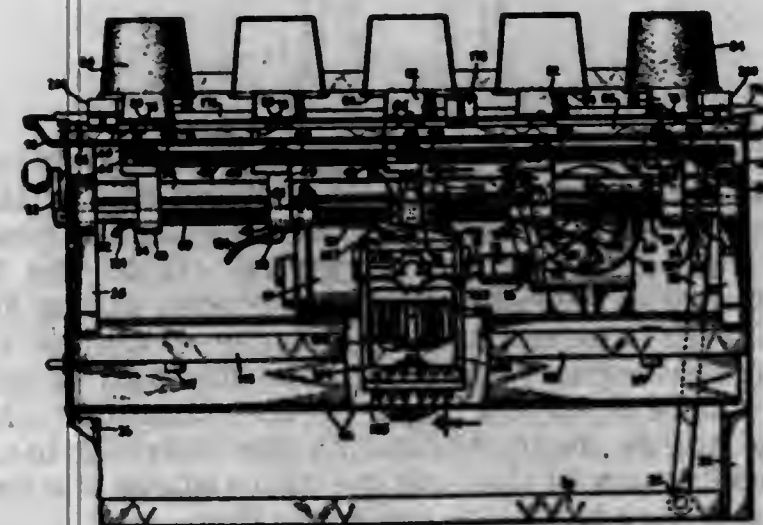


1. A shoe comprising an upper portion having rear edge portions spaced from one another in the back part of the shoe from the heel to the top of said upper portion, a sole having a tongue extending from the rear extremity of its body portion to the top of said upper portion and lying between said rear edge portions and constituting the only upper element in the portion of the shoe where it is located, and means for securing the lower edge portions of said upper portion to the edge portions of the body of the sole and the spaced rear edge portions of said upper portion to the lateral edge portions of said tongue, said means consisting of a single stitched seam joining the outwardly turned adjacent edge portions of said upper portion, sole and tongue and extending from the upper end of one lateral margin of said tongue downwardly to the body portion of the sole and around the sole to the opposite lateral margin of said tongue and upwardly to the upper end of said margin, said seam being entirely external of the shoe.

2,385,744

PAN GREASER

John R. Vickery, Jr., Glen Rock, Pa., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application October 15, 1942, Serial No. 462,196
15 Claims. (Cl. 91-39)



6. Pan greasing machine including a plurality of rotatably mounted brushes, a grease pump and means for feeding grease from said pump to said brushes, power-driven means adapted to operate said pump, pump operating means co-operable with said power-driven means but normally in-operatively related thereto, pan weight responsive means, and a connecting means between said

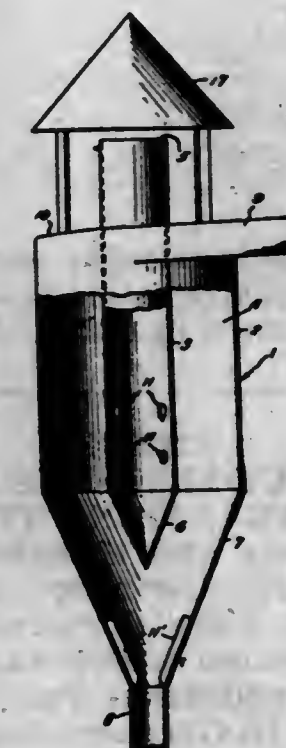
pump operating means and said pan weight responsive means for putting said pump operating means in operative relation to said power-driven means when actuated by said pan weight responsive means, said connecting means operating to automatically release said pump operating means from said power driven means after one grease ejecting stroke of said operating means, irrespective of the position of said pan weight responsive means.

2,385,745

CYCLONE SEPARATOR

Joseph F. Vogt, New Orleans, La.

Application February 5, 1941, Serial No. 377,563
5 Claims. (Cl. 183-81)



1. Cyclone comprising a casing having a cylindrical upper portion and a coaxial inverted frusto-conical lower portion terminating in a dust discharge pipe, a clarified air discharge pipe extending coaxially through the cylindrical portion, terminating adjacent the plane of juncture of said upper and lower portions and defining with said cylindrical portion an annular centrifugal chamber, a downwardly spiralling air inlet conduit forming the top closure of said centrifugal chamber communicating tangentially therewith and being substantially the full width of said centrifugal chamber, the lower end of said clarified air discharge pipe being closed, said clarified air discharge pipe having lateral openings communicating with said centrifugal chamber, confined to the portion of said pipe within said centrifugal chamber.

2,385,746

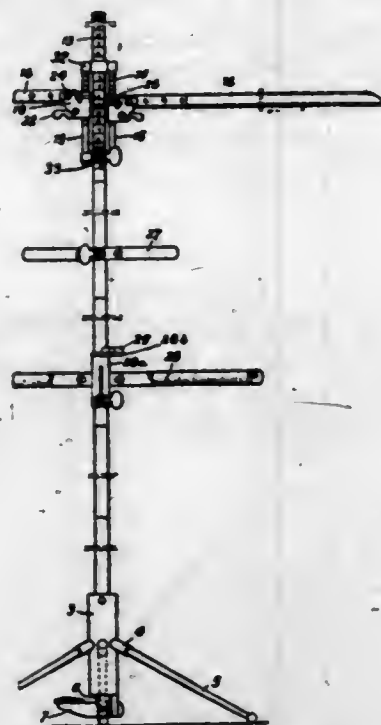
DEVICE FOR DEFINING THE BASE LINES ON THE HUMAN BODY FOR TAKING THE MEASURE

Lena von Däniken, Schaffhausen, and Josef Geisser, Locerne, Switzerland

Application January 11, 1943, Serial No. 472,044
In Switzerland September 11, 1941
1 Claim. (Cl. 32-8)

A measuring device comprising a support, an upright pillar mounted on said support having a graduated scale on the upper part thereof, a slide movable along said pillar and including guide rods disposed substantially parallel to said pillar, arms movable independently in the longi-

tudinal direction and circumferentially of said rods, means for securing said arms in longitudinally adjusted position, means for mounting



said arms about horizontal axes whereby they may be swung to inoperative position, and means for locking said arms in horizontal position.

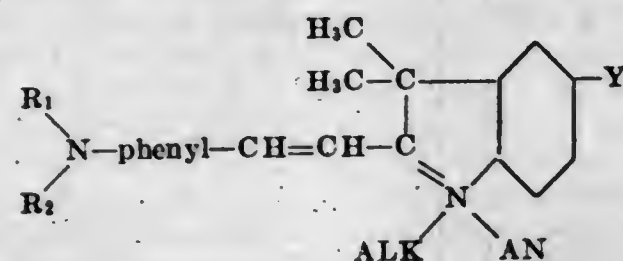
2,385,747

POLYMETHINE DYESTUFFS AND PROCESS OF PREPARING THEM

Hans von Freyberg and Heinrich Koch, Frankfurt-on-the-Main, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 24, 1940, Serial No. 347,302. In Germany August 17, 1939

2 Claims. (Cl. 260-240)

1. The dyestuffs of the formula



wherein R_1 is a member of the group consisting of methyl, ethyl, and chloroethyl groups; R_2 is a member of the group consisting of isoamyl, iso-octyl, and isoheptyl groups; Y is a member of the group consisting of hydrogen and methoxy; AN means anion; and ALK means alkyl which dye acetate silk red-violet and bluish-red tints.

2,385,748

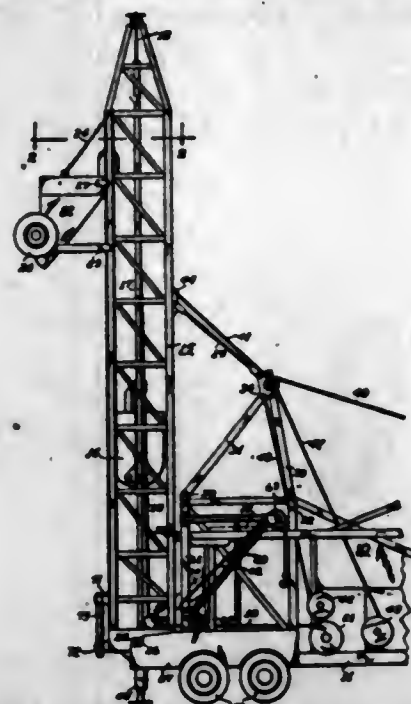
VEHICLE MOUNTED TOWER

Harold A. Wagner and Gustave H. Wagner, Portland, Oreg.

Application October 19, 1943, Serial No. 506,851
9 Claims. (Cl. 214-120)

1. A mobile concrete mixing apparatus comprising a vehicle frame, a mixer drum mounted on said frame, a pair of opposite side frame portions extending rearwardly behind said vehicle, an elevator tower unit, a pair of trunnions extending outwardly from the opposite sides of the base portion of said tower unit, bearing seats in said side frame portions for cooperatively receiving said trunnions, a hoist bucket on said tower, chute means for loading concrete mix from said drum into said bucket, said chute means extending be-

tween said side frame portions, said tower being removable from said side frame portions to provide access therebetween to said chute for other concrete conveying apparatus.



vide access therebetween to said chute for other concrete conveying apparatus.

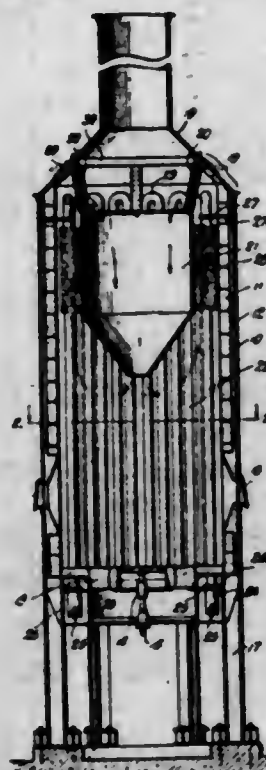
2,385,749

HEATER

John S. Wallis, Darien, and John W. Throckmorton, Wilton, Conn., assignors to Petro-Chem Process Company, Incorporated, New York, N. Y., a corporation of Delaware

Application April 29, 1944, Serial No. 533,421

1 Claim. (Cl. 122-356)



In a furnace of the vertical type comprising an upright chamber fired at the bottom and with a flue gas discharge at the top wherein tubular heat exchange elements are arranged about the interior wall, a funnel shaped baffle open at top and bottom in the upper part of the chamber between the source of heat and the flue and adjustable closures in the wall of the chamber at a point higher than the baffle for introducing a tempering gas to the heating gases above the baffle but before the gases enter the flue.

2,385,750

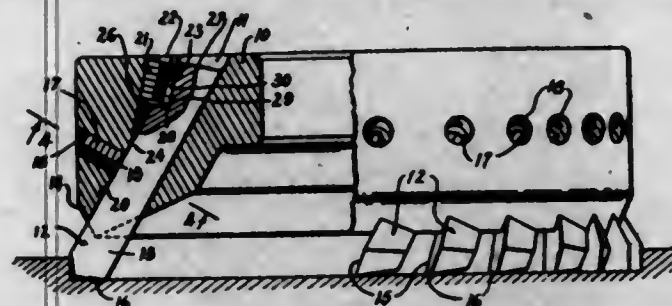
METAL REMOVING TOOL

Ralph R. Weddell, Rochester, N. Y.
Application May 10, 1943, Serial No. 486,406

9 Claims. (Cl. 29-105)

1. A cutting tool having, in combination, a body having an elongated blade recess open at one end and providing a V-shaped seat along one side,

an elongated blade of generally triangular cross-section disposed in and adjustable along said recess with one end having a cutting edge thereon and projecting from the body through said open end, the opposite end of the blade having a surface at said end set at an obtuse included angle relative to one side of the blade, a threaded hole in said body intersecting said recess and disposed substantially perpendicular to said end



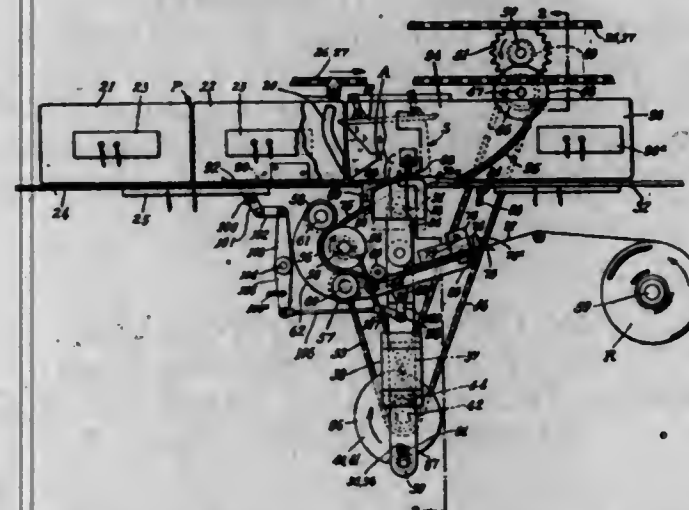
surface, a niche formed in said blade and having a surface spaced from and disposed substantially parallel to said end surface, a screw threading into said hole and engageable selectively with either of said surfaces depending on the axial position of said blade and defining an adjustable rear abutment for the blade, and means engageable with said blade to press the same laterally against said seat.

2,385,751

PACKAGE SEALING STRIP APPLYING MECHANISM

Leon V. Whipple, Floral Park, and Samuel W. Pollock, Brooklyn, N. Y., assignors to American Machine and Foundry Company, a corporation of New Jersey

Application February 12, 1942, Serial No. 430,598
37 Claims. (Cl. 93-2)



1. In a strip sealing mechanism, a package runway provided with a strip sealing station, and means for moving packages to be sealed through said runway and to said station, means for mounting a roll supply of relatively wide web strip sealing material beneath said runway, means for feeding said strip sealing material beneath said runway and in the direction of movement of a package located at said station to receive said strip, means for cutting a short length from the leading end of said web, means for raising said length and affixing an edge thereof to said package, and means for moving said package from said station along said runway to complete the application of said length thereto.

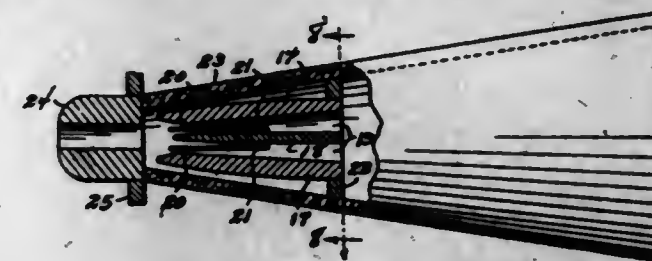
2,385,752

SUBSTITUTE FOR TIN HORNS

John Elwood Wilson, Watertown, Pa.
Application May 31, 1944, Serial No. 538,181
3 Claims. (Cl. 46-181)

1. A horn of the kind described, comprising a conical shaped non-metallic body, a mouthpiece

of non-metallic material joined with the body at its smaller end, a sectional non-metallic throat core within the mouthpiece and having a divid-



ing plate fitted therewith, the throat core being an air course through the mouthpiece, and tongue-like non-metallic sound producing means in the throat core and intercepting the air course.

2,385,753

HYDRAULIC ROLLER-BEARING DIRECTIONAL PRESSURE WEDGE

Melvin C. Young, Springfield, Ill.
Application November 3, 1943, Serial No. 508,823
1 Claim. (Cl. 262-12)



A pressure breaker for coal mines and adapted to be used in the coal face of a mine, with drill holes for receiving the wedge and with undercuts below the holes in such wall, and comprising, a pair of opposed pressure bars, a tapered smooth pressure wedge between said bars, a plurality of flanged roller bearings, operatively spaced along the approximate length of said wedge on opposed sides thereof and between it and the two pressure bars respectively, a hydraulic plunger unit including a cylinder, a hydraulic fluid intake therefor, a plunger piston adapted to operatively exert an abutting pressure contact with the outer end of said pressure wedge, jointed opposed pairs of supporting arms establishing operative connection between said hydraulic plunger cylinder and said pressure bars and wedge, said flanges of said roller bearings adapted to guide said bars and pressure wedge into an efficient operating relation when the pressure wedge receives an application of hydraulic plunger pressure against its outer end for breaking down coal and the like.

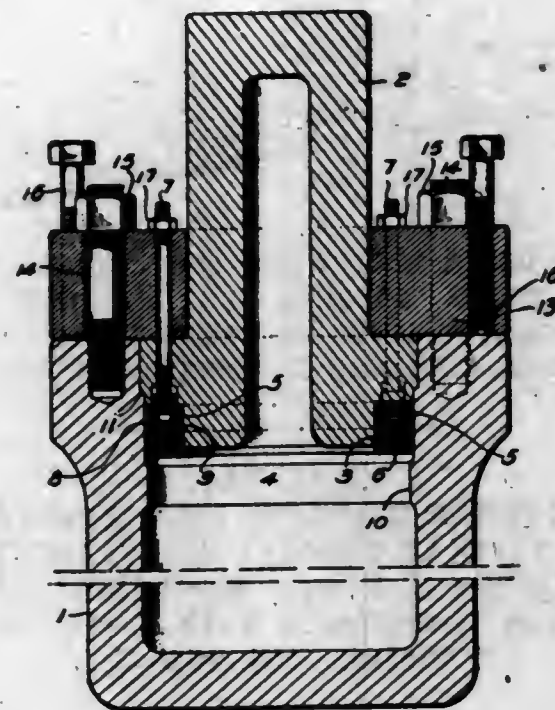
2,385,754

SEAL FOR PRESSURE VESSELS

Henry D. Baker, New York, N. Y., assignor to Chemical Construction Corporation, New York, N. Y., a corporation of Maine
Application September 10, 1943, Serial No. 501,800
2 Claims. (Cl. 220-46)

1. A pressure vessel for holding fluids under superatmospheric pressure comprising a cylindrical body, a removable head for the pressure vessel extending into the body of said cylindrical body and having a cut out recess forming an annular space with the interior wall thereof, a gasket and retaining ring in said annular space the retaining ring having a wedge-like face bearing upon the gasket, stud bolts extending from the retaining ring through the gasket and closure head adapted to hold and deform the gasket material against the wall of the pressure vessel and its head, a clamping ring overlapping the end of the cylindrical body and head and stud bolts projecting from the end of the body of the pres-

sure vessel and extending through said clamping ring whereby the head may be held in place



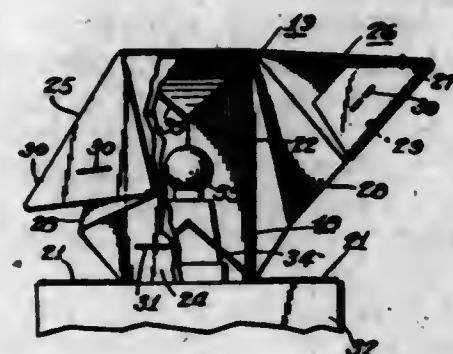
against the fluid pressure within the pressure vessel.

2,385,755

LIGHT RESTRICTING DEVICE

John B. Bartow, Blue Bell, Pa., assignor to Bartow Beacons, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application September 15, 1942, Serial No. 458,395
7 Claims. (Cl. 240-1)



1. A light-restricting device, comprising a semi-rigid band in the form of a closed loop adapted to embrace a portion of a light-emitting device, a light mask integral with said band and arranged so as to be disposed in the path of the emitted light, a collapsible hood carried by said band and adapted to effect different degrees of restriction of the light, and means operatively associated with said hood to effect snap movement of the same to its extended or retracted position whenever the hood is moved a predetermined amount toward either position.

2,385,756

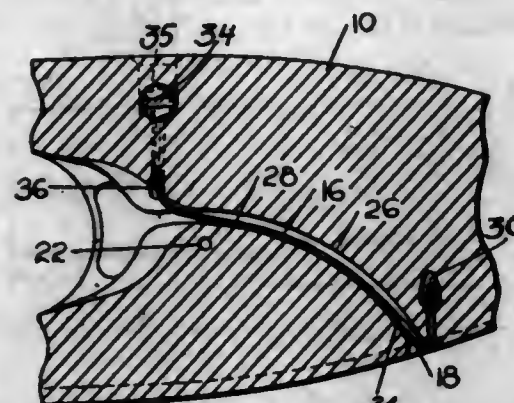
SHUTTLE

Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application October 28, 1944, Serial No. 560,804
8 Claims. (Cl. 139-223)

1. A shuttle for an automatic bobbin changing loom having a side delivery eye and a forwardly

and outwardly extending passage communicating with said side delivery eye and arranged to receive an incoming filling end during the first pick of the shuttle after transfer of a bobbin



thereto, and a flexible guiding member bearing against one wall of said passage and arranged to deflect said filling end forwardly and downwardly into said side delivery eye during said first pick after transfer.

2,385,757

STABILIZATION OF MOTOR FUELS

Elmer W. Cook, New York, N. Y., and William D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 29, 1941,
Serial No. 421,034

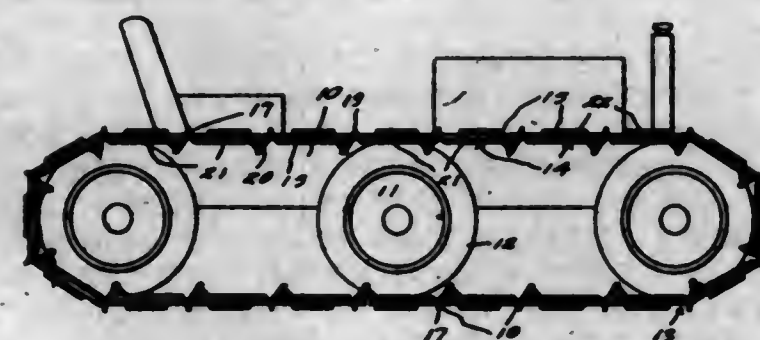
6 Claims. (Cl. 44-74)

1. A motor fuel containing unsaturated hydrocarbons which normally tend to develop gums, stabilized against said gum formation by the presence of a small amount of N,N'-di-cycloaliphatic-p-phenylene diamine.

2,385,758

OPEN-CENTER SNOW TRACK

Walter H. Hansen, Ephraim, Utah
Application October 8, 1943, Serial No. 505,522
3 Claims. (Cl. 305-10)

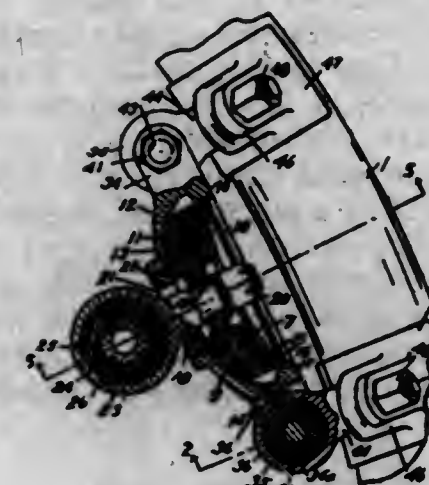


1. An endless track of the class described, consisting of articulate sections, each section consisting of laterally spaced apart plates, bars rigidly joining the plates at one end of the plates and adapted for tractive engagement with wheels, means pivotally connecting the plates together at their ends, and scraper means connected to the plates and crossing said space.

2,385,759

RESILIENT MOUNTING

Richard C. Henshaw, Erie, Pa., assignor to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application February 17, 1941, Serial No. 379,260
28 Claims. (Cl. 248-5)



1. A mounting comprising plates with opposing faces, yielding material such as rubber between the plates, the plates stressing the material in shear with a relative edgewise movement of the plates in any direction generally parallel with the faces thereof, attaching means connected by a joint to one of the plates and swinging with a substantially constant relation to a relatively fixed axis extending in the general direction of the plates, and an attaching means connected by a universal joint to the other of the plates and swinging on sliding surfaces.

27. A mounting system for a body subjected to rotative vibratory action comprising a support, a plurality of mountings connecting the body to the support and having elements that yield to rotating and angular vibrations about the axis of the body, said mountings being positioned at intervals around the axis of the body and being formed to provide axially spaced points of restraint along the axis of the body, a first point of restraint being approximately at the plane of the mountings and a second point of restraint being offset axially in the general direction of the center of gravity of the body, said points of restraint locating a resulting virtual point of restraint intermediate the spaced points of restraint, and said mountings including means for modifying the action of the yieldable mountings under stress, said modifying means being effective to change the resistance at a third point of restraint and to add sustaining restraint and to move the point of virtual restraint of the body toward the plane of the mountings and to increase the resistance to movement of the body.

2,385,760

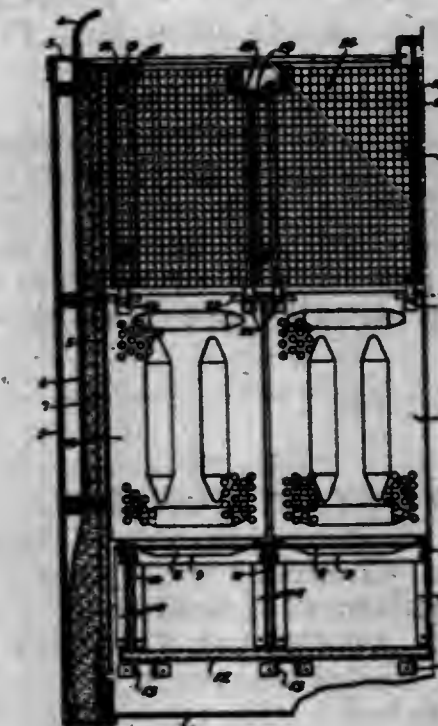
SCREEN FOR REFRIGERATOR CARS

Charles S. Johnston, Glencoe, Ill., assignor to Transportation Specialties Co., Chicago, Ill., a corporation of Illinois

Application May 29, 1944, Serial No. 537,777
5 Claims. (Cl. 62-15)

1. A screen for a refrigerator car comprising a plurality of parallel channel shaped strips adapted to have their webs secured to the car wall with their flanges extending outwardly therefrom, the flanges of said strips being per-

forated to provide for air circulation, the edges of the flanges being bent over at right angles,



and a flat perforated screen overlying and secured to the bent over edges of the flanges.

2,385,761

PRODUCTION OF AMINOPYRIMIDINES

Lucas P. Kyrides, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application April 22, 1944,
Serial No. 532,363

7 Claims. (Cl. 260-251)

1. A process for producing an aminopyrimidine which comprises dispersing a halogenated aminopyrimidine in liquid ammonia, reacting metallic sodium with the dispersed halogenated aminopyrimidine, decomposing the sodamide formed in the reaction and recovering the aminopyrimidine from the reaction mixture.

2,385,762

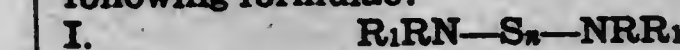
STABILIZED SILVER HALIDE EMULSIONS

Fritz W. H. Mueller, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application July 1, 1944,
Serial No. 543,203

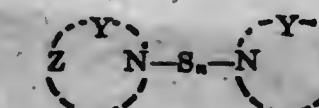
9 Claims. (Cl. 95-7)

1. A photographic material comprising a silver-halide gelatin emulsion in contact with a member of the group consisting of a sulfinic acid, a seleninic acid and their salts, and an organic sulfide compound selected from the group consisting of aryl-substituted diamino and N-heterocyclic mono- and polysulfides having the following formulae:



and

II.



wherein R stands for an aryl radical, R₁ a member of the group consisting of hydrogen, alkyl, and aryl, n is a positive integer, Y is a member of the group consisting of N, O, S, and -CH₂-, and Z represents the remaining components necessary to complete up to a 6-membered heterocyclic ring.

2,385,763

PHOTOGRAPHIC DEVELOPERS

Verne H. Reckmeyer, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 19, 1942,
Serial No. 443,559

4 Claims. (Cl. 95—88)

1. A photographic developer comprising in combination an N-mono alkyl o-amino phenol, and an alkali metal salt of a 2[di(hydroxy-ethyl)]-amino-1-hydroxy benzene which upon oxidation sets free limited amounts of alkali said developer being initially free of alkali.

2,385,764

SAP-STAIN CONTROL

Roland Smith Shumard, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 7, 1942,
Serial No. 429,951

3 Claims. (Cl. 167—38.7)

2. A green-wood mold and sap-stain control agent which contains as its active constituent a mixture of sodium 8-quinolinolate and sodium pentachlorophenate.

2,385,765

TEXTILE FINISHING

Jack T. Thurston, Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 30, 1941,
Serial No. 409,112

16 Claims. (Cl. 117—139.5)

2. A method of finishing textiles which comprises the step of applying thereto a finishing agent containing an aldehyde condensation product of a water-insoluble guanamine having a member of the group consisting of aliphatic and cycloaliphatic radicals containing at least seven carbon atoms directly attached to the 2-carbon atom thereof by a carbon-to-carbon bond and then heating the textiles to dry and set the finish on the fibers.

2,385,766

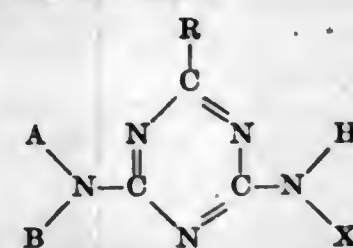
GUANAMINES IN TEXTILE FINISHING

Jack T. Thurston, Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 30, 1941,
Serial No. 409,113

3 Claims. (Cl. 117—161)

1. A method of finishing textiles which comprises the steps of applying thereto a formalde-

hyde condensation product of an N-substituted guanamine of the formula



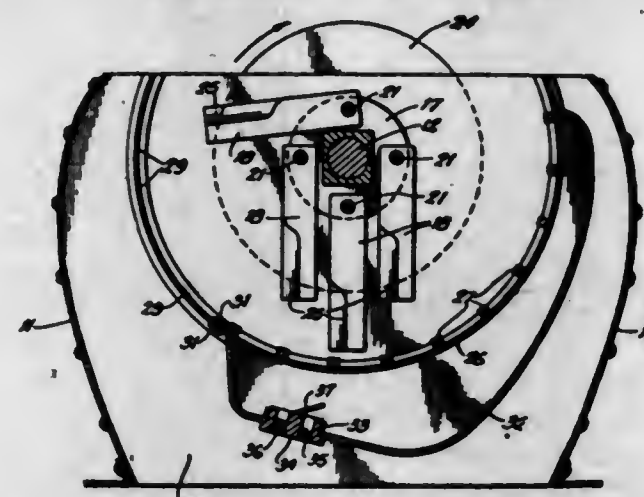
in which R is a member of the group consisting of hydrogen and carbon-containing monovalent radicals connected to the 2-carbon atom of the aminotriazine nucleus by a carbon-to-carbon bond, A and B are members of the group consisting of hydrogen and monovalent substituents for hydrogen and X is a member of the group consisting of aliphatic, cycloaliphatic and mononuclear aromatic radicals and in which a total of at least 7 carbon atoms is contained in the groups R, X, A and B, and then heating the textiles to cure the guanamine-formaldehyde condensation product thereon.

2,385,767

TRITURATING MACHINE

Harold H. Wagner, Cincinnati, Ohio, assignor to The W. J. Fitzpatrick Company, Chicago, Ill., a corporation of Illinois
Application January 7, 1942, Serial No. 425,865

3 Claims. (Cl. 241—66)



1. A tritulating machine comprising a casing having an open bottom and spaced side walls, a shaft extending through the side walls and rotatable therein, a plurality of blades carried by the shaft in the casing, an arcuate closure plate for the bottom of the casing formed with a series of axially extending ribs, a screen plate adjacent one end of the closure plate forming an outlet for tritured material, and a jacket overlying and secured to and supported solely by the outer surface of the closure plate for holding heating or cooling material in contact therewith, the side walls of the casing being formed with arcuate grooves to receive and support the edges of the closure plate and screen and the jacket being narrower than the closure plate to leave the edges thereof free to enter said grooves.

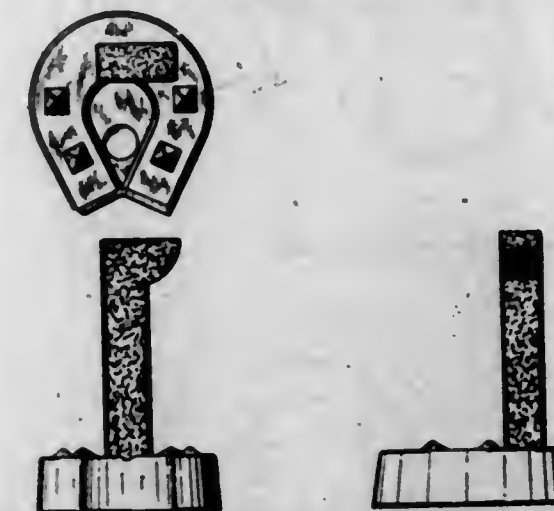
DESIGNS

SEPTEMBER 25, 1945

142,368

DESIGN FOR A CANDLE HOLDER

Ralph A. Ajello, New York, N. Y.
Application February 26, 1945, Serial No. 118,133
Term of patent 7 years
(Cl. D48—2)

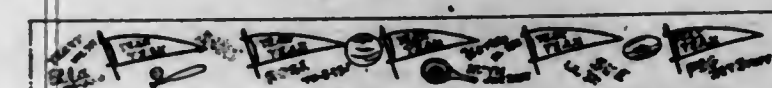


The ornamental design for a candle holder, as shown.

142,369

DESIGN FOR HAT BANDING OR THE LIKE

Ben Beckhoff, New York, N. Y., assignor to Adam Hat Stores, Inc., New York, N. Y., a corporation of New York
Application May 10, 1945, Serial No. 119,486
Term of patent 7 years
(Cl. D92—1)

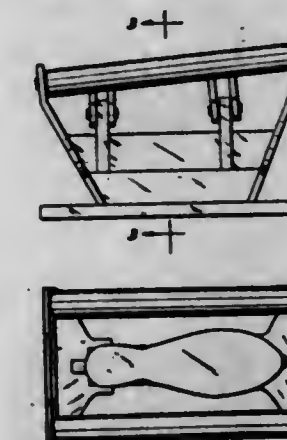


The ornamental design for hat banding or the like, as shown.

142,370

DESIGN FOR A SHOE SHINING RACK

Clare P. Bieger, Chagrin Falls, Ohio
Application April 27, 1945, Serial No. 119,255
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a shoe shining rack, as shown.

142,371

DESIGN FOR A WRIST WATCH

Ivan Bloch, Hartsdale, N. Y.
Application June 11, 1945, Serial No. 120,010
Term of patent 14 years
(Cl. D42—8)

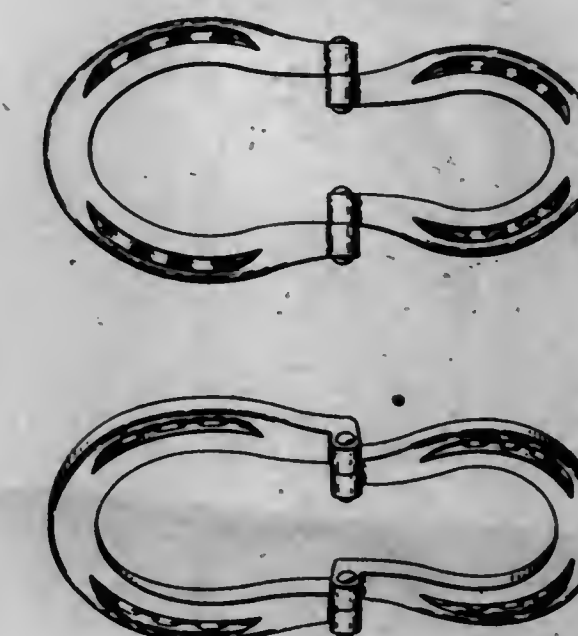


The ornamental design for a wrist watch, substantially as shown.

142,372

DESIGN FOR A HINGE

Fulton Brown, Winchester, Mass.
Application January 31, 1945, Serial No. 117,687
Term of patent 14 years
(Cl. D10—9)



The ornamental design for a hinge, as shown.

142,373

DESIGN FOR AN EARRING CLASP

Gretyl E. Carson, New York, N. Y.
Application September 23, 1944, Serial No. 115,432
Term of patent 14 years
(Cl. D45-9)



The ornamental design for an earring clasp, as shown.

142,374

DESIGN FOR A SALT SHAKER OR SIMILAR ARTICLE

Edwin G. Cobelli and Donald N. McDougal,
Miami, Fla.
Application June 27, 1945, Serial No. 120,366
Term of patent 14 years
(Cl. D44-22)

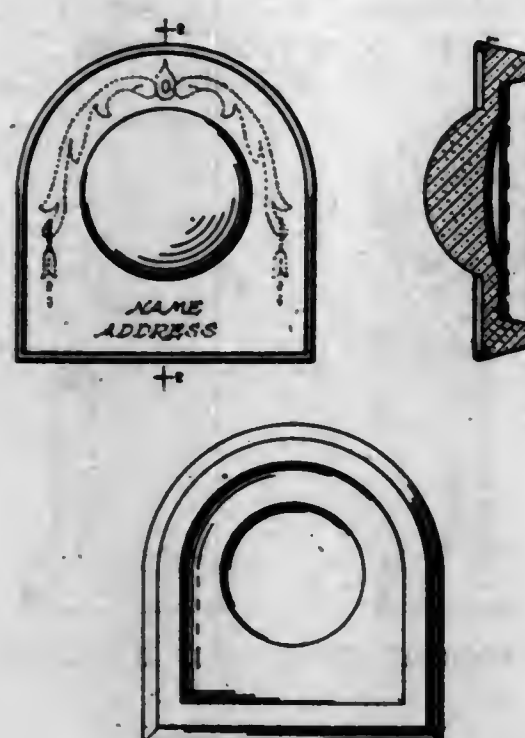


The ornamental design for a salt shaker or similar article, as shown.

142,375

DESIGN FOR A LENS OR SIMILAR ARTICLE

George M. Cressaty, New York, N. Y.
Application May 9, 1945, Serial No. 119,467
Term of patent 14 years
(Cl. D48-1)



The ornamental design for a lens or similar article, substantially as shown and described.

142,376

DESIGN FOR A CONTAINER CAP

Philip A. Derham, Rosemont, Pa., assignor to
Victor Metal Products Corporation, Brooklyn,
N. Y., a corporation of New York
Application April 9, 1945, Serial No. 118,913
Term of patent 14 years
(Cl. D58-26)

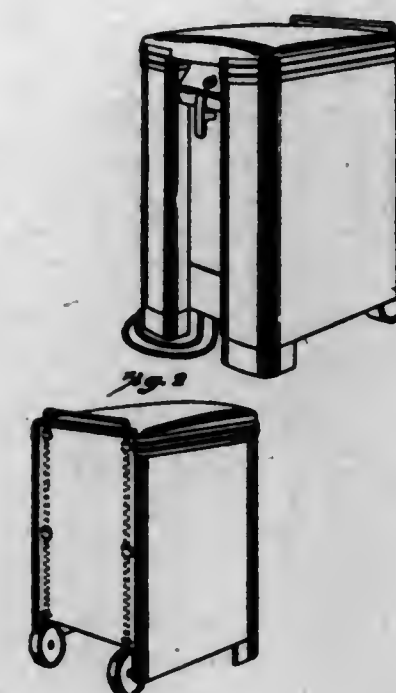


The ornamental design for a container cap, substantially as shown.

142,377

DESIGN FOR AN ELECTRIC ARC WELDER

Ulysses S. Dunn, Aurora, Ill.
Application August 14, 1944, Serial No. 114,877
Term of patent 14 years
(Cl. D26-5)

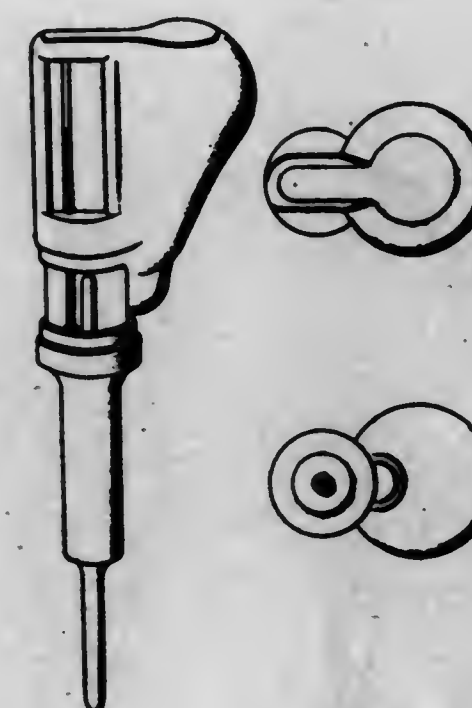


The ornamental design for an electric arc welder, substantially as shown and described.

142,378

DESIGN FOR A THERMOHYDROMETER OR THE LIKE

Leo Edelmann, Chicago, Ill.
Application December 29, 1944, Serial No. 117,155
Term of patent 14 years
(Cl. D52-7)

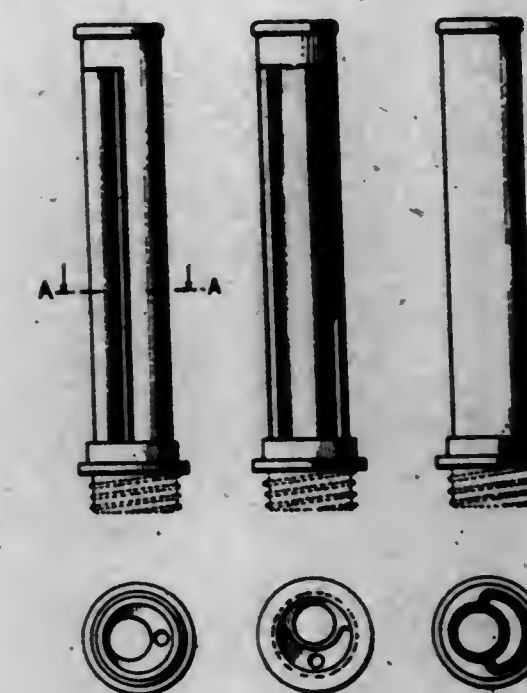


The ornamental design for a thermohydrometer or the like, substantially as shown.

142,379

DESIGN FOR A HYDROMETER JAR OR THE LIKE

Leo Edelmann, Chicago, Ill.
Application December 29, 1944, Serial No. 117,156
Term of patent 14 years
(Cl. D52-7)



The ornamental design for a hydrometer jar or the like, substantially as shown and described.

142,380

DESIGN FOR A HYDROMETER OR THE LIKE

Leo Edelmann, Chicago, Ill.
Application December 29, 1944, Serial No. 117,157
Term of patent 14 years
(Cl. D52-7)



The ornamental design for a hydrometer or the like, substantially as shown and described.

142,381

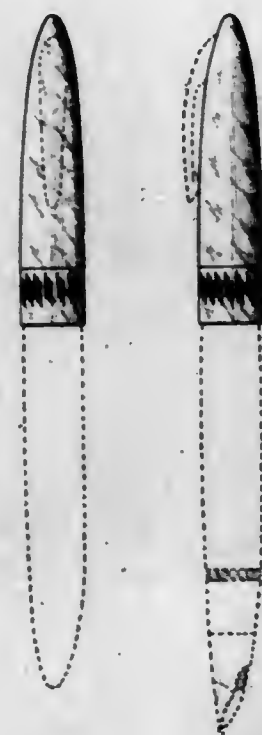
DESIGN FOR A FOUNTAIN PEN OR THE LIKE
Ned D. Fish and Lynn P. Martin, Fort Madison, Iowa, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application November 17, 1944, Serial No. 116,367
Term of patent 14 years
(Cl. D74-17)



The ornamental design for a fountain pen or the like, substantially as shown and described.

142,382

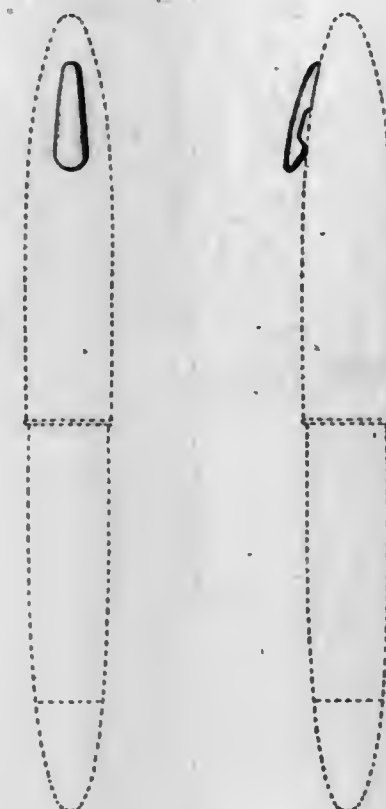
DESIGN FOR A FOUNTAIN PEN
Ned D. Fish and Lynn P. Martin, Fort Madison, Iowa, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application November 17, 1944, Serial No. 116,368
Term of patent 3½ years
(Cl. D74-17)



The ornamental design for a fountain pen, substantially as shown and described.

142,383

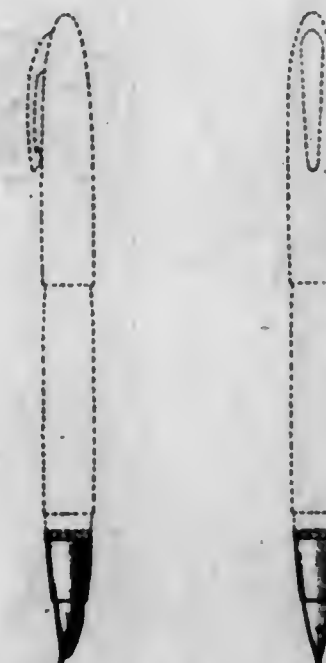
DESIGN FOR A FOUNTAIN PEN OR THE LIKE
Lynn P. Martin, Fort Madison, Iowa, assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application November 17, 1944, Serial No. 116,370
Term of patent 14 years
(Cl. D74-17)



The ornamental design for a fountain pen or the like, substantially as shown and described.

142,384

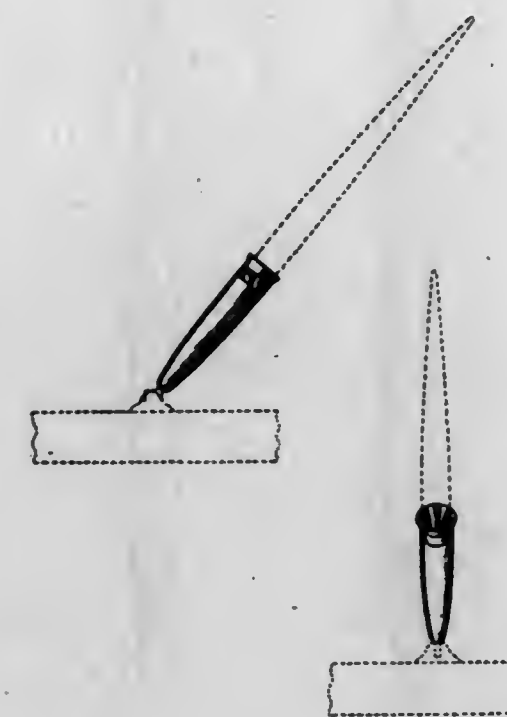
DESIGN FOR A FOUNTAIN PEN
Lynn P. Martin, Fort Madison, Iowa
Application November 17, 1944, Serial No. 116,371
Term of patent 14 years
(Cl. D74-17)



The ornamental design for a fountain pen, substantially as shown and described.

142,385

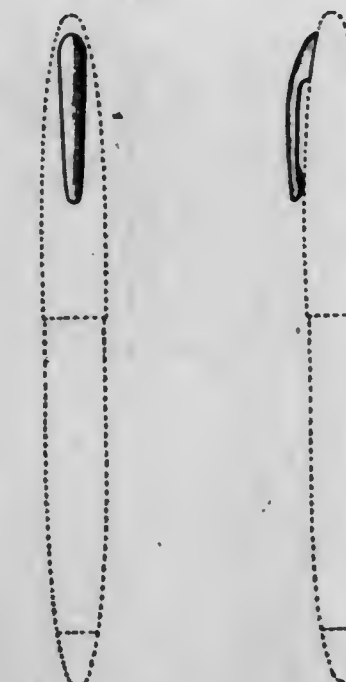
DESIGN FOR A FOUNTAIN PEN DESK STAND UNIT
Wilbur K. Olson, Fort Madison, Iowa, assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application November 17, 1944, Serial No. 116,372
Term of patent 14 years
(Cl. D74-1)



The ornamental design for a fountain pen desk stand unit, substantially as shown and described.

142,386

DESIGN FOR A FOUNTAIN PEN OR THE LIKE
Wilbur K. Olson, Fort Madison, Iowa, assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application November 17, 1944, Serial No. 116,374
Term of patent 14 years
(Cl. D74-17)



The ornamental design for a fountain pen or the like, substantially as shown and described.

142,387

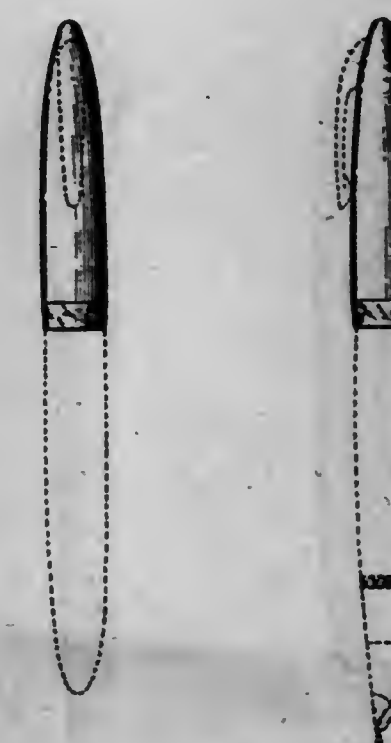
DESIGN FOR A FOUNTAIN PEN OR THE LIKE
Wilbur K. Olson, Fort Madison, Iowa, assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application November 17, 1944, Serial No. 116,377
Term of patent 14 years
(Cl. D74-17)



The ornamental design for a fountain pen or the like, substantially as shown and described.

142,388

DESIGN FOR A FOUNTAIN PEN
Wilbur K. Olson, Fort Madison, Iowa
Application November 17, 1944, Serial No. 116,378
Term of patent 14 years
(Cl. D74-17)

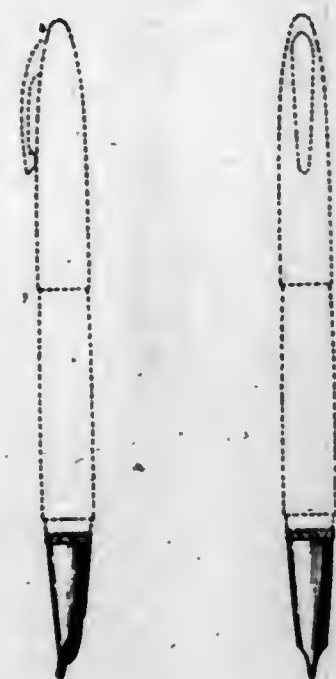


The ornamental design for a fountain pen, substantially as shown and described.

142,389

DESIGN FOR A FOUNTAIN PEN

Wilbur K. Olson, Fort Madison, Iowa, assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application November 17, 1944, Serial No. 116,380
Term of patent 14 years
(Cl. D74-17)

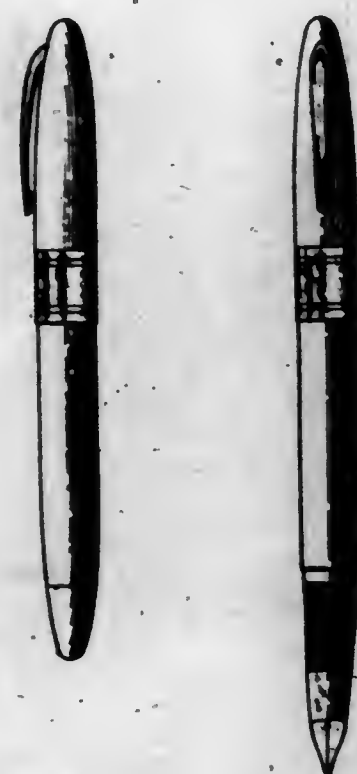


The ornamental design for a fountain pen, substantially as shown and described.

142,390

DESIGN FOR A FOUNTAIN PEN

Wilbur K. Olson and Lynn P. Martin, Fort Madison, Iowa, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application November 17, 1944, Serial No. 116,382
Term of patent 14 years
(Cl. D74-17)

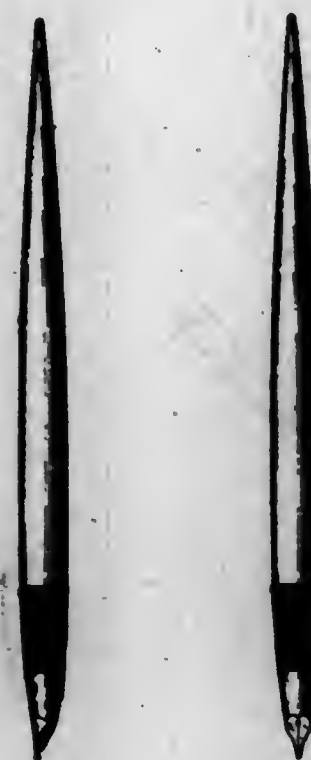


The ornamental design for a fountain pen substantially as shown.

142,391

DESIGN FOR A DESK PEN

Herman K. Stempel, Fort Madison, Iowa, assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application November 17, 1944, Serial No. 116,383
Term of patent 14 years
(Cl. D74-17)



The ornamental design for a desk pen, substantially as shown.

142,392

DESIGN FOR A FOUNTAIN PEN OR THE LIKE

Farnham F. Boyle, Fort Madison, Iowa, assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application November 17, 1944, Serial No. 116,384
Term of patent 14 years
(Cl. D74-17)

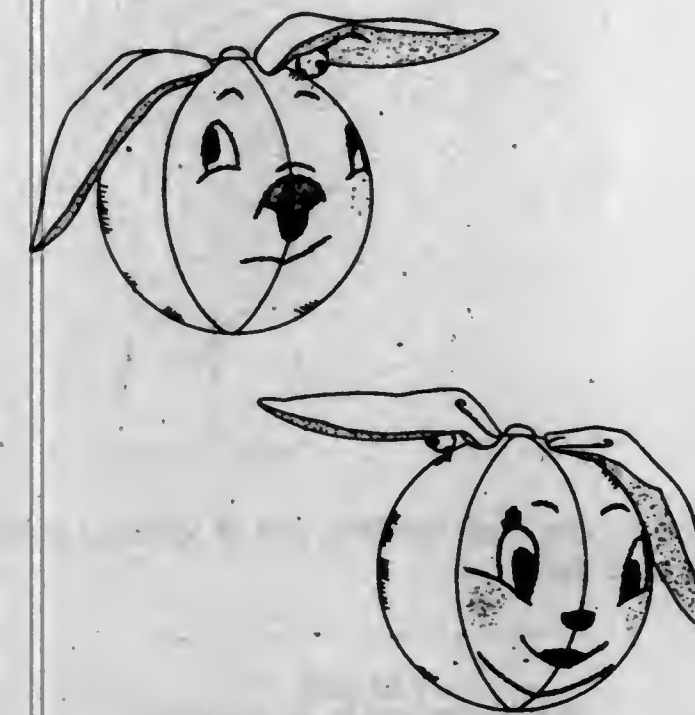


The ornamental design for a fountain pen or the like, substantially as shown and described.

142,393

DESIGN FOR A TOY BALL

Ruth L. Fisk and Augusta Abicht, New York, N. Y.
Application June 22, 1945, Serial No. 120,252
Term of patent 7 years
(Cl. D34-15)



The ornamental design for a toy ball, substantially as shown.

142,394

DESIGN FOR A TOY BALL

Ruth L. Fisk and Augusta Abicht, New York, N. Y.
Application June 30, 1945, Serial No. 120,420
Term of patent 7 years
(Cl. D34-15)



The ornamental design for a toy ball, substantially as shown.

142,395

DESIGN FOR A TOY BALL

Ruth L. Fisk and Augusta Abicht, New York, N. Y.
Application July 21, 1945, Serial No. 120,339
Term of patent 7 years
(Cl. D34-15)

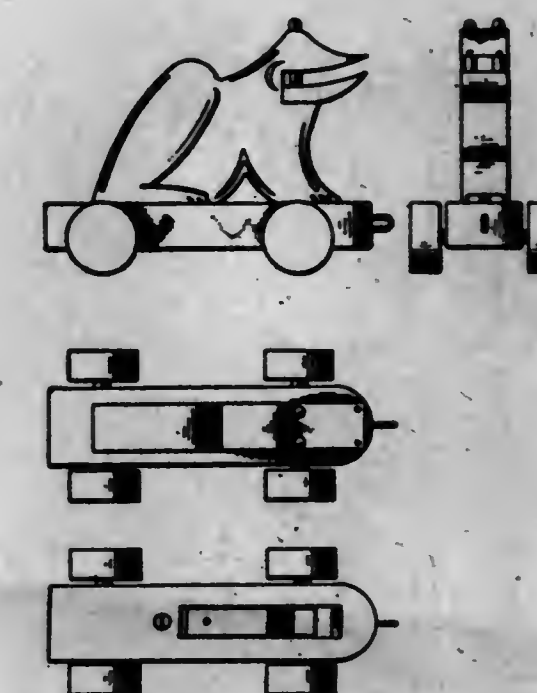


The ornamental design for a toy ball, substantially as shown.

142,396

DESIGN FOR A WHEELED TOY

Robert C. Flynt, Winston-Salem, N. C.
Application June 20, 1945, Serial No. 120,223
Term of patent 7 years
(Cl. D34-15)



The ornamental design for a wheeled toy, as shown.

142,397

DESIGN FOR A DRESS

Zelma Golden, New York, N. Y.
Application July 24, 1945, Serial No. 120,915
Term of patent $3\frac{1}{2}$ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

142,398

DESIGN FOR A DRESS

Zelma Golden, New York, N. Y.
Application July 24, 1945, Serial No. 120,918
Term of patent $3\frac{1}{2}$ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

142,399

DESIGN FOR A DRESS

Zelma Golden, New York, N. Y.
Application July 31, 1945, Serial No. 121,092
Term of patent $3\frac{1}{2}$ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

142,400

DESIGN FOR A DRESS

Zelma Golden, New York, N. Y.
Application July 31, 1945, Serial No. 121,093
Term of patent $3\frac{1}{2}$ years
(Cl. D3—26)

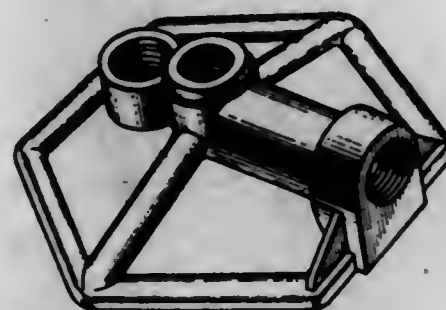


The ornamental design for a dress, substantially as shown.

142,401

DESIGN FOR A SPRINKLER HEAD BASE

John R. Goggins, Forest Junction, Wis.
Application May 21, 1945, Serial No. 119,644
Term of patent 14 years
(Cl. D91—1)



The ornamental design for a sprinkler head base, as shown.

142,402

DESIGN FOR A DRESS

Zelma Golden, New York, N. Y.
Application July 24, 1945, Serial No. 120,916
Term of patent $3\frac{1}{2}$ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

142,403

DESIGN FOR A DRESS

Zelma Golden, New York, N. Y.
Application July 24, 1945, Serial No. 120,917
Term of patent $3\frac{1}{2}$ years
(Cl. D3—26)



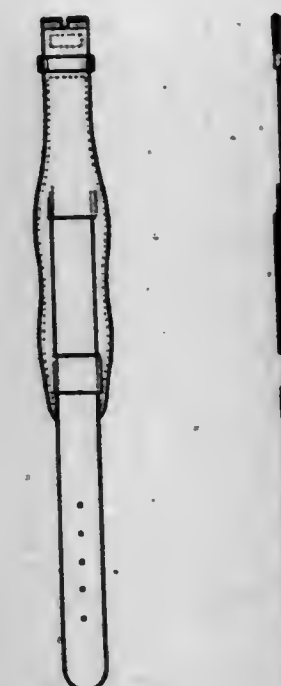
The ornamental design for a dress, substantially as shown.

578 O. G.—40

142,404

DESIGN FOR A WRIST WATCH STRAP

Alexander Greenberg, New York, N. Y.
Application April 27, 1945, Serial No. 119,251
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a wrist watch strap, as shown.

142,405

DESIGN FOR A DRESS

Fred Greenberg, New York, N. Y.
Application July 24, 1945, Serial No. 120,919
Term of patent $3\frac{1}{2}$ years
(Cl. D3—26)

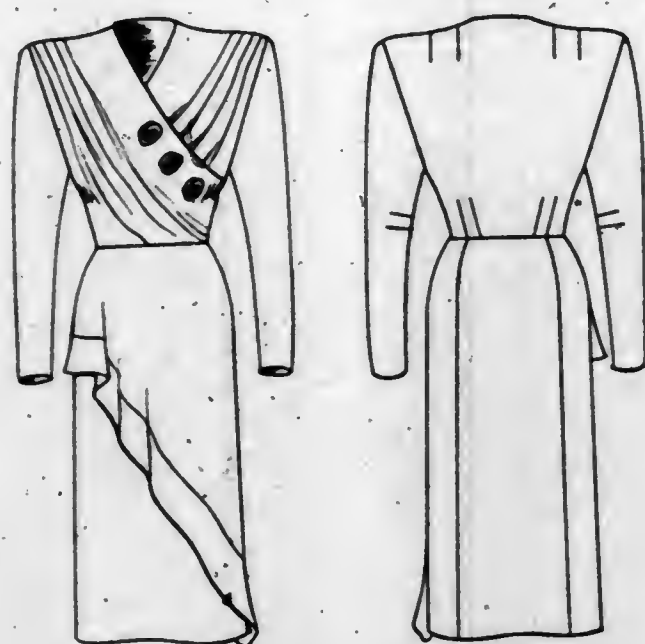


The ornamental design for a dress, substantially as shown.

142,406

DESIGN FOR A DRESS

Fred Greenberg, New York, N. Y.
Application July 31, 1945, Serial No. 121,089
Term of patent 3½ years
(Cl. D3—26)

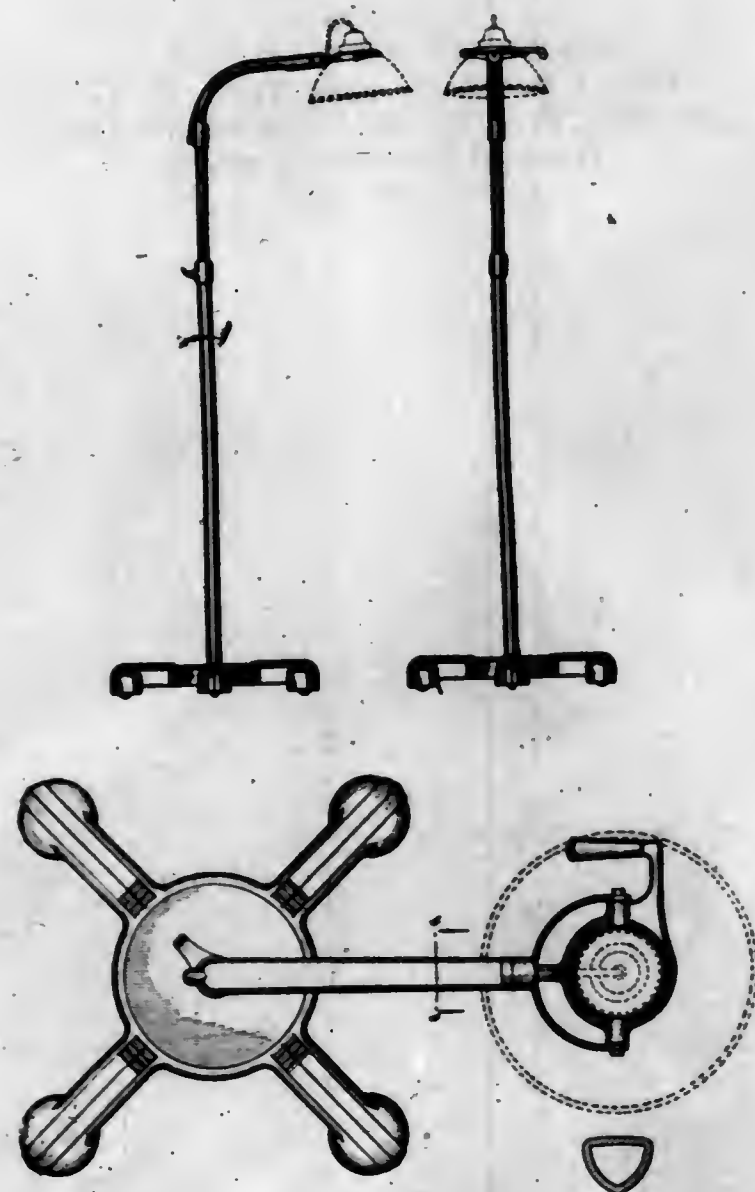


The ornamental design for a dress, substantially as shown.

142,407

DESIGN FOR A LAMP STANDARD

Ernest H. Greppin, Brighton, N. Y., assignor to Wilmot Castle Company, Rochester, N. Y., a corporation of New York
Application April 13, 1945, Serial No. 118,980
Term of patent 7 years
(Cl. D48—20)

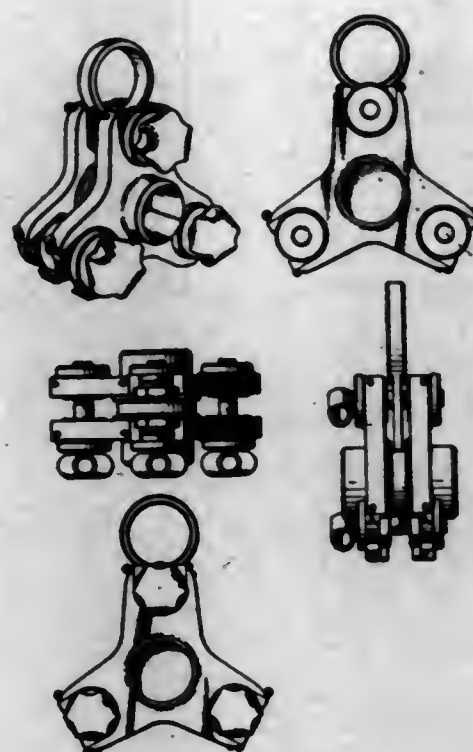


The ornamental design for a lamp standard, substantially as shown and described.

142,408

DESIGN FOR A FITTING CARRYING PIPE LINE CONTROL PLATE

Leland S. Hamer, Long Beach, Calif.
Application December 15, 1944, Serial No. 116,917
Term of patent 14 years
(Cl. D91—1)

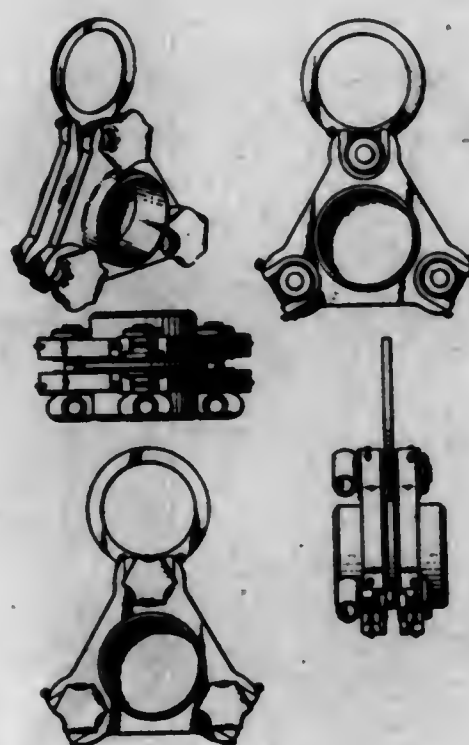


The ornamental design for a fitting carrying pipe line control plate, as shown and described.

142,409

DESIGN FOR A FITTING CARRYING PIPE LINE CONTROL PLATE

Leland S. Hamer, Long Beach, Calif.
Application December 15, 1944, Serial No. 116,918
Term of patent 14 years
(Cl. D91—1)



The ornamental design for a fitting carrying pipe line control plate, as shown and described.

142,410

DESIGN FOR A DISPENSING CLOSURE FOR SALT CELLARS AND THE LIKE

Arthur Hammerstein, Palatine, Ill.
Application June 22, 1945, Serial No. 120,255
Term of patent 14 years
(Cl. D44—22)



The ornamental design for a dispensing closure for salt cellars and the like, as shown.

142,411

DESIGN FOR A PLACE MAT OR SIMILAR ARTICLE

Kenneth C. Hamilton, Milwaukee, Wis., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 3, 1945, Serial No. 117,737
Term of patent 14 years
(Cl. D59—2)



The ornamental design for a place mat or similar article, substantially as shown and described.

142,412

DESIGN FOR A PLACE MAT OR SIMILAR ARTICLE

Kenneth C. Hamilton, Milwaukee, Wis., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 3, 1945, Serial No. 117,738
Term of patent 14 years
(Cl. D59—5)



The ornamental design for a place mat or similar article, substantially as shown and described.

142,413

DESIGN FOR A FRAME FOR A HANDBAG

Charles William Hardy, New York, N. Y.
Application June 5, 1945, Serial No. 119,906
Term of patent 14 years
(Cl. D87—2)



The ornamental design for a frame for a handbag, substantially as shown.

142,414

DESIGN FOR A BRACELET OR SIMILAR ARTICLE

Harriet M. Hartley, Devon, Conn.
Application October 26, 1944, Serial No. 115,988
Term of patent 14 years
(Cl. D45-4)

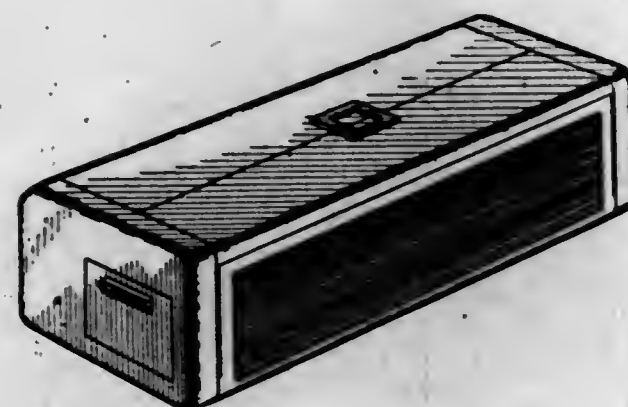


The ornamental design for a bracelet or similar article, substantially as shown.

142,415

DESIGN FOR A CONTAINER FOR COOKING UTENSILS, FOOD, OR THE LIKE

Robert L. Holland and Walter F. Nessen, Chicago, Ill., assignors to Holland & Small, Chicago, Ill., a partnership
Application March 8, 1945, Serial No. 118,335
Term of patent 14 years
(Cl. D58-17)

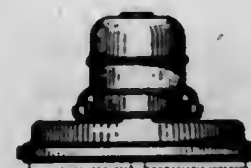
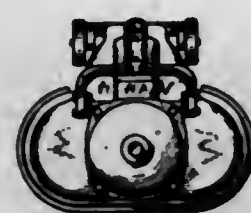


The ornamental design for a container for cooking utensils, food, or the like, substantially as shown and described.

142,416

DESIGN FOR A FLOOR MAINTENANCE MACHINE

William E. Holt, Oakland, Calif.
Application April 12, 1945, Serial No. 118,965
Term of patent 14 years
(Cl. D9-2)



The ornamental design for a floor maintenance machine, as shown and described.

142,417

DESIGN FOR A PORTABLE BARBECUE OR SIMILAR ARTICLE

George W. Jones, Van Nuys, Calif., assignor to A. C. Mfg. Co., Van Nuys, Calif., a corporation of California
Application March 5, 1945, Serial No. 118,277
Term of patent 14 years
(Cl. D81-10)

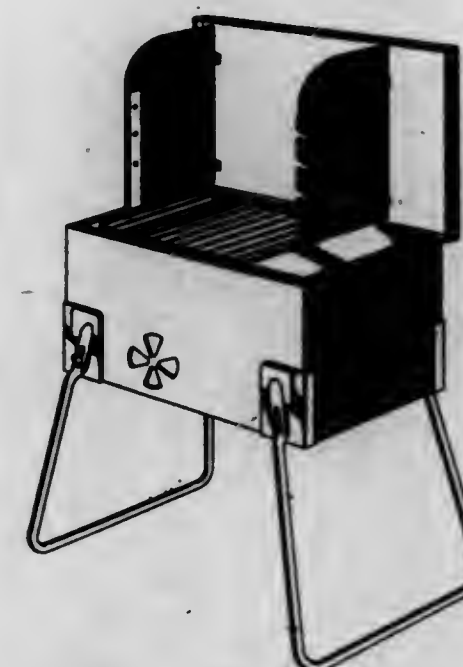


The ornamental design for a portable barbecue or similar article, substantially as shown.

142,418

DESIGN FOR A PORTABLE BARBECUE OR SIMILAR ARTICLE

George W. Jones, Van Nuys, Calif., assignor to A. C. Mfg. Co., Van Nuys, Calif., a corporation of California
Application March 5, 1945, Serial No. 118,278
Term of patent 14 years
(Cl. D81-10)



The ornamental design for a portable barbecue or similar article, substantially as shown and described.

142,419

DESIGN FOR AN EARRING OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 8, 1945, Serial No. 119,969
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring or similar article, substantially as shown.

142,420

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 8, 1945, Serial No. 119,970
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

142,421

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 8, 1945, Serial No. 119,972
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

142,422

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 8, 1945, Serial No. 119,971
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

142,423

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

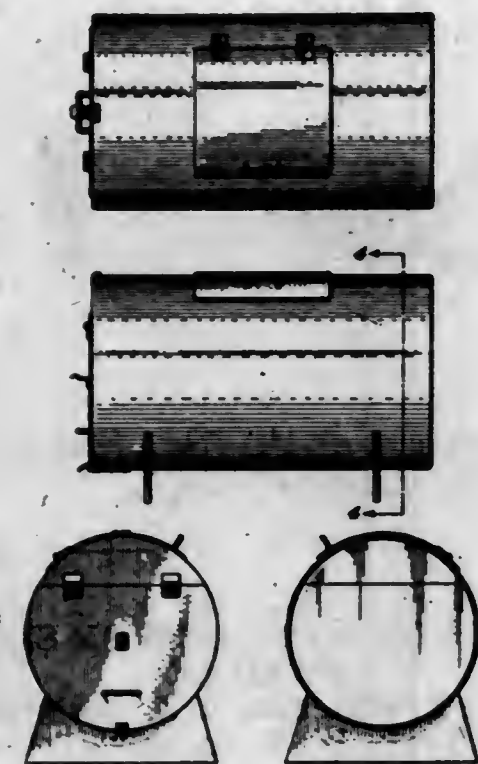
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 8, 1945, Serial No. 119,973
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

142,424

DESIGN FOR A GARBAGE RECEPTACLE
Edward F. Kautz, Detroit, Mich.
Application April 7, 1945, Serial No. 118,888
Term of patent 14 years
(Cl. D58—17)



The ornamental design for a garbage receptacle, as shown.

142,425

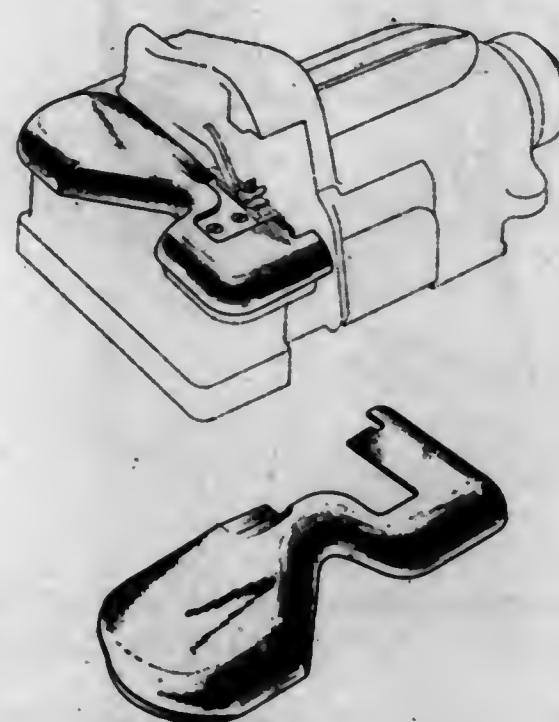
DESIGN FOR AN ASH TRAY
Stephen D. Klyce, Lexington, Mass., assignor to Walsh Engineering Services, Inc., Cambridge, Mass., a corporation of Massachusetts
Application January 26, 1945, Serial No. 117,623
Term of patent 14 years
(Cl. D85—2)



The ornamental design for an ash tray, substantially as shown and described.

142,426

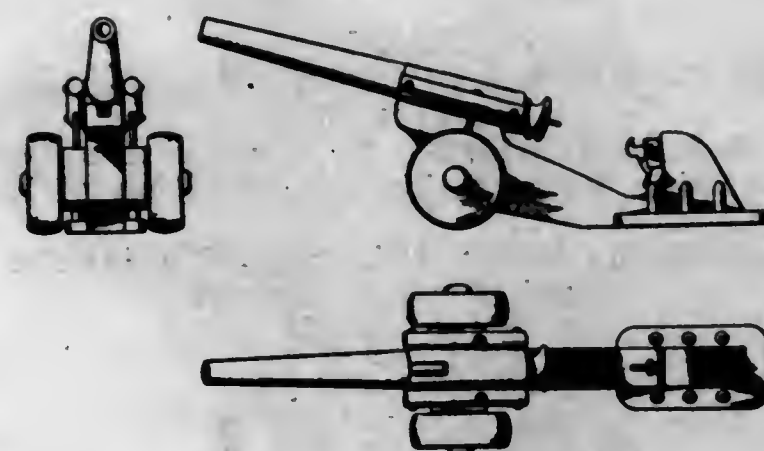
DESIGN FOR A CLOTH-PLATE FOR A SEWING MACHINE
Nicholaus Knaus, Cranford, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application February 3, 1945, Serial No. 117,743
Term of patent 14 years
(Cl. D70—2)



The ornamental design for a cloth-plate for a sewing machine, as shown and described.

142,427

DESIGN FOR A TOY CANNON
Douglas C. La Barre, Santa Monica, Calif.
Application July 3, 1945, Serial No. 120,487
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a toy cannon, as shown.

142,428

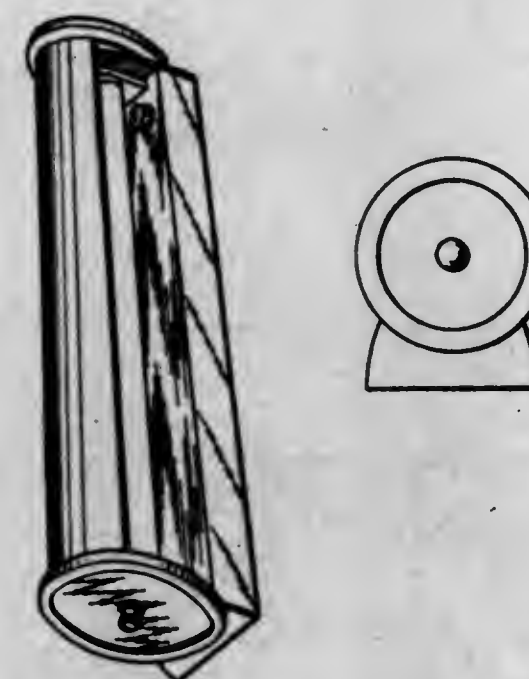
DESIGN FOR A FLY SWATTER OR SIMILAR ARTICLE
Guy W. Lambert, Jasper, Ind.
Application May 31, 1945, Serial No. 119,825
Term of patent 14 years
(Cl. D31—3)



The ornamental design for a fly swatter or similar article, as shown.

142,429

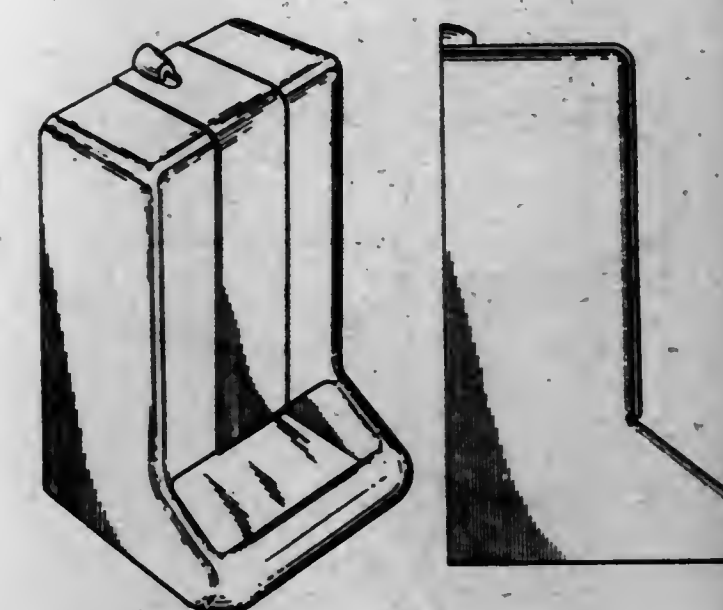
DESIGN FOR A FLUORESCENT LAMP FIXTURE
Pasquale J. Lepore, Somerville, Mass.
Application June 14, 1944, Serial No. 113,997
Term of patent 14 years
(Cl. D48—23)



The ornamental design for a fluorescent lamp fixture, as shown and described.

142,430

DESIGN FOR A MATCHBOX HOLDER
Fred H. Lewis, Evanston, Ill.
Application May 19, 1945, Serial No. 119,626
Term of patent 14 years
(Cl. D48—28)



The ornamental design for a matchbox holder, substantially as shown.

142,431

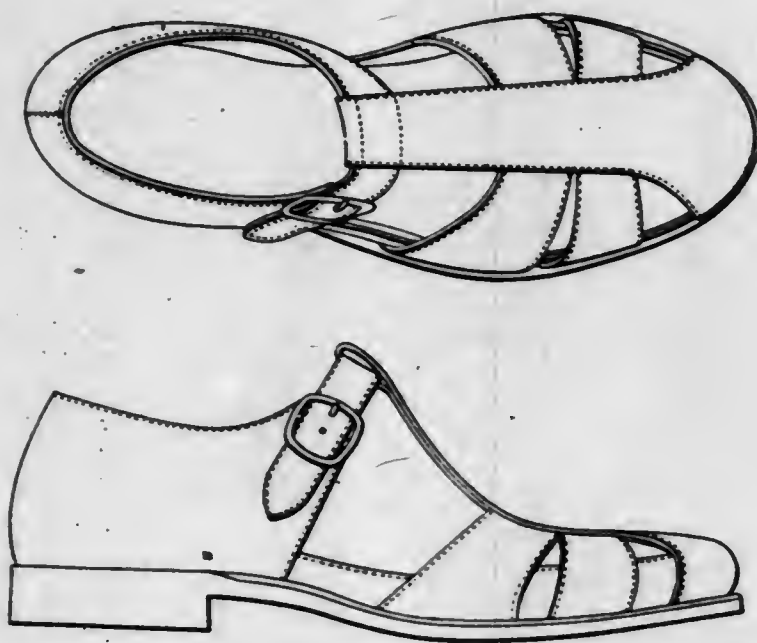
DESIGN FOR A PERPETUAL CALENDAR
Max J. Lewis, Forest Hills, N. Y.
Application June 1, 1945, Serial No. 119,842
Term of patent 7 years
(Cl. D74—5)



The ornamental design for a perpetual calendar, substantially as shown.

142,432

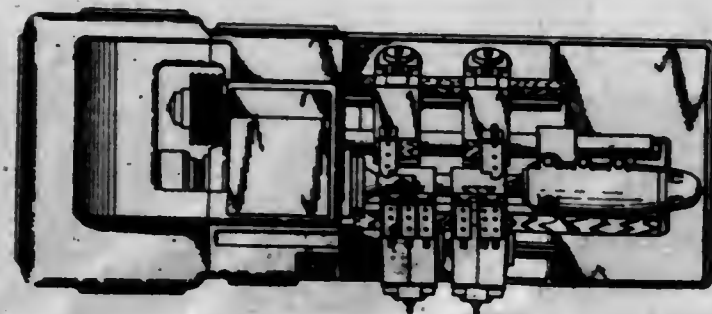
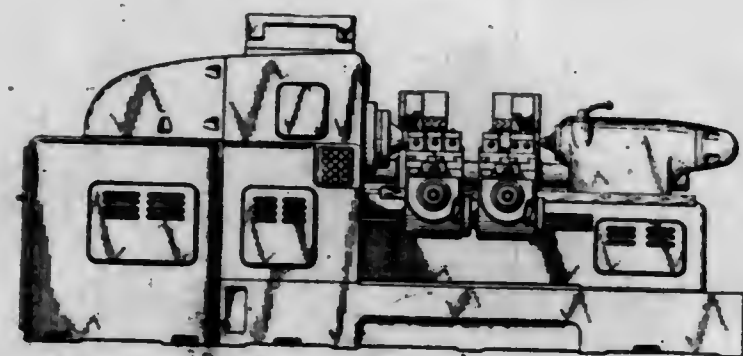
DESIGN FOR A SANDAL TYPE SHOE
 Nathan J. Lissak and John E. Lucey,
 Brockton, Mass.
 Application February 7, 1945, Serial No. 117,804
 Term of patent 14 years
 (Cl. D7—7)



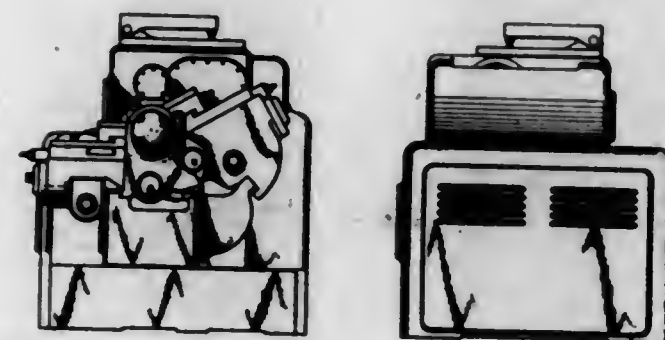
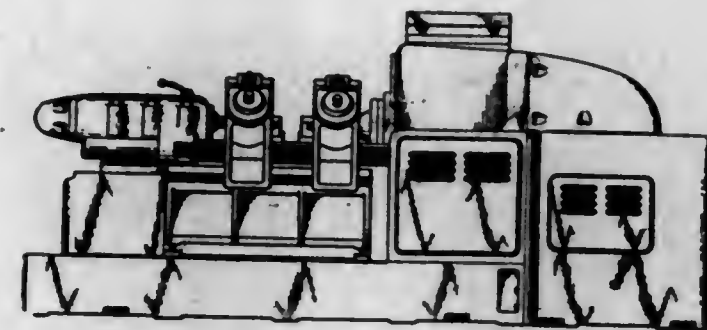
The ornamental design for a sandal type shoe, substantially as shown.

142,433

DESIGN FOR A LATHE
 Edmund J. Lomazzo, Norwalk, Conn.
 Application January 17, 1945, Serial No. 117,482
 Term of patent 14 years
 (Cl. D54—6)



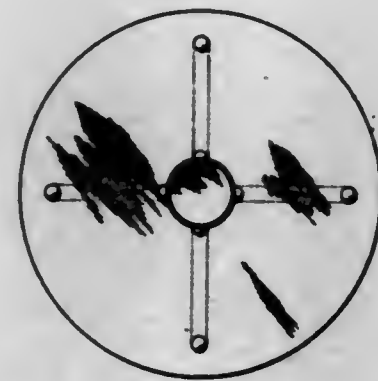
142,433—Continued



The ornamental design for a lathe, as shown.

142,434

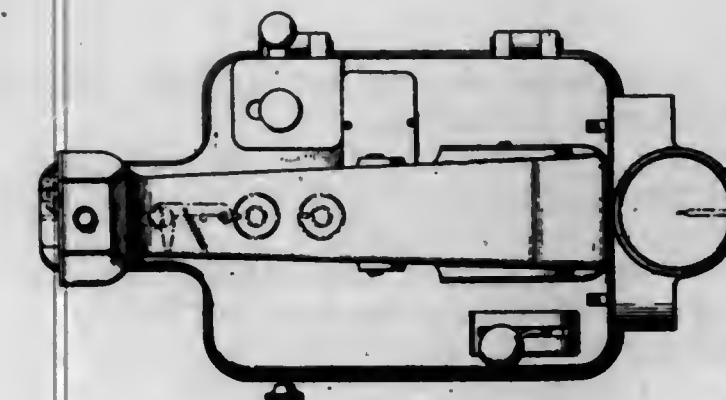
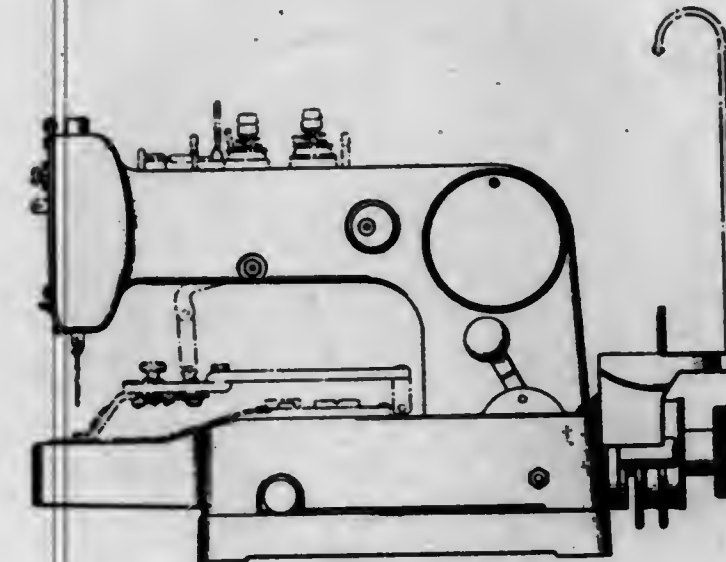
DESIGN FOR A TABLE
 James E. Lundy, Huntington Park, Calif.
 Application March 29, 1945, Serial No. 119,117
 Term of patent 14 years
 (Cl. D33—14)



The ornamental design for a table, substantially as shown.

142,435

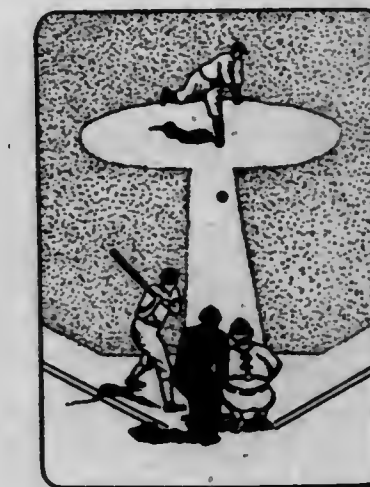
DESIGN FOR A BUTTON SEWING MACHINE OR THE LIKE
 William T. Maxant, Ayer, Mass.
 Application June 1, 1945, Serial No. 119,834
 Term of patent 14 years
 (Cl. D70—1)



The ornamental design for a button sewing machine or the like, substantially as shown.

142,436

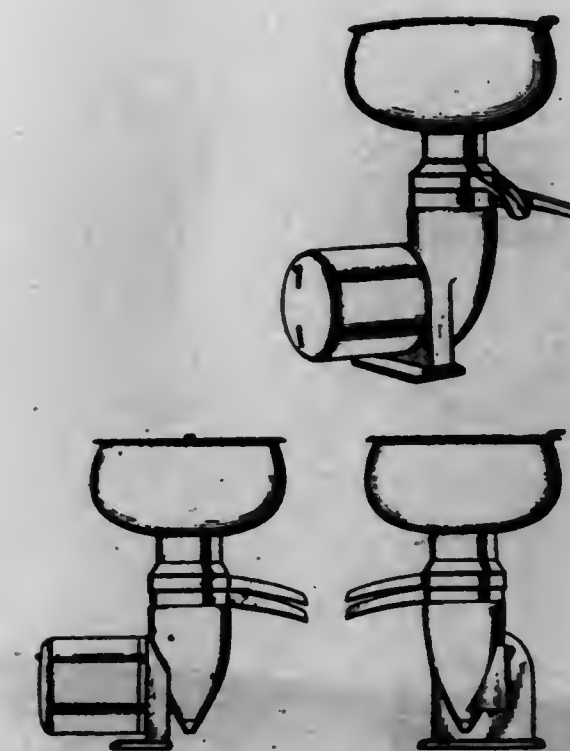
DESIGN FOR A PLAYING CARD
 Maximilian C. Meyer, Brooklyn, N. Y.
 Application July 26, 1944, Serial No. 114,566
 Term of patent 14 years
 (Cl. D34—13)



The ornamental design for a playing card, substantially as shown and described.

142,437

DESIGN FOR A BENCH CREAM SEPARATOR
 Richard W. Muerle, Springfield, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
 Application November 20, 1944, Serial No. 116,453
 Term of patent 7 years
 (Cl. D23—1)



The ornamental design for a bench cream separator, substantially as shown.

142,438

DESIGN FOR A DRESS

Samuel Zahn, New York, N. Y.
Application July 31, 1945, Serial No. 121,094
Term of patent $3\frac{1}{2}$ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

142,439

DESIGN FOR A LIGHT METER

Elwood J. Nicholson, Los Angeles, Calif., assignor to Photo Research Corporation, San Fernando, Calif., a corporation of California
Application May 7, 1945, Serial No. 119,441
Term of patent 14 years
(Cl. D26—5)



The ornamental design for a light meter, substantially as shown.

142,440

DESIGN FOR A GAME BOARD OR SIMILAR ARTICLE

Julius Clarkson Pratt, Eureka, Calif.
Application May 24, 1945, Serial No. 119,701
Term of patent 7 years
(Cl. D34—5)



The ornamental design for a game board or similar article, as shown.

142,441

DESIGN FOR A HANDBAG

Frank H. Rath, Garden City, N. Y.
Application July 13, 1945, Serial No. 120,688
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a handbag, substantially as shown and described.

142,442

DESIGN FOR A HANDBAG

Frank H. Rath, Garden City, N. Y.
Application July 19, 1945, Serial No. 120,805
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a handbag, substantially as shown.

142,443

DESIGN FOR A LIGHTER FOR CIGARS, CIGARETTES, AND THE LIKE

John N. Robins, Chicago, Ill.
Application May 16, 1945, Serial No. 119,578
Term of patent 7 years
(Cl. D48—27)



The ornamental design for a lighter for cigars, cigarettes, and the like, as shown.

142,444

DESIGN FOR A BOWLING SHOE

Jacque A. Scheps, Chicago, Ill., assignor to Athletic Shoe Company, Chicago, Ill., a corporation of Illinois
Application December 30, 1944, Serial No. 117,191
Term of patent 14 years
(Cl. D7—7)

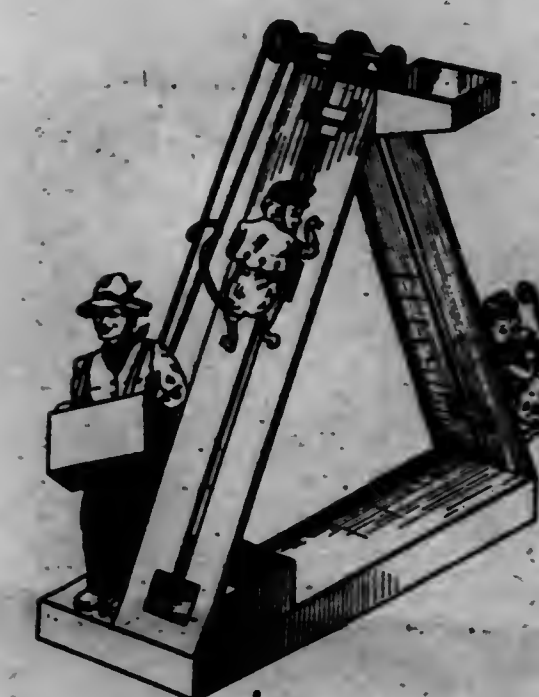


The ornamental design for a bowling shoe, substantially as shown and described.

142,445

DESIGN FOR A CLIMBING TOY

Eben L. Scott, Mission, Kans.
Application May 2, 1945, Serial No. 119,363
Term of patent 14 years
(Cl. D34—15)

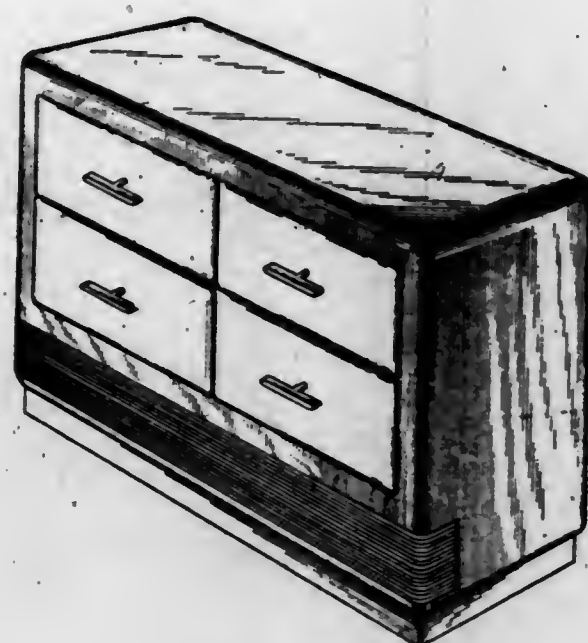


The ornamental design for a climbing toy, as shown.

142,446

DESIGN FOR A REFRIGERATOR CABINET OR SIMILAR ARTICLE

Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application February 26, 1945, Serial No. 118,151
Term of patent 14 years
(Cl. D67-3)



The ornamental design for a refrigerator cabinet or similar article, substantially as shown and described.

142,447

DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE

Max Stein, Paterson, N. J.
Application May 15, 1945, Serial No. 119,552
Term of patent 7 years
(Cl. D92-26)

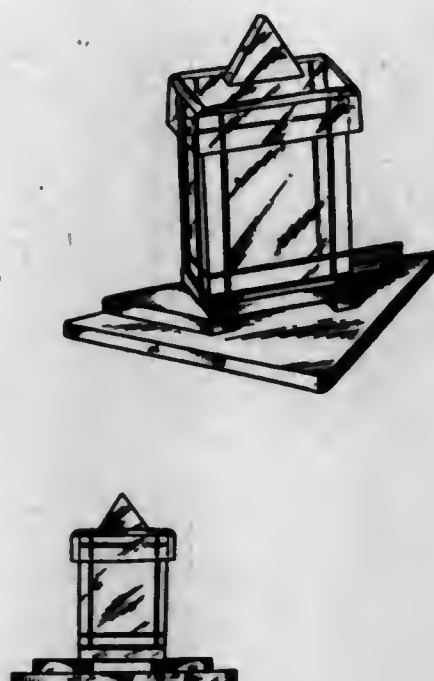


The ornamental design for a tablecloth or similar article, as shown.

142,448

DESIGN FOR A CIGARETTE DISPENSER OR THE LIKE

Monroe B. Toklas, New York, N. Y., assignor to Clearite Products, Inc., New York, N. Y.
Application May 16, 1945, Serial No. 119,564
Term of patent 3½ years
(Cl. D85-2)

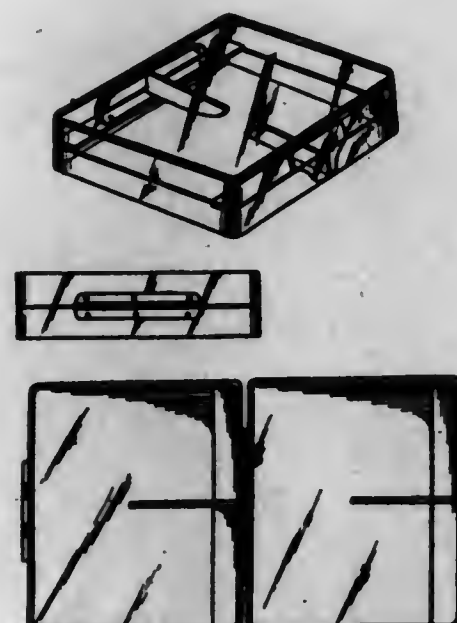


The ornamental design for a cigarette dispenser or the like, substantially as shown.

142,449

DESIGN FOR A CIGARETTE CASE OR SIMILAR ARTICLE

Monroe B. Toklas, New York, N. Y., assignor to Clearite Products, Inc., New York, N. Y.
Application May 16, 1945, Serial No. 119,565
Term of patent 14 years
(Cl. D85-2)

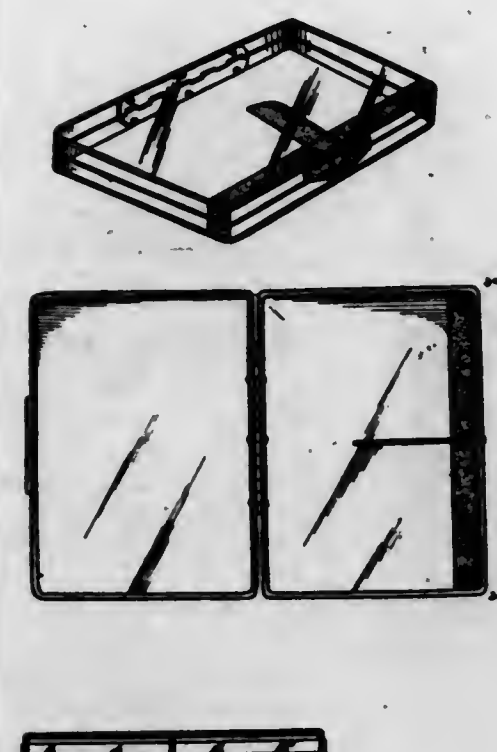


The ornamental design for a cigarette case or similar article, substantially as shown.

142,450

DESIGN FOR A CIGARETTE CASE OR SIMILAR ARTICLE

Monroe B. Toklas, New York, N. Y., assignor to Clearite Products, Inc., New York, N. Y.
Application May 18, 1945, Serial No. 119,607
Term of patent 14 years
(Cl. D85-2)

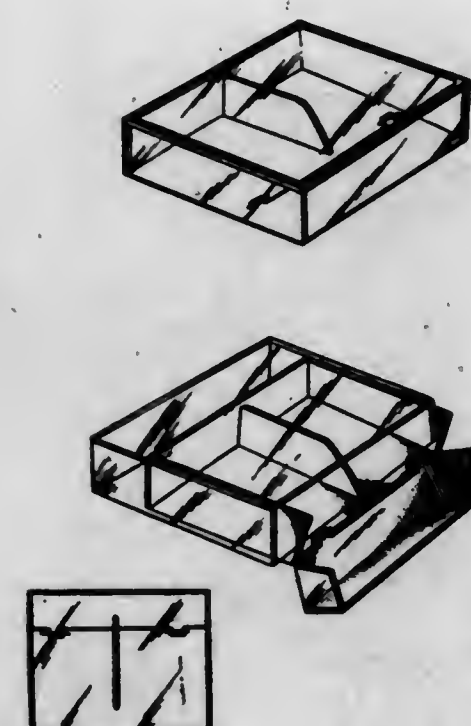


The ornamental design for a cigarette case or similar article, substantially as shown.

142,451

DESIGN FOR A CIGARETTE CASE OR SIMILAR ARTICLE

Monroe B. Toklas, New York, N. Y., assignor to Clearite Products, Inc., New York, N. Y.
Application May 18, 1945, Serial No. 119,608
Term of patent 3½ years
(Cl. D85-2)

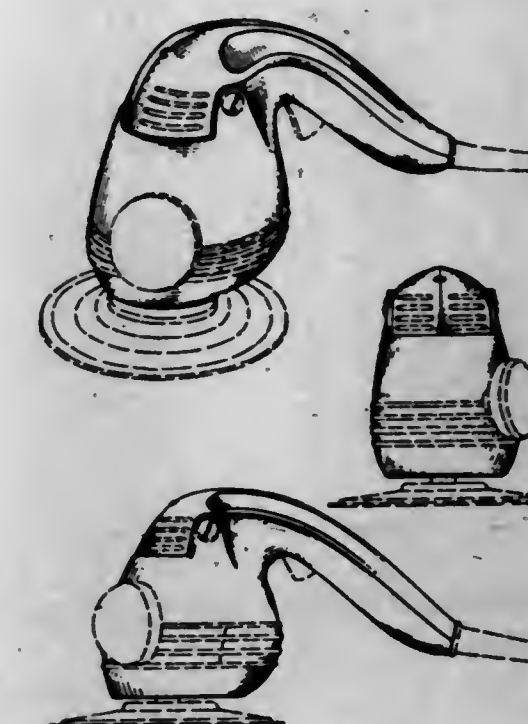


The ornamental design for a cigarette case of similar article, substantially as shown.

142,452

DESIGN FOR A SURFACE TREATING MACHINE

Louis Vavrik, Rossford, Ohio, assignor to The American Floor Surfacing Machine Company, Toledo, Ohio, a corporation of Ohio
Application May 28, 1945, Serial No. 119,782
Term of patent 14 years
(Cl. D9-2)

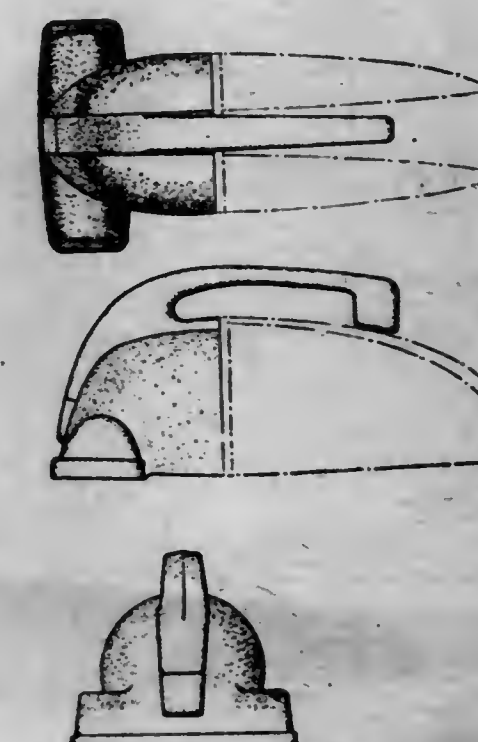


The ornamental design for a surface treating machine, substantially as shown and described.

142,453

DESIGN FOR A VACUUM CLEANER

George W. Walker, Pleasant Ridge, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application February 7, 1944, Serial No. 112,506
Term of patent 14 years
(Cl. D9-2)



The ornamental design for a vacuum cleaner, substantially as shown and described.

142,454

DESIGN FOR A DRESS

Josef Walker, New York, N. Y.
Application July 31, 1945, Serial No. 121,090
Term of patent 3½ years
(Cl. D3—26)

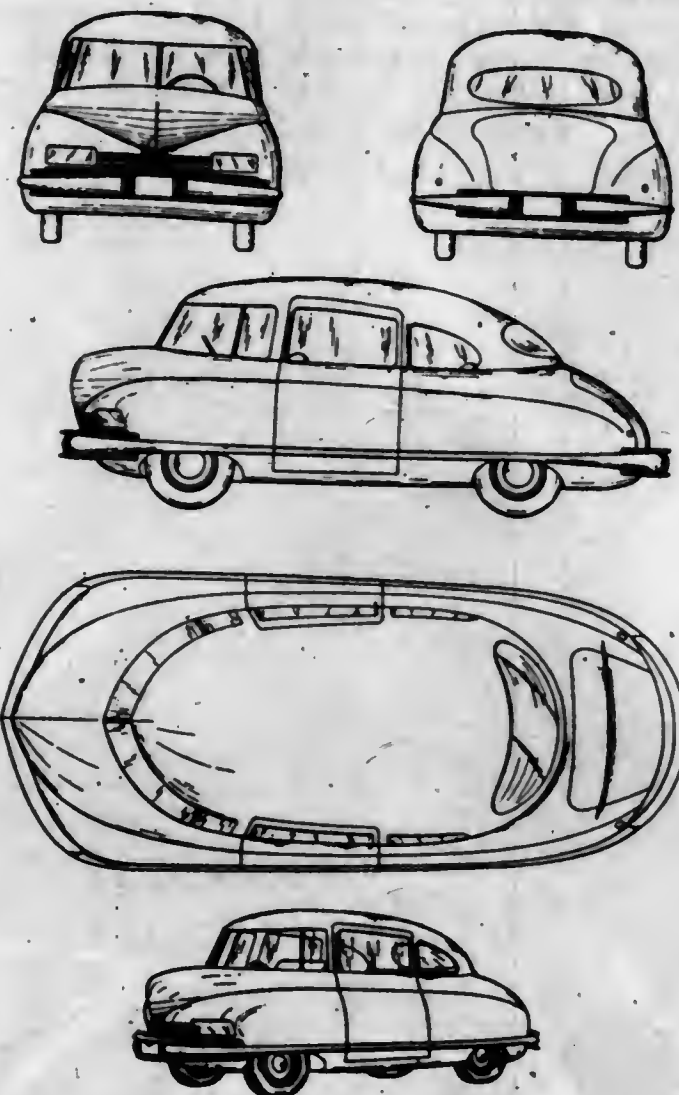


The ornamental design for a dress, substantially as shown.

142,455

DESIGN FOR AN AUTOMOBILE

Edward C. Wells, Donald J. Euler, and Norbert A. Collins, near Seattle, Wash., assignors to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application August 9, 1944, Serial No. 114,795
Term of patent 14 years
(Cl. D14—3)

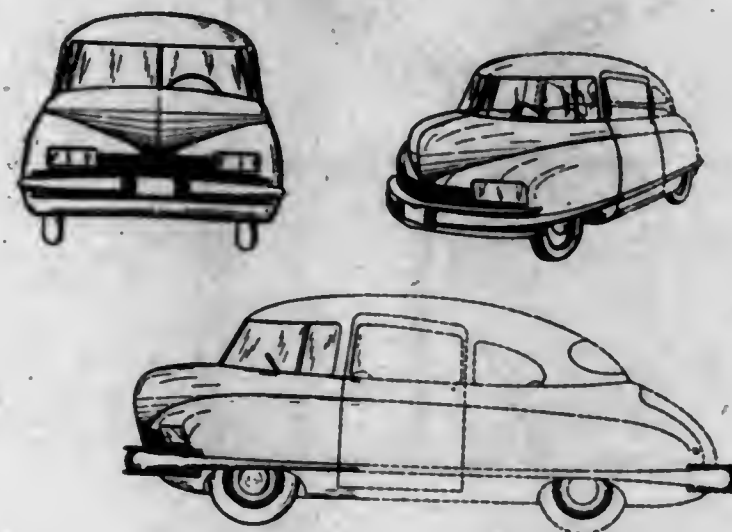


The ornamental design for an automobile, substantially as shown.

142,456

DESIGN FOR AN AUTOMOBILE

Edward C. Wells, Donald J. Euler, and Norbert A. Collins, near Seattle, Wash., assignors to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Original design application August 9, 1944, Serial No. 114,795. Divided and this application August 9, 1944, Serial No. 114,796
Term of patent 14 years
(Cl. D14—3)

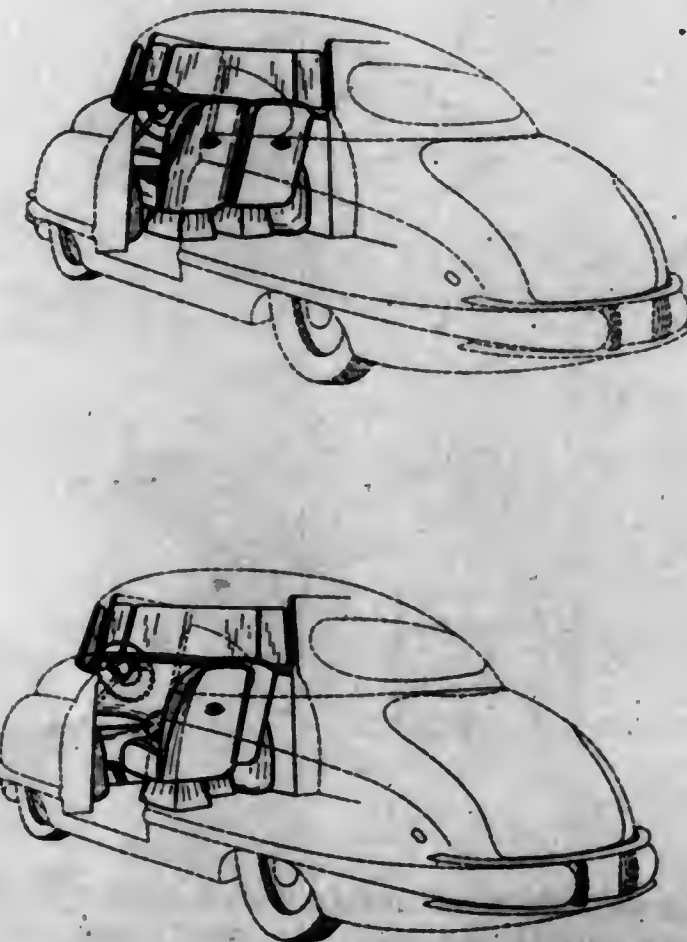


The ornamental design for an automobile, substantially as shown and described.

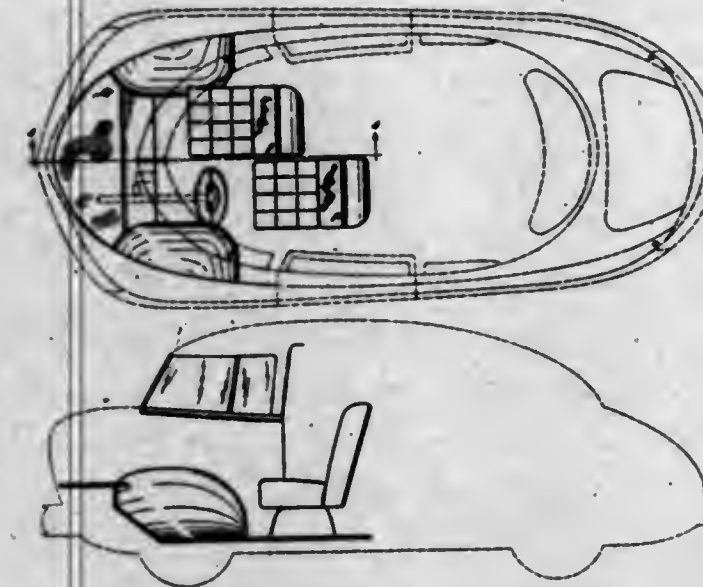
142,457

DESIGN FOR AN AUTOMOBILE

Edward C. Wells, Donald J. Euler, and Norbert A. Collins, near Seattle, Wash., assignors to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application August 9, 1944, Serial No. 114,797
Term of patent 14 years
(Cl. D14—3)



142,457—Continued



The ornamental design for an automobile, substantially as shown and described.

142,458

DESIGN FOR A CHAIR OR SIMILAR ARTICLE

Bruno R. Weill, Statesville, N. C., assignor to Thonet Brothers, Inc., New York, N. Y.
Application July 9, 1945, Serial No. 120,591
Term of patent 7 years
(Cl. D15—1)

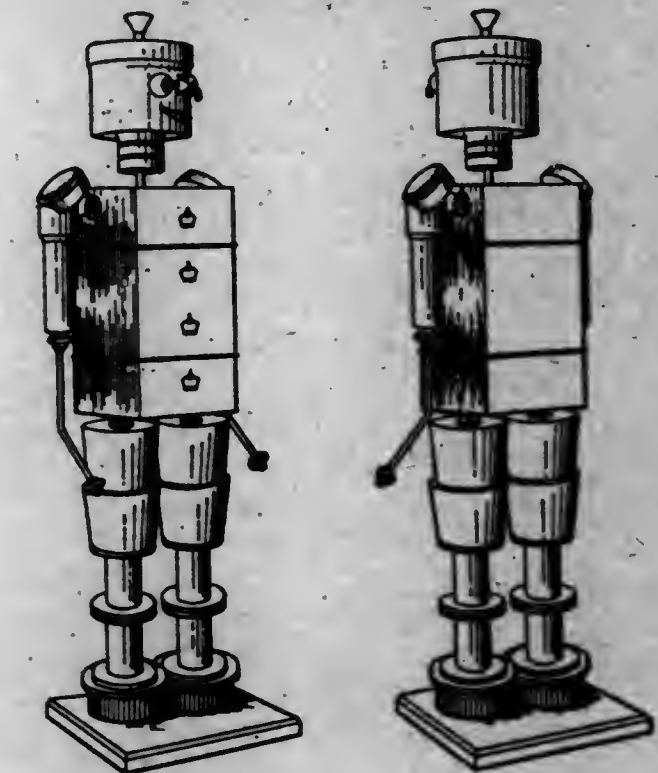


The ornamental design for a chair or similar article, as shown.

142,459

DESIGN FOR A LAY FIGURE

Albert L. Westerman, Delaware County, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application February 6, 1945, Serial No. 117,792
Term of patent 14 years
(Cl. D1—2)



The ornamental design for a lay figure, as shown.

142,460

DESIGN FOR A DRESS

Samuel Zahn, New York, N. Y.
Application July 24, 1945, Serial No. 120,920
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Ack-Roy-Lyne Laboratories: See—

Patterson, Roy McClure.

Adler, Isidor, doing business as California Beverage Co., Baltimore, Md. Nonalcoholic, noncereal, maltless beverages, and sirups and extracts for making the same. Serial No. 482,775; Sept. 25. Class 45.

Aldmon, Max, doing business as Pensilagus Co., Brooklyn, N. Y. Chewing gum fortified with penicillin. Serial No. 481,083; Sept. 25. Class 6.

Aircraft Standard Parts Company, Rockford, Ill. Hose clamps. Serial No. 464,498; Sept. 25. Class 13.

American Automatic Typewriter Co., Chicago, Ill. Power operated aviation training apparatus. Serial No. 482,235; Sept. 25. Class 26.

American Insignia Company, New York, N. Y. Insignia and emblems. Serial No. 474,845; Sept. 25. Class 28.

Ancell, Nathan S., New York, N. Y. Furniture. Serial No. 479,411; Sept. 25. Class 32.

Babbitt, B. T., Inc., Albany and New York, N. Y. Greeting cards. Serial No. 485,070; Sept. 25. Class 38.

Belgorugs Inc., New York, N. Y. Carpets and rugs. Serial No. 485,811; Sept. 25. Class 42.

Bellin's Wonderstone Company, New York, N. Y. Preparation for removing hair. Serial No. 484,929; Sept. 25. Class 6.

Blue Ridge Textile Co. Inc., Bangor, Pa. Knitted piece goods. Serial No. 484,290; Sept. 25. Class 42.

Bostonian Manufacturing Company, New York, N. Y. Handbags. Serial No. 484,932; Sept. 25. Class 3.

Brush, V., Englewood, N. J. Publication issued periodically. Serial No. 482,918; Sept. 25. Class 38.

Buquesal Company: See—

Chapman, Clyde D.

California Beverage Co.: See—

Adler, Isidor.

Campbell, Harry T., Sons' Corp., Towson, Md. Mined calcium stone, a crude mineral. Serial No. 484,614; Sept. 25. Class 1.

Campbell Products, Inc., New York, N. Y. Mercurial diuretics. Serial No. 484,160; Sept. 25. Class 6.

Capacitron Company, The, Chicago, Ill. Electrical condensers and capacitors. Serial No. 481,571; Sept. 25. Class 21.

Carr, Adams & Collier Company, Dubuque, Iowa. Kitchen cabinets. Serial No. 485,721; Sept. 25. Class 32.

Chambers, Clarence H., doing business as Maupassant, Brooklyn, N. Y. Perfume, toilet water, talcum powder, etc. Serial No. 480,008; Sept. 25. Class 6.

Chapman, Clyde D., doing business as Buquesal Company, Spokane, Wash. Liquid cleaning, glazing and polishing material. Serial No. 483,654; Sept. 25. Class 16.

Chicago Pharmacal Company, Chicago, Ill. Nerve sedative and antispasmodic. Serial No. 484,391; Sept. 25. Class 6.

Columbia Eastern Corporation, New York, N. Y. Watches and clocks. Serial Nos. 484,192-3; Sept. 25. Class 27.

Columbian Steel Tank Company, Kansas City, Mo. Respirators. Serial No. 478,498; Sept. 25. Class 44.

Compania Licorera Agabama, S. A., Habana, Cuba. Rum. Serial No. 480,742; Sept. 25. Class 49.

Consolidated Cosmetics, Chicago, Ill. Face powder, lipstick, hand cream, etc. Serial No. 484,013; Sept. 25. Class 6.

Corning Glass Works, Corning, N. Y. Glass articles. Serial No. 474,481; Sept. 25. Class 44.

Crescent Chemical Corporation, Philadelphia, Pa. Laundry sour. Serial No. 483,716; Sept. 25. Class 6.

Crest Fabrics Corp., New York, N. Y. Textile fabrics in the piece. Serial No. 486,354; Sept. 25. Class 42.

Dixie Disinfecting Co., Dallas, Tex. Preparation for exterminating rats and mice. Serial No. 484,486; Sept. 25. Class 6.

Dudley, Carl, doing business as Carl Dudley Productions, Beverly Hills, Calif. Motion picture productions. Serial No. 480,280; Sept. 25. Class 26.

Dudley, Carl, Productions: See—

Dudley, Carl.

Duriron Company, Inc., The, Dayton, Ohio. Batteries and parts thereof, electro-plating and electrolytic equipment, etc. Serial No. 480,744; Sept. 25. Class 21.

Eastern Corporation, Brewer, Maine. Writing, printing, and papeterie papers. Serial No. 468,443; Sept. 25. Class 37.

Elars Products, Inc., also trading as Elgyn Products, Richmond, Va. Yeast and iron compound, natural fortified vitamin B complex with liver and iron, etc. Serial No. 471,473; Sept. 25. Class 6.

Elgyn Products: See—

Elars Products, Inc.

Empire Sporting Goods Manufacturing Co., Inc., New York, N. Y. Football pants, football helmets, and ice hockey pants. Serial No. 476,386; Sept. 25. Class 39.

Fairhne Sportswear Co.: See—

Fisher, Lillian.

578 O. G.—40a

Fashion Park, Inc., Rochester, N. Y. Coats, vests, pants, etc. Serial No. 482,139; Sept. 25. Class 39.

Federal Electric Company, Inc., Chicago, Ill. Oil well drilling bits, wrenches, pipe threaders and trimmers, etc. Serial No. 477,924; Sept. 25. Class 23.

Fisher, Lillian, doing business as Fairhne Sportswear Co., New York, N. Y. Men's and boys' sportswear. Serial No. 483,261; Sept. 25. Class 39.

"42" Products, Ltd., doing business as Windsor House, Ltd., Los Angeles, Calif. Cologne. Serial No. 471,339; Sept. 25. Class 6.

Garay Toiletries, Inc., New York, N. Y. Brushless shave cream and shave soap. Serial No. 483,967; Sept. 25. Class 4.

Geigy Company, Inc., New York, N. Y. Dispersing and flocculating chemical. Serial No. 484,342; Sept. 25. Class 6.

General Aircraft Equipment, Inc., South Norwalk, Conn. Electrical and mechanical refrigerators and parts thereof, etc. Serial No. 483,524; Sept. 25. Class 31.

General Shoe Corporation, Nashville, Tenn. Men's, women's, and children's shoes. Serial No. 481,221; Sept. 25. Class 39.

General Water Heater Corporation, Burbank, Calif. Water heaters. Serial Nos. 470,303-4; Sept. 25. Class 34.

Girdler Corporation, The, Louisville, Ky. Apparatus for producing high frequency electric currents, etc. Serial No. 482,322; Sept. 25. Class 21.

Gold Seal Co.: See—

Schafer, Harold L.

Golden West Products Co. Inc., Los Angeles, Calif. Fruit conserve. Serial No. 485,080; Sept. 25. Class 46.

Goodman, L. A., Manufacturing Company, Chicago, Ill. Dolls and table tennis balls. Serial No. 482,570; Sept. 25. Class 22.

Graef, Jean R., Inc., New York, N. Y. Watch movements and wrist and pocket watches. Serial No. 484,126; Sept. 25. Class 27.

Gray and Gray, Venice, Calif. Soap powder. Serial No. 483,852; Sept. 25. Class 4.

Grean, Seymour, & Co., Inc., New York, N. Y. Women's and children's fur coats, capes, scarfs, etc. Serial No. 483,136; Sept. 25. Class 39.

Harbor Plywood Corporation, Hoquim, Wash. Plywood. Serial No. 474,077; Sept. 25. Class 12.

Harrower Laboratory, Inc., The, Glendale, Calif. Concentrated sterile solutions. Serial No. 483,266; Sept. 25. Class 6.

Harvey Machine Co., Inc., Los Angeles, Calif. Toy boats and toy airplanes. Serial No. 479,124; Sept. 25. Class 22.

Holt, Frank J., doing business as Nutrition Products Company, Aurora, Ill. Nutritional adjunct for young calves. Serial No. 470,266; Sept. 25. Class 6.

Howards & Sons Limited, Ilford, Essex, England. Chemical substances. Serial No. 482,992; Sept. 25. Class 6.

Interstate Dry Goods Syndicate, Huntingdon, W. Va. Sheets, pillow cases, table linens, etc. Serial No. 484,346; Sept. 25. Class 42.

Jones, T. G. W., doing business as T. G. W. Jones Sons, Los Angeles, Calif. Preparation for use in the treatment of pyorrhea (alveolaris). Serial No. 484,171; Sept. 25. Class 6.

Jones, T. G. W., Sons: See—

Jones, T. G. W.

Joyce, Melvin D., Saginaw, Mich. Clothes line reels. Serial No. 479,482; Sept. 25. Class 24.

Kantor, Irving, doing business as Kantor Surgical Co., New York, N. Y. Ptosis supports, sacro-iliac supports, abdominal supports, etc. Serial No. 484,745; Sept. 25. Class 44.

Kantor Surgical Co.: See—

Kantor, Irving.

Kennel Food Supply Company, The, Fairfield, Conn. Dog biscuits, canned dog food, and dog meal. Serial No. 484,410; Sept. 25. Class 46.

Kodak Mexicana, Ltd., Rochester, N. Y., and Mexico City, Mexico. Illustrated photographic magazines. Serial No. 483,624; Sept. 25. Class 38.

Krambo Food Stores, Incorporated, Oshkosh, Wis. Wheat flour. Serial No. 484,028; Sept. 25. Class 46.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Medicinal mineral oil. Serial No. 469,503; Sept. 25. Class 6.

Lane Tobacco, Ltd., New York, N. Y. Smoking tobacco. Serial No. 484,205; Sept. 25. Class 17.

Lentheric, Incorporated, New York, N. Y. Perfumes, toilet waters, and cosmetic creams. Serial No. 482,382; Sept. 25. Class 6.

Lithalloys Corporation, New York, N. Y. Metals and alloys. Serial No. 477,333; Sept. 25. Class 14.

Little Elmer Toy Company, Eau Claire, Wis. Assembled toys. Serial No. 485,731; Sept. 25. Class 22.

Lord Baltimore Press, The, Baltimore, Md. Boxes and cartons. Serial No. 476,808; Sept. 25. Class 2.

Louisiana State Rice Milling Company, Inc., Abbeville, La. Rice. Serial No. 472,570; Sept. 25. Class 46.

Mackoud, John, Company, New York, N. Y. Handkerchiefs. Serial No. 483,777; Sept. 25. Class 39.

Marathon Corporation, Rothschild, Wis. Paper cartons. Serial No. 485,509; Sept. 25. Class 2.

Marshall, Walter S., doing business as V. J. Chemical Company, Raleigh, N. C. Preparation for the treatment of acne and face pimples, etc. Serial No. 473,609; Sept. 25. Class 6.

Maupassant: See—

Chambers, Clarence H.

McConnell Product Co.: See—

McConnell, William P.

McConnell, William P., doing business as McConnell Product Co., Washington, D. C. Toilet powder. Serial No. 484,537; Sept. 25. Class 6.

McNeill Laboratories, Incorporated, Philadelphia, Pa. Vitamin tablets. Serial No. 480,671; Sept. 25. Class 6.

Mearl Corporation, The, New York, N. Y. Hydrolyzed protein containing iron salts. Serial No. 484,793; Sept. 25. Class 6.

Medicinal Products Co., Philadelphia, Pa. General anti-septic and germicide and ointment. Serial No. 483,659; Sept. 25. Class 6.

Meta Cine Company, Chattanooga, Tenn. Vitamin-mineral-liver compound. Serial No. 482,810; Sept. 25. Class 6.

Mevi Incorporated, New York, N. Y. Game boards. Serial No. 482,110; Sept. 25. Class 22.

Mevi Incorporated, New York, N. Y. Pocketbooks. Serial No. 482,111; Sept. 25. Class 3.

Moffats Limited, Town of Weston, Ontario, Canada. Refrigerating apparatus. Serial No. 481,419; Sept. 25. Class 31.

Monarch Governor Company, Detroit, Mich. Jigs, fixtures, chucks, etc. Serial No. 476,072; Sept. 25. Class 23.

Moore, John Hudson, Inc., New York, N. Y. Cologne, after shaving lotion, hair lotion, etc. Serial No. 479,636; Sept. 25. Class 6.

Muffet, Mary, Inc., St. Louis, Mo. Paper cardboard folders. Serial No. 475,447; Sept. 25. Class 37.

Myers, Ralph E., doing business as Ralph E. Myers Co., Salinas, Calif. Fresh vegetables. Serial No. 485,093; Sept. 25. Class 46.

Myers, Ralph E. Co.: See—

Myers, Ralph E.

National Lead Company, Sayreville, N. J., and New York, N. Y. Composition containing a soluble salt. Serial No. 473,998; Sept. 25. Class 1.

National Stamping & Electric Works, Chicago, Ill. Electric heating pads, electric hair dryers, electric vibratory outfits, etc. Serial No. 474,344; Sept. 25. Class 44.

Nedick's Stores, Inc., New York, N. Y. Meat products, bakery products, coffee, etc. Serial No. 471,165; Sept. 25. Class 46.

Niagara Units, Inc., New York, N. Y. Therapeutic apparatus for imparting gyratory impulse to the human body. Serial No. 483,198; Sept. 25. Class 44.

Nutrition Products Company: See—

Holt, Frank J.

Oakes & Co., also doing business as Tru-Test, Chicago, Ill. Lubricating oils and greases, gasoline, kerosene, etc. Serial No. 480,610; Sept. 25. Class 15.

Oakes & Co., also doing business as Tru-Test, Chicago, Ill. Ready-mixed paints, varnishes, paint enamels, etc. Serial No. 480,611; Sept. 25. Class 16.

Osborn Manufacturing Company, The, Cleveland, Ohio. Brushes used as machine accessories, brushes made from wire for mounting upon shafting, rotary brushes, etc. Serial No. 479,440; Sept. 25. Class 23.

Packaging Industries Limited, Montclair, N. J. Adhesive material in liquid form. Serial No. 482,697; Sept. 25. Class 5.

Patterson, Roy McClure, doing business under the name of the Ack-Roy-Lyne Laboratories, Detroit, Mich. Denture refitting or lining material. Serial No. 463,820; Sept. 25. Class 44.

Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Hydrocarbon resins. Serial No. 484,178; Sept. 25. Class 1.

LIST OF REGISTRANTS OF TRADE-MARKS

Abel & Bach, Inc., Milwaukee, Wis. Suitcases. 416,761; Sept. 25; Serial No. 481,874; published July 17, 1945. Class 3.

Acme Brick Company, Fort Worth, Tex. Brick. 200,057; renewed June 23, 1945. O. G. Sept. 25. Class 12.

Agency Paper Company, New York, N. Y. Carbon paper and typewriter ribbons. 416,685; Sept. 25; Serial No. 478,796; published July 10, 1945. Class 11.

Airadid, Incorporated, Stamford, Conn. Therapeutic lamps. 416,783; Sept. 25; Serial No. 483,752; published July 17, 1945. Class 44.

Allen Optical Co.: See—

Hagen, Harold L.

Pensilagam Co.: See—

Aldmon, Max.

Phelan-Faust Paint Mfg. Co., St. Louis, Mo. Adhesive cement for attaching labels. Serial No. 481,377; Sept. 25. Class 5.

Premium Service Co. Inc., The, New York, N. Y. Periodical. Serial No. 484,974; Sept. 25. Class 38.

Raytron Fabrics Inc., New York, N. Y. Piece goods of cotton, rayon, wool, etc. Serial No. 483,985; Sept. 25. Class 42.

Remington Rand Inc., Buffalo, N. Y. Filing racks. Serial No. 484,359; Sept. 25. Class 32.

Rheinstrom, Marjorie G., Great Neck, N. Y. Toe covers. Serial No. 481,859; Sept. 25. Class 39.

Rite-way Products Company, Chicago, Ill. Stall cocks. Serial No. 483,875; Sept. 25. Class 13.

Roberts, Sidney S., Long Island City, N. Y. Slide fasteners. Serial No. 483,553; Sept. 25. Class 13.

Rose-Derry Company, Newton, Mass. Bumper and draft guards. Serial No. 484,426; Sept. 25. Class 32.

Schafer, Harold L., doing business as Gold Seal Co., Bismarck, N. Dak. Furniture polish. Serial No. 482,399; Sept. 25. Class 16.

Seybold Paper Company, The, Cincinnati, Ohio. Liquid cleaner for vitreous ware. Serial No. 482,591; Sept. 25. Class 4.

Sonneborn, L., Sons, Inc., New York, N. Y. Preparation for removing varnish from floors. Serial No. 480,201; Sept. 25. Class 16.

Sonorol Laboratories: See—

Tausig, Jack J.

Specific Pharmaceuticals, Inc., New York, N. Y. Histidine ascorbic acid ampule injection. Serial No. 484,812; Sept. 25. Class 6.

Spencer-Adams Paint Company, Atlanta, Ga. Paint enamels. Serial No. 483,121; Sept. 25. Class 16.

Standard Chemical Company, Natick, Mass. Chemical composition. Serial No. 479,053; Sept. 25. Class 6.

Stor-Aid, Inc., New York, N. Y. Containers. Serial No. 480,803; Sept. 25. Class 2.

Strom, Frederic H., New York, N. Y. Natural birth control calendars. Serial No. 483,389; Sept. 25. Class 38.

Tausig, Jack J., doing business as Sonoral Laboratories, New York, N. Y. Hypodermic solution. Serial No. 481,497; Sept. 25. Class 6.

Tru-Test: See—

Oakes & Co.

Turner, Grover B., Indianapolis, Ind. Dolls. Serial No. 484,470; Sept. 25. Class 22.

Unique Fibers, Inc., New York, N. Y. Piece goods. Serial No. 484,918; Sept. 25. Class 42.

V. J. Chemical Company: See—

Marshall, Walter S.

Van Raalte Company, Inc., New York, N. Y. Women's, misses', and children's underwear. Serial No. 484,281; Sept. 25. Class 39.

Vidal Distilled Liquors Inc., San Juan, P. R. Rum. Serial No. 484,282; Sept. 25. Class 49.

Wahl, M., & Son, doing business as Wahlson Co., New York, N. Y. Pads used in permanent hair waving. Serial No. 484,473; Sept. 25. Class 44.

Wahlson Co.: See—

Wahl, M., & Son.

Wallace Laboratories, Inc., New Brunswick, N. J. Liver extract product. Serial No. 483,945; Sept. 25. Class 6.

Werbin, Israel M., doing business as Werbin Shoe Co., Los Angeles, Calif. Shoes. Serial No. 482,772; Sept. 25. Class 39.

Werbin Shoe Co.: See—

Werbin, Israel M.

Wilson Brothers, Chicago, Ill. Men's dress and sport shirts. Serial No. 484,434; Sept. 25. Class 39.

Winckler & Smith Citrus Products Company, Anaheim, Calif. Canned citrus juices. Serial No. 484,513; Sept. 25. Class 46.

Windsor House, Ltd.: See—

"42" Products, Ltd.

Windsor Wax Company, Inc., Hoboken, N. J. Household cleaner for woodwork. Serial No. 481,091; Sept. 25. Class 4.

Wirth, Anthony F., Cleveland, Ohio. Paint brushes. Serial No. 483,708; Sept. 25. Class 29.

Allied Chemical & Dye Corporation: See—

Barrett Manufacturing Company.

Jayne, H. W., Chemical Co., The.

American Agricultural Chemical Company, The: See—

Michigan Carbon Works.

American Chicle Company: See—

Fleer, Frank H., and Company.

American Druggists Syndicate, Inc., Long Island City, N. Y. Solution for treatment of athlete's foot, ring worm, etc. 416,766; Sept. 25; Serial No. 482,410; published July 3. Class 6.

American Oil Company, The, Baltimore, Md. Gasoline, illuminating oils, lubricating oils and greases, etc. 206,898; renewed Dec. 15, 1945. O. G. Sept. 25. Class 15.

American Safety Razor Corporation: See—

Gum Safety Razor Corporation.

American Varnish Company, The, Chicago, Ill. Pigmented liquid coating. 416,797; Sept. 25. Class 16.

Antell, Carol: See—

Feinberg, Carol.

Antique Shoppe, The: See—

Rubicon.

Aufhauser, Alfred, doing business as Industrial Raw Materials Company, New York, N. Y. Wax composition. 416,784; Sept. 25; Serial No. 483,757; published July 17, 1945. Class 44.

Babson Bros. Co., Chicago, Ill. Inflations or flexible linings for the shell of a teat cup assembly. 416,682; Sept. 25; Serial No. 478,675; published July 17, 1945. Class 23.

Baca, Pablo, doing business as La Victoria Packing Co., Los Angeles, Calif. Edible sauce or condiment. 202,536; renewed Aug. 25, 1945. O. G. Sept. 25. Class 46.

Baldwin Company, The: See—

Ellington Piano Company, The.

Bantam-U. S. Toys, Inc., New York, N. Y. Cloth covered stuffed dolls and toy animals. 416,756; Sept. 25; Serial No. 481,732; published July 17, 1945. Class 22.

Barrett Manufacturing Company, to Allied Chemical & Dye Corporation, New York, N. Y. Ready tar and felt roofing. 48,117; re-renewed Dec. 12, 1945. O. G. Sept. 25. Class 12.

Barrett Manufacturing Company, to Allied Chemical & Dye Corporation, New York, N. Y. Tiles. 47,818; re-renewed Nov. 21, 1945. O. G. Sept. 25. Class 12.

Bay City Milling Company, Bay City, Mich. Malt sirup. 203,037; renewed Sept. 8, 1945. O. G. Sept. 25. Class 46.

Bercker-Young Company, Milwaukee, Wis. Printed technical charts, tables and drawings sold as such. 416,641; Sept. 25; Serial No. 473,557; published July 3, 1945. Class 38.

Best Foods, Inc., The: See—

H-O (Hornsbys) Oatmeal) Company.

Best Foods, Inc., The, New York, N. Y. Shortening. 207,025; renewed Dec. 15, 1945. O. G. Sept. 25. Class 46.

Black & Decker Manufacturing Company, The, Towson, Md. Portable electric drills and parts thereof, portable electric valve grinders, etc. 205,575-6; renewed Nov. 10, 1945. O. G. Sept. 25. Class 21.

Blatz Brewing Company: See—

Blatz, Valentin, Brewing Company.

Blatz, Valentin, Brewing Company, to Blatz Brewing Company, Milwaukee, Wis. Bottles lager-beer. 26,749; re-renewed July 2, 1945. O. G. Sept. 25. Class 48.

Blum, Samuel, New York, N. Y. Pocketbooks and bill-folds. 416,780; Sept. 25; Serial No. 483,511; published July 17, 1945. Class 3.

Boucher, William, & Sons, Baltimore, Md. Cigars. 206,033; renewed Nov. 24, 1945. O. G. Sept. 25. Class 17.

Boucher, William, & Sons, Baltimore, Md. Cigars. 206,035; renewed Nov. 24, 1945. O. G. Sept. 25. Class 17.

Bouton: See—

Bouton, George W., Co.

Brookman Manufacturing Company, to Harold F. Lange, Chicago, Ill. Bird-foods. 47,945; re-renewed Nov. 28, 1945. O. G. Sept. 25. Class 46.

Brush Development Company, The, Cleveland, Ohio. Electro-mechanical device for measuring surface roughness. 416,801; Sept. 25. Class 26.

Butler, Howard O., doing business as Butler's Food Products, Cedar Lake, Mich. Soya-butter. 416,787; Sept. 25. Class 46.

Butler's Food Products: See—

Butler, Howard O.

Button, George W., Co., doing business as Bouton, New York, N. Y. Insect repellent. 416,789; Sept. 25. Class 6.

Byard Manufacturing Company, Limited, Nottingham, England. Hairnets. 416,631; Sept. 25; Serial No. 471,022; published July 10, 1945. Class 39.

C. S. Bell Co., The, Hillsboro, Ohio. Church and school bells. 48,114; re-renewed Dec. 12, 1945. O. G. Sept. 25. Class 13.

C-Z Chemical Company, Beloit, Wis. Liquid hard drying finish. 416,703; Sept. 25; Serial No. 479,774; published July 10, 1945. Class 16.

Calbert Dress Co., New York, N. Y. Misses' dresses. 416,741; Sept. 25; Serial No. 481,351; published July 10, 1945. Class 39.

Callaway Mills, La Grange, Ga. Cotton fibre for machinery packing. 416,647; Sept. 25; Serial No. 474,576; published July 17, 1945. Class 35.

Campbell Horse Nail Company, The, to The Capewell Manufacturing Company, Hartford, Conn. Horse-nails. 48,113; re-renewed Dec. 12, 1945. O. G. Sept. 25. Class 13.

Campbell, Joseph, Company, to Campbell Soup Company, Camden, N. J. Prepared mustard. 48,089; re-renewed Dec. 12, 1945. O. G. Sept. 25. Class 46.

Campbell Soup Company: See—

Campbell, Joseph, Company.

Canadian Radium & Uranium Corporation, New York, N. Y. Apparatus for applying the rays of radio-active material. 416,659; Sept. 25; Serial No. 475,749; published July 17, 1945. Class 44.

Cantine, Martin, Company, The, Saugerties, N. Y. Enamelled book paper. 416,635; Sept. 25; Serial No. 472,249; published July 17, 1945. Class 37.

Capewell Manufacturing Company, The: See—

Campbell Horse Nail Company, The.

Carter, H. W., & Co. Limited, Bristol, England. Black-currant syrup prepared for medicinal purposes. 416,684; Sept. 25; Serial No. 478,782; published July 3, 1945. Class 6.

Carvanite Products, Los Angeles, Calif. Occasional boxes and salt and pepper shakers. 416,679; Sept. 25; Serial No. 478,532; published July 17, 1945. Class 2.

Caspar Lubricants, Incorporated, assignor to Lawson Petroleum Corporation, New York, N. Y. Concentrates, a mixture of primary, secondary and tertiary alcohols, ketones and lactones. 416,649; Sept. 25; Serial No. 474,847; published July 10, 1945. Class 6.

Castilian Products Corporation, doing business as Courtley, Inc., Hollywood, Calif. Perfume. 416,754; Sept. 25; Serial No. 481,612; published July 10, 1945. Class 6.

Castner, Curran & Bullitt, Philadelphia, Pa., New York, N. Y., Boston, Mass., Norfolk and Roanoke, Va., Chicago, Ill., and Cincinnati, Ohio, to Castner, Curran & Bullitt, Inc., New York, N. Y. Coal. 45,016-17; re-renewed Aug. 1, 1945. O. G. Sept. 25. Class 1.

Castner, Curran & Bullitt, Inc.: See—

Castner, Curran & Bullitt.

Cello Products Incorporated, New York, N. Y., to E. I. du Pont de Nemours and Company, Wilmington, Del. Window-glass substitutes and the like. 200,892; renewed July 14, 1945. O. G. Sept. 25. Class 50.

Chaves, Herman, doing business as Chaves Shoe Co., Boston, Mass. Shoes and slippers. 416,675; Sept. 25; Serial No. 478,448; published June 26, 1945. Class 39.

Chaves Shoe Co.: See—

Chaves, Herman.

Chedlic, Walter C., doing business as Pacific Graphite Works, Oakland, Calif. Facing and core binder. 416,622; Sept. 25; Serial No. 469,664; published July 17, 1945. Class 1.

Cisco, Inc., New York, N. Y. Ladies' and gentlemen's mufflers. 201,522; renewed July 28, 1945. O. G. Sept. 25. Class 39.

Cleveland Dental Manufacturing Company, The, Cleveland, Ohio. Temporary dental cement. 416,731; Sept. 25; Serial No. 481,012; published July 17, 1945. Class 44.

Climax Engineering Company, Clinton, Iowa, assignor to General Finance Corporation, Chicago, Ill. Internal combustion engine-electric generator units, and electric lighting plants. 416,609; Sept. 25; Serial No. 483,834; published July 17, 1945. Class 21.

Clinton Wire Cloth Co., Clinton, Mass., to Wickwire Spencer Steel Company, New York, N. Y. Wire-cloth. 46,018; re-renewed Sept. 5, 1945. O. G. Sept. 25. Class 13.

Club Razor & Blade Manufacturing Corporation, Newark, N. J. Razor blades. 416,767; Sept. 25; Serial No. 482,415; published July 17, 1945. Class 23.

Cole, Rex, Inc., Long Island City, N. Y. Diathermy heating apparatus for therapeutic uses. 416,782; Sept. 25; Serial No. 483,715; published July 17, 1945. Class 44.

Collins, Ashton B., doing business as Reddy Kilowatt, Short Hills, N. J., and New York, N. Y. Cartoons and comic strips. 416,717; Sept. 25; Serial No. 480,406; published July 3, 1945. Class 38.

Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Firearms. 416,686-7; Sept. 25; Serial Nos. 478,859-60; published July 10, 1945. Class 9.

Compo Corporation, The, to Gertrude H. Heyn, Westport, Conn. Stapling machines, staples, and parts, and accessories of such articles. 187,325; renewed July 29, 1944. O. G. Sept. 25. Class 37.

Constock, W. H., Company Limited, The, Morristown, N. Y. Worm-pellet. 47,963; re-renewed Nov. 28, 1945. O. G. Sept. 25. Class 6.

Consolidated News Features, Inc., New York, N. Y. Comic newspaper feature. 416,672; Sept. 25; Serial No. 477,733; published July 17, 1945. Class 38.

Consolidated Orange Growers: See—

McPherson Heights Citrus Association.

Cordo Chemical Corporation, Norwalk, Conn. Corrosion resistant paint. 416,705; Sept. 25; Serial No. 479,967; published July 10, 1945. Class 16.

Cornell Wood Products Company, Cornell, Wis., and Chicago, Ill., to Cornell Wood Products Company, Milwaukee, Wis. Radio-panels, switchboard panels, and insulated composition boards, etc. 200,251; renewed June 30, 1945. O. G. Sept. 25. Class 21.

Coro, Inc., New York, N. Y. Necklaces, bracelets, rings, etc. 416,702; Sept. 25; Serial No. 479,665; published July 17, 1945. Class 28.

Cortland Welding Compound Company, Cortland, N. Y. Welding compounds. 48,443; re-renewed Aug. 22, 1945. O. G. Sept. 25. Class 6.

Cortland Welding Compound Company, Cortland, N. Y. Chemical welding compound. 45,476; re-renewed Aug. 22, 1945. O. G. Sept. 25. Class 6.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. 416,746; Sept. 25; Serial No. 481,467; published July 10, 1945. Class 6.

Courtley, Inc.: See—

Castilian Products Corporation.

Crescent Manufacturing Co., Seattle, Wash. Spices. 47,630; re-renewed Nov. 14, 1945. O. G. Sept. 25. Class 46.

Crown Cordial & Extract Co., to Henry H. Shufeldt & Co., Inc., New York, N. Y. Fruit preparations and extracts for flavoring. 47,300; re-renewed Oct. 31, 1945. O. G. Sept. 25. Class 46.

Crowther, John, & Sons (Millsbridge) Limited, Huddersfield, Yorkshire, England. Piece goods. 416,666; Sept. 25; Serial No. 476,756; published July 3, 1945. Class 42.

Cudahy Brothers Company, Cudahy, Wis. Lard, tallow, lard compounds, etc. 47,217; re-renewed Oct. 21, 1945. O. G. Sept. 25. Class 46.

Cudahy Brothers Company, Cudahy, Wis. Lard, tallow, lard compounds, etc. 47,631; re-renewed Nov. 14, 1945. O. G. Sept. 25. Class 46.

Cudahy Brothers Company, Cudahy, Wis. Lard, lard compounds, tallow, etc. 47,772; re-renewed Nov. 21, 1945. O. G. Sept. 25. Class 46.

Cudahy Brothers Company, Cudahy, Wis. Glue. 47,847; re-renewed Nov. 21, 1945. O. G. Sept. 25. Class 5.

Curly Lox Products: See—

Plate, Robert T.

Dalo, F.: See—

Dalo, Ferdinand.

Dalo, Ferdinand, Sr., doing business as F. Dalo, Sharon, Pa. Candy. 416,695; Sept. 25; Serial No. 479,113; published July 17, 1945. Class 46.

Dan Valley Mills, Danville, Va. Self-rising wheat flour. 206,970; renewed Dec. 15, 1945. O. G. Sept. 25. Class 46.

Day & Frick: See—

Day, Howard D.

Day, Howard D., doing business as Day & Frick, Philadelphia, Pa. Soap. 416,706; Sept. 25; Serial No. 480,011; published July 3, 1945. Class 4.

Decker, Richard M., Company, Inc.: See—

Decker, Richard M., Company.

Decker, Richard M., Company, to Richard M. Decker Company, Inc., Chicago, Ill. Theft-prevention locking devices. 199,930; renewed June 23, 1945. O. G. Sept. 25. Class 25.

Derrick Publishing Company, The, Oil City, Pa. Daily newspaper. 416,663-4; Sept. 25; Serial Nos. 476,150-1; published July 3, 1945. Class 38.

Derrick Publishing Company, The, Oil City, Pa. Weekly newspaper. 416,665; Sept. 25; Serial No. 476,152; published July 3, 1945. Class 38.

De-Tex Company, Inc., Philadelphia, Pa. Tubular netting used for lowering objects. 416,638; Sept. 25; Serial No. 472,890; published July 10, 1945. Class 42.

De Witt, E. C., & Co., Inc., New York, N. Y., to E. C. De Witt & Co., Inc., Chicago, Ill. Antiseptic and soothing preparation. 206,665; renewed Dec. 8, 1945. O. G. Sept. 25. Class 6.

Dew-Kist Vegetable Co.: See—

Guzetta, Tony.

Dieeler Corporation, The, Greenville, Pa. Electrical refrigerators. 416,626; Sept. 25; Serial No. 470,019; published July 17, 1945. Class 31.

Diversey Corporation, The, Chicago, Ill. Cleaning compound. 416,620; Sept. 25; Serial No. 469,385; published July 10, 1945. Class 4.

Douglas Drug Store: See—

Douglas, Edwin B.

Douglas, Edwin B., Chicago, Ill., to Edwin B. Douglas, doing business as Douglas Drug Store, Hammond, Ind. Antiseptic, astringent, and deodorizing solutions. 199,843; renewed June 16, 1945. O. G. Sept. 25. Class 6.

Drake Corporation, Norfolk, Va. Oil-stain remover. 202,721; renewed Sept. 1, 1945. O. G. Sept. 25. Class 4.

Drug Products Co., Inc., The, Long Island City, N. Y. Publications or booklets. 200,524; renewed July 7, 1945. O. G. Sept. 25. Class 38.

Dulle, G. H., Milling Co., Jefferson City, Mo. Dog feed meal. 416,743; Sept. 25; Serial No. 481,402; published July 17, 1945. Class 46.

Dunn Woolen Company, Martinsburg, W. Va. Textile fabrics in the piece. 416,671; Sept. 25; Serial No. 477,687; published July 10, 1945. Class 42.

Du Pont, E. I., de Nemours and Company: See—

Cello Products Incorporated.

Eaton, O. O.: See—

Eaton, Orrin O.

Eaton, Orrin O., doing business as O. O. Eaton, Watsonville, Calif. Fresh fruits and vegetables. 207,058; renewed Dec. 15, 1945. O. G. Sept. 25. Class 46.

Eaton Paper Corporation, Pittsfield, Mass. Writing paper and envelopes. 416,750; Sept. 25; Serial No. 481,527; published July 17, 1945. Class 37.

Esco Manufacturing Company, Columbus, Ohio. Water cooling apparatus. 416,771; Sept. 25; Serial No. 482,736; published July 17, 1945. Class 31.

Edgewood Farms, Inc., Ridgefield, N. J. Grass seeds. 416,751; Sept. 25; Serial No. 481,528; published July 17, 1945. Class 1.

Electro Products Labs., Chicago, Ill. Electronic instruments and apparatus. 416,794; Sept. 25. Class 26.

El-Bee's Foundations, Newark, N. J. Ladies' foundation garments. 416,699; Sept. 25; Serial No. 479,556; published June 26, 1945. Class 39.

Elgin National Watch Co., Elgin and Chicago, to Elgin National Watch Company, Elgin, Ill. Watches. 47,470; re-renewed Nov. 7, 1945. O. G. Sept. 25. Class 27.

Elgin National Watch Company: See—

Elgin National Watch Co.

Ellington Piano Company, The, to The Baldwin Company, Cincinnati, Ohio. Pianos. 46,574; re-renewed Sept. 26, 1945. O. G. Sept. 25. Class 36.

Energen Foods Co., Inc.: See—

Maurice, R., & Co., Limited.

Erie Resistor Corporation, Erie, Pa. Electrical resistors and electrical condensers. 416,719; Sept. 25; Serial No. 480,568; published July 17, 1945. Class 21.

Eugene, Ltd., Brooklyn, N. Y. Permanent waving solutions and hair drying solutions. 416,700; Sept. 25; Serial No. 479,561; published July 3, 1945. Class 6.

Eutectic Welding Alloys Company: See—

Wasserman, Rene D.

Everson, F. E.: See—

Everson, Franklin E.

Everson, Franklin E., doing business as F. E. Everson, New York, N. Y. Detergent preparation. 416,730; Sept. 25; Serial No. 480,981; published July 10, 1945. Class 4.

Fairbanks, Morse & Co., Chicago, Ill. Automatic coal stokers. 416,615; Sept. 25; Serial No. 465,254; published July 10, 1945. Class 34.

Fansteel Metallurgical Corporation, North Chicago, Ill. Welding rods. 416,726; Sept. 25; Serial No. 480,818; published July 10, 1945. Class 14.

Farber Brothers, New York, N. Y. Silver-plated hollow ware. 205,093; renewed Nov. 3, 1945. O. G. Sept. 25. Class 28.

Federal Products Corporation, Providence, R. I. Lens gauges, wire gauges, comparators, etc. 206,808; renewed Dec. 8, 1945. O. G. Sept. 25. Class 26.

Feinberg, Carol, doing business as Carol Antell, New York, N. Y. Costume jewelry. 416,791; Sept. 25. Class 28.

Fileene's, Wm., Sons Company, Boston, Mass. Men's hats, caps, suits, etc., and women's blouses, sport shirts, coats and suits. 416,633; Sept. 25; Serial No. 472,052; published June 26, 1945. Class 39.

Fischer, Albert C., doing business as Serviced Products Company, Chicago, Ill. Bathing suits, bathing caps, hosiery, etc. 416,603; Sept. 25; Serial No. 459,926; published June 26, 1945. Class 39.

Fleer, Frank H., and Company, Philadelphia, Pa., to American Chic Company, Long Island City, N. Y. Chewing-gum. 48,005; re-renewed Dec. 5, 1945. O. G. Sept. 25. Class 46.

Flinner, Elgie C., Kansas City, Mo. Cooking equipment in the nature of field kitchens. 416,747; Sept. 25; Serial No. 481,473; published July 17, 1945. Class 34.

Flinthote Company, The, Boston, Mass., to The Flinthote Company, New York, N. Y. Mineral-surfaced flexible roofing shingles. 204,309; renewed Oct. 12, 1945. O. G. Sept. 25. Class 12.

Follansbee Brothers Company, to Follansbee Steel Corporation, Pittsburgh, Pa. Ferrous plates and sheets. 203,696; renewed Sept. 22, 1945. O. G. Sept. 25. Class 14.

Follansbee Brothers Company, to Follansbee Steel Corporation, Pittsburgh, Pa. Ferrous plates and sheets. 204,487; renewed Oct. 20, 1945. O. G. Sept. 25. Class 14.

Follansbee Steel Corporation: See—

Follansbee Brothers Company.

Ford, Luther, & Company, Minneapolis, Minn. Bluing. 206,610-11; renewed Dec. 8, 1945. O. G. Sept. 25. Class 6.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen cloths. 45,865; re-renewed Aug. 29, 1945. O. G. Sept. 25. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 200,555; renewed July 7, 1945. O. G. Sept. 25. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 200,705; renewed July 7, 1945. O. G. Sept. 25. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 200,709-10; renewed July 7, 1945. O. G. Sept. 25. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 201,427; renewed July 28, 1945. O. G. Sept. 25. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 201,464-5; renewed July 28, 1945. O. G. Sept. 25. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 201,467; renewed July 28, 1945. O. G. Sept. 25. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 201,499; renewed July 28, 1945. O. G. Sept. 25. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 201,496-9; renewed July 28, 1945. O. G. Sept. 25. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 201,501; renewed July 28, 1945. O. G. Sept. 25. Class 42.

Forstmann Woolen Co.: See—

Forstmann & Huffmann Company.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper towels, paper napkins, etc. 206,994; re-renewed Dec. 15, 1945. O. G. Sept. 25. Class 37.

Fort Mill Manufacturing Co., Fort Mill, S. C., to The Springs Cotton Mills, Lancaster, Pa. Textile sheets and pillowcases. 207,049; renewed Dec. 15, 1945. O. G. Sept. 25. Class 42.

Foster, C. B., Packing Co., Inc., Biloxi, Miss., to Southern Shell Fish Co., Inc., New Orleans, La. Canned shrimp, and canned oysters. 196,087; renewed Mar. 10, 1945. O. G. Sept. 25. Class 46.

Fox, M. Ewing, Co., Inc.: See—

Fox, M. Ewing, & Co.

Fox, M. Ewing, & Co., to M. Ewing Fox Co., Inc., New York, N. Y. Water-paint or calcimine. 44,624; re-renewed July 18, 1945. O. G. Sept. 25. Class 16.

Fox River Tractor Co., Appleton, Wis. Tractors and silo fillers. 206,815; renewed Dec. 8, 1945. O. G. Sept. 25. Class 23.

Friedmans' Jewelers, Inc., Savannah, Ga. Watches. 416,796; Sept. 25. Class 27.

Fruit of the Loom, Inc.: See—

Knight, B. B., & R., Inc.

Funke, A. Edward, & Company, New York, N. Y. Hair-brushes. 416,650; Sept. 25; Serial No. 474,951; published July 17, 1945. Class 40.

Galen Company, Berkeley, Calif. Elixirs, tonics, adsorbates, etc. 416,736; Sept. 25; Serial No. 481,139; published July 10, 1945. Class 6.

Gammal Iota Alpha, Brooklyn, N. Y. Recognition badges, lapel buttons, cuff links, etc. 416,737; Sept. 25; Serial No. 481,140; published July 17, 1945. Class 28.

Garlick Films, Ltd., Ottawa, Ontario, Canada. Lens adapters, darkroom aprons, cameras, etc. 416,636-7; Sept. 25; Serial Nos. 472,808-9; published July 17, 1945. Class 26.

Gem Safety Razor Corporation, to American Safety Razor Corporation, Brooklyn, N. Y. Safety razors. 204,041; renewed Oct. 6, 1945. O. G. Sept. 25. Class 23.

Gemex Company, Union Township, Union County, N. J. Wrist watch bracelets and bracelets. 416,632; Sept. 25; Serial No. 471,975; published July 17, 1945. Class 28.

General Finance Corporation: See—

Climax Engineering Company, assignor.

General Motors Corporation: See—

Packard Electric Company, The.

Goldenbro Fabrics, Inc., New York, N. Y. Rayon piece goods, and rayon and cotton piece goods. 416,707; Sept. 25; Serial No. 480,019; published July 10, 1945. Class 42.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Pneumatic tires. 416,765; Sept. 25; Serial No. 482,324; published July 17, 1945. Class 35.

Gordon, Lionel: See—

Rothschild, Lionel G.

Gordon Shirt Company, to Reliance Manufacturing Company, Chicago, Ill. Work shirts. 199,897; renewed June 23, 1945. O. G. Sept. 25. Class 39.

Graham, Vernon F., Sr., Chester, Pa. Spindles for holding balls of crocheting, tatting, etc. 416,660; Sept. 25; Serial No. 475,847; published July 10, 1945. Class 40.

Graphic Arts Corporation of Ohio, Toledo, Ohio. Prints of mechanical drawings, architect's plans and like designs. 416,617; Sept. 25; Serial No. 467,885; published July 3, 1945. Class 38.

Great Lakes Varnish Works, Inc., Chicago, Ill. Varnishes, paint enamels, stains, etc. 207,014; renewed Dec. 15, 1945. O. G. Sept. 25. Class 16.

Gregory & Read Co., Lynn, Mass. Ladies' and misses' shoes. 416,744; Sept. 25; Serial No. 481,410; published July 3, 1945. Class 39.

Gulden, Charles, New York, N. Y., to Mawer-Gulden-Annis, Inc., Brooklyn, N. Y. Olives put up in mustard dressing. 48,262; re-renewed Dec. 19, 1945. O. G. Sept. 25. Class 46.

Guzetta, Tony, doing business as Dew-Kist Vegetable Co., Ontario, Calif. Fresh vegetables. 416,738; Sept. 25; Serial No. 481,183; published July 17, 1945. Class 46.

Hagen, Harold L., doing business as Allen Optical Co., Buffalo, N. Y. Apparatus for cleaning goggles. 416,792; Sept. 25. Class 13.

Hamilton, Brown Shoe Company, to Millus Shoe Company, St. Louis, Mo. Men's and boys' leather and fabric shoes. 205,653; renewed Nov. 10, 1945. O. G. Sept. 25. Class 39.

Hanna Stoker Company, The, Cincinnati, Ohio. Parts for fuel stokers. 416,723; Sept. 25; Serial No. 480,701; published July 17, 1945. Class 34.

Hanover Canning Company, Hanover, Pa. Canned vegetables. 206,598; renewed Dec. 8, 1945. O. G. Sept. 25. Class 46.

Happy Day Company, Inc., Lafayette, La. Dietary supplement. 416,677; Sept. 25; Serial No. 478,511; published July 10, 1945. Class 6.

Harman Watch Co., New York, N. Y. Watches, clocks and parts thereof. 416,786; Sept. 25. Class 27.

Harold & Harold, New York, N. Y. Change purses. 416,674; Sept. 25; Serial No. 478,388; published July 3, 1945. Class 3.

Hearst Corporation, The, New York, N. Y. Newspaper cartoon. 416,667; Sept. 25; Serial No. 477,230; published July 3, 1945. Class 38.

Hendon, Lois L., Marion, Ala. Dolls. 416,645; Sept. 25; Serial No. 474,411; published July 17, 1945. Class 22.

Herman, Samuel, doing business as Dr. Herman's Research Laboratories, New York, N. Y. Local anaesthetics. 416,790; Sept. 25. Class 6.

Herman's, Dr., Research Laboratories: See—

Herman, Samuel A.

Heyn, Gertrude H.: See—

Compo Corporation, The.

Hilltop Farm Feed Company, Minneapolis, Minn. Poultry feeds. 416,673; Sept. 25; Serial No. 478,325; published July 17, 1945. Class 46.

H-O (Hornsbys) Oatmeal Company, The, to The Best Foods, Inc., New York, N. Y. Bread and other baker's products. 27,212; re-renewed Nov. 12, 1945. O. G. Sept. 25. Class 46.

Holiday Casuals, New York, N. Y. Slippers. 416,727; Sept. 25; Serial No. 480,824; published June 26, 1945. Class 39.

Horn, A. C., Company, Long Island City, N. Y. Industrial finish paint enamel. 416,693; Sept. 25; Serial No. 479,038; published July 10, 1945. Class 16.

Horst, E. Clemens, Co., San Francisco, Calif. Hops. 206,305; renewed Nov. 24, 1945. O. G. Sept. 25. Class 1.

Hough Shade Corporation, Janesville, Wis. Fabric formed of woven splints, strips, or slats, etc., for shades etc. 48,088; re-renewed Dec. 12, 1945. O. G. Sept. 25. Class 32.

Houston Textile Company: See—

Houston Textile Mills.

Houston Textile Mills, to Houston Textile Company, Houston, Tex. Cotton blankets. 203,763; renewed Sept. 22, 1945. O. G. Sept. 25. Class 42.

Howard Sales Company, Council Bluffs, Iowa. Plug-in letters. 416,676; Sept. 25; Serial No. 478,455; published July 17, 1945. Class 22.

Hunt, Helm, Ferris & Co., to Starline Inc., Harvard, Ill. Bull stiffs, floor scrapers, litter carriers, etc. 200,639; renewed July 7, 1945. O. G. Sept. 25. Class 23.

Hunt, Helm, Ferris & Co., to Starline Inc., Harvard, Ill. Scooter (or skooters), wheeled vehicles somewhat similar to wheeled sleds, etc. 203,681; renewed Sept. 22, 1945. O. G. Sept. 25. Class 22.

Husband Dental Supply Co.: See—

Husband, Ernest G.

Husband, Ernest G., doing business as Husband Dental Supply Co., Burbank, Calif. Dental instruments. 416,667; Sept. 25; Serial No. 475,696; published July 17, 1945. Class 44.

Illinois Nut Products Co., to McGarry Nut Products Ltd., Chicago, Ill. Peanut brittle and candy-covered nuts. 203,804; renewed Sept. 29, 1945. O. G. Sept. 25. Class 46.

Illinois Nut Products Co., to McGarry Nut Products Ltd., Chicago, Ill. Candy-covered nuts. 204,669; renewed Oct. 20, 1945. O. G. Sept. 25. Class 46.

Illinois Nut Products Co., to McGarry Nut Products Ltd., Chicago, Ill. Peanut brittle. 204,670; renewed Oct. 20, 1945. O. G. Sept. 25. Class 46.

Industrial Raw Materials Company: See—

Aufhauser, Alfred.

International Plastic Harmonica Corporation, Newark, N. J. Harmonicas. 416,776; Sept. 25; Serial No. 483,022; published July 17, 1945. Class 26.

International Telephone and Telegraph Corporation, New York, N. Y. Periodicals and magazines. 204,896; renewed Oct. 27, 1945. O. G. Sept. 25. Class 38.

International Telephone and Telegraph Corporation, New York, N. Y. Periodical published quarterly. 204,897; renewed Oct. 27, 1945. O. G. Sept. 25. Class 38.

Interstate Laboratories, Inc., Louisville, Ky. Medicated eye pads, eye salve, eye drops, etc. 416,755; Sept. 25; Serial No. 481,632; published July 10, 1945. Class 6.

Jayne, H. W., Chemical Co., The, Philadelphia, Pa., to Allied Chemical & Dye Corporation, New York, N. Y. Disinfectants. 27,325; re-renewed Nov. 26, 1945. O. G. Sept. 25. Class 6.

Jerpe Commission Company, Inc., Omaha, Nebr. Frozen fowl foods. 416,793; Sept. 25. Class 46.

Johnson, Charles Eneu, and Company, Philadelphia, Pa. Printing and lithographing inks. 206,938; renewed Dec. 15, 1945. O. G. Sept. 25. Class 11.

Johnston, Robert A., Company, Milwaukee, Wis. Candy. 416,704; Sept. 25; Serial No. 479,941; published July 17, 1945. Class 46.

Justi, H. D., & Son, Inc., Philadelphia, Pa. Artificial teeth. 416,769; Sept. 25; Serial No. 481,849; published July 17, 1945. Class 44.

Kerr, Alex, Bro. & Co., Inc.: See—

Kerr, Alex, Brother & Co., Inc.

Kerr, Alex, Brother & Co., Inc., to Alex Kerr, Bro. & Co., Inc., Philadelphia, Pa. Salt. 204,951; renewed Oct. 27, 1945. O. G. Sept. 25. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Keystone Steel & Wire Company, Peoria, Ill. Galvanized sheets. 206,250; renewed Nov. 24, 1945. O. G. Sept. 25. Class 14.

Keystone Steel & Wire Company, Peoria, Ill. Galvanized sheets. 206,253; renewed Nov. 24, 1945. O. G. Sept. 25. Class 14.

King, George, & Company Limited: See—
Miles, Eustace, Foods (1921) Limited.

Knight, B. B. & R., Inc., Providence, R. I., and New York, N. Y., to Fruit of the Loom, Inc., Providence, R. I. Bleached cotton piece goods. 200,757; renewed July 7, 1945. O. G. Sept. 25. Class 42.

Krohn, Otto, Chicago, Ill. Shrimps fried in batter. 416,798; Sept. 25. Class 46.

Kursh Paper Company, Cleveland, Ohio. Rectangularly-shaped board composed of a semi-plastic cellulosic material. 416,709; Sept. 25; Serial No. 480,114; published July 17, 1945. Class 32.

Lambros & Sons, Bellaire, Ohio. Antiseptic healing and soothing ointment. 200,348; renewed June 30, 1945. O. G. Sept. 25. Class 6.

Lange, Harold F.: See—
Brookman Manufacturing Company.

Lane Tobacco, Ltd., New York, N. Y. Pipes, pipe cases, tobacco pouches, etc. 416,630; Sept. 25; Serial No. 471,528; published July 17, 1945. Class 8.

Langman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Soap. 416,608; Sept. 25; Serial No. 463,207; published July 17, 1945. Class 4.

La Victoria Packing Co.: See—
Baca, Pablo.

Lawson Petroleum Corporation: See—
Caspas Lubricants, Incorporated.

Lentheric, Incorporated, New York, N. Y. Face powder. 416,753; Sept. 25; Serial No. 481,582; published July 10, 1945. Class 6.

Lentheric, Incorporated, New York, N. Y. Perfumes, toilet waters and cosmetic creams. 416,760; Sept. 25; Serial No. 481,850; published July 10, 1945. Class 6.

Leonardo Co. Inc., The, to Leonardo Furniture Co. Incorporated, New York, N. Y. Household furniture. 204,924; renewed Oct. 27, 1945. O. G. Sept. 25. Class 32.

Leonardo Furniture Co. Incorporated: See—
Leonardo Co. Inc., The.

Les Parfums De Dana, Inc., New York, N. Y. Vanity cases, compacts and lipstick holders. 416,763; Sept. 25; Serial No. 482,165; published July 17, 1945. Class 2.

Licco Packing Co., Inc., Merrick, N. Y. Liquid bleach. 416,698; Sept. 25; Serial No. 479,391; published July 3, 1945. Class 6.

Linde Air Products Company, The, New York, N. Y. Electric welding torches. 416,610; Sept. 25; Serial No. 464,053; published July 17, 1945. Class 21.

Lindsay & Lindsay, Chicago, Ill. Prefabricated metal structural shapes and sheets. 416,612-14; Sept. 25; Serial Nos. 464,703-5; published July 17, 1945. Class 2.

Listerated Gum Corporation, New York, N. Y., to Wm. Wrigley Jr. Company, Chicago, Ill. Chewing gum. 200,560; renewed July 7, 1945. O. G. Sept. 25. Class 46.

Loew's Incorporated: See—
Metro-Goldwyn Distributing Corporation.

Manhattan Shirt Company, The, New York, N. Y. Articles of wearing apparel. 416,729; Sept. 25; Serial No. 480,919; published July 3, 1945. Class 39.

Marmon Motors Incorporated: See—
Victor Motors, Inc.

Masie, Hans H., New York, N. Y. Toilet waters, eau de cologne and perfumes. 416,652; Sept. 25; Serial No. 475,212; published June 26, 1945. Class 6.

Master Lock Company, Milwaukee, Wis. Padlocks. 416,623; Sept. 25; Serial No. 469,778; published June 26, 1945. Class 25.

Matulich, T. J., Co.: See—
Matulich, T. J.

Matulich, T. J., doing business as T. J. Matulich Co., Watsonville, Calif. Fresh vegetables. 416,800; Sept. 25. Class 46.

Maurice, R. & Co., Limited, London, England, to Energen Foods Co., Inc., New York, N. Y. Biscuits. 206,841; renewed Dec. 8, 1945. O. G. Sept. 25. Class 46.

Mawer-Gulden-Annis, Inc.: See—
Gulden, Charles.

May, Jack, doing business as Sardeau, New York, N. Y. Perfume, lipsticks, rouge, face powder, etc. 416,762; Sept. 25; Serial No. 482,064; published July 3, 1945. Class 6.

Maywood, Charles G., Albion, to Charles G. Maywood, Saginaw, Mich. Medicines and pharmaceutical preparations. 199,655; renewed June 16, 1945. O. G. Sept. 25. Class 6.

McGarry Nut Products Ltd.: See—
Illinois Nut Products Co.

McPherson Heights Citrus Association, to Consolidated Orange Growers, Orange, Calif. Fresh citrus fruits. 207,034; renewed Dec. 15, 1945. O. G. Sept. 25. Class 46.

McWilliams, Marjorie P., Los Angeles, Calif. Purses. 416,774; Sept. 25; Serial No. 482,941; published July 17, 1945. Class 3.

Metro-Goldwyn Distributing Corporation, New York, N. Y., assignor to Metro-Goldwyn Pictures Corporation to Loew's Incorporated, Dover, Del. Motion-picture films. 206,370; renewed Dec. 1, 1945. O. G. Sept. 25. Class 26.

Metro-Goldwyn Pictures Corporation: See—
Metro-Goldwyn Distributing Corporation, assignor.

Michigan Carbon Works, Detroit, Mich., to The American Agricultural Chemical Company, New York, N. Y. Bone-black. 47,905; re-renewed Nov. 28, 1945. O. G. Sept. 25. Class 1.

Midwest Mineral Company, Greenwood, Ind. Mixture of stock feed. 416,627; Sept. 25; Serial No. 470,458; published July 17, 1945. Class 46.

Mike, Frances B., Newark, N. J. Scalp and hair dressing pomades. 416,795; Sept. 25. Class 6.

Miles, Eustace, Foods (1921) Limited, to George King & Company Limited, London, England. Prepared food. 192,718; renewed Dec. 9, 1944. O. G. Sept. 25. Class 46.

Millus Shoe Company: See—
Hamilton, Brown Shoe Company.

Miller Bros. Hat Co. Inc., New York, N. Y. Men's hats. 416,733; Sept. 25; Serial No. 481,117; published July 17, 1945. Class 39.

Mine Safety Appliances Company, Pittsburgh, Pa. Chemical materials. 204,300; renewed Oct. 13, 1945. O. G. Sept. 25. Class 6.

Mine Safety Appliances Company, Pittsburgh, Pa. Bandages, tourniquets, air purifying apparatus, etc. 204,301; renewed Oct. 13, 1945. O. G. Sept. 25. Class 44.

Mine Safety Appliances Company, Pittsburgh, Pa. Chemical materials. 205,520; renewed Nov. 10, 1945. O. G. Sept. 25. Class 6.

Mine Safety Appliances Company, Pittsburgh, Pa. Mixtures of oxygen and carbon dioxide for treating asphyxia from carbon monoxide, etc. 205,521; renewed Nov. 10, 1945. O. G. Sept. 25. Class 6.

Mineralized Foods: See—
West, N. S.

Miner's, Inc., New York, N. Y. Make-up base. 416,621; Sept. 25; Serial No. 469,439; published July 3, 1945. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Solutions, suspensions, and emulsions. 416,683; Sept. 25; Serial No. 478,718; published July 3, 1945. Class 6.

Moore, John Hudson, Inc., New York, N. Y. Combs. 416,701; Sept. 25; Serial No. 479,637; published July 10, 1945. Class 40.

Morgan Sash & Door Company, Chicago, Ill. Windows, doors, blinds, etc. 206,783; renewed Dec. 8, 1945. O. G. Sept. 25. Class 12.

Morse & Burt Co., Inc., Brooklyn, N. Y., to The Selby Shoe Company, Portsmouth, Ohio. Rubber heels. 203,395; renewed Sept. 15, 1945. O. G. Sept. 25. Class 39.

Mylish, Mann & Drucker, Philadelphia, Pa. Men's dress shirts. 206,707; renewed Dec. 8, 1945. O. G. Sept. 25. Class 39.

National Glass Distributors Association, Chicago, Ill. Pamphlets or catalogs distributed. 416,605; Sept. 25; Serial No. 461,803; published July 3, 1945. Class 38.

National Oil Products Company, Harrison, N. J. Detergent for general industrial use. 416,718; Sept. 25; Serial No. 480,469; published July 17, 1945. Class 4.

National-Simplex-Bludworth, Inc., New York, N. Y. Motion pictures. 416,777; Sept. 25; Serial No. 483,188; published July 17, 1945. Class 26.

Navy Family Magazine: See—
Paolozzi, Mary.

Negbaur, H., & Co., New York, N. Y. Pyrophoric cigar and cigarette lighters. 416,768; Sept. 25; Serial No. 482,435; published July 10, 1945. Class 34.

New Era Shirt Company, St. Louis, Mo. Sport shirts. 205,722; renewed Nov. 17, 1945. O. G. Sept. 25. Class 39.

Niagara Sprayer and Chemical Co., Inc., Middleport, N. Y. Insecticidal composition. 416,757; Sept. 25; Serial No. 481,797; published July 10, 1945. Class 8.

Northern Engraving & Manufacturing Co.: See—
Northern Engraving Company.

Northern Engraving Company, to Northern Engraving & Manufacturing Co., La Crosse, Wis. Ammeters for automobiles. 200,910; renewed July 14, 1945. O. G. Sept. 25. Class 26.

Northwestern Extract Co., Milwaukee, Wis. Maltless, noncereal beverage and sirup for making the same. 206,940; renewed Dec. 15, 1945. O. G. Sept. 25. Class 45.

Nuodex Products Co., Inc., Elizabeth, N. J. Ink driers. 416,734; Sept. 25; Serial No. 481,119; published July 17, 1945. Class 11.

Nutrition Research Laboratories, Chicago, Ill. Vitamin D concentrate. 416,745; Sept. 25; Serial No. 481,421; published July 3, 1945. Class 6.

Oakes & Co., also doing business as Tru-Test, Chicago, Ill. Rifles, shotguns, target pistols, and ammunition for the same. 416,720; Sept. 25; Serial No. 480,607; published June 19, 1945. Class 9.

LIST OF REGISTRANTS OF TRADE-MARKS

Oakes & Co., also doing business as Tru-Test, Chicago, Ill. Composition floor covering, linoleum, oiled cloth wall covering, etc. 416,721; Sept. 25; Serial No. 480,613; published June 19, 1945. Class 20.

O'Sullivan Rubber Company, Inc., The, Winchester, Va. Adhesive cements. 416,619; Sept. 25; Serial No. 469,236; published July 17, 1945. Class 5.

O'Sullivan Rubber Company, Inc., The, Winchester, Va. Rubber heels and soles. 416,625; Sept. 25; Serial No. 469,938; published July 17, 1945. Class 39.

P. H. D. Laboratory, Inc., New Orleans, La. Sedative medicine. 416,740; Sept. 25; Serial No. 481,290; published July 3, 1945. Class 6.

Pacific Graphite Works: See—
Chedec, Walter C.

Packard Electric Company, The, Warren, Ohio, to General Motors Corporation, Detroit, Mich. Electrical wires and cables, wiring assemblies, radio apparatus, etc. 207,011; renewed Dec. 15, 1945. O. G. Sept. 25. Class 21.

Paolozzi, Mary, doing business as Navy Family Magazine, Whittier, Calif. Magazines. 416,648; Sept. 25; Serial No. 474,635; published July 3, 1945. Class 38.

Parfums Schlaparelli, Inc., New York, N. Y. Face powders, perfumes, toilet waters, etc. 416,646; Sept. 25; Serial No. 474,460; published July 10, 1945. Class 6.

Parker Pen Company, The, Janesville, Wis. Writing ink. 416,642-3; Sept. 25; Serial Nos. 474,090-1; published July 17, 1945. Class 11.

Parrish, Robert E., doing business as Worth Pharmacal Company, Fort Worth, Tex. Preparation for the treatment of bovine keratitis (pink eye) among cattle and other livestock. 416,764; Sept. 25; Serial No. 482,256; published July 10, 1945. Class 6.

Passin, Sidney, New York, N. Y. Ladies' and misses' fur coats, fur hats, fur scarfs, etc. 416,799; Sept. 25. Class 39.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic tires and tubes for vehicle wheels. 416,781; Sept. 25; Serial No. 483,698; published July 17, 1945. Class 35.

Philadelphia Capsule Co., Inc., Philadelphia, Pa. Medicinal compound. 416,699; Sept. 25; Serial No. 479,301; published July 10, 1945. Class 6.

Philadelphia Capsule Co., Inc., Philadelphia, Pa. Medicinal compound. 416,722; Sept. 25; Serial No. 480,619; published July 10, 1945. Class 6.

Phillips Ribbon & Carbon Co., Inc., Rochester, N. Y. Carbon paper and typewriter ribbon. 206,919-20; renewed Dec. 15, 1945. O. G. Sept. 25. Class 11.

Physicians & Hospitals Supply Co., Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 416,606; Sept. 25; Serial No. 462,592; published Jan. 4, 1944. Class 6.

Picker X-Ray Corporation, New York, N. Y. Replenisher for developer for X-ray film. 416,742; Sept. 25; Serial No. 481,380; published July 3, 1945. Class 6.

Piggly Wiggly Northwest, Inc., Duluth, Minn. Coffee. 416,788; Sept. 25. Class 46.

Pine Tree Products Company: See—
Van, Billy B.

Pioneer Rubber Mills, San Francisco, Calif. Garden hose and fire hose. 416,661; Sept. 25; Serial No. 475,977; published July 17, 1945. Class 38.

Pioneer Soap Company, Inc., San Francisco, Calif. Soap flakes, granulated soap, soap powder, etc. 416,728; Sept. 25; Serial No. 480,875; published July 10, 1945. Class 4.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. House organ. 416,628; Sept. 25; Serial No. 471,360; published July 3, 1945. Class 38.

Plate, Robert T., doing business as Curly Lox Products, Detroit, Mich. Face powder, rouge and lipstick. 416,688; Sept. 25; Serial No. 478,898; published July 3, 1945. Class 6.

Plate, Robert T., doing business as Curly Lox Products, Detroit, Mich. Compacts. 416,689; Sept. 25; Serial No. 478,899; published July 17, 1945. Class 2.

Plymouth Rock Gelatine Co., to Plymouth Rock Gelatine Co., Boston, Mass. Phosphated preparation of gelatin. 45,573; re-renewed Aug. 22, 1945. O. G. Sept. 25. Class 46.

Plymouth Rock Gelatine Co., to Plymouth Rock Gelatine Co., Boston, Mass. Gelatin and compounds of gelatin. 45,574; re-renewed Aug. 22, 1945. O. G. Sept. 25. Class 46.

Polaray Company, New York, N. Y. Tumblers, soap dishes, soap boxes, etc. 416,680; Sept. 25; Serial No. 478,593; published July 17, 1945. Class 2.

Polaray Company, New York, N. Y. Thimbles, knitting needles, spindles, etc. 416,681; Sept. 25; Serial No. 478,595; published July 17, 1945. Class 40.

Pool, Walter Lawrence, Norfolk, Va. Blank collection books. 416,758; Sept. 25; Serial No. 481,800; published July 17, 1945. Class 37.

Price Flavoring Extract Company, Chicago, Ill. Flavoring concentrates. 416,739; Sept. 25; Serial No. 481,244; published July 17, 1945. Class 46.

Protective Packaging Corporation, Newark, N. J. Wrapping paper and paper wrappers. 416,748; Sept. 25; Serial No. 481,491; published July 17, 1945. Class 37.

Quaker Chemical Products Corporation, Conshohocken, Pa. Chemicals and oil. 416,639; Sept. 25; Serial No. 473,332; published July 17, 1945. Class 4.

RKO Television Corporation, Dover, Del., and New York, N. Y. Printed scripts. 416,640; Sept. 25; Serial No. 473,427; published July 3, 1945. Class 38.

Ray Industries, Inc.: See—
United Fuel & Supply Company.

Raytheon Manufacturing Company, Newton, Mass. Electromagnetically-operated fatigue testing machines and photographic articles, accessories and equipment. 416,778-9; Sept. 25; Serial Nos. 483,487-8; published July 17, 1945. Class 26.

Reddy Kilowatt: See—
Collins, Ashton B.

Reliance Manufacturing Company: See—
Gordon Shirt Company.

Renwal Mfg. Co. Inc., New York, N. Y. Toy furniture made of plastics. 416,772; Sept. 25; Serial No. 482,893; published July 17, 1945. Class 22.

Renwal Manufacturing Co., Inc., New York, N. Y. Plastic toy aeroplanes. 416,773; Sept. 25; Serial No. 482,894; published July 17, 1945. Class 22.

Rich, Ivor, New York, N. Y. Empty toilet cases and kits. 416,690; Sept. 25; Serial No. 478,902; published July 17, 1945. Class 3.

Rockland Dental Co., Inc., Sparkill, N. Y. Powder and liquid of methyl methacrylate. 416,752; Sept. 25; Serial No. 481,555; published July 17, 1945. Class 44.

Roos Company, The, New York, N. Y. Wood encased lead pencils. 416,716; Sept. 25; Serial No. 480,388; published July 17, 1945. Class 37.

Rosenbaum Company of Pittsburgh, Pittsburgh, Pa. Women's and children's playshoes, casual shoes, and slippers. 416,629; Sept. 25; Serial No. 471,488; published June 26, 1945. Class 39.

Rothschild, Lionel G., doing business as Lionel Gordon, Dallas, Tex. After-shaving lotion, hair dressing, deodorant, etc. 416,710; Sept. 25; Serial No. 480,192; published July 10, 1945. Class 6.

Rubicon, doing business as The Antique Shoppe, New York, N. Y. Lamps used to burn a deodorizing chemical. 416,670; Sept. 25; Serial No. 477,585; published July 17, 1945. Class 44.

Rubon Woodfinishing & Products Co., Kansas City, Mo. Dust cloths, dusters, dust mops, etc. 206,454; renewed Dec. 1, 1945. O. G. Sept. 25. Class 29.

Sardeau: See—
May, Jack.

Scheidt, Adam, Brewing Company, Norristown, Pa. Ale. 48,147; re-renewed Dec. 12, 1945. O. G. Sept. 25. Class 48.

Scheidt, Adam, Brewing Co., Norristown, Pa. Lager-beer. 48,148; re-renewed Dec. 12, 1945. O. G. Sept. 25. Class 48.

Schermerhorn Bros. Co., Chicago, Ill. Twine, rope, string and cordage. 205,918; renewed Nov. 17, 1945. O. G. Sept. 25. Class 7.

Schoble Hats, Inc., Philadelphia, Pa. Men's hats. 416,653; Sept. 25; Serial No. 475,304; published June 26, 1945. Class 39.

Schoble Hats, Philadelphia, Pa. Men's hats. 416,654; Sept. 25; Serial No. 475,306; published July 17, 1945. Class 39.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 416,785; Sept. 25; Serial No. 483,988; published July 17, 1945. Class 44.

Scranton Lace Company, The, Scranton, Pa. Curtains, curtain materials, and drapery fabrics. 416,802; Sept. 25. Class 42.

Selby Shoe Company, The: See—
Morse & Burt Co., Inc.

Servicised Products Company: See—
Fischer, Albert C.

Sfo-Pé, Providence, R. I. Pastries. 416,662; Sept. 25; Serial No. 476,082; published July 17, 1945. Class 46.

Shaff Laboratories, Brooklyn, N. Y. Rat poison. 416,732; Sept. 25; Serial No. 481,028; published July 10, 1945. Class 6.

Sharples Chemicals Inc., Philadelphia, Pa. Organic chemicals. 416,656; Sept. 25; Serial No. 475,376; published July 10, 1945. Class 8.

Shell Union Oil Corporation, San Francisco, Calif. Chemical antioxidant. 416,691; Sept. 25; Serial No. 478,906; published July 10, 1945. Class 6.

Shell Union Oil Corporation, San Francisco, Calif. Detergent preparation. 416,694; Sept. 25; Serial No. 479,052; published July 10, 1945. Class 4.

Shufeldt, Henry H., & Co., Inc.: See—
Crown Cordial & Extract Co.

Sleeper, Milton E., Great Barrington, Mass. Monthly magazine. 416,711; Sept. 25; Serial No. 480,198; published July 3, 1945. Class 38.

Sonneborn, L., Sons, Inc., New York, N. Y. Soft soap concentrate. 416,712; Sept. 25; Serial No. 480,207; published July 17, 1945. Class 4.

Sonneborn, L., Sons, Inc., New York, N. Y. Self buffing liquid aqueous wax emulsion. 416,713; Sept. 25; Serial No. 480,210; published July 10, 1945. Class 16.

Sonneborn, L., Sons, Inc., New York, N. Y. Detergent and wetting agent for textile processing. 416,714-15; Sept. 25; Serial Nos. 480,212-13; published July 17, 1945. Class 4.

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Southern Shell Fish Co., Inc.: See—
Foster, C. B. Packing Co., Inc.
Springs Cotton Mills, The: See—
Fort Mill Manufacturing Co.
Standard Dairy Company, The, Cambridge, Mass. Diaries.
205,896; renewed Nov. 17, 1945. O. G. Sept. 25. Class 37.
Stanley, John T., Co. Inc., New York, N. Y. Soap and shaving cream. 416,678; Sept. 25; Serial No. 478,523; published July 17, 1945. Class 4.
Starline Inc.: See—
Hunt, Helm, Ferris & Co.
Street & Smith Publications, Inc., New York, N. Y. Column in a periodical. 416,634; Sept. 25; Serial No. 472,160; published July 3, 1945. Class 38.
Strong Cobb & Co., to Strong, Cobb & Company, Inc., Cleveland, Ohio. Remedy for eczema and other forms of blood dyscrasia. 47,780; re-renewed Nov. 21, 1945. O. G. Sept. 25. Class 6.
Strong, Cobb & Company, Inc.: See—
Strong Cobb & Co.
Sumner's Ty. Phoo Tea Ltd., to Ty. Phoo Tea Limited, Birmingham, England. Tea. 200,960-1; renewed July 14, 1945. O. G. Sept. 25. Class 46.
Sun Shoe Manufacturing Company, Chicago, Ill. Men's and ladies' wallets, men's leather pocket secretaries and keycases. 416,697; Sept. 25; Serial No. 479,313; published July 17, 1945. Class 3.
Swift & Company, Chicago, Ill. Insecticide. 416,769; Sept. 25; Serial No. 482,598; published July 10, 1945. Class 6.
Synvar Corporation, Wilmington, Del. Raw solid and liquid synthetic resins. 416,644; Sept. 25; Serial No. 474,103; published July 17, 1945. Class 1.
Thompson, Charles F., Fresno, Calif. Ice cream and frozen desserts. 416,618; Sept. 25; Serial No. 469,138; published July 17, 1945. Class 46.
Thorobread Company, The, Cincinnati, Ohio. Dog food. 416,724; Sept. 25; Serial No. 460,806; published July 17, 1945. Class 46.
Timely Clothes, Inc., Rochester, N. Y. Men's and boys' suits, overcoats, topcoats, etc. 416,658; Sept. 25; Serial No. 475,706; published July 10, 1945. Class 39.
Toney, Charles W., Davenport, Iowa. Magazine of articles and photographs. 416,725; Sept. 25; Serial No. 480,807; published July 3, 1945. Class 38.
Traver Corporation, Chicago, Ill. Merchandise bags and merchandise envelopes. 416,669; Sept. 25; Serial No. 477,441; published July 17, 1945. Class 2.
Tru-Tek: See—
Oakes & Co.
Ty. Phoo Tea Limited: See—
Sumner's Ty. Phoo Tea Ltd.
Ulmann, Bernhard, Co. Inc., New York, N. Y. Art needle-work yarns. 416,735; Sept. 25; Serial No. 481,130; published July 10, 1945. Class 43.
Ulmer Pharmacal Company: See—
Physicians & Hospitals Supply Co., Inc.
United Fuel & Supply Company, to Ray Industries, Inc., Detroit, Mich. Charcoal. 200,766; renewed July 7, 1945. O. G. Sept. 25. Class 1.
United States Time Corporation, The: See—
Waterbury Clock Co.
Van, Billy B., Newport, to Pine Tree Products Company, Manchester, N. H. Toilet soap. 204,979; renewed Oct. 27, 1945. O. G. Sept. 25. Class 4.

Van Urk Foods: See—
Van Urk, J. Blan.
Van Urk, J. Blan, doing business as Van Urk Foods, New York, N. Y. Canned vegetables, canned fish and candy. 416,775; Sept. 25; Serial No. 483,012; published July 17, 1945. Class 46.
Victor Motors, Inc., St. Louis, Mo., to Marmon Motors Incorporated, Indianapolis, Ind. Motor trucks. 201,739; renewed Aug. 4, 1945. O. G. Sept. 25. Class 19.
Vitamin-Erg Co., Inc., New York, N. Y. Chocolate food supplement containing vitamins. 416,607; Sept. 25; Serial No. 463,111; published July 3, 1945. Class 6.
Walgreen Co., Chicago, Ill. Sun tan liquid. 416,611; Sept. 25; Serial No. 464,406; published Jan. 11, 1944. Class 6.
Ward Manufacturing Company, North Arlington, N. J. Spectacle frames. 416,770; Sept. 25; Serial No. 482,719; published July 17, 1945. Class 26.
Wasserman, Rene D., doing business as Eutectic Welding Alloys Company, New York, N. Y. Welding electrodes. 416,708; Sept. 25; Serial No. 480,034; published July 10, 1945. Class 14.
Waterbury Clock Co., to The United States Time Corporation, Waterbury, Conn. Clocks. 46,208; re-renewed Sept. 12, 1945. O. G. Sept. 25. Class 27.
Waterman, L. E., Company, New York, N. Y. Fountains. 48,230; re-renewed Dec. 19, 1945. O. G. Sept. 25. Class 37.
Waverly Petroleum Products Company, Philadelphia, Pa. Dry acid compound. 416,749; Sept. 25; Serial No. 481,504; published July 3, 1945. Class 6.
West, N. S., doing business as Mineralized Foods, Baltimore, Md. Laxatives. 416,616; Sept. 25; Serial No. 467,480; published July 10, 1945. Class 6.
Westergaard, B. & Company, Brooklyn, N. Y. Prepared foods. 206,992; renewed Dec. 15, 1945. O. G. Sept. 25. Class 46.
Western Auto Supply Company, Kansas City, Mo. High chairs, rocking chairs, hard-wood chairs, etc. 416,624; Sept. 25; Serial No. 469,920; published July 17, 1945. Class 32.
Western Shade Cloth Company, The, Chicago, Ill. Window shades and rollers. 416,604; Sept. 25; Serial No. 460,662; published July 17, 1945. Class 32.
White, Emanuel H., Chicago, Ill. Attachable and adjustable all-purpose type locks. 416,655; Sept. 25; Serial No. 475,311; published July 10, 1945. Class 25.
Wickwire Spencer Steel Company: See—
Clinton Wire Cloth Co.
Wilkins, John H., Company, Washington, D. C. Coffee. 207,055-7; renewed Dec. 15, 1945. O. G. Sept. 25. Class 46.
Winner Industries, Minneapolis, Minn. Shelves and hangers for doors. 416,692; Sept. 25; Serial No. 478,982; published July 17, 1945. Class 32.
Worth Pharmacal Company: See—
Parrish, Robert E.
Wrigley, Wm., Jr. Company: See—
Listered Gum Corporation.
Younghusband, James L., Chicago, Ill. Tampons. 416,651; Sept. 25; Serial No. 474,974; published July 17, 1945. Class 44.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Binder, Facing and core. W. C. Chedke. 416,622; Sept. 25; Serial No. 469,664; published July 17, 1945.
Bone-black. Michigan Carbon Works. 47,905; re-renewed Nov. 28, 1945. O. G. Sept. 25.
Charcoal. United Fuel & Supply Company. 200,766; renewed July 7, 1945. O. G. Sept. 25.
Coal. Castner, Curran & Bullitt. 45,016-17; re-renewed Aug. 1, 1945. O. G. Sept. 25.
Hops. E. Clements Horst Co. 206,305; renewed Nov. 24, 1945. O. G. Sept. 25.
Resins, Raw solid and liquid synthetic. Synvar Corporation. 416,644; Sept. 25; Serial No. 474,103; published July 17, 1945.
Seeds, Grass. Edgewood Farms, Inc. 416,751; Sept. 25; Serial No. 481,528; published July 17, 1945.

CLASS 2

Bags and merchandise envelopes, Merchandise. Traver Corporation. 416,669; Sept. 25; Serial No. 477,441; published July 17, 1945.
Boxes and salt and pepper shakers. Carvanite Products. 416,679; Sept. 25; Serial No. 478,532; published July 17, 1945.
Cases, compacts, and lipstick holders, Vanity. Les Parfums De Dana, Inc. 416,763; Sept. 25; Serial No. 482,165; published July 17, 1945.
Compacts. R. T. Plate. 416,689; Sept. 25; Serial No. 478,899; published July 17, 1945.

Metal structural shapes and sheets, Prefabricated. Lindsay & Lindsay. 416,612-14; Sept. 25; Serial Nos. 464,703-5; published July 17, 1945.
Tumblers, soap dishes, soap boxes, etc. Polaray Company. 416,680; Sept. 25; Serial No. 478,593; published July 17, 1945.

CLASS 3

Cases and kits, Empty toilet. I. Rich. 416,690; Sept. 25; Serial No. 478,902; published July 17, 1945.
Pocketbooks and billfolds. S. Blum. 416,780; Sept. 25; Serial No. 483,511; published July 17, 1945.
Purses. M. P. McWilliams. 416,774; Sept. 25; Serial No. 482,941; published July 17, 1945.
Purses, Change. Harold & Harold. 416,674; Sept. 25; Serial No. 478,388; published July 3, 1945.
Suitcases. Abel & Bach, Inc. 416,761; Sept. 25; Serial No. 481,874; published July 17, 1945.
Wallets, men's leather pocket secretaries and keycases, Men's and ladies'. Sun Shoe Manufacturing Company. 416,697; Sept. 25; Serial No. 479,313; published July 17, 1945.

CLASS 4

Chemicals and oils. Quaker Chemical Products Corporation. 416,639; Sept. 25; Serial No. 473,332; published July 17, 1945.
Compound, Cleaning. Diversey Corporation. 416,620; Sept. 25; Serial No. 469,385; published July 10, 1945.
Detergent and wetting agent for textile processing. L. Sonneborn Sons, Inc. 416,714-15; Sept. 25; Serial Nos. 480,212-13; published July 17, 1945.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Detergent for general industrial use. National Oil Products Company. 416,718; Sept. 25; Serial No. 480,469; published July 17, 1945.
Detergent preparation. F. E. Everson. 416,730; Sept. 25; Serial No. 480,981; published July 10, 1945.
Detergent preparation. Shell Union Oil Corporation. 416,694; Sept. 25; Serial No. 479,052; published July 10, 1945.
Flakes, granulated soap, soap powder, etc., Soap. Pioneer Soap Company, Inc. 416,728; Sept. 25; Serial No. 480,875; published July 10, 1945.
Oil-stain remover. Drake Corporation. 202,721; renewed Sept. 11, 1945. O. G. Sept. 25.
Soap. H. D. Day. 416,706; Sept. 25; Serial No. 480,011; published July 3, 1945.
Soap. Lanman & Kemp-Barclay & Co. Incorporated. 416,608; Sept. 25; Serial No. 463,207; published July 17, 1945.
Soap and shaving cream. John T. Stanley Co. Inc. 416,678; Sept. 25; Serial No. 478,523; published July 17, 1945.
Soap concentrate, Soft. L. Sonneborn Sons, Inc. 416,712; Sept. 25; Serial No. 480,207; published July 17, 1945.
Soap, Toilet. B. B. Van. 204,979; renewed Oct. 27, 1945. O. G. Sept. 25.

CLASS 5

Cements, Adhesive. O'Sullivan Rubber Company, Inc. 416,619; Sept. 25; Serial No. 469,236; published July 17, 1945.
Glue. Cudahy Brothers Company. 47,847; re-renewed Nov. 21, 1945. O. G. Sept. 25.

CLASS 6

Acid compound, Dry. Waverly Petroleum Products Company. 416,749; Sept. 25; Serial No. 481,504; published July 3, 1945.
Anaesthetics, Local. S. A. Herman. 416,700; Sept. 25.
Antiseptic and soothing preparation. E. C. De Witt & Co. Inc. 206,665; renewed Dec. 8, 1945. O. G. Sept. 25.
Antiseptic, astringent, and deodorizing solutions. E. B. Douglas. 199,843; renewed June 16, 1945. O. G. Sept. 25.
Base, Make-up. Miner's, Inc. 416,621; Sept. 25; Serial No. 469,439; published July 3, 1945.
Bleach, Liquid. Licco Packing Co., Inc. 416,698; Sept. 25; Serial No. 479,391; published July 3, 1945.
Bluing. Luther Ford & Company. 206,610-11; renewed Dec. 8, 1945. O. G. Sept. 25.
Chemical antioxidant. Shell Union Oil Corporation. 416,691; Sept. 25; Serial No. 478,906; published July 10, 1945.
Chemical materials. Mine Safety Appliances Company. 204,300; renewed Oct. 13, 1945. O. G. Sept. 25.
Chemical materials. Mine Safety Appliances Company. 205,520; renewed Nov. 10, 1945. O. G. Sept. 25.
Concentrates, a mixture of primary, secondary and tertiary alcohols, ketones, and lactones. Caspar Lubricants, Incorporated. 416,649; Sept. 25; Serial No. 474,847; published July 10, 1945.
Dietary supplement. Happy Day Company, Inc. 416,677; Sept. 25; Serial No. 478,511; published July 10, 1945.
Disinfectants. H. W. Jayne Chemical Co. 27,325; re-renewed Nov. 26, 1945. O. G. Sept. 25.
Eczema and other forms of blood dyscrasia. Strong Cobb & Co. 47,780; re-renewed Nov. 21, 1945. O. G. Sept. 25.
Elixirs, tonics, adsorbates, etc. Galen Company. 416,736; Sept. 25; Serial No. 481,139; published July 10, 1945.
Eye pads, eye salve, eye drops, etc., Medicated. Interstate Laboratories, Inc. 416,755; Sept. 25; Serial No. 481,832; published July 10, 1945.
Food supplement containing vitamins, Chocolate. Vitamin-Erg Co., Inc. 416,607; Sept. 25; Serial No. 463,111; published July 3, 1945.
Insect repellent. George W. Button Co. 416,789; Sept. 25.
Insecticidal composition. Niagara Sprayer and Chemical Co., Inc. 416,757; Sept. 25; Serial No. 481,797; published July 10, 1945.
Insecticide. Swift & Company. 416,769; Sept. 25; Serial No. 482,598; published July 10, 1945.
Laxatives. N. S. West. 416,616; Sept. 25; Serial No. 467,480; published July 10, 1945.
Lotion, hair dressing, deodorant, etc., After-shaving. L. G. Rothschild. 416,710; Sept. 25; Serial No. 480,192; published July 10, 1945.
Medical preparation. Physicians & Hospitals Supply Co., Inc. 418,606; Sept. 25; Serial No. 462,592; published Jan. 4, 1944.
Medicinal compound. Philadelphia Capsule Co., Inc. 416,696; Sept. 25; Serial No. 479,301; published July 10, 1945.
Medicinal compound. Philadelphia Capsule Co., Inc. 416,722; Sept. 25; Serial No. 480,619; published July 10, 1945.
Medicine, Sedative. P. H. D. Laboratory, Inc. 416,740; Sept. 25; Serial No. 481,290; published July 3, 1945.
Medicines and pharmaceutical preparations. C. G. Maywood. 199,655; renewed June 16, 1945. O. G. Sept. 25.

Mixtures of oxygen and carbon dioxide for treating asphyxia from carbon monoxide, etc. Mine Safety Appliances Company. 205,521; renewed Nov. 10, 1945. O. G. Sept. 25.

Ointment, Antiseptic healing and soothing. Lambros & Sons. 200,348; renewed June 30, 1945. O. G. Sept. 25.
Organic chemicals. Sharples Chemicals Inc. 416,656; Sept. 25; Serial No. 475,376; published July 10, 1945.
Perfume. Castilian Products Corporation. 416,754; Sept. 25; Serial No. 481,612; published July 10, 1945.
Perfume, lipsticks, rouge, face powder, etc. J. May. 416,762; Sept. 25; Serial No. 482,064; published July 3, 1945.

Perfumes, toilet waters and cosmetic creams. Lenthalic, Incorporated. 416,760; Sept. 25; Serial No. 481,850; published July 10, 1945.

Permanent waving solutions and hair drying solutions. Eugene, Ltd. 416,700; Sept. 25; Serial No. 479,561; published July 3, 1945.

Poison, Rat. Shaft Laboratories. 416,732; Sept. 25; Serial No. 481,028; published July 10, 1945.

Pomades, Scalp and hair dressing. F. B. Mike. 416,795; Sept. 25.

Powder, dusting powder, toilet water, etc., Face. Coty, Inc. 416,746; Sept. 25; Serial No. 481,467; published July 10, 1945.

Powder, Face. Lenthalic, Incorporated. 416,753; Sept. 25; Serial No. 481,582; published July 10, 1945.

Powders, perfumes, toilet waters, etc., Face. Parfums Schiaparelli, Inc. 416,646; Sept. 25; Serial No. 474,460; published July 10, 1945.

Powder, rouge and lipstick, Face. R. T. Plate. 416,688; Sept. 25; Serial No. 478,598; published July 3, 1945.

Preparation for the treatment of bovine keratitis (pink eye) among cattle and other livestock. R. E. Parrish. 416,764; Sept. 25; Serial No. 482,256; published July 10, 1945.

Replenisher for developer for X-ray film. Picker X-Ray Corporation. 416,742; Sept. 25; Serial No. 481,380; published July 3, 1945.

Solution for treatment of athlete's foot, ring worm, etc. American Druggists Syndicate, Inc. 416,766; Sept. 25; Serial No. 482,410; published July 3, 1945.

Solutions, suspensions, and emulsions. Monsanto Chemical Company. 416,683; Sept. 25; Serial No. 478,718; published July 3, 1945.

Sun Tan Liquid. Walgreen Co. 416,611; Sept. 25; Serial No. 464,406; published Jan. 11, 1944.

Syrup prepared for medicinal purposes, Blackcurrant. H. W. Carter & Co. Limited. 416,684; Sept. 25; Serial No. 478,782; published July 3, 1945.

Vitamin D Concentrate. Nutrition Research Laboratories. 416,745; Sept. 25; Serial No. 481,421; published July 3, 1945.

Waters, eau de cologne and perfumes, Toilet. H. H. Masie. 416,652; Sept. 25; Serial No. 475,212; published June 26, 1945.

Welding compound, Chemical. Cortland Welding Compound Company. 45,476; re-renewed Oct. 2, 1945. O. G. Sept. 25.

Welding compounds. Cortland Welding Compound Company. 45,443; re-renewed Aug. 22, 1945. O. G. Sept. 25.

Worm-pellet. W. H. Comstock Company Limited. 47,963; re-renewed Nov. 28, 1945. O. G. Sept. 25.

CLASS 7

Twine, rope, string, and cordage. Schermerhorn Bros. Co. 205,918; renewed Nov. 17, 1945. O. G. Sept. 25.

CLASS 8

Pipes, pipe cases, tobacco pouches, etc. Lane Tobacco, Ltd. 416,630; Sept. 25; Serial No. 471,528; published July 17, 1945.

CLASS 9

Firearms. Colt's Patent Fire Arms Manufacturing Company. 416,686-7; Sept. 25; Serial Nos. 478,859-60; published July 10, 1945.

Rifles, shotguns, target pistols, and ammunition for the same. Oakes & Co. 416,720; Sept. 25; Serial No. 480,607; published June 19, 1945.

CLASS 11

Carbon paper and typewriter ribbon. Phillips Ribbon & Carbon Co., Inc. 206,919-20; renewed Dec. 15, 1945. O. G. Sept. 25.

Driers, Ink. Nuodex Products Co., Inc. 416,734; Sept. 25; Serial No. 481,119; published July 17, 1945.

Ink, Writing. Parker Pen Company. 416,642-3; Sept. 25; Serial Nos. 474,090-1; published July 17, 1945.

Inks, Printing and lithographing. Charles Eneu Johnson and Company. 206,938; renewed Dec. 15, 1945. O. G. Sept. 25.

Paper and typewriter ribbons, Carbon. Agency Paper Company. 416,685; Sept. 25; Serial No. 478,796; published July 10, 1945.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 12

Brick. Acme Brick Company. 200,057; renewed June 23, 1945. O. G. Sept. 25.
Roofing. Ready tar and felt. Barrett Manufacturing Company. 48,117; re-renewed Dec. 12, 1945. O. G. Sept. 25.
Shingles. Mineral-surfaced flexible roofing. Flintkote Company. 204,309; renewed Oct. 13, 1945. O. G. Sept. 25.
Tiles. Barrett Manufacturing Company. 47,818; re-renewed Nov. 21, 1945. O. G. Sept. 25.
Windows, doors, blinds, etc. Morgan Sash & Door Company. 206,783; renewed Dec. 8, 1945. O. G. Sept. 25.

CLASS 13

Apparatus for cleaning goggles. H. L. Hagen. 416,792; Sept. 25.
Bells, Church and school. C. S. Bell Co. 48,114; re-renewed Dec. 12, 1945. O. G. Sept. 25.
Horse-nails. Campbell Horse Nail Company. 48,113; re-renewed Dec. 12, 1945. O. G. Sept. 25.
Wire-cloth. Clinton Wire Cloth Co. 46,018; re-renewed Sept. 5, 1945. O. G. Sept. 25.

CLASS 14

Electrodes, Welding. R. D. Wasserman. 416,708; Sept. 25; Serial No. 480,034; published July 10, 1945.
Galvanized sheets. Keystone Steel & Wire Company. 206,250; renewed Nov. 24, 1945. O. G. Sept. 25.
Galvanized sheets. Keystone Steel & Wire Company. 206,253; renewed Nov. 24, 1945. O. G. Sept. 25.
Plates and sheets, Ferrous. Follansbee Brothers Company. 203,696; renewed Sept. 22, 1945. O. G. Sept. 25.
Plates and sheets, Ferrous. Follansbee Brothers Company. 204,487; renewed Oct. 20, 1945. O. G. Sept. 25.
Rods, Welding. Fansteel Metallurgical Corporation. 416,726; Sept. 25; Serial No. 480,818; published July 10, 1945.

CLASS 15

Gasoline, illuminating oils, lubricating oils and greases, etc. American Oil Company. 206,898; renewed Dec. 15, 1945. O. G. Sept. 25.

CLASS 16

Coating, Pigmented liquid. American Varnish Company. 416,797; Sept. 25.
Enamel, Industrial finish paint. A. C. Horn Company. 416,693; Sept. 25; Serial No. 479,038; published July 10, 1945.
Finish, Liquid, hard drying. C-Z Chemical Company. 416,703; Sept. 25; Serial No. 479,774; published July 10, 1945.
Paint, Corrosion resistant. Cordo Chemical Corporation. 416,705; Sept. 25; Serial No. 479,967; published July 10, 1945.
Varnishes, paint enamels, stains, etc. Great Lakes Varnish Works, Inc. 207,014; renewed Dec. 15, 1945. O. G. Sept. 25.
Water-paint or calcimine. M. Ewing Fox & Co. 44,624; re-renewed July 18, 1945. O. G. Sept. 25.
Wax emulsion, Self buffing liquid aqueous. L. Sonneborn Sons, Inc. 416,713; Sept. 25; Serial No. 480,210; published July 10, 1945.

CLASS 17

Cigars. William Boucher & Sons. 206,033; renewed Nov. 24, 1945. O. G. Sept. 25.
Cigars. William Boucher & Sons. 206,035; renewed Nov. 24, 1945. O. G. Sept. 25.

CLASS 18

Trucks, Motor. Victor Motors, Inc. 201,739; renewed Aug. 4, 1945. O. G. Sept. 25.

CLASS 20

Floor covering, linoleum, oiled cloth wall covering, etc. Composition. Oakes & Co. 416,721; Sept. 25; Serial No. 480,613; published June 19, 1945.

CLASS 21

Drills and parts thereof, portable electric valve grinders, etc., Portable electric. Black & Decker Manufacturing Company. 205,575-8; renewed Nov. 10, 1945. O. G. Sept. 25.
Electrical resistors and electrical condensers. Erie Resistor Corporation. 416,719; Sept. 25; Serial No. 480,568; published July 17, 1945.
Engine-electric generator units and electric lighting plants, Internal combustion. Climax Engineering Company. 416,609; Sept. 25; Serial No. 463,834; published July 17, 1945.
Radio-panels, switchboard panels, and insulated composition boards, etc. Cornell Wood Products Company. 200,251; renewed June 30, 1945. O. G. Sept. 25.

Torches, Electric welding. Linde Air Products Company. 416,610; Sept. 25; Serial No. 464,053; published July 17, 1945.
Wires and cables, wiring assemblies, radio apparatus, etc., Electrical. Packard Electric Company. 207,011; re-renewed Dec. 15, 1945. O. G. Sept. 25.

CLASS 22

Dolls. L. L. Hendon. 416,645; Sept. 25; Serial No. 474,411; published July 17, 1945.
Dolls and toy animals, Cloth covered stuffed. Bantam-U. S. Toys, Inc. 416,756; Sept. 25; Serial No. 481,732; published July 17, 1945.
Letters, Plug-in. Howard Sales Company. 416,676; Sept. 25; Serial No. 478,455; published July 17, 1945.
Scooters (or skooters), wheeled vehicles somewhat similar to wheeled sleds, etc. Hunt, Helm, Ferris & Co. 203,681; renewed Sept. 22, 1945. O. G. Sept. 25.
Toy aeroplanes, Plastic. Renwal Manufacturing Co., Inc. 416,773; Sept. 25; Serial No. 482,894; published July 17, 1945.
Toy furniture made of plastics. Renwal Mfg. Co. Inc. 416,772; Sept. 25; Serial No. 482,893; published July 17, 1945.

CLASS 23

Linings for the shell of a teat cup assembly, Inflations or flexible. Babson Bros. Co. 416,682; Sept. 25; Serial No. 478,675; published July 17, 1945.
Razor blades, Club Razor & Blade Manufacturing Corporation. 416,767; Sept. 25; Serial No. 482,415; published July 17, 1945.
Razors, Safety. Gem Safety Razor Corporation. 204,041; renewed Oct. 6, 1945. O. G. Sept. 25.
Staffs, floor scrapers, litter carriers, etc. Bull. Hunt, Helm, Ferris & Co. 200,639; renewed July 7, 1945. O. G. Sept. 25.
Tractors and silo fillers. Fox River Tractor Co. 206,815; renewed Dec. 8, 1945. O. G. Sept. 25.

CLASS 25

Locking devices, Theft-prevention. Richard M. Decker Company. 199,930; renewed June 23, 1945. O. G. Sept. 25.
Locks, Attachable and adjustable all-purpose type. E. H. White. 416,655; Sept. 25; Serial No. 475,311; published July 10, 1945.
Padlocks. Master Lock Company. 416,623; Sept. 25; Serial No. 469,778; published June 26, 1945.

CLASS 26

Ammeters for automobiles. Northern Engraving Company. 200,910; renewed July 14, 1945. O. G. Sept. 25.
Electro-mechanical device for measuring surface roughness. Brush Development Company. 416,801; Sept. 25.
Electronic instruments and apparatus. Electro Products Labs. 416,794; Sept. 25.
Films, Motion-picture. Metro-Goldwyn Distributing Corporation. 206,370; renewed Dec. 1, 1945. O. G. Sept. 25.
Gauges, wire gauges, comparators, etc., Lens. Federal Products Corporation. 206,808; renewed Dec. 8, 1945. O. G. Sept. 25.
Lens adapters, darkroom aprons, cameras, etc. Garlick Films, Ltd. 416,636-7; Sept. 25; Serial Nos. 472,808-9; published July 17, 1945.
Motion pictures. National-Simplex-Bludworth, Inc. 416,777; Sept. 25; Serial No. 483,188; published July 17, 1945.
Spectacle frames. Ward Manufacturing Company. 416,770; Sept. 25; Serial No. 482,719; published July 17, 1945.
Testing machines and photographic articles, accessories and equipment. Electromagnetically-operated fatigue. Raytheon Manufacturing Company. 416,778-9; Sept. 25; Serial Nos. 483,487-8; published July 17, 1945.

CLASS 27

Clocks. Waterbury Clock Co. 46,208; re-renewed Sept. 12, 1945. O. G. Sept. 25.
Watches. Elgin National Watch Co. 47,470; re-renewed Nov. 7, 1945. O. G. Sept. 25.
Watches. Friedmans' Jewelers, Inc. 416,796; Sept. 25.
Watches, clocks and parts thereof. Harman Watch Co. 216,786; Sept. 25.

CLASS 28

Badges, lapel buttons, cuff links, etc. Recognition. Gamma Iota Alpha. 416,737; Sept. 25; Serial No. 481,140; published July 17, 1945.
Jewelry, Costume. C. Feinberg. 416,791; Sept. 25.
Necklaces, bracelets, rings, etc. Coro, Inc. 416,702; Sept. 25; Serial No. 479,665; published July 17, 1945.
Silver-plated hollow ware. Farber Brothers. 205,093; renewed Nov. 3, 1945. O. G. Sept. 25.
Watch bracelets and bracelets, Wrist. Gemex Company. 416,632; Sept. 25; Serial No. 471,975; published July 17, 1945.

CLASS 29

Dust cloths, dusters, dust mops, etc. Rubon Woodfinish- ing & Products Co. 206,454; renewed Dec. 1, 1945. O. G. Sept. 25.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 31

Refrigerators, Electrical. Diceler Corporation. 416,626; Sept. 25; Serial No. 470,019; published July 17, 1945.
Water cooling apparatus. Ebco Manufacturing Company. 416,771; Sept. 25; Serial No. 482,736; published July 17, 1945.

CLASS 32

Board composed of a semi-plastic cellulosic material, Rectangularly-shaped. Kursh Paper Company. 416,709; Sept. 25; Serial No. 480,114; published July 17, 1945.
Chairs, rocking chairs, hardwood chairs, etc., High. Western Auto Supply Company. 416,624; Sept. 25; Serial No. 469,920; published July 17, 1945.
Fabric formed of woven splints, strips, or slats, etc., for shades, etc. Hough Shade Corporation. 48,088; re-renewed Dec. 12, 1945. O. G. Sept. 25.
Furniture, Household. Leonardo Co. Inc. 204,924; re-renewed Oct. 27, 1945. O. G. Sept. 25.
Shades and rollers, Window. Western Shade Cloth Company. 416,604; Sept. 25; Serial No. 460,662; published July 17, 1945.
Shelves and hangers for doors. Winner Industries. 416,692; Sept. 25; Serial No. 478,982; published July 17, 1945.

CLASS 34

Cooking equipment in the nature of field kitchens. E. C. Finner. 416,747; Sept. 25; Serial No. 481,473; published July 17, 1945.
Lighters, Pyrophoric cigar and cigarette. H. Negbauer & Co. 416,768; Sept. 25; Serial No. 482,435; published July 10, 1945.
Parts for fuel stokers. Hanna Stoker Company. 416,723; Sept. 25; Serial No. 480,701; published July 17, 1945.
Stokers, Automatic coal. Fairbanks, Morse & Co. 416,615; Sept. 25; Serial No. 465,254; published July 10, 1945.

CLASS 35

Cotton fibre for machinery packing. Callaway Mills. 416,647; Sept. 25; Serial No. 474,576; published July 17, 1945.
Hose and fire hose, Garden. Pioneer Rubber Mills. 416,661; Sept. 25; Serial No. 475,977; published July 17, 1945.
Tires and tubes for vehicle wheels, Pneumatic. Pharis Tire and Rubber Company. 416,781; Sept. 25; Serial No. 483,698; published July 17, 1945.
Tires, Pneumatic. B. F. Goodrich Company. 416,765; Sept. 25; Serial No. 482,324; published July 17, 1945.

CLASS 36

Harmonicas. International Plastic Harmonica Corporation. 416,776; Sept. 25; Serial No. 483,022; published July 17, 1945.
Pianos. Ellington Piano Company. 46,574. re-renewed Sept. 26, 1945. O. G. Sept. 25.

CLASS 37

Book paper, Enameled. Martin Cantine Company. 416,635; Sept. 25; Serial No. 472,249; published July 17, 1945.
Books, Blank collection. W. L. Pool. 416,758; Sept. 25; Serial No. 481,800; published July 17, 1945.
Diaries. Standard Diary Company. 205,896; renewed Nov. 17, 1945. O. G. Sept. 25.
Fountain-pens. L. E. Waterman Company. 48,230; re-renewed Dec. 19, 1945. O. G. Sept. 25.
Paper and envelope, Writing. Eaton Paper Corporation. 416,750; Sept. 25; Serial No. 481,527; published July 17, 1945.
Paper and paper wrappers, Wrapping. Protective Packaging Corporation. 416,748; Sept. 25; Serial No. 481,491; published July 17, 1945.
Paper, paper towels, paper napkins, etc., Toilet. Fort Howard Paper Company. 206,994; renewed Dec. 15, 1945. O. G. Sept. 25.
Pencils, Wood encased lead. Roos Company. 416,716; Sept. 25; Serial No. 480,388; published July 17, 1945.
Stapling machines, staples, and parts and accessories for such articles. Compo Corporation. 187,325; renewed July 29, 1944. O. G. Sept. 25.

CLASS 38

Cartoon, Newspaper. Hearst Corporation. 416,667; Sept. 25; Serial No. 477,230; published July 3, 1945.
Cartoons and comic strips. A. B. Collins. 416,717; Sept. 25; Serial No. 480,406; published July 3, 1945.
Charts, tables and drawings sold as such. Printed technical. Berker-Young Company. 416,641; Sept. 25; Serial No. 473,557; published July 3, 1945.
Column in a periodical. Street & Smith Publications, Inc. 416,634; Sept. 25; Serial No. 472,160; published July 3, 1945.
Magazine, Monthly. M. B. Sleeper. 416,711; Sept. 25; Serial No. 480,198; published July 3, 1945.
Magazine of articles and photographs. C. W. Toney. 416,725; Sept. 25; Serial No. 480,807; published July 3, 1945.

Magazines. M. Paolozzi. 416,648; Sept. 25; Serial No. 474,635; published July 3, 1945.
Newspaper, Daily. Derrick Publishing Company. 416,663-4; Sept. 25; Serial Nos. 476,150-1; published July 3, 1945.
Newspaper feature, Comic. Consolidated News Features, Inc. 416,672; Sept. 25; Serial No. 477,733; published July 17, 1945.
Newspaper, Weekly. Derrick Publishing Company. 416,665; Sept. 25; Serial No. 476,152; published July 3, 1945.
Organ. House. Pittsburgh Plate Glass Company. 416,628; Sept. 25; Serial No. 471,360; published July 3, 1945.
Pamphlets or catalogs. National Glass Distributors Association. 416,605; Sept. 25; Serial No. 461,803; published July 3, 1945.
Periodical published quarterly. International Telephone and Telegraph Corporation. 204,897; renewed Oct. 27, 1945. O. G. Sept. 25.
Periodicals and magazines. International Telephone and Telegraph Corporation. 204,896; renewed Oct. 27, 1945. O. G. Sept. 25.
Prints of mechanical drawings, architect's plans and like designs. Graphic Arts Corporation of Ohio. 416,617; Sept. 25; Serial No. 467,885; published July 3, 1945.
Publications or booklets. Drug Products Co. Inc. 200,524; renewed July 7, 1945. O. G. Sept. 25.
Scripts, Printed. RKO Television Corporation. 416,640; Sept. 25; Serial No. 473,427; published July 3, 1945.

CLASS 39

Bathing suits, bathing caps, hosiery, etc. A. C. Fischer. 416,603; Sept. 25; Serial No. 459,926; published June 26, 1945.
Coats, fur hats, fur scarfs, etc., Ladies' and misses' fur. S. Passin. 416,799; Sept. 25.
Dresses, Misses'. Calbert Dress Co. 416,741; Sept. 25; Serial No. 481,351; published July 10, 1945.
Foundation garments, Ladies. El-Ee's Foundations. 416,699; Sept. 25; Serial No. 479,556; published June 26, 1945.
Hairnets. Byard Manufacturing Company, Limited. 416,631; Sept. 25; Serial No. 471,922; published July 10, 1945.
Hats, caps, suits, etc., and women's blouses, sport shirts, coats and suits, Men's. Wm. Filene's Sons Company. 416,633; Sept. 25; Serial No. 472,052; published June 26, 1945.
Hats, Men's. Miller Bros. Hat Co. Inc. 416,733; Sept. 25; Serial No. 481,117; published July 17, 1945.
Hats, Men's. Schoble Hats, Inc. 416,653; Sept. 25; Serial No. 475,304; published June 26, 1945.
Hats, Men's. Schoble Hats. 416,654; Sept. 25; Serial No. 475,306; published July 17, 1945.
Heels and soles, Rubber. O'Sullivan Rubber Company, Inc. 416,625; Sept. 25; Serial No. 469,938; published July 17, 1945.
Heels, Rubber. Morse & Burt Co., Inc. 203,395; renewed Sept. 15, 1945. O. G. Sept. 25.
Mufflers, Ladies' and gentlemen's. Cisco, Inc. 201,522; renewed July 28, 1945. O. G. Sept. 25.
Playshoes, casual shoes and slippers, Women's and children's. Rosenbaum Company of Pittsburgh. 416,629; Sept. 25; Serial No. 471,488; published June 26, 1945.
Shirts, Men's dress. Mylish, Mann & Drucker. 206,707; renewed Dec. 8, 1945. O. G. Sept. 25.
Shirts, Sport. New Era Shirt Company. 205,722; renewed Nov. 17, 1945. O. G. Sept. 25.
Shirts, Work. Gordon Shirt Company. 199,897; renewed June 23, 1945. O. G. Sept. 25.
Shoes and slippers. H. Chaves. 416,675; Sept. 25; Serial No. 478,448; published June 26, 1945.
Shoes, Ladies' and misses'. Gregory & Read Co. 416,744; Sept. 25; Serial No. 481,410; published July 3, 1945.
Shoes, Men's and boys' leather and fabric. Hamilton, Brown Shoe Company. 205,653; renewed Nov. 10, 1945. O. G. Sept. 25.
Slippers. Holiday Casuals. 416,727; Sept. 25; Serial No. 480,824; published June 26, 1945.
Suits, overcoats, topcoats, etc., Men's and boys'. Timely Clothes, Inc. 416,658; Sept. 25; Serial No. 475,706; published July 10, 1945.
Wearing apparel, Articles of. Manhattan Shirt Company. 416,729; Sept. 25; Serial No. 480,919; published July 3, 1945.

CLASS 40

Combs. John Hudson Moore, Inc. 416,701; Sept. 25; Serial No. 479,637; published July 10, 1945.
Hair bows. A. Edward Funke & Company. 416,650; Sept. 25; Serial No. 474,951; published July 17, 1945.
Spindles for holding balls of crocheting, tatting, etc. V. F. Graham, Sr. 416,660; Sept. 25; Serial No. 475,847; published July 10, 1945.
Thimbles, knitting needles, spindles, etc. Polaray Company. 416,681; Sept. 25; Serial No. 478,595; published July 17, 1945.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 42

Blankets, Cotton. Houston Textile Mills. 203,763; re-newed Sept. 22, 1945. O. G. Sept. 25.
Cotton piece goods, Bleached. B. B. & R. Knight, Inc. 200,757; renewed July 7, 1945. O. G. Sept. 25.
Curtains, curtain materials, and drapery fabrics. Scranton Lace Company. 416,802; Sept. 25.
Fabrics in the piece, Textile. Dunn Woolen Company. 416,671; Sept. 25; Serial No. 477,687; published July 10, 1945.
Netting used for lowering objects, Tubular. De-Tex Company, Inc. 416,638; Sept. 25; Serial No. 472,890; published July 10, 1945.
Piece goods. John Crowther & Sons (Milnsbridge) Limited. 416,666; Sept. 25; Serial No. 476,756; published July 3, 1945.
Rayon piece goods, and rayon and cotton piece goods. Goldenbro Fabrics, Inc. 416,707; Sept. 25; Serial No. 480,019; published July 10, 1945.
Sheets and pillowcases, Textile. Fort Mill Manufacturing Co. 207,049; renewed Dec. 15, 1945. O. G. Sept. 25.
Woolen cloths. Forstmann & Huffmann Company. 45,865; re-renewed Aug. 29, 1945. O. G. Sept. 25.
Woolen piece goods. Forstmann & Huffmann Company. 200,555; renewed July 7, 1945. O. G. Sept. 25.
Woolen piece goods. Forstmann & Huffmann Company. 200,705; renewed July 7, 1945. O. G. Sept. 25.
Woolen piece goods. Forstmann & Huffmann Company. 200,709-10; renewed July 7, 1945. O. G. Sept. 25.
Woolen piece goods. Forstmann & Huffmann Company. 201,427; renewed July 28, 1945. O. G. Sept. 25.
Woolen piece goods. Forstmann & Huffmann Company. 201,464-5; renewed July 28, 1945. O. G. Sept. 25.
Woolen piece goods. Forstmann & Huffmann Company. 201,467; renewed July 28, 1945. O. G. Sept. 25.
Woolen piece goods. Forstmann & Huffmann Company. 201,469; renewed July 28, 1945. O. G. Sept. 25.
Woolen piece goods. Forstmann & Huffmann Company. 201,496-9; renewed July 28, 1945. O. G. Sept. 25.
Woolen piece goods. Forstmann & Huffmann Company. 201,501; renewed July 28, 1945. O. G. Sept. 25.

CLASS 43

Yarns, Art needlework. Bernhard Ulmann Co. Inc. 416,735; Sept. 25; Serial No. 481,130; published July 10, 1945.

CLASS 44

Apparatus for applying the rays of radio-active material. Canadian Radium & Uranium Corporation. 416,659; Sept. 25; Serial No. 475,749; published July 17, 1945.
Arch supports. Scholl Mfg. Co., Inc. 416,785; Sept. 25; Serial No. 483,988; published July 17, 1945.
Bandages, tourniquets, air purifying apparatus, etc. Mine Safety Appliances Company. 204,301; renewed Oct. 13, 1945. O. G. Sept. 25.
Cement, Temporary dental. Cleveland Dental Manufacturing Company. 416,731; Sept. 25; Serial No. 481,012; published July 17, 1945.
Dental instruments. E. G. Husband. 416,657; Sept. 25; Serial No. 475,696; published July 17, 1945.
Heating apparatus for therapeutic uses, Diathermy. Rex Cole, Inc. 416,782; Sept. 25; Serial No. 483,715; published July 17, 1945.
Lamps, Therapeutic. Airadio, Incorporated. 416,783; Sept. 25; Serial No. 483,752; published July 17, 1945.
Lamps used to burn a deodorizing chemical. Rubicon. 416,670; Sept. 25; Serial No. 477,585; published July 17, 1945.
Methyl methacrylate, Powder and liquid of. Rockland Dental Co., Inc. 416,752; Sept. 25; Serial No. 481,555; published July 17, 1945.
Tampons. J. L. Younghusband. 416,651; Sept. 25; Serial No. 474,974; published July 17, 1945.
Teeth, Artificial. H. D. Justi & Son, Inc. 416,759; Sept. 25; Serial No. 481,849; published July 17, 1945.
Wax composition. A. Aufhauser. 416,784; Sept. 25; Serial No. 483,757; published July 17, 1945.

CLASS 45

Beverage and sirup for making the same, Maltless, non-cereal. Northwestern Extract Co. 206,940; renewed Dec. 15, 1945. O. G. Sept. 25.

CLASS 46

Bird-foods. Brookman Manufacturing Company. 47,945; re-renewed Nov. 28, 1945. O. G. Sept. 25.
Biscuits. R. Maurice & Co., Limited. 206,841; renewed Dec. 8, 1945. O. G. Sept. 25.
Bread and other baker's products. H-O (Hornsby's Oatmeal) Company. 27,212; re-renewed Nov. 12, 1945. O. G. Sept. 25.
Candy. F. Dalo, Sr. 416,695; Sept. 25; Serial No. 479,113; published July 17, 1945.
Candy. Robert A. Johnston Company. 416,704; Sept. 25; Serial No. 479,941; published July 17, 1945.

Canned shrimp and canned oysters. C. B. Foster Packing Co., Inc. 196,087; renewed Mar. 10, 1945. O. G. Sept. 25.
Canned vegetables. Hanover Canning Company. 206,598; renewed Dec. 8, 1945. O. G. Sept. 25.
Canned vegetables, canned fish and candy. J. Blan Van Urk. 416,775; Sept. 25; Serial No. 483,012; published July 17, 1945.
Chewing-gum. Frank H. Fleer and Company. 48,005; re-renewed Dec. 5, 1945. O. G. Sept. 25.
Coffee. Piggly Wiggly Northwest, Inc. 416,788; Sept. 25.
Coffee. John H. Wilkins Company. 207,055-7; renewed Dec. 15, 1945. O. G. Sept. 25.
Concentrates, Flavoring. Price Flavoring Extract Company. 416,739; Sept. 25; Serial No. 481,244; published July 17, 1945.
Dog food. Thorobread Company. 416,724; Sept. 25; Serial No. 480,806; published July 17, 1945.
Feed, Mixture of stock. Midwest Mineral Company. 416,627; Sept. 25; Serial No. 470,458; published July 17, 1945.
Feeds, Poultry. Hilltop Farm Feed Company. 416,673; Sept. 25; Serial No. 478,325; published July 17, 1945.
Flour, Self-rising wheat. Dan Valley Mills. 206,970; renewed Dec. 15, 1945. O. G. Sept. 25.
Food, Prepared. Eustace Miles Foods (1921) Limited. 192,718; renewed Dec. 9, 1944. O. G. Sept. 25.
Foods, Prepared. B. Westergaard & Company. 206,992; renewed Dec. 15, 1945. O. G. Sept. 25.
Fowl foods, Frozen. Jerpe Commission Company, Inc. 416,793; Sept. 25.
Fruit preparations and extracts for flavoring. Crown Cordial & Extract Co. 47,300; re-renewed Oct. 31, 1945. O. G. Sept. 25.
Fruits and vegetables, Fresh. O. O. Eaton. 207,058; renewed Dec. 15, 1945. O. G. Sept. 25.
Fruits, Fresh citrus. McPherson Heights Citrus Association. 207,034; renewed Dec. 15, 1945. O. G. Sept. 25.
Gelatin and compounds of gelatin. Plymouth Rock Gelatine Co. 45,574; re-renewed Aug. 22, 1945. O. G. Sept. 25.
Gum, Chewing. Listered Gum Corporation. 200,560; renewed July 7, 1945. O. G. Sept. 25.
Ice cream and frozen desserts. C. F. Thompson. 416,618; Sept. 25; Serial No. 469,138; published July 17, 1945.
Lard, lard compounds, tallow, etc. Cudahy Brothers Company. 47,772; re-renewed Nov. 21, 1945. O. G. Sept. 25.
Lard, tallow, lard compounds, etc. Cudahy Brothers Company. 47,217; re-renewed Oct. 21, 1945. O. G. Sept. 25.
Lard, tallow, lard compounds, etc. Cudahy Brothers Company. 47,631; re-renewed Nov. 14, 1945. O. G. Sept. 25.
Meal, Dog feed. G. H. Dulle Milling Co. 416,743; Sept. 25; Serial No. 481,402; published July 17, 1945.
Mustard, Prepared. Joseph Campbell Company. 48,089; re-renewed Dec. 12, 1945. O. G. Sept. 25.
Nuts, Candy-covered. Illinois Nut Products Co. 204,669; renewed Oct. 20, 1945. O. G. Sept. 25.
Olives put up in mustard dressing. C. Gulden. 48,262; re-renewed Dec. 19, 1945. O. G. Sept. 25.
Pastries. Sfo-Pé. 416,662; Sept. 25; Serial No. 476,082; published July 17, 1945.
Peanut brittle. Illinois Nut Products Co. 204,670; renewed Oct. 20, 1945. O. G. Sept. 25.
Peanut brittle and candy-covered nuts. Illinois Nut Products Co. 203,804; renewed Sept. 29, 1945. O. G. Sept. 25.
Salt. Alex. Kerr Brother & Co. Inc. 204,951; renewed Oct. 27, 1945. O. G. Sept. 25.
Sauce or condiment, Edible. P. Baca. 202,536; renewed Aug. 25, 1945. O. G. Sept. 25.
Shortening. Best Foods, Inc. 207,025; renewed Dec. 15, 1945. O. G. Sept. 25.
Shrimps fried in batter. O. Krohn. 416,798; Sept. 25.
Sirup, Malt. Bay City Milling Company. 203,037; renewed Sept. 8, 1945. O. G. Sept. 25.
Soya-butter. H. O. Butler. 416,787; Sept. 25.
Spices. Crescent Manufacturing Co. 47,630; re-renewed Nov. 14, 1945. O. G. Sept. 25.
Tea. Sumner's Ty. Phoo Tea Ltd. 200,960-1; renewed July 14, 1945. O. G. Sept. 25.
Vegetables, Fresh. T. Guzzetta. 416,738; Sept. 25; Serial No. 481,183; published July 17, 1945.
Vegetables, Fresh. T. J. Matulich. 416,800; Sept. 25.

CLASS 47

Ale. Adam Scheidt Brewing Company. 48,147; re-renewed Dec. 12, 1945. O. G. Sept. 25.
Lager-beer. Adam Scheidt Brewing Co. 48,148; re-renewed Dec. 12, 1945. O. G. Sept. 25.
Lager-beer, Bottled. Valentin Blatz Brewing Company. 26,749; re-renewed July 2, 1945. O. G. Sept. 25.

CLASS 50

Window-glass substitutes and the like. Cello Products Incorporated. 200,892; renewed July 14, 1945. O. G. Sept. 25.

LIST OF REISSUE PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF SEPTEMBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Feinberg, Archie S., Dallas, Tex. Air conditioning apparatus. Re. 22,675; Sept. 25.

Logemann, Clarence L., Milwaukee, Wis. Shoe machinery. Re. 22,676; Sept. 25.

LIST OF DESIGN PATENTEEES

A. C. Mfg. Co.: See—
Jones, George W., assignor.
Abicht, Augusta: See—
Fisk, R. L., and Abicht.
Adam Hat Stores, Inc.: See—
Beckhoff, Ben, assignor.
Ajello, Ralph A., New York, N. Y. Candle holder. 142,368; Sept. 25.
American Floor Surfacing Machine Company, The: See—
Vavrik, Louis, assignor.
American Viscose Corporation: See—
Westerman, Albert L., assignor.
Athletic Shoe Company: See—
Scheps, Jacques A., assignor.
Beckhoff, Ben, assignor to Adam Hat Stores, Inc., New York, N. Y. Hat banding or the like. 142,369; Sept. 25.
Bieger, Clare P., Chagrin Falls, Ohio. Shoe shining rack. 142,370; Sept. 25.
Bloch, Ivan, Hartsdale, N. Y. Wrist watch. 142,371; Sept. 25.
Boeing Aircraft Company: See—
Wells, E. C., Euler, and Collins, assignors.
Boyle, Farnham F., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen or the like. 142,392; Sept. 25.
Brown, Fulton, Winchester, Mass. Hinge. 142,372; Sept. 25.
Carson, Greta E., New York, N. Y. Earring clasp. 142,373; Sept. 25.
Clearite Products, Inc.: See—
Tobias, Monroe B., assignor.
Cobelli, Edwin G., and D. N. McDougal, Miami, Fla. Salt shaker or similar article. 142,374; Sept. 25.
Collins, Norbert A.: See—
Wells, E. C., Euler, and Collins.
Coro, Inc.: See—
Katz, Adolph, assignor.
Cressaty, George M., New York, N. Y. Lens or similar article. 142,375; Sept. 25.
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 142,376; Sept. 25.
Dunn, Ulysses S., Aurora, Ill. Electric arc welder. 142,377; Sept. 25.
Edelmann, Leo, Chicago, Ill. Thermohydrometer or the like. 142,378; Sept. 25.
Edelmann, Leo, Chicago, Ill. Hydrometer jar or the like. 142,379; Sept. 25.
Edelman, Leo, Chicago, Ill. Hydrometer or the like. 142,380; Sept. 25.
Euler, Donald J.: See—
Wells, E. C., Euler, and Collins.
Eureka Vacuum Cleaner Company: See—
Walker, George W., assignor.
Fish, Ned D., and L. P. Martin, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen or the like. 142,381; Sept. 25.
Fish, Ned D., and L. P. Martin, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen. 142,382; Sept. 25.
Fisk, Ruth L., and A. Abicht, New York, N. Y. Toy ball. 142,393; Sept. 25.
Fisk, Ruth L., and A. Abicht, New York, N. Y. Toy ball. 142,394; Sept. 25.
Fisk, Ruth L., and A. Abicht, New York, N. Y. Toy ball. 142,395; Sept. 25.
Flynt, Robert C., Winston-Salem, N. C. Wheeled toy. 142,396; Sept. 25.
Goggins, John R., Forest Junction, Wis. Sprinkler head base. 142,401; Sept. 25.
Golden, Zelma, New York, N. Y. Dress. 142,397; Sept. 25.
Golden, Zelma, New York, N. Y. Dress. 142,398; Sept. 25.
Golden, Zelma, New York, N. Y. Dress. 142,399; Sept. 25.
Golden, Zelma, New York, N. Y. Dress. 142,400; Sept. 25.

Golden, Zelma, New York, N. Y. Dress. 142,402; Sept. 25.
Golden, Zelma, New York, N. Y. Dress. 142,403; Sept. 25.
Greenberg, Alexander, New York, N. Y. Wrist watch strap. 142,404; Sept. 25.
Greenberg, Fred, New York, N. Y. Dress. 142,405; Sept. 25.
Greenberg, Fred, New York, N. Y. Dress. 142,406; Sept. 25.
Greppin, Ernest H., Brighton, assignor to Willmot Castle Company, Rochester, N. Y. Lamp standard. 142,407; Sept. 25.
Hamer, Leland S., Long Beach, Calif. Fitting carrying pipe line control plate. 142,408; Sept. 25.
Hamer, Leland S., Long Beach, Calif. Fitting carrying pipe line control plate. 142,409; Sept. 25.
Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Place mat or similar article. 142,411; Sept. 25.
Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Place mat or similar article. 142,412; Sept. 25.
Hammerstein, Arthur, Palatine, Ill. Dispensing closure for salt cellars and the like. 142,410; Sept. 25.
Hardy, Charles W., New York, N. Y. Frame for a hand-bag. 142,413; Sept. 25.
Hartley, Harriet M., Davon, Conn. Bracelet or similar article. 142,414; Sept. 25.
Holland & Small: See—
Holland, R. L., and Nessen, assignors.
Holland, Robert L., and W. F. Nessen, assignors to Holland & Small, Chicago, Ill. Container for cooking utensils, food, or the like. 142,415; Sept. 25.
Holt, William E., Oakland, Calif. Floor maintenance machine. 142,416; Sept. 25.
Jones, George W., assignor to A. C. Mfg. Co., Van Nuys, Calif. Portable barbecue or similar article. 142,417; Sept. 25.
Jones, George W., assignor to A. C. Mfg. Co., Van Nuys, Calif. Portable barbecue or similar article. 142,418; Sept. 25.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 142,419; Sept. 25.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 142,420; Sept. 25.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 142,421; Sept. 25.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 142,422; Sept. 25.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 142,423; Sept. 25.
Kautz, Edward F., Detroit, Mich. Garbage receptacle. 142,424; Sept. 25.
Klyce, Stephen D., Lexington, assignor to Walsh Engineering Services, Inc., Cambridge, Mass. Ash tray. 142,425; Sept. 25.
Knaus, Nicholas, Cranford, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Cloth-plate for a sewing machine. 142,426; Sept. 25.
Lambert, Guy W., Jasper, Ind. Fly swatter or similar article. 142,428; Sept. 25.
La Barr, Douglas C., Santa Monica, Calif. Toy cannon. 142,427; Sept. 25.
Lepore, Pasquale J., Somerville, Mass. Fluorescent lamp fixture. 142,429; Sept. 25.
Lewis, Fred H., Evanston, Ill. Match box holder. 142,430; Sept. 25.
Lewis, Max J., Forest Hills, N. Y. Perpetual calendar. 142,431; Sept. 25.
Lissak, Nathan J., and J. E. Lucey, Brockton, Mass. Sandal type shoe. 142,432; Sept. 25.
Lomazzo, Edmund J., Norwalk, Conn. Lathe. 142,433; Sept. 25.

LIST OF DESIGN PATENTEEES

Lucey, John E.: *See*—
Lissak, N. J., and Lucey.
Lundy, James E., Huntington Park, Calif. Table.
142,434; Sept. 25.
Martin, Lynn P., Fort Madison, Iowa. Fountain pen.
142,384; Sept. 25.
Martin, Lynn P., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen or the like.
142,383; Sept. 25.
Martin, Lynn P.: *See*—
Fish, N. D., and Martin.
Maxant, William T., Ayer, Mass. Button sewing machine or the like. 142,435; Sept. 25.
Maytag Company, The: *See*—
Smith, Thomas R., assignor.
McDougal, Donald N.: *See*—
Cobelli, E. G., and McDougal.
Meyer, Maximilian C., Brooklyn, N. Y. Playing card.
142,436; Sept. 25.
Milwaukee Lace Paper Company: *See*—
Hamilton, Kenneth C., assignor.
Montgomery Ward & Co., Incorporated: *See*—
Muerle, Richard W., assignor.
Muerle, Richard W., Springfield, assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Bench cream separator. 142,437; Sept. 25.
Nessen, Walter F.: *See*—
Holland, R. L., and Nessen.
Nicholson, Elwood J., Los Angeles, assignor to Photo Research Corporation, San Fernando, Calif. Light meter. 142,439; Sept. 25.
Olson, Wilbur K., Fort Madison, Iowa. Fountain pen.
142,388; Sept. 25.
Olson, Wilbur K., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen desk stand unit. 142,385; Sept. 25.
Olson, Wilbur K., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen or the like.
142,386; Sept. 25.
Olson, Wilbur K., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen or the like.
142,387; Sept. 25.
Olson, Wilbur K., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen. 142,389; Sept. 25.
Olson, Wilbur K., and L. P. Martin, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen. 142,390; Sept. 25.
Photo Research Corporation: *See*—
Nicholson, Elwood J., assignor.
Pratt, Julius C., Eureka, Calif. Game board or similar article. 142,440; Sept. 25.
Rath, Frank H., Garden City, N. Y. Handbag. 142,441; Sept. 25.
Rath, Frank H., Garden City, N. Y. Handbag. 142,442; Sept. 25.
Robins, John N., Chicago, Ill. Lighter for cigars, cigarettes, and the like. 142,443; Sept. 25.
Scheps, Jacques A., assignor to Athletic Shoe Company, Chicago, Ill. Bowling shoe. 142,444; Sept. 25.
Scott, Eben L., Mission, Kans. Climbing toy. 142,445; Sept. 25.

Sheaffer, W. A., Pen Company: *See*—
Boyle, Farnham F., assignor.
Fish, N. D., and Martin, assignors.
Martin, Lynn P., assignor.
Olson, Wilbur K., assignor.
Olson, W. K., and Martin, assignors.
Stempel, Herman K., assignor.
Singer Manufacturing Company, The: *See*—
Knaus, Nicholas, assignor.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Refrigerator cabinet or similar article.
142,446; Sept. 25.
Stein, Max, Paterson, N. J. Tablecloth or similar article.
142,447; Sept. 25.
Stempel, Herman K., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Desk pen. 142,391; Sept. 25.
Thonet Brothers, Inc.: *See*—
Weill, Bruno R., assignor.
Toklas, Monroe B., assignor to Clearite Products, Inc., New York, N. Y. Cigarette dispenser or the like.
142,448; Sept. 25.
Toklas, Monroe B., assignor to Clearite Products, Inc., New York, N. Y. Cigarette case or similar article.
142,449; Sept. 25.
Toklas, Monroe B., assignor to Clearite Products, Inc., New York, N. Y. Cigarette case or similar article.
142,450; Sept. 25.
Toklas, Monroe B., assignor to Clearite Products, Inc., New York, N. Y. Cigarette case or similar article.
142,451; Sept. 25.
Vavrik, Louis, Rossford, assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Surface treating machine. 142,452; Sept. 25.
Victor Metal Products Corporation: *See*—
Derham, Philip T., assignor.
Walker, George W., Pleasant Ridge, assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Vacuum cleaner. 142,453; Sept. 25.
Walker, Joset, New York, N. Y. Dress. 142,454; Sept. 25.
Walsh Engineering Services, Inc.: *See*—
Klyce, Stephen D., assignor.
Weill, Bruno R., Statesville, N. C., assignor to Thonet Brothers, Inc., New York, N. Y. Chair or similar article. 142,458; Sept. 25.
Wells, Edward C., D. J. Euler, and N. A. Collins, near Seattle, assignors to Boeing Aircraft Company, Seattle, Wash. Automobile. 142,455; Sept. 25.
Wells, Edward C., D. J. Euler, and N. A. Collins, near Seattle, assignors to Boeing Aircraft Company, Seattle, Wash. Automobile. 142,456; Sept. 25.
Wells, Edward C., D. J. Euler, and N. A. Collins, near Seattle, assignors to Boeing Aircraft Company, Seattle, Wash. Automobile. 142,457; Sept. 25.
Westernman, Albert L., Delaware County, assignor to American Viscose Corporation, Wilmington, Del. Lay figure. 142,459; Sept. 25.
Wilmot Castle Company: *See*—
Greppin, Ernest H., assignor.
Zahn, Samuel, New York, N. Y. Dress. 142,438; Sept. 25.
Zahn, Samuel, New York, N. Y. Dress. 142,460; Sept. 25.

LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF SEPTEMBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aircraft Screw Products Company, Inc.: *See*—
Haas, Otto, assignor.
Aktiengesellschaft der Eisen- und Stahlwerke vormals Georg Fischer: *See*—
Von Zelewsky, O., and Kunzi, assignors.
Allen Property Custodian: *See*—
Descarsin, Maurice.
Friedel, Georg.
Haack, Erich, assignor.
Hyprath, Walter.
Kaschke, Kurt, assignor.
Rudy, H., and Watzel.
Weston, Herbert.
Woltschek, Arno.
Allen, Howard G., Niagara Falls, assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Handle defining closure for paper bags. 2,385,597; Sept. 25.
Allen, Howard G., Niagara Falls, assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Bag closing machine. 2,385,598; Sept. 25.
Allerton, Hiram D., Hollywood, Calif. Forming slings to handle materials. 2,385,338; Sept. 25.
Allgeo, Fred J.: *See*—
Shue, C. L., and Allgeo.
Allied Chemical & Dye Corporation: *See*—
Clark, Charles R., assignor.
Aluminum Company of America: *See*—
Menking, Heinz, assignor.
Underwood, James E., assignor.
American Cyanamid Company: *See*—
Bradley, C. W., and Davis, assignors.
Cook, E. W., and Thomas, Jr., assignors.
Dean, Russell T., assignor.
Goulding, John P., assignor.
Migrdichian, Vartkes, assignor.
Salley, Donovan J., assignor.
Salley, D. J., Bradley, and Davis, assignors.
Schroy, Paul C., assignor.
Thurston, Jack T., assignor.
American Lamskin Products: *See*—
Konikoff, Robert H.
American Machine & Foundry Company: *See*—
Arelt, Charles, assignor.
Jensen, Thormod, assignor.
Vickery, John R., Jr., assignor.
Whipple, L. V., and Pollock, assignors.
American Optical Company: *See*—
Cozzens, C. O., and Splaine, assignors.
American Rolling Mill Company, The: *See*—
Carpenter, V. W., Bell, and Heck, assignors.
American Thermometer Company: *See*—
Weber, Victor, assignor.
Appelberg, Gustaf R.: *See*—
Bullard, E. P., III, Appelberg, and Johnson.
Arelt, Charles, Richmond Hill, N. Y., assignor to American Machine and Foundry Company. Tucking and folding mechanism for wrapping machines. 2,385,675; Sept. 25.
Armstrong Cork Company: *See*—
Bers, Sara J., assignor.
Navikas, Victor A., assignor.
Artsay, Nicholas C.: *See*—
Makaroff, V. S., and Artsay.
Atkins, George E., Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling device. 2,385,339; Sept. 25.
Automatic Electric Laboratories, Inc.: *See*—
Herrick, Roswell H., assignor.
Lomax, C. E., and Bakker, assignors.
Molnar, Imre, assignors.
Automatic Products Company: *See*—
Pawelsky, Vernon R., assignor.
Automotive Products Company Limited: *See*—
Simpson, John K., assignor.
Axe, Roy T., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Sash opening and closing mechanism. 2,385,676; Sept. 25.
Baade, Henry, assignor to Bendix Aviation Corporation, South Bend, Ind. Power steering mechanism. 2,385,485; Sept. 25.
Bachmann Brothers, Inc.: *See*—
Crowther, Bayard H., assignor.
Baczewski, Alexander, New York, N. Y. Stencil. 2,385,562; Sept. 25.
Badmaieff, Alexis, Indianapolis, Ind., assignor to Radio Corporation of America. Push-pull sound reproducing method and system. 2,385,324; Sept. 25.

Baer, Josef, Washington County, assignor to Electric Steel Foundry, Portland, Ore. Excavating tooth. 2,385,395; Sept. 25.
Bailey, Theodore, Habana, Cuba. Measuring device. 2,385,677; Sept. 25.
Bailey, William A., Jr., Wilmington, assignor to Shell Development Company, San Francisco, Calif. Catalytic cracking of petroleum oils. 2,385,325; Sept. 25.
Bailey, William A., Jr., Long Beach, assignor to Shell Development Company, San Francisco, Calif. Catalytic treatment of hydrocarbon oils. 2,385,326; Sept. 25.
Baines, John A., Willesden Junction, London, assignor to Rotax Limited, London, England. Ignition magnetos for internal-combustion engines. 2,385,678; Sept. 25.
Baker, Henry D., assignor to Chemical Construction Corporation, New York, N. Y. Seal for pressure vessels. 2,385,754; Sept. 25.
Bakker, Pier: *See*—
Lomax, C. E., and Bakker.
Baldwin Locomotive Works: *See*—
Peterson, Harry B., Jr., assignor.
Ball, Joseph A., Los Angeles, and L. Plotin, North Hollywood, assignors to Max McGraw, doing business as McGraw Colorgraph Company, Burbank, Calif. Color photography. 2,385,599; Sept. 25.
Banua, Alberto P., Kalahoe, Hawaii. Dispensing container. 2,385,600; Sept. 25.
Bartholomew, Orlo A., Atlantic City, N. J. Jetty and making the same. 2,385,601; Sept. 25.
Bartoe, Willard E., Hulmeville, and W. R. Speck, Langhorne, assignors to Röhm & Haas Company, Philadelphia, Pa. Production of thermoplastic sheets of non-uniform thickness. 2,385,486; Sept. 25.
Bartow Beacons, Inc.: *See*—
Bartow, John B., assignor.
Bartow, John B., Blue Bell, Pa., assignor to Bartow Beacons, Inc., Philadelphia, Pa. Light restricting device. 2,385,755; Sept. 25.
Batelle Memorial Institute: *See*—
Clark, A., and Shutt, assignors.
Batten, Percy H., et al., trustees: *See*—
Lysholm, Alf, assignor.
Baugh, Everett L.: *See*—
Helvern, J. O., and Baugh.
Baughman, George W., assignor to The Union Switch & Signal Company, Swissvale, Pa. Hot bearing alarm. 2,385,487; Sept. 25.
Baum, Francis P., Chicago, Ill. Indexing unit. 2,385,396; Sept. 25.
Baxter, Clement T., Beverly, assignor to Sylvania Electric Products Inc., Salem, Mass. Electrical device. 2,385,340; Sept. 25.
Bayley, Charles A. D., New York, N. Y. Floating dry dock. 2,385,341; Sept. 25.
Beatty, Edward T., Birmingham, Ala. Equalizer for elevator cables. 2,385,488; Sept. 25.
Beers, George L., Haddonfield, N. J., assignor to Radio Corporation of America. Deflection control system. 2,385,563; Sept. 25.
Bell, Adam C.: *See*—
Dreger, E. E., and Bell.
Bell Aircraft Corporation: *See*—
Bowers, Herbert L., assignor.
Maurer, Le Roy F., assignor.
Bell & Howell Company, The: *See*—
McNabb, Louis A., assignor.
Bell, Samuel A.: *See*—
Carpenter, V. W., Bell, and Heck.
Bell Telephone Laboratories, Incorporated: *See*—
Atkins, George E., assignor.
Bendix Aviation Corporation: *See*—
Baade, Henry, assignor.
Webster, Sidney H., assignor.
Benz, George R., Detroit, Mich., assignor to Phillips Petroleum Company. Valve assembly. 2,385,489; Sept. 25.
Berhelm, Emile, New York, N. Y. Brush. 2,385,490; Sept. 25.
Bers, Sara J., assignor to Armstrong Cork Company, Lancaster, Pa. Preparing a molded zein article and the resulting article. 2,385,679; Sept. 25.
Birkemeier, Henry P., Chicago, Ill. Fishhook. 2,385,602; Sept. 25.
Blackburn, Philip W., Yonkers, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Discharge lamp and application thereof. 2,385,397; Sept. 25.

Blair, Emile, assignor to Standard Aircraft Products, Inc., Dayton, Ohio. Tube testing apparatus. 2,385,491; Sept. 25.

Blaw-Knox Company: See—
Hammond, Edgar S., assignor.

Bloom, Jack, Brooklyn, N. Y. Full face magazine, newspaper or periodical display rack, and storage therefor. 2,385,603; Sept. 25.

Blum, Jerome J., assignor to The Fibre Forming Corporation, Olean, N. Y. Hand grenade body. 2,385,398; Sept. 25.

Bobst, J., & Fils, S. A.: See—
Kury, Josef, assignor.

Bone, Herbert L., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 2,385,492; Sept. 25.

Book, Charles R., assignor to The Eyelet Specialty Company, Waterbury, Conn. Cosmetic container. 2,385,680; Sept. 25.

Booth, William E., Runcorn, and R. Cosway, Penketh, England, assignors to Imperial Chemical Industries Limited. Solvent extraction. 2,385,564; Sept. 25.

Borcharding, Walter H.: See—
Jewell, J. W., Creelman, and Borcharding.

Bosland, Herman S.: See—
La Plana, F. G., and Bosland.

Boston Woven Hose & Rubber Company: See—
Marcy, Grosvenor D., assignor.

Bowers, Herbert L., Kenmore, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Aircraft. 2,385,493; Sept. 25.

Boynton, Arthur J., Chicago, Ill. Apparatus for averaging materials. 2,385,494; Sept. 25.

Braddon, Frederick D., Babylon, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyroscopic instrument. 2,385,342; Sept. 25.

Bradley, Chester W.: See—
Salley, D. J., Bradley, and Davis.

Bradley, Chester W., Old Greenwich, and H. S. Davis, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Producing acrylonitrile. 2,385,327; Sept. 25.

Branham, Adolphus D., St. Louis, Mo. Recording mechanism. 2,385,399; Sept. 25.

Brewer, Clarence T., Chicago, Ill., assignor to Dixie Cup Company. Machine for producing containers and parts thereof. 2,385,604; Sept. 25.

Brian, William S.: See—
Wittlinger, L. M., and Brian.

Brian, William S., Owensboro, Ky., assignor to General Motors Corporation, Detroit, Mich. Autocollimating device. 2,385,495; Sept. 25.

Brick, Frank R., Elizabeth, N. J. Developing apparatus. 2,385,681; Sept. 25.

Briggs, Leland G., Madison, Wis., assignor to Ray-O-Vac Company. Dry-cell dispensing device. 2,385,400; Sept. 25.

Bristol, Robert A.: See—
Vaisey, Samuel B., assignor.

Brooks, Walter: See—
Seymour, G. W., and Brooks.

Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Shuttle. 2,385,756; Sept. 25.

Brown, Hugh E., Cleveland Heights, and S. M. Grant, Bay Village, Ohio, assignors to The W. S. Tyler Company. Electrically vibrated feeder. 2,385,328; Sept. 25.

Brown Instrument Company, The: See—
Jones, Harry S., assignor.

Lehde, Henry, assignor.

Wills, Walter P., assignor.

Brown, Leo H., Glenville, Conn. Fire control means. 2,385,343; Sept. 25.

Brown, Le Roy O.: See—
Packer, C. S., and Brown.

Buchanan, J. D., Burbank, Calif. Pencil. 2,385,329; Sept. 25.

Budd, Edward G., Manufacturing Company: See—
Pancoe, George W., assignor.

Bullard Company, The: See—
Bullard, E. P., III, Appelberg, and Johnson, assignors.

Bullard, Edward P., III, Fairfield, G. R. Appelberg, and E. H. Johnson, Bridgeport, Conn., assignors to The Bullard Company. Machine tool. 2,385,605; Sept. 25.

Bulldog Electric Products Company: See—
Platz, Elwood T., assignor.

Bunn, Edward S., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Zinc base alloy. 2,385,496; Sept. 25.

Bunn, Edward S., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Zinc base alloy. 2,385,497; Sept. 25.

Burg, Bertha R.: See—
King, I., and Burg, assignors.

Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Catalytic formation of isobutane. 2,385,344; Sept. 25.

Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Controlled fractional distillation apparatus. 2,385,345; Sept. 25.

Burkholder, John D., Jr., Harrisonburg, Va. Brooder. 2,385,682; Sept. 25.

Burton, Augustus, Dallas, Tex. Treatment apparatus. 2,385,683; Sept. 25.

Burton, Edward F., West Los Angeles, and A. B. Rogers, Sr., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Pilot enclosure. 2,385,684; Sept. 25.

Busk, Robert S., assignor to The Dow Chemical Company, Midland, Mich. Magnesium base alloy. 2,385,685; Sept. 25.

Busk, Robert S., assignor to The Dow Chemical Company, Midland, Mich. Magnesium base alloy. 2,385,686; Sept. 25.

Butterbaugh, Darrell J.: See—
Spence, Le R. U., Butterbaugh, and Kroeker.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Egg carton setting up device. 2,385,401; Sept. 25.

Byrns, Alva C.: See—
Polly, O. L., and Byrns.

Caffrey, Charles S.: See—
Corbin, W. S., Chilson, Tollison, Caffrey, and Dillon.

Calhoun, Earl E., Shulls Mills, assignor to David P. Lavietes, Boone, N. C. Chuck for frazing machines. 2,385,346; Sept. 25.

Calumet and Hecla Consolidated Copper Company: See—
Clifford, George E., assignor.

Cameron, James E.: See—
Van Buren, Charles J., assignor.

Campbell, James R., Ontario, Calif., assignor to General Electric Company. Flatiron. 2,385,606; Sept. 25.

Candee, Allan H., and L. O. Carlsen, assignors to Gleason Works, Rochester, N. Y. Machine for cutting gears. 2,385,330; Sept. 25.

Carborundum Company, The: See—
Clapp, C. P., and Johnson, assignors.

Hediger, E., and Schildhauer, assignors.

Carey, Phillip, Manufacturing Company, The: See—
Fasold, G. A., and Greider, assignors.

Carlin, Robert T.: See—
Vaala, G. T., and Carlin.

Carlsen, Leonard O., assignor to Gleason Works, Rochester, N. Y. Machine for producing gears. 2,385,331; Sept. 25.

Carlsen, Leonard O.: See—
Candee, A. H., and Carlsen.

Carlson, Warner W.: See—
Stahly, G. L., and Carlson.

Carnahan, Chalon W., Oak Park, Ill., assignor to Sylvania Electric Products Inc. Light polarizing screen and manufacture. 2,385,687; Sept. 25.

Carpenter, Victor W., Franklin, and S. A. Bell and J. E. Heck, assignors to The American Rolling Mill Company, Middletown, Ohio. Production of silicon steel sheet stock having insulative surfaces. 2,385,332; Sept. 25.

Carter, Albert S., Wilmington, Del., and T. G. Webber, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coagulating neoprene dispersions by means of magnesium salts. 2,385,688; Sept. 25.

Casson, Nicholas V., New York, N. Y. Ecclesiastical equipment. 2,385,607; Sept. 25.

Castagna, James, New York, N. Y. Curtain and drapery rod. 2,385,608; Sept. 25.

Celanese Corporation of America: See—
Seymour, G. W., and Brooks, assignor.

Chadwell, Paul A., Washington, D. C. Depicting device. 2,385,347; Sept. 25.

Chafee, Earl W., New York, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Fire control system for aircraft guns. 2,385,348; Sept. 25.

Chamberlin Company of America: See—
Pillsbury, Howard G., assignor.

Checkmaster Plan Inc.: See—
Efron, Alexander, assignor.

Chemical Construction Corporation: See—
Baker, Henry D., assignor.

Chemical Developments, Inc.: See—
Fowler, George B., and (Pattilloch, assignor).

Stahly, Grant L., and Carlson, assignors.

Cheyney, La Verne E.: See—
Osterhof, H. J., and Cheyney.

Cheyney, La Verne E., Akron, and H. J. Osterhof, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Oil container. 2,385,532; Sept. 25.

Cheyney, La Verne E., Akron, and H. J. Osterhof, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Package. 2,385,533; Sept. 25.

Cheyney, La Verne E., Akron, and H. J. Osterhof, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Plasticized rubber hydrochloride film. 2,385,534; Sept. 25.

Cheyney, La Verne E., Akron, and H. J. Osterhof, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Package. 2,385,535; Sept. 25.

Chicago Metal Hose Corporation: See—
Toepper, G., and Farrar, assignors.

Chilson, Francis: See—
Corbin, W. S., Chilson, Tollison, Caffrey, and Pilon.

Christiansen, Andrew L., Willowbrook, Calif. Brake. 2,385,689; Sept. 25.

Clapp, Channing P., Fords, and B. M. Johnson, Metuchen, N. J., assignors to The Carborundum Company, Niagara Falls, N. Y. Furnace. 2,385,333; Sept. 25.

Clark, Alfred, Grandview Heights, and R. S. Shutt, Upper Arlington, assignors to Batelle Memorial Institute, Columbus, Ohio. Polymerizing olefines. 2,385,609; Sept. 25.

Clark, Charles R., Springfield Township, Montgomery County, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Recovering toluene from hydrocarbon mixtures. 2,385,610; Sept. 25.

Clifford, George E., Detroit, assignor, by mesne assignments, to Calumet and Hecla Consolidated Copper Company, Calumet, Mich. Apparatus for forming integral finned tubing. 2,385,498; Sept. 25.

Cloutier, Arthur N., Lonsdale, assignor to Hemphill Company, Central Falls, R. I. Split-foot knitting machine. 2,385,611; Sept. 25.

Codish, George, New York, N. Y. Outsole. 2,385,690; Sept. 25.

Cohen, Jess, et al.: See—
Konikoff, Robert H., assignor.

Cohn, Joseph: See—
Cohn, S., and J., and Walter.

Cohn, Samuel, and J., New York, and J. G. Walter, Ridge-wood, N. Y. Apparatus for spreading tubular fabrics. 2,385,402; Sept. 25.

Colgate-Palmolive-Peet Company: See—
Dreger, E. E., and Bell, assignors.

Commercial Solvents Corporation: See—
Smith, Everett F., assignor.

Compo Shoe Machinery Corporation: See—
Marasco, Harold E., assignor.

Stratton, Michael G., assignor.

Conaway, Rollin F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stretching cellulose ester yarn. 2,385,403; Sept. 25.

Consolidated Packaging Machinery Corporation: See—
Allen, Howard G., assignor.

Ekstrand, Ernest W., assignor.

Cook, Elmer W., New York, N. Y., and W. D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Stabilization of motor fuels. 2,385,757; Sept. 25.

Corbin, Wesley S., Ridley Park, Pa., F. Chilson, Scarsdale, N. Y., P. L. Tollison, North Plainfield, N. J., C. S. Caffrey, Port Washington, N. Y., and A. F. Pilon, North Plainfield, N. J., assignors to Scott Paper Company, Chester, Pa. Continuous winding machine. 2,385,691; Sept. 25.

Corbin, Wesley S., Ridley Park, Pa., P. L. Tollison and A. F. Pilon, North Plainfield, N. J., F. Chilson, Scarsdale, and C. S. Caffrey, Port Washington, N. Y., assignors to Scott Paper Company, Chester, Pa. Continuous winding machine. 2,385,692; Sept. 25.

Cosway, Richard: See—
Booth, W. E., and Cosway, assignors.

Cotton, William, Limited: See—
Woodcock, Herbert E., assignor.

Courtaulds Limited: See—
Wormell, R. L., and Knight, assignors.

Coutlee, Alex, Kankakee, Ill., assignor to J. W. Mortell Company. Calking tape. 2,385,612; Sept. 25.

Cox, Arthur E., Camp Barkeley, Tex. Clip or fastener. 2,385,565; Sept. 25.

Cozzens, Charles O., and E. M. Splaine, assignors to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,385,693; Sept. 25.

Creelman, George D.: See—
Jewell, J. W., Creelman, and Borcharding.

Crosby, Stephen A., Chicago, Ill., assignor to Sterling Tool Products Company. Antifriction bearing. 2,385,404; Sept. 25.

Crowther, Bayard H., Wyncote, assignor to Bachmann Brothers, Inc., Philadelphia, Pa. Combination goggles and eyeshade. 2,385,405; Sept. 25.

Cummings, John W.: See—
Yager, L., and Cummings.

Curtis, John C., Claremont, N. H., assignor to Sullivan Machinery Company. Chuck mechanism. 2,385,349; Sept. 25.

Curtiss-Wright Corporation: See—
Darby, Robert A., assignor.

Dady, Arthur O., Flossmoor, assignor to Sears, Roebuck and Co., Chicago, Ill. Roller latch construction. 2,385,350; Sept. 25.

Dandger Oil & Refineries, Inc.: See—
Isham, Robert M., assignor.

Darby, Robert A., Buffalo, N. Y., assignor to Curtiss-Wright Corporation. Fuselage bulge. 2,385,499; Sept. 25.

Davenport Machine Tool Co., Inc.: See—
Silva, F. G., and Seymour, assignors.

Davey, Peter, White Plains, N. Y. Calculator. 2,385,334; Sept. 25.

Davidson, Jess S. W., Mountain View, Calif. Control system for hydraulically actuated devices. 2,385,351; Sept. 25.

Davis, Alex B., Cincinnati, Ohio, assignor to A. B. Dick Company, Chicago, Ill. Inks. 2,385,613; Sept. 25.

Davis, George B., Jr., Green Acres, Md. Coffee maker. 2,385,694; Sept. 25.

Davis, Harold S.: See—
Bradley, C. W., and Davis.

Davis, Harold S.: See—
Salley, D. J., Bradley, and Davis.

Davis, Oliver C., assignor to The Mengel Company, Louisville, Ky. Making hollow panels. 2,385,352; Sept. 25.

Dayton, Ernest L., Detroit, Mich. Fluid type seal. 2,385,406; Sept. 25.

Dean, Russell T., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Rubber vulcanization accelerators. 2,385,335; Sept. 25.

Deere & Company: See—
Louthan, George R., assignor.

White, Charles H., assignor.

De Guire, Olfan, Silverton, Ore. Screen-grid modulation control. 2,385,666; Sept. 25.

Descarsin, Maurice, Paris, France; vested in the Allen Property Custodian. Electrical heating of articles made of glass or other vitreous material. 2,385,567; Sept. 25.

Dick, A. B., Company: See—
Davis, Alex B., assignor.

Dixie Cup Company: See—
Brewer, Clarence T., assignor.

Dominion Textile Company Limited: See—
Kershaw, J. G., and Fisher, assignors.

Douglas Aircraft Company, Inc.: See—
Burton, Edward F., and Rogers, assignors.

Dow Chemical Company, The: See—
Busk, Robert S., assignor.

Dreischbach, Robert R., assignor.

Hanson, Alden W., assignor.

Hooker, G. W., Stowe, and Drake, assignors.

Hunter, M. J., and Kropscott, assignors.

Drain, Samuel F., Pascagoula, Miss. Lawn mower. 2,385,568; Sept. 25.

Drake, Lewis R.: See—
Hooker, G. W., Stowe, and Drake.

Draper Corporation: See—
Brown, Carl D., assignor.

Dreger, Emil E., Summit, N. J., and A. C. Bell, Jackson Heights, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Detergent bars or cakes. 2,385,614; Sept. 25.

Dreischbach, Robert R., assignor to The Dow Chemical Company, Midland, Mich. Co-polymerization products and making same. 2,385,695; Sept. 25.

Dreischbach, Robert R., assignor to The Dow Chemical Company, Midland, Mich. Manufacture of divinyl-benzene compounds from corresponding ethylated benzene compounds. 2,385,696; Sept. 25.

Dreyer, John F., Cincinnati, Ohio, assignor to The Formica Insulation Company. Fluorescent sulphide pigment composition. 2,385,615; Sept. 25.

Dumore Company, The: See—
Nelson, J. H., and Servis, assignors.

Duplessis, René E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for shaping shoe uppers. 2,385,336; Sept. 25.

Du Pont, E. I., de Nemours & Company: See—
Carter, A. S., and Webber, assignors.

Conaway, Rollin F., assignor.

Knox, James J., assignor.

Starkweather, H. W., and Wilder, assignors.

Vaala, G. T., and Carlin, assignors.

Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Sequence control system. 2,385,616; Sept. 25.

Edwards, O. M., Company, Inc., The: See—
Axe, Roy T., assignor.

Efron, Alexander, assignor to Checkmaster Plan Inc., New York, N. Y. Filing folder. 2,385,337; Sept. 25.

Eiseman, Robert J., and R. E. Wenner, Cleveland, assignors to Jack & Heintz, Inc., Bedford, Ohio. Forming split ring gears. 2,385,617; Sept. 25.

Ekstrand, Ernest W., Orange, N. J., assignor to Consolidated Packaging Machinery Corporation. Sorting device. 2,385,618; Sept. 25.

Electric Steel Foundry: See—
Baer, Josef, assignor.

Electric Storage Battery Company, The: See—
Lessey, Samuel K., assignor.

Elsner, Harold W.: See—
Johnson, A. O., and Elsner.

Endress, Frederick A., assignor to Tuff-Hard Corporation, Detroit, Mich. Packing box for the heat-treatment of ferrous material. 2,385,407; Sept. 25.

Engstrom, Birger, Pittsburgh, Pa. Thread protector. 2,385,408; Sept. 25.

Equitable Paper Bag Co. Inc.: See—
Peppe, George W., assignor.

Evans, Fred, Newark, N. J., assignor to Ronson Art Metal Works, Inc. Sharpening means for safety razors. 2,385,436; Sept. 25.

Eyelet Specialty Company, The: See—
Book, Charles R., assignor.

Farrar, John F. P.: See—
Toepper, G., and Farrar.

Fasold, George A., Mount Healthy, and H. W. Greider, Wyoming, Ohio, assignors to The Philip Carey Manufacturing Company. Bituminous paint. 2,385,437; Sept. 25.

Fasold, George A., Mount Healthy, and H. W. Greider, Wyoming, Ohio, assignors to The Philip Carey Manufacturing Company. Fire extinguishing composition and the manufacture thereof. 2,385,500; Sept. 25.

Fausset, Ernest R., Ingalls, and F. L. Zion, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Armature coil lead staking machine. 2,385,619; Sept. 25.

Feltes, Frances E.: See—
Gray, Walter L., assignor.

Fevns, Anna, Akron, Ohio. Electrically heated applicator. 2,385,501; Sept. 25.

Fibre Forming Corporation, The: See—
Blum, Jerome J., assignor.

Finley, Thomas M., Caledonia, Mo. Incendiary bomb. 2,385,502; Sept. 25.

Fisher, Harold: See—
Kershaw, J. G., and Fisher.

Fitzpatrick, W. J., Company, The: See—
Wagner, Harold H., assignor.

Flaxman, Marcellus T., Inglewood, assignor to Union Oil Company of California, Los Angeles, Calif. Lubricating oil composition. 2,385,697; Sept. 25.

Fleckenstein, Andrew, Windsor, N. Y. Electric outlet accessory fixture. 2,385,620; Sept. 25.

Fleischhauer, Richard and A. Müller, Frankfurt-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Disazo dye-stuffs. 2,385,698; Sept. 25.

Food Machinery Corporation: See—
Paxton, G. C., and Verrinder, assignors.

Formica Insulation Company, The: See—
Dreyer, John F., assignor.

Fowler, George B., and D. K. Pattilloch, Springfield, Mass.; said Pattilloch assignor to Chemical Developments, Inc., Chicago, Ill. Starch product. 2,385,438; Sept. 25.

Fox, Vernie A., Detroit, Mich. Fuel ignition system. 2,385,699; Sept. 25.

Frankel, Leo, Chicago, Ill., assignor, by mesne assignments, to Franklin Photographic Industries. Film splicer. 2,385,353; Sept. 25.

Franklin Photographic Industries: See—
Frankel, Leo, assignor.

Freeman, Leo T., and R. H. Shively, Scranton, Pa.; said Freeman assignor to said Shively. Brake operating mechanism. 2,385,621; Sept. 25.

Freeman, Leon T., and R. H. Shively, Scranton, Pa.; said Freeman assignor to said Shively. Brake operating mechanism. 2,385,622; Sept. 25.

Friedel, Georg, Dresden, Germany; vested in the Allen Property Custodian. Improving milk, cream, curd, and cheese. 2,385,569; Sept. 25.

G & A Laboratories, Inc.: See—
Hasselstrom, T., and (Hampton, assignor).

Gardner, Arthur W., Macon, Ga., assignor to Motor Wheel Corporation, Lansing, Mich. Fuel control. 2,385,409; Sept. 25.

Gardner, John A., Llangollen, Wales, assignor to Monsanto Chemicals Limited, London, England. Production of organic disulphides. 2,385,410; Sept. 25.

Garlits, Edward E., Jr., Yardley, Pa. Sorting device. 2,385,700; Sept. 25.

Gaudreau, Leodor H., Ludlow, Mass. Fixture. 2,385,354; Sept. 25.

Geer, William C., Ithaca, N. Y. Frost-preventing screen for aircraft windows and making the same. 2,385,411; Sept. 25.

Geisser, Josef: See—
Von Däniken, L., and Geisser.

Geldhof, Peter E., and V. J. Wooster, assignors to Nineteen Hundred Corporation, St. Joseph, Mich. Transmitting oscillatory motion. 2,385,623; Sept. 25.

General Aniline & Film Corporation: See—
Fleischhauer, R., and Müller, assignors.
Mueller, Fritz W. H., assignor.
Reckmeyer, Verne H., assignor.
Von Freyberg, H., and Koch, assignors.

General Controls Co.: See—
Paille, Eugene, assignor.

General Electric Company: See—
Campbell, James R., assignor.
Eaton, John, assignor.
Malloy, John J., assignor.
Prideaux, Gwilym F., assignor.
Strang, H. E., Reed, and Linde, assignors.
Wade, Elmer J., assignor.
Warner, Donald F., assignor.
Watrobski, Raymond J., assignor.
Whiting, Max A., assignor.

General Motors Corporation: See—
Brian, William S., assignor.
Fausset, E. R., and Zion, assignors.
Helvern, J. O., and Baugh, assignors.
Hunt, George, assignor.
Lawson, John W., assignor.
Rasmussen, Olaf, assignor.
Rippington, Edward V., assignor.
Wittlinger, L. M., and Brian, assignors.

Gerhold, Clarence G., assignor to Universal Oil Products Company, Chicago, Ill. Downspout for bubble trays. 2,385,355; Sept. 25.

Gille, Willis H.: See—
Taylor, D. G., and Gille.

Gilman, James N., Oakland, and C. C. Ross, Alameda, Calif.; said Ross assignor to said Gilman. Switch assembly. 2,385,356; Sept. 25.

Glasser, Charles J., Chicago, Ill. Optical testing device and testing. 2,385,503; Sept. 25.

Gleason Works: See—
Candee, A. H., and Carlsen, assignors.
Carlsen, Leonard O., assignor.

Godber, George R., Los Angeles, Calif. Closure means for container filling openings. 2,385,624; Sept. 25.

Goldstein, Eda H., et al., executors: See—
Hommel, Oscar.

Goodrich, B. F. Company, The: See—
Leguillon, Charles W., assignor.

Goulding, John P., Neshanic Station, N. J., assignor to American Cyanamid Company, New York, N. Y. Separation of aromatic amines from iron sludge. 2,385,504; Sept. 25.

Grant, Stewart M.: See—
Brown, H. E., and Grant.

Gray, Walter L., assignor of one-half to F. E. Feltes, Arcadia, Wis. Clothesline reel. 2,385,570; Sept. 25.

Green, Edwin H.: See—
McLain, W. R., Miller, and Green.

Greger, Herbert H.: See—
Menefee, A. B., and Greger.

Greider, Harold W.: See—
Fasold, G. A., and Greider.

Griffith Laboratories, Inc., The: See—
Hall, Lloyd A., assignor.

Grimble, Lloyd W., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Production of halides. 2,385,505; Sept. 25.

Gubbins, Charles H., Ealing, London, England. Mechanical hammer. 2,385,439; Sept. 25.

Gulf Oil Corporation: See—
Smith, Herschel G., assignor.

Gurwick, Irving, New York, N. Y., assignor to Shellmar Products Company, Mount Vernon, Ohio. Nonmetallic collapsible dispensing tube and manufacture thereof. 2,385,506; Sept. 25.

Gussow, William A., Birmingham, Ala., assignor to Southern States Equipment Corporation. Electric switch. 2,385,507; Sept. 25.

Haack, Erich, Radebeul near Dresden, Germany; vested in the Allen Property Custodian. Making N-sulphonyureas. 2,385,571; Sept. 25.

Haas, Fritz O.: See—
Spence, Le R. U., and Haas.

Haas, Otto, Richmond Hill, assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y. Recessing wire coils. 2,385,357; Sept. 25.

Hakki, Ismail, New York, N. Y. Auxiliary electrode support. 2,385,440; Sept. 25.

Hall, Lloyd A., assignor to The Griffith Laboratories, Inc., Chicago, Ill. Capsicum-containing seasoning composition. 2,385,412; Sept. 25.

Halstead, William S., Huntington, N. Y. Automatic recording and reproducing system. 2,385,701; Sept. 25.

Hammond, Edgar S., Bloomfield, N. J., assignor to Blaw-Knox Company. Combustion of coal. 2,385,508; Sept. 25.

Hampton, Burt L.: See—
Hasselstrom, T., and Hampton.

Hansen, Charles W.: See—
Krause, N. R., and Hansen.

Hansen, Walter H., Ephraim, Utah. Open-center snow track. 2,385,758; Sept. 25.

Hanson, Aiden W., assignor to The Dow Chemical Company, Midland, Mich. Making fine fibers. 2,385,358; Sept. 25.

Harper, Carolyn L., et al.: See—
Harper, Philip S., assignor.

Harper, Philip S., et al.: See—
Harper, Philip S., assignor.

Harper, Philip S., assignor of one-fourth to P. S. Harper and one-fourth to C. L. Harper, Chicago, Ill., and one-fourth to Harris Trust and Savings Bank, an Illinois banking corporation, as trustee of the Philip S. Harper Trust, and one-fourth to said Harris Trust and Savings Bank, as trustee of the Carolyn L. Harper Trust. Gas burner. 2,385,413; Sept. 25.

Harrington & Richardson Arms Company: See—
Rice, Rienzi, assignor.

Harris, Alfred T., Bakersfield, Calif. Safety liquid dispenser. 2,385,509; Sept. 25.

Harris Trust and Savings Bank, trustee of the Carolyn L. Harper Trust: See—
Harper, Philip S., assignor.

Harris Trust and Savings Bank, trustee of the Philip S. Harper Trust: See—
Harper, Philip S., assignor.

Harwood, Stanley G., San Marino, Calif. Balanced valve. 2,385,510; Sept. 25.

Hasselstrom, Torsten, Savannah, Ga., and B. L. Hampton, Jacksonville, Fla., said Hampton assignor to G & A Laboratories, Inc., Savannah, Ga. Hydrating turpentine and like matters and products thereof. 2,385,572; Sept. 25.

Hawkins, Roe C., Long Beach, Calif. Barrel truck. 2,385,514; Sept. 25.

Hays, Fred E., and L. O. Scott, San Jose, Calif. Mattress scrubber. 2,385,511; Sept. 25.

Heath, Robert, Fort Collins, Colo. Power shovel and loading device. 2,385,512; Sept. 25.

Heck, Joseph E.: See—
Carpenter, V. W., Bell, and Heck.

Hediger, Ernst, and W. E. Schildhauer, assignors to The Carborundum Company, Niagara Falls, N. Y. Electrical resistor. 2,385,702; Sept. 25.

Heidt, Alexander J.: See—
Schmieder, William, assignor.

Helvern, James O., and E. L. Baugh, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Fuel system. 2,385,513; Sept. 25.

Hemphill Company: See—
Cloutier, Arthur N., assignor.

Henshaw, Richard C., assignor to Lord Manufacturing Company, Erie, Pa. Resilient mounting. 2,385,759; Sept. 25.

Hercules Powder Company: See—
Kirkpatrick, William J., assignors.

Herlick, Roswell H., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Intercommunication system. 2,385,515; Sept. 25.

Hieber, Sonia L., Atlanta, Ga. Fabric repair machine. 2,385,703; Sept. 25.

Hill, Dudley L., Peekskill, N. Y. Implement for soil preparation. 2,385,441; Sept. 25.

Hlavin, William S.: See—
Sigmund, F. J., and Hlavin.

Hoffman, Harry, Denver, Colo. Pencil. 2,385,442; Sept. 25.

Hoffman Specialty Co.: See—
Parton, J. A., and Pace, assignors.

Hoffmann, Josef, Paterson, N. J. Preparing concentrated toxoids and product produced thereby. 2,385,443; Sept. 25.

Holmgren, Eric A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,385,414; Sept. 25.

Hommel, Ernest M., et al., executors: See—
Hommel, Oscar.

Hommel, O., Company, The: See—
Hommel, Oscar, assignor.

Hommel, Oscar, deceased, by E. M. Hommel, E. H. Goldstein, and The Union Trust Company of Pittsburgh, executors, assignors to The O. Hommel Company, Pittsburgh, Pa. Enamelware making. 2,385,573; Sept. 25.

Hooker Electrochemical Company: See—
Seance, J. S., Rucker, Whitmire, and Schoonover, assignors.

Hooker, George W., S. C. Stowe, and L. R. Drake, assignors to The Dow Chemical Company, Midland, Mich. Recovering sulphur dioxide. 2,385,704; Sept. 25.

Hopmans, Arthur H., Paulding, Ohio. Hydraulic transmission system. 2,385,625; Sept. 25.

Horman, John H., Tuckahoe, assignor, by mesne assignments, to Smaller War Plants Corporation, New York, N. Y. Switch control mechanism. 2,385,626; Sept. 25.

Horton, Aaron W., Thorofare, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Secondary chlorides of neohexane. 2,385,444; Sept. 25.

Hovorka, James, Elizabeth, Ill. Brake hitch and release. 2,385,516; Sept. 25.

Huffman, Hal C., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Production of butadiene. 2,385,705; Sept. 25.

Hunt, George, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Clutch. 2,385,517; Sept. 25.

Hunter, Melvin J., and E. L. Kropscott, assignors to The Dow Chemical Company, Midland, Mich. Cellulose ether composition. 2,385,359; Sept. 25.

Hyprath, Walter, Berlin-Wilmersdorf, Germany; vested in the Allen Property Custodian. Extrusion device for the manufacture of cable sheaths. 2,385,574; Sept. 25.

Illmer, Louis, Cortland, N. Y. Rotor grinder machine. 2,385,445; Sept. 25.

Imperial Chemical Industries Limited: See—
Booth, W. E., and Conway, assignors.

Ogle, Frank L., assignor.

Interchemical Corporation: See—
Opp, Carl, assignor.

International Standard Electric Corporation: See—
Webb, John K., assignor.

Isham, Robert M., Okmulgee, Okla., assignor to Danciger Oil & Refineries, Inc., Fort Worth, Tex. Production of succinic and maleic acids from butyrolactone. 2,385,518; Sept. 25.

Isler, Sol, New York, N. Y. Plastic umbrella frame construction. 2,385,575; Sept. 25.

Israel, Jean I. L., Rio de Janeiro, Brazil. Clasp device for bags, portfolios, envelopes, and the like. 2,385,576; Sept. 25.

Jack & Helutz, Inc.: See—
Eiseman, R. J., and Wenner, assignors.

Jackson, David, Pittsburgh, Pa. Fishing hook releaser. 2,385,415; Sept. 25.

Jacob, Ezekiel J., Brooklyn, assignor to B. Liebowitz, New York, N. Y. Fabric. 2,385,577; Sept. 25.

Jarrell, Lemuel P., Huntington Park, Calif. Toolholder for metal planers. 2,385,519; Sept. 25.

Jefferson Electric Company: See—
Omansky, Morris, assignor.

Jensen, Thornd, Laurelton, N. Y., assignor to American Machine & Foundry Company. Wrapping mechanism. 2,385,706; Sept. 25.

Jewell, Joseph W., Summit, G. D. Creelman, Mountain Lakes, N. J., and W. H. Borcharding, New York, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J. Catalytic conversion of hydrocarbons. 2,385,446; Sept. 25.

Johnson, Allen O., and H. W. Elsner, Burbank, Calif. V-belt clutch assembly. 2,485,360; Sept. 25.

Johnson, Boyd M.: See—
Clapp, C. P., and Johnson.

Johnson, Charles S., Albany, Ga., assignor of fifty per cent to H. H. Williamson. Thief signal. 2,385,707; Sept. 25.

Johnson Corporation, The: See—
Monroe, Rollo O., assignor.

Johnson, Ernest H.: See—
Bullard, E. P., III, Appelberg, and Johnson.

Johnson, Tomlinson F., Atlanta, Ga. Hook and latch for line implements. 2,385,708; Sept. 25.

Johnston, Charles S., Glencoe, assignor to Transportation Specialties Co., Chicago, Ill. Screen for refrigerator cars. 2,385,760; Sept. 25.

Johnston, John M., Hillside, N. J. Holding device. 2,385,709; Sept. 25.

Jones, Carl G., Youngstown, Ohio. Rolling sheet metal. 2,385,627; Sept. 25.

Jones, Harry S., Washington, D. C., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and control apparatus. 2,385,447; Sept. 25.

Justrite Manufacturing Company: See—
Packer, C. S., and Brown, assignors.
Packer, C. S., and Olsen, assignors.

Kaschke, Kurt, Berlin-Neukölln, Germany; vested in the Allen Property Custodian. Iron powder core. 2,385,578; Sept. 25.

Kellogg, M. W., Company, The: See—
Jewell, J. W., Creelman, and Borcharding, assignors.

Kershaw, Henry, Belleville, N. J. Apparatus for welding. 2,385,710; Sept. 25.

Kershaw, John G., Westmount, and H. Fisher, Mount Royal, assignors to Dominion Textile Company Limited, Montreal, Quebec, Canada. Condensing sliver. 2,385,448; Sept. 25.

Killefer Manufacturing Corporation: See—
Mitchell, R. H., and Thomas, assignors.

King, Irving, and B. R. Burg, Los Angeles, Calif. Frozen confection dispenser. 2,385,579; Sept. 25.

Kirkpatrick, William J., Marshallton, assignor to Hercules Powder Company, Wilmington, Del. Isomerization of pinene to camphene. 2,385,711; Sept. 25.

Klinzing, August, Milwaukee, Wis. Burial urn. 2,385,520; Sept. 25.

Knight, Claude L.: See—
Wormell, Robert L., and Knight.

Knox, James J., Avenel, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vitrifiable flux and bonding composition containing same. 2,385,580; Sept. 25.

Koch, Heinrich: See—
Von Freyberg, H., and Koch.

Koehler, William, Cleveland Heights, Ohio. Fire extinguisher. 2,385,449; Sept. 25.

Konikoff, Robert H., assignor to J. Cohen, L. Passloff, O. Schneebalg, and D. Weinberg, New York, N. Y., co-partners doing business under the firm name of American Lambskin Products. Machine for cutting skins. 2,385,712; Sept. 25.

Koppel, Ernst R., assignor to A. O. Smith Corporation, Milwaukee, Wis. Hot-water storage heater. 2,385,450; Sept. 25.

Kosolapoff, Gennady M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Amidophosphates. 2,385,713; Sept. 25.

Krause, Norman R., and C. W. Hansen, Racine, Wis. Feed cutter and silo filler. 2,385,451; Sept. 25.

Kroeker, Edwin H.: See—
Spence, Le R. U., Butterbaugh, and Kroeker.

Kropscott, Earle L.: See—
Hunter, M. J., and Kropscott.

Kunzi, Karl: See—
Von Zelewsky, O., and Kunzi.

Küry, Josef, Lausanne, assignor to J. Bobst & Fils S. A., Prilly, Switzerland. Machine for the working of blanks. 2,385,581; Sept. 25.

Kyrides, Lucas P., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Production of aminopyrimidines. 2,385,761; Sept. 25.

La Crosse Rubber Mills Company: See—
Larkin, L. J., and G. A., and Regan, assignors.

Laliberte, Albert J., Naugatuck, assignor to Safety-Fuel Incorporated, West Cheshire, Conn. Solidified normally liquid hydrocarbons. 2,385,361; Sept. 25.

Laliberte, Albert J., Naugatuck, assignor to Safety-Fuel Incorporated, West Cheshire, Conn. Solidified normally liquid hydrocarbons. 2,385,362; Sept. 25.

Laliberte, Albert J., Naugatuck, assignor to Safety-Fuel Incorporated, West Cheshire, Conn. Solidified normally liquid hydrocarbons. 2,385,363; Sept. 25.

Lande, Julius M., New York, N. Y. Interpreting device. 2,385,452; Sept. 25.

Laning, Willard A.: See—
Werner, L. C., and Laning.

La Plana, Fred G., Forest Hills, N. Y., and H. S. Bosland, Providence, R. I., assignors to Stein, Hall & Company, Inc., New York, N. Y. Sizing and finishing compositions. 2,385,714; Sept. 25.

Larkin, Gerald A.: See—
Larkin, L. J. and G. A., and Regan.

Larkin, Leo J. and G. A., and J. J. Regan, assignors to La Crosse Rubber Mills Company, La Crosse, Wis. Footwear vulcanizer. 2,385,628; Sept. 25.

Larson, Robert E., St. Paul, Minn. Attached filler cap. 2,385,364; Sept. 25.

Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Current collector head and trolley pole harp. 2,385,582; Sept. 25.

Lavietes, David P.: See—
Calhoun, Earl E., assignor.

Lawson, John W., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Switch. 2,385,629; Sept. 25.

Lear, Incorporated: See—
Lear, William P., assignor.

Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Piqua, Ohio. Variable drive control. 2,385,630; Sept. 25.

Legullon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Self-laying track. 2,385,453; Sept. 25.

Leide, Henry, Brooklyn, N. Y., assignor to The Brown Instrument Company, Philadelphia, Pa. Apparatus for automatically adjusting electrical networks. 2,385,454; Sept. 25.

Lessey, Samuel K., Chappagua, N. Y., assignor to The Electric Storage Battery Company. System for controlling charging of storage batteries. 2,385,455; Sept. 25.

Le Tourneau, R. G., Inc.: See—
Le Tourneau, Robert G., assignor.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau Inc., Stockton, Calif. Extensible axle assembly. 2,385,416; Sept. 25.

Levinson, Benjamin L., Great Neck, N. Y. Centrifugal casting apparatus. 2,385,631; Sept. 25.

Liebowitz, Benjamin: See—
Jacob, Ezekiel J., assignor.

Linde, Leonard J., et al.: See—
Strang, H. E., Reed, and Linde.

Line Material Company: See—
Schultz, William O., assignor.

Stelmayer, Alvin G., assignor.

Link, Karl P., assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Salicylic acid compounds for safer therapeutic use. 2,385,365; Sept. 25.

Lomax, Clarence E., and P. Bakker, Chicago, Ill., assignors to Automatic Electric Laboratories, Inc. Telephone system. 2,385,715; Sept. 25.

Lord Manufacturing Company: See—
Henshaw, Richard C., assignor.

Louthan, George R., assignor to Deere & Company, Moline, Ill. Centrifugal propelling device. 2,385,632; Sept. 25.

Lyon, James, San Diego, Calif. Beak and wing trimmer and cauterizer for fowl and the like. 2,385,633; Sept. 25.

Lysholm, Alf, Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, L. M. Merrill, and P. H. Batten, as trustees. Power plant for aircraft. 2,385,366; Sept. 25.

Mahaffey, Owen E., Memphis, Tenn. Guy line equipment for tents. 2,385,716; Sept. 25.

Makaroff, Vadim S., and N. C. Artsay, New York, N. Y. Protecting ships against underwater explosion. 2,385,417; Sept. 25.

Malloy, John J., Cleveland Heights, Ohio, assignor to General Electric Company. Base for electric lamps or similar devices. 2,385,634; Sept. 25.

Malott, William M., Lafayette, assignor to Shell Development Company, San Francisco, Calif. Lubricating system. 2,385,522; Sept. 25.

Mankowski, Charles, Portland, Ore. Fluid dispensing device. 2,385,418; Sept. 25.

Marasco, Harold E., Swampscott, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Attaching soles to shoes. 2,385,523; Sept. 25.

Marble, Jarvis C., et al., trustees: See—
Lysholm, Alf, assignor.

Marcy, Grosvenor D., Newton Highlands, assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass. Making molds. 2,385,456; Sept. 25.

Master Electric Company, The: See—
Niekamp, Richard A., assignor.

Master Machine Products: See—
Schulz, Herman, assignor.

Mattox, William J., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,385,524; Sept. 25.

Matulich, Fred A., Drytown, Calif. Hydraulic pruning tool. 2,385,419; Sept. 25.

Maurer, Le Roy F., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Antishimmy device. 2,385,635; Sept. 25.

Mayer, Elinor H., Sarasota, Fla. Folding table leg. 2,385,717; Sept. 25.

McCloy, Graham S., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigeration apparatus. 2,385,525; Sept. 25.

McGraw Colorgraph Company: See—
Ball, J. A., and Plotin.

McGraw, Max, et al.: See—
Ball, J. A., and Plotin, assignors.

McLain, William R., F. V. Miller, and E. H. Green, Huntsville, Ala. Distributing insecticides. 2,385,636; Sept. 25.

McLauchlan, Arthur B., Salem, Ore. Machine for sealing waxed paper bags. 2,385,583; Sept. 25.

McNabb, Louis A., Glenview, assignor to The Bell & Howell Company, Chicago, Ill. Heat shield for incandescent lamps. 2,385,526; Sept. 25.

Mead, Theodore E., Wilmette, Ill. Work feeding device. 2,385,521; Sept. 25.

Melster, Leo, Irvington, N. J. Apparatus for inspecting flash holes in primer tubes. 2,385,367; Sept. 25.

Menefee, Arthur B., Cumberland, Md., and H. H. Greger, Washington, D. C. Decolorizing sulphur. 2,385,527; Sept. 25.

Mengel Company, The: See—
Davis, Oliver C., assignor.

Menking, Heinz, Rocky River, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Shuttle. 2,385,718; Sept. 25.

Merrill, Leslie M., et al., trustees: See—
Lysholm, Alf, assignor.

Meyer, Walter W., Arlington Heights, assignor to Rotary Seal Company, Chicago, Ill. Seal. 2,385,420; Sept. 25.

Migridichian, Vartkes, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Amine salts of nitrated phenolic compounds and preparing the same. 2,385,719; Sept. 25.

Miller, Frank V.: See—
McLain, W. R., Miller, and Green.

Mills Engineering Company: See—
Mills, Herbert E., assignor.

Mills, Herbert E., Cleveland, Tenn., assignor, by mesne assignments, to Mills Engineering Company, Detroit, Mich. Gas burner. 2,385,628; Sept. 25.

Minneapolis-Honeywell Regulator Company: See—
Taylor, D. G., and Gille, assignors.

Mitchell, Rollie H., and T. M. Thomas, assignors to Killefer Manufacturing Corporation, Los Angeles, Calif. Disk harrow. 2,385,637; Sept. 25.

Molnar, Imre, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc. Telephone system. 2,385,720; Sept. 25.

Monroe, Rollo O., assignor to The Johnson Corporation, Three Rivers, Mich. Rotary pressure joint. 2,385,421; Sept. 25.

Monsanto Chemical Company: See—
Kosolapoff, Gennady M., assignor.

Kyrides, Lucas P., assignor.

Shumard, Roland S., assignor.

Monsanto Chemicals Limited: See—
Gardner, John A., assignor.

Montgomery, Henrietta G.: See—
Montgomery, Robert J., assignor.

Montgomery, Robert J., assignor to H. G. Montgomery, Chicago, Ill. Cable splitter. 2,385,368; Sept. 25.

Moorshead, William A., London, W. C. 2, England, assignor to The United Glass Bottle Manufacturers Limited. Glass melting furnace. 2,385,529; Sept. 25.

Morgan, John M., Houston, Tex. Power transmitting mechanism. 2,385,457; Sept. 25.

Mortell, J. W., Company: See—
Coutlee, Alex, assignor.

Motor Wheel Corporation: See—
Gardner, Arthur W., assignor.

Mueller, Fritz W. H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized silver halide emulsions. 2,385,702; Sept. 25.

Müller, Adolf: See—
Fleischhauer, R., and Müller.

Naón, Ernesto A. F. M., Buenos Aires, Argentina. Folding stool. 2,385,458; Sept. 25.

National Malleable and Steel Castings Company: See—
Shafer, James A., assignor.

Navikas, Victor A., assignor to Armstrong Cork Company, Lancaster, Pa. Zeln molding compositins and molding. 2,385,721; Sept. 25.

Navikas, Victor A., assignor to Armstrong Cork Company, Lancaster, Pa. Forming molded articles. 2,385,722; Sept. 25.

Nelson, James H., and H. Servis, assignors to The Du-more Company, Racine, Wis. Electric brake mechanism. 2,385,459; Sept. 25.

Niekamp, Richard A., assignor to The Master Electric Company, Dayton, Ohio. Shaft coupling. 2,385,369; Sept. 25.

Nineteen Hundred Corporation: See—
Geldhof, P. E., and Wooster, assignors.

Norton, Arthur J., Wells, Maine, assignor to Pennsylvania Coal Products Company, Petrolia, Pa. Production of resinous compositions. 2,385,370; Sept. 25.

Norwood, Donk, Chicago, Ill. Collarband construction for shirts. 2,385,638; Sept. 25.

O'Brien, Joseph F., Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Feed section unit for electric wiring systems. 2,385,375; Sept. 25.

Oehrli, John W., State College, Pa. Beam compass. 2,385,723; Sept. 25.

Ogle, Frank L., Liverpool, England, assignor to Imperial Chemical Industries Limited. Marine flare. 2,385,376; Sept. 25.

Ohio Brass Company, The: See—
Larsson, Ernst A., assignor.

Ohio Carbon Company, The: See—
Stoffel, Lester L., assignor.

Olsen, Marvin R.: See—
Packer, C. S., and Olsen.

Olson, Roy C., Duluth, Minn. Toy. 2,385,724; Sept. 25.

Omansky, Morris, Brookline, Mass., assignor, by mesne assignments, to Jefferson Electric Company, Bellwood, Ill. Insulating electrical apparatus. 2,385,460; Sept. 25.

Opp, Carl, Cincinnati, Ohio, assignor to Interchemical Corporation, New York, N. Y. Resin plasticizer. 2,385,377; Sept. 25.

Osterhof, Harold J., Cuyahoga Falls, and La V. E. Cheyney, assignors to Wingfoot Corporation, Akron, Ohio. Package. 2,385,531; Sept. 25.

Osterhof, Harold J.: See—
Cheyney, La V. E., and Osterhof.

Pace, John B.: See—
Parton, J. A., and Pace.

Packard Motor Car Company: See—
Warwick, Charles W., assignor.

Packer, Charles S., and Le R. O. Brown, assignors to Justrite Manufacturing Company, Chicago, Ill. Flashlight. 2,385,639; Sept. 25.

Packer, Charles S., Chicago, and M. R. Olsen, Glen Ellyn, assignors to Justrite Manufacturing Company, Chicago, Ill. Pen flashlight. 2,385,640; Sept. 25.

Pallie, Eugene, Los Angeles, assignor to General Controls Co., Glendale, Calif. Thermoelectric device. 2,385,530; Sept. 25.

Panco, George W., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Cover fastener. 2,385,461; Sept. 25.

Pangborn Corporation: See—
Potter, Percy J., assignor.

Parton, James A., Erdenheim, Pa., and J. B. Pace, assignors to Hoffman Specialty Co., Indianapolis, Ind. Straight stem vent valve. 2,385,584; Sept. 25.

Passion, Louis, et al.: See—
Konikoff, Robert H., assignor.

Patent Button Company, The: See—
Purinton, Forrest G., assignor.

Patents Promotions Corporation: See—
Stanton, Samuel J., assignor.

Pattilloch, Donald K.: See—
Fowler, G. B., and Pattilloch.

Pawelsky, Vernon R., assignor to Automatic Products Company, Milwaukee, Wis. Control for floor furnaces. 2,385,536; Sept. 25.

Paxton, Gerald C., Riverside, and E. A. Verrinder, Redlands, assignors to Food Machinery Corporation, San Jose, Calif. Stamping machine. 2,385,462; Sept. 25.

Pearson, Robert W., and L. C. Poole, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Photoelectric control system. 2,385,725; Sept. 25.

Penick, Arthur J., Houston, Tex. Gate valve assembly. 2,385,463; Sept. 25.

Pennsylvania Coal Products Company: See—
Norton, Arthur J., assignor.

Rhodes, Philip H., assignor.

Pentheny, George W., East Lansdowne, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Valve operating mechanism. 2,385,537; Sept. 25.

Peterson, Adolphe C., Minneapolis, Minn. Auxiliary autogyro means. 2,385,464; Sept. 25.

Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Automatic recording system. 2,385,641; Sept. 25.

Peterson, Harry B., Jr., Drexel Hill, Pa., assignor to The Baldwin Locomotive Works. Cab structure for Diesel engines. 2,385,642; Sept. 25.

Petro-Chem Process Company: See—
Wallis, J. S., and Throckmorton, assignors.

Petzold, Ralph, Mitchell, Nebr. Potato extruder. 2,385,538; Sept. 25.

Pezzaglia, Philip: See—
Ross, W. E., and Pezzaglia.

Phelan, Louis A. M., Beloit, Wis. Package vending machine. 2,385,465; Sept. 25.

Phillips Lampen A. G.: See—
Stettler, Oskar, assignor.

Phillips Petroleum Company: See—
Benz, George R., assignor.

Pietz, Raymond G., assignor.

Pierce, John B., Foundation: See—
O'Brien, Joseph F., assignor.

Pietz, Raymond G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Well surveying. 2,385,378; Sept. 25.

Pillsbury, Howard G., Detroit, Mich., assignor to Chamberlain Company of America. Detention window. 2,385,595; Sept. 25.

Pilon, Alfred F.: See—
Corbin, W. S., Chilson, Tolliison, Caffrey, and Pilon.

Pinsuti, Giuseppe F., New York, N. Y. Necktie. 2,385,726; Sept. 25.

Pittsburgh Equitable Meter Company: See—
Thoresen, Einar, assignor.

Place, Roland P., Midland, Mich., assignor to Roland P. Place Co. Feeding device. 2,385,643; Sept. 25.

Place, Roland P., Co.: See—
Place, Roland P., assignor.

Platz, Elwood T., assignor to Bulldog Electric Products Company, Detroit, Mich. Switch. 2,385,727; Sept. 25.

Plotin, Lawrence: See—
Ball, J. A., and Plotin.

Polk, Louis F., assignor to The Sheffield Corporation, Dayton, Ohio. Machine tool. 2,385,644; Sept. 25.

Pollock, Samuel W.: See—
Whipple, L. V., and Pollock.

Polly, Orville L., Long Beach, and A. C. Byrons, Palos Verdes Estates, assignors to Union Oil Company of California, Los Angeles, Calif. Solvent extraction of mineral oils. 2,385,645; Sept. 25.

Poole, Lloyd C.: See—
Pearson, R. W., and Poole.

Poppe, George W., Brooklyn, assignor to Equitable Paper Bag Co., Inc., Long Island City, N. Y. Making album bags. 2,385,646; Sept. 25.

Poppe, George W., Brooklyn, assignor to Equitable Paper Bag Co., Inc., Long Island City, N. Y. Bag. 2,385,647; Sept. 25.

Potter, Percy J., assignor to Pangborn Corporation, Hagerstown, Md. Abrading apparatus. 2,385,728; Sept. 25.

Powell, Arthur, Montclair, N. J. Shirt. 2,385,729; Sept. 25.

Pownall, George L., Columbus, Ohio. Automatic ice freezing unit and method. 2,385,539; Sept. 25.

Prager, Martin, Irvington, N. J. Double container. 2,385,648; Sept. 25.

Prideaux, Gwilym F., Cleveland Heights, Ohio, assignor to General Electric Company. Firearm sight. 2,385,649; Sept. 25.

Proulx, Leonard E., Arlington, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for shaping uppers over lasts. 2,385,466; Sept. 25.

Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Plastic button. 2,385,467; Sept. 25.

Radio Corporation of America: See—
Badmaieff, Alexis, assignor.

Beers, George L., assignor.

Peterson, Harold O., assignor.

Underhill, Joseph L., assignor.

Raffold Process Corporation: See—
Rafton, Harold R., assignor.

Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Manufacture of pigments and products made therewith. 2,385,379; Sept. 25.

Rasmussen, Olaf, Sidney, Ohio, assignor to General Motors Corporation, Detroit, Mich. Brake. 2,385,540; Sept. 25.

Ratchford, Harry L., Williamsport, and H. Smithgall, Jr., Montoursville, assignors to Sylvania Electric Products Inc., Emporium, Pa. Electrode support and contracting means. 2,385,380; Sept. 25.

Ray-O-Vac Company: See—
Briggs, Leland G., assignor.

Read, James G., New Smyrna Beach, Fla. Centrifugal pump. 2,385,730; Sept. 25.

Reckmeyer, Verne H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic developers. 2,385,763; Sept. 25.

Records, Elmer H., Tacoma, Wash. Retort. 2,385,731; Sept. 25.

Redding, William H., Philadelphia, Pa. Barometer interpreter. 2,385,732; Sept. 25.

Reed, George M., et al.: See—
Strang, H. E., Reed, and Linde.

Regan, John J.: See—
Larkin, L. J. and G. A., and Regan.

Reid, Ebenezer E., Baltimore, Md., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Monoalkyl ethers of diethylstilbestrol. 2,385,468; Sept. 25.

Research Corporation: See—
Vonnegut, Bernard, assignor.

Revere Copper and Brass Incorporated: See—
Bunn, Edward S., assignor.

Rhodes, Philip H., Portland, Maine, assignor to Pennsylvania Coal Products Company, Petrolia, Pa. Abrasive article and manufacturing the same. 2,385,371; Sept. 25.

Rhodes, Philip H., Portland, Maine, assignor to Pennsylvania Coal Products Company, Petrolia, Pa. Production of resin. 2,385,372; Sept. 25.

Rhodes, Philip H., Portland, Maine, assignor to Pennsylvania Coal Products Company, Petrolia, Pa. Producing a resin and product derived therefrom. 2,385,373; Sept. 25.

Rhodes, Philip H., Portland, Maine, assignor to Pennsylvania Coal Products Company, Petrolia, Pa. Aqueous bonding composition. 2,385,374; Sept. 25.

Rice, Rienzi, Worcester, Mass., assignor to Harrington & Richardson Arms Company. Revolver. 2,385,422; Sept. 25.

Rickenmann, Alfred, Kusnacht, Zurich, Switzerland. Process and machine for grinding toothed gears. 2,385,650; Sept. 25.
 Ricketts, James R., Yountville, Calif. Cigarette holder or pipestem. 2,385,651; Sept. 25.
 Rifle, William V., Chicago, Ill. Heating apparatus. 2,385,652; Sept. 25.
 Rian, Irwin C., Chicago, Ill. Film mount and the like. 2,385,641; Sept. 25.
 Rippling, Edward V., assignor to General Motors Corporation, Detroit, Mich. Assembling radiators. 2,385,542; Sept. 25.
 Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Making record. 2,385,653; Sept. 25.
 Rock-Ola Manufacturing Corporation: See—
 Rockola, David C., assignor.
 Rogers, Allan B., Sr.: See—
 Burton, E. F., and Rogers.
 Röhm & Haas Company: See—
 Bartoe, W. F., and Speck, assignors.
 Spence, Le Roy U., assignor.
 Spence, Le Roy U., Butterbaugh, and Kroeker, assignors.
 Spence, Le Roy U., and Haas, assignors.
 Ronson Art Metal Works, Inc.: See—
 Evans, Fred, assignor.
 Ross, Chandler C.: See—
 Gilman, J. N., and Ross.
 Ross, William E., Berkeley, and P. Pezzaglia, Oakland, assignors to Shell Development Company, San Francisco, Calif. Cycloparaffin production. 2,385,543; Sept. 25.
 Rotary Seal Company: See—
 Meyer, Walter W., assignor.
 Rotax Limited: See—
 Baines, John A., assignor.
 Rucker, John T.: See—
 Sconce, J. S., Rucker, Whitmire, and Schoonover.
 Rudy, Hermann, and R. Watzel, Mannheim, Germany: vested in the Allen Property Custodian. Condensation of phenols with sulphite waste liquor. 2,385,586; Sept. 25.
 Russell, Leslie W., assignor to Solar Aircraft Company, San Diego, Calif. Nibbler. 2,385,587; Sept. 25.
 Safety-Fuel Incorporated: See—
 Laiberte, Albert J., assignor.
 Salisbury, Leonard B., La Crescenta, Calif. Molding device. 2,385,544; Sept. 25.
 Salley, Donovan J., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Production of acrylonitrile. 2,385,469; Sept. 25.
 Salley, Donovan J., Stamford, C. W. Bradley, Old Greenwich, and H. S. Davis, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Production of acrylonitrile. 2,385,470; Sept. 25.
 Samiran, David, Osborn, Ohio. Safety locking device. 2,385,381; Sept. 25.
 Samiran, David, Osborn, Ohio. Safety device for gasoline or oil gauges. 2,385,382; Sept. 25.
 Scharer, Harry, Brooklyn, N. Y. Colorimetric method for testing for available chlorine. 2,385,471; Sept. 25.
 Schildhauer, Walter E.: See—
 Hedlger, E., and Schildhauer.
 Schmelkes, Franz C., Montclair, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Monoalkyl ethers of hexestrol and producing same. 2,385,472; Sept. 25.
 Schmieder, William, Ridgewood, assignor to A. J. Heidt, New York, N. Y. Safety lamp guard. 2,385,655; Sept. 25.
 Schneebalg, Olga, et al.: See—
 Konikoff, Robert H., assignor.
 Schneider, Eugene S., Los Angeles, Calif. Coat hanger. 2,385,588; Sept. 25.
 Schoonover, William R.: See—
 Sconce, J. S., Rucker, Whitmire, and Schoonover.
 Schröder, Paul W., Covington, Ky. Control valve for work ejectors. 2,385,733; Sept. 25.
 Schroy, Paul C., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing melamine resin and product thereof. 2,385,383; Sept. 25.
 Schroy, Paul C., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Heat-treated asbestos filled molding composition. 2,385,384; Sept. 25.
 Schultz, William O., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Fuse cutout. 2,385,473; Sept. 25.
 Schulz, Herman, assignor to R. H. Schulz, doing business as Master Machine Products, Chicago, Ill. Deburring machine. 2,385,474; Sept. 25.
 Schulz, Rudolph H.: See—
 Schulz, Herman, assignor.
 Sconce, James S., J. T. Rucker, S. E. Whitmire, and W. R. Schoonover, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Production of chlorinated aliphatic hydrocarbons. 2,385,475; Sept. 25.
 Scott, Lawrence O.: See—
 Haya, F. E., and Scott.
 Scott Paper Company: See—
 Corbin, W. S., Chilson, Tollison, Caffrey, and Pilon, assignors.

Sears, Roebuck and Co.: See—
 Dady, Arthur O., assignor.
 Seashore, Gunnar F., Minneapolis, Minn. Wrench. 2,385,654; Sept. 25.
 Servis, Hoyt: See—
 Nelson, J. H., and Servis.
 Seymour, George W., and W. Brooks, Cumberland, Md., assignors to Celanese Corporation of America. Treatment of textile materials. 2,385,423; Sept. 25.
 Seymour, Wray S.: See—
 Silva, F. G., and Seymour.
 Shafer, James A., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car truck. 2,385,476; Sept. 25.
 Sheffield Corporation, The: See—
 Polk, Louis F., assignor.
 Shell Development Company: See—
 Bailey, William A., Jr., assignor.
 Malott, William M., assignor.
 Ross, W. E., and Pezzaglia, assignors.
 Voge, Harvey H., assignor.
 Wolff, Harold I., assignor.
 Wright, Kenneth A., assignor.
 Shellmar Products Company: See—
 Gurwick, Irving, assignor.
 Shepler, Leonard C., Peoria, Ill. Valve reseating tool. 2,385,589; Sept. 25.
 Shively, Roy H.: See—
 Freeman, L. T., and Shively.
 Shue, Clyde L., Coronado, Calif., and F. J. Allgeo, Reno, Nev. Level. 2,385,424; Sept. 25.
 Shumard, Roland S., assignor to Monsanto Chemical Company, St. Louis, Mo. Sap-stain control. 2,385,764; Sept. 25.
 Shutt, Richard S.: See—
 Clark, A., and Shutt.
 Sigmund Corporation: See—
 Sigmund, F. J., and Hlavin, assignors.
 Sigmund, Frank J., and W. S. Hlavin, Cleveland, Ohio, assignors, by mesne assignments, to Sigmund Corporation. Liquid-tight stator. 2,385,385; Sept. 25.
 Silva, Frederick G., and W. S. Seymour, assignors to Davenport Machine Tool Co., Inc., Rochester, N. Y. Clutch operating means. 2,385,734; Sept. 25.
 Simpson, John K., assignor to Automotive Products Company Limited, Leamington Spa, Warwick, England. Hydraulic vibration damper. 2,385,545; Sept. 25.
 Sinclair Refining Company: See—
 Teter, John W., assignor.
 Skelton, Charles E., Syracuse, N. Y. Milling head attachment for metalworking machines. 2,385,735; Sept. 25.
 Slezak, John, assignor to Turner Brass Works, Sycamore, Ill. Pipe connection. 2,385,425; Sept. 25.
 Smaller War Plants Corporation: See—
 Horman, John H., assignor.
 Smith, A. O., Corporation: See—
 Koppel, Ernst R., assignor.
 Smith, Clyde E., Warren, Ohio, and C. B. Stadum, Wilkesburg, assignors to Westinghouse Electric Corporation, Pittsburgh, Pa. Capacitor charging and discharging control. 2,385,736; Sept. 25.
 Smith, Everett F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Continuous process for the preparation of acetylenic alcohols. 2,385,546; Sept. 25.
 Smith, Everett F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparation of acetylenic alcohols. 2,385,547; Sept. 25.
 Smith, Everett F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparation of acetylenic alcohols. 2,385,548; Sept. 25.
 Smith, Herschel G., Wallingford, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Block grease testing apparatus. 2,385,656; Sept. 25.
 Smith, St. Clair, Stamford, Conn. Textile printing composition. 2,385,737; Sept. 25.
 Smithgall, Harry, Jr.: See—
 Hatchford, H. L., and Smithgall.
 Socony-Vacuum Oil Company, Incorporated: See—
 Grimble, Robert W., assignor.
 Horton, Aaron W., assignor.
 Solar Aircraft Company: See—
 Russell, Leslie W., assignor.
 Southern States Equipment Corporation: See—
 Gussow, William A., assignor.
 Spagnoli, Paul, San Francisco, Calif. Mattress wrapping machine. 2,385,477; Sept. 25.
 Speck, Walter R.: See—
 Bartoe, W. F., and Speck.
 Spence, Le Roy U., Elkins Park, assignor to Röhm & Haas Company, Philadelphia, Pa. Production of acrylonitrile. 2,385,549; Sept. 25.
 Spence, Le Roy U., Elkins Park, assignor to Röhm & Haas Company, Philadelphia, Pa. Production of unsaturated nitriles. 2,385,550; Sept. 25.
 Spence, Le Roy U., Elkins Park, D. J. Butterbaugh, Philadelphia, and E. H. Kroeker, Cheltenham, assignors to Röhm & Haas Company, Philadelphia, Pa. Preparation of acrylonitrile. 2,385,551; Sept. 25.

Spence, Le Roy U., Elkins Park, and F. O. Haas, Villanova, assignors to Röhm & Haas Company, Philadelphia, Pa. Dehydrogenation of aliphatic nitriles. 2,385,552; Sept. 25.
 Sperry Gyroscope Company, Inc.: See—
 Braddon, Frederick D., assignor.
 Chafee, Earl W., assignor.
 Splaine, Edward M.: See—
 Cozzens, C. O., and Splaine.
 Stadum, Clarence B.: See—
 Smith, C. E., and Stadum.
 Stahley, Grant L., Columbus, Ohio, and W. W. Carlson, Pittsburgh, Pa., assignors to Chemical Developments Corporation, Dayton, Ohio. Soluble benzyl ether of dextran. 2,385,553; Sept. 25.
 Standard Aircraft Products, Inc.: See—
 Blair, Emile, assignor.
 Standard Oil Company, The: See—
 Burk, Robert E., assignor.
 Stanton, Samuel J., assignor to Patents Promotions Corporation, Chicago, Ill. Cam hinge combination. 2,385,738; Sept. 25.
 Starkweather, Howard W., New Castle County, Del., and F. N. Wilder, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Molding composition comprising very plastic polymers of chloroprene and the like. 2,385,739; Sept. 25.
 Stein, Hall & Company, Inc.: See—
 La Piana, F. G., and Bosland, assignors.
 Stelmayer, Alwin G., assignor to Line Material Company, Milwaukee, Wis. Lamp adapter and receptacle. 2,385,478; Sept. 25.
 Sterling Tool Products Company: See—
 Crosby, Stephen A., assignor.
 Stettler, Oskar, assignor to Philips Lampen A.-G., Zurich, Switzerland. Electrical remote control. 2,385,657; Sept. 25.
 Stoffel, Lester L., Lakewood, assignor to The Ohio Carbon Company, Cleveland, Ohio. Making resistors. 2,385,386; Sept. 25.
 Stowe, Stephen C.: See—
 Hooker, G. W., Stowe, and Drake.
 Strang, Harold E., Ardmore, G. M. Reed, Upper Darby, and L. J. Linde, Drexel Hill, Pa., assignors to General Electric Company. Circuit-interrupting device. 2,385,658; Sept. 25.
 Stratton, Michael G., Weston, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Manufacture of footwear. 2,385,554; Sept. 25.
 Strosser, Bush, Ashland, Ky. Door or gate closer. 2,385,590; Sept. 25.
 Sturtevant, Paul A., Elmhurst, Ill. Force transmitting measuring mechanism. 2,385,591; Sept. 25.
 Sullivan Machinery Company: See—
 Curtis, John C., assignor.
 Sun Oil Company: See—
 Vose, Richard S., assignor.
 Sutherland Paper Company: See—
 Buttery, Kenneth T., assignor.
 Sylvania Electric Products Inc.: See—
 Baxter, Clement T., assignor.
 Carnahan, Chalton W., assignor.
 Hatchford, H. L., and Smithgall, assignors.
 Taylor, Daniel G., Minneapolis, and W. H. Gille, St. Paul, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Burner control system. 2,385,426; Sept. 25.
 Taylor, Galen M., U. S. Army, Cooper, Tex. Apparatus for loading guns. 2,385,387; Sept. 25.
 Teagle, William T., Blackwater, Saint Agnes, England. Machine for planting potatoes. 2,385,740; Sept. 25.
 Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Nitration of hydrocarbons. 2,385,741; Sept. 25.
 Thomas, Thomas M.: See—
 Mitchell, R. H., and Thomas.
 Thomas, William D., Jr.: See—
 Cook, E. W., and Thomas.
 Thomson, John, Paisley, Scotland. Decorticating of flax and other bast fibers. 2,385,427; Sept. 25.
 Thoresen, Einar, assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Bearing seal. 2,385,388; Sept. 25.
 Throckmorton, John W.: See—
 Wallis, J. S., and Throckmorton.
 Thurston, Jack T., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Textile finishing. 2,385,765; Sept. 25.
 Thurston, Jack T., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Guanamines in textile finishing. 2,385,766; Sept. 25.
 Toepper, George, and J. F. Farrar, assignors to Chicago Metal Hose Corporation, Maywood, Ill. Tubing construction. 2,385,389; Sept. 25.
 Tollison, Paul L.: See—
 Corbin, W. S., Wesley, Chilson, Tollison, Caffrey, and Pilon.
 Tolliver, Arthur S. A., Tuskegee, Ala. Embalming apparatus. 2,385,428; Sept. 25.
 Tornberg, Isidor, assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Web accelerating mechanism. 2,385,659; Sept. 25.

Transportation Specialties Co.: See—
 Johnston, Charles S., assignor.
 Tripp, Chester D., Chicago, Ill. Lock nut. 2,385,390; Sept. 25.
 Tritt, Norman H., Akron, Ohio. Landing gear for aircraft. 2,385,742; Sept. 25.
 Truby, William I., Cleveland Heights, Ohio. Locking wrench. 2,385,660; Sept. 25.
 Tuff-Hard Corporation: See—
 Endress, Frederick A., assignor.
 Turner Brass Works: See—
 Slezak, John, assignor.
 Tyler Laboratories, Incorporated: See—
 Witte, Paul J., assignor.
 Tyler, W. S., Company, The: See—
 Brown, H. E., and Grant, assignors.
 Underhill, Joseph L., Indianapolis, Ind., assignor to Radio Corporation of America. Film reel spindle. 2,385,479; Sept. 25.
 Underwood, James E., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Sealing machine. 2,385,429; Sept. 25.
 Union Oil Company of California: See—
 Flaxman, Marcellus T., assignor.
 Huffman, Hal C., assignor.
 Polly, O. L., and Byrns, assignors.
 Union Switch & Signal Company, The: See—
 Baughman, George W., assignor.
 Bone, Herbert L., assignor.
 Union Trust Company of Pittsburgh, The, et al., executors: See—
 Hommel, Oscar.
 United Glass Bottle Manufacturers Limited: See—
 Moorshead, William A., assignor.
 United Shoe Machinery Corporation: See—
 Duplessis, René E., assignor.
 Holmgren, Eric A., assignor.
 Proulx, Leonard E., assignor.
 Winkley, Erastus E., assignor.
 United States Gypsum Company: See—
 Wise, John K., assignor.
 Universal Oil Products Company: See—
 Gerhold, Clarence G., assignor.
 Mattox, William J., assignor.
 Vaala, Gordon T., Wilmington, Del., and R. B. Carlin, Champaign, Ill., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymers from dioxane. 2,385,661; Sept. 25.
 Valsey, Samuel B., assignor of one-half to R. A. Bristol, Rochester, N. Y. Shoe. 2,385,743; Sept. 25.
 Van Buren, Charles J., assignor of one-half to J. E. Cameron, Fort Lauderdale, Fla. Venetian blind. 2,385,391; Sept. 25.
 Van Dusen, Laurence W., Tucson, Ariz. Crewless glider. 2,385,392; Sept. 25.
 Verrinder, Ernest A.: See—
 Paxton, G. C., and Verrinder.
 Vickery, John R., Jr., Glen Rock, Pa., assignor to American Machine & Foundry Company. Pan greaser. 2,385,744; Sept. 25.
 Voge, Hervey H., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Cyclohexene production. 2,385,555; Sept. 25.
 Vogt, Joseph F., New Orleans, La. Cyclone separator. 2,385,745; Sept. 25.
 Voigt, George F., Jefferson, Ind. Nutcracker. 2,385,556; Sept. 25.
 Von Dänken, Lena, Schaffhausen, and J. Geisser, Luzern, Switzerland. Device for defining the base lines on the human body for taking the measure. 2,385,746; Sept. 25.
 Von Freyberg, Hans, and H. Koch, Frankfurt-on-the-Main, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Polymethine dyestuffs and preparing them. 2,385,747; Sept. 25.
 Vonnegut, Bernard, Boston, Mass., assignor to Research Corporation, New York, N. Y. Deicing means. 2,385,662; Sept. 25.
 Von Zelewsky, Ottomar, Neuhausen, and K. Künzi, assignors to Aktiengesellschaft der Eisen- und Stahlwerke vormals Georg Fischer, Schaffhausen, Switzerland. Lathe for profiling hollow bodies. 2,385,430; Sept. 25.
 Vose, Richard S., Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Refining of hydrocarbon oil with metallic sodium. 2,385,431; Sept. 25.
 Wade, Elmer J., Pittsfield, Mass., assignor to General Electric Company. Protective device. 2,385,663; Sept. 25.
 Wagner, Gustave H.: See—
 Wagner, Harold A., and G. H.
 Wagner, Harold H., Cincinnati, Ohio, assignor to The W. J. Fitzpatrick Company, Chicago, Ill. Triturating machine. 2,385,767; Sept. 25.
 Wagner, Harold A., and G. H., Portland, Ore. Vehicle mounted tower. 2,385,748; Sept. 25.
 Walker, Benjamin H., Port Richmond, Staten Island, N. Y. Detachable heel lift. 2,385,592; Sept. 25.
 Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Speed governor. 2,385,432; Sept. 25.

LIST OF PATENTEEES

Wallace & Tiernan Products, Inc.: See—
Reid, Ebenezer E., assignor.
Schmelkes, Franz C., assignor.
Wallace, Charles F., assignor.
Wallis, John S., Darien, and J. W. Throckmorton, Wilton, Conn., assignors to Petro-Chem Process Company, Incorporated, New York, N. Y. Heater. 2,385,749; Sept. 25.
Walter, Jules G.: See—
Cohn, S. and J., and Walter.
Ward, George C., Ventura, Calif. Light visor. 2,385,557; Sept. 25.
Warner, Donald F., Swampscott, Mass., assignor to General Electric Company. Cabin supercharger arrangements. 2,385,664; Sept. 25.
Warwick, Charles W., assignor to Packard Motor Car Company, Detroit, Mich. Electrical device. 2,385,665; Sept. 25.
Watrowski, Raymond J., Scotia, N. Y., assignor to General Electric Company. Crystal mounting. 2,385,666; Sept. 25.
Watzel, Rudolf: See—
Rudy, H., and Watzel.
Webb, John K., London, W. C. 2, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric power cable. 2,385,558; Sept. 25.
Webber, Robert C., Indianapolis, Ind. Refrigerating system. 2,385,667; Sept. 25.
Webber, Thomas G.: See—
Carter, A. S., and Webber.
Weber, Victor, assignor to American Thermometer Company, St. Louis, Mo. Thermostat. 2,385,433; Sept. 25.
Weber, Victor, Greensburg, Pa., assignor to American Thermometer Company, St. Louis, Mo. Temperature regulating device for heating appliances. 2,385,434; Sept. 25.
Webster, Sidney H., Ridgefield Park, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Military vehicle. 2,385,480; Sept. 25.
Weddell, Ralph E., Rochester, N. Y. Metal removing tool. 2,385,750; Sept. 25.
Weinberg, Doris, et al.: See—
Konikoff, Robert H., assignor.
Wenner, Robert E.: See—
Elsman, R. J., and Wenner.
Wenthe-Davidson Engineering Co.: See—
Wenthe, William, assignor.
Wenthe, William, assignor to Wenthe-Davidson Engineering Co., Milwaukee, Wis. Service truck. 2,385,559; Sept. 25.
Werner, Leo C., Bloomfield, and W. A. Laning, Glen Ridge, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,385,435; Sept. 25.
Westinghouse Electric Corporation: See—
Blackburn, Philip W., assignor.
McCloy, Graham S., assignor.
Pearson, R. W., and Poole, assignors.
Penhney, George W., assignor.
Smith, C. E., and Stadum, assignors.
Werner, L. C., and Laning, assignors.
Weston, Herbert, New York, N. Y.; vested in the Alien Property Custodian. Accounting and filing system. 2,385,593; Sept. 25.
Whipple, Leon V., Floral Park, and S. W. Pollock, Brooklyn, N. Y., assignors to American Machine and Foundry Company. Package sealing strip applying mechanism. 2,385,751; Sept. 25.
White, Charles H., assignor to Deere & Company, Moline, Ill. Planter. 2,385,668; Sept. 25.

Whiting, Max A., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,385,669; Sept. 25.
Whiting, Max A., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,385,670; Sept. 25.
Whiting, Max A., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,385,671; Sept. 25.
Whitmire, Stuart E.: See—
Sconce, J. S., Rucker, Whitmire, and Schoonover.
Wilder, Frank N.: See—
Starkweather, H. W., and Wilder.
Williamson, H. H.: See—
Johnson, Charles S., assignor.
Wills, Walter P., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and controlling apparatus. 2,385,481; Sept. 25.
Wilson, Florus E., Dayton, Ohio. Crankcase flusher. 2,385,393; Sept. 25.
Wilson, John E., Watsontown, Pa. Substitute for tin horns. 2,385,752; Sept. 25.
Wingfoot Corporation: See—
Cheyney, La V. E., and Osterhof, assignors.
Osterhof, H. J., and Cheyney, assignors.
Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Heel breasting machine. 2,385,482; Sept. 25.
Wisconsin Alumni Research Foundation: See—
Link, Karl P., assignor.
Wise, John K., assignor to United States Gypsum Company, Chicago, Ill. Testing a pigment. 2,385,560; Sept. 25.
Witte, Paul J., New York, assignor to Tyler Laboratories, Incorporated, Brooklyn, N. Y. Solid iodine compositions and producing the same. 2,385,394; Sept. 25.
Witte, William F., Jr., Omaha, Nebr. Utensil cover. 2,385,594; Sept. 25.
Wittlinger, Leonard M., Flint, Mich., and W. S. Brian, Owensboro, Ky., assignors to General Motors Corporation, Detroit, Mich. Mercury arc device. 2,385,561; Sept. 25.
Woltschek, Arno, Porz, near Cologne, Germany; vested in the Alien Property Custodian. Method of and device for producing sound band matrices. 2,385,595; Sept. 25.
Wolf, Harold I., assignor to Shell Development Company, San Francisco, Calif. Recovery and purification of iodine. 2,385,483; Sept. 25.
Wood-Newspaper Machinery Corporation: See—
Tornberg, Isidor, assignor.
Woodcock, Herbert E., Hawick, Scotland, assignor to William Cotton, Limited, Loughborough, Leicestershire, England. Machine for knitting hosiery. 2,385,672; Sept. 25.
Woodworth, John L., Schenectady, N. Y., assignor to General Electric Company. Carrier current system. 2,385,673; Sept. 25.
Wooster, Vernon J.: See—
Geldhof, P. E., and Wooster.
Wormell, Robert L., Coventry, and C. L. Knight, Rugby, assignors to Courtaulds Limited, London, England. Manufacture and production of artificial threads, filaments, and the like. 2,385,674; Sept. 25.
Wright, Kenneth A., Oakland, assignor to Shell Development Company, San Francisco, Calif. Production of diolefins. 2,385,484; Sept. 25.
Yager, Louis, and J. W. Cummings, New York, N. Y. Coupling assembly. 2,385,596; Sept. 25.
Young, Melvin C., Springfield, Ill. Hydraulic roller-bearing directional pressure wedge. 2,385,753; Sept. 25.
Zion, Forest L.: See—
Fausset, E. R., and Zion.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF SEPTEMBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Air conditioning apparatus. A. S. Feinberg. Re. 22,675; Sept. 25. Shoe machinery. C. L. Logemann. Re. 22,676; Sept. 25.

LIST OF DESIGN INVENTIONS

Automobile. E. C. Wells, D. J. Euler, and N. A. Collins. 142,455-7; Sept. 25.
Barbecue or similar article, Portable. G. W. Jones. 142,417-18; Sept. 25.
Board or similar article, Game. J. C. Pratt. 142,440; Sept. 25.
Bracelet or similar article. H. M. Hartley. 142,414; Sept. 25.
Brooch or similar article. A. Katz. 142,420-3; Sept. 25.
Cabinet or similar article, Refrigerator. T. R. Smith. 142,446; Sept. 25.
Calendar, Perpetual. M. J. Lewis. 142,431; Sept. 25.
Cap, Container. P. A. Derham. 142,376; Sept. 25.
Card, Playing. M. C. Meyer. 142,436; Sept. 25.
Case or similar article, Cigarette. M. B. Toklas. 142,449-51; Sept. 25.
Chair or similar article. B. R. Weill. 142,458; Sept. 25.
Clasp, Earring. G. E. Carson. 142,373; Sept. 25.
Cleaner, Vacuum. G. W. Walker. 142,463; Sept. 25.
Closure for salt cellars and the like, Dispensing. A. Hammerstein. 142,410; Sept. 25.
Cloth plate for a sewing machine. N. Knaus. 142,426; Sept. 25.
Container for cooking utensils, food or the like. R. L. Holland and W. F. Nessen. 142,415; Sept. 25.
Control plate, Fitting carrying pipe line. L. S. Hamer. 142,408-9; Sept. 25.
Dispenser or the like, Cigarette. M. B. Toklas. 142,448; Sept. 25.
Dress. Z. Golden. 142,397-400; Sept. 25.
Dress. Z. Golden. 142,402-3; Sept. 25.
Dress. F. Greenburg. 142,405-6; Sept. 25.
Dress. J. Walker. 142,454; Sept. 25.
Dress. S. Zahn. 142,438; Sept. 25.
Dress. S. Zahn. 142,460; Sept. 25.
Earring or similar article. A. Katz. 142,419; Sept. 25.
Frame for a handbag. C. W. Hardy. 142,413; Sept. 25.
Handbag. F. H. Rath. 142,441-2; Sept. 25.
Hat banding or the like. B. Beckhoff. 142,369; Sept. 25.
Hinge. F. Brown. 142,372; Sept. 25.
Holder, Candle. R. A. Ajello. 142,368; Sept. 25.
Holder, Match box. F. H. Lewis. 142,430; Sept. 25.
Hydrometer or the like. L. Edelmann. 142,380; Sept. 25.
Jar or the like, Hydrometer. L. Edelmann. 142,379; Sept. 25.
Lamp fixture, Fluorescent. P. J. Lapore. 142,429; Sept. 25.
Lamp standard. E. H. Greppin. 142,407; Sept. 25.
Lathe. E. J. Lomazzo. 142,433; Sept. 25.
Lay figure. A. L. Westerman. 142,459; Sept. 25.
Lens or similar article. G. M. Cressaty. 142,375; Sept. 25.
Lighters for cigars, cigarettes, and the like. J. N. Robins. 142,443; Sept. 25.
Maintenance machine, Floor. W. E. Holt. 142,416; Sept. 25.
Mat or similar article, Place. K. C. Hamilton. 142,411-12; Sept. 25.
Meter, Light. E. J. Nicholson. 142,439; Sept. 25.
Pen, Desk. H. K. Stempel. 142,391; Sept. 25.
Pen, Fountain. N. D. Fish and L. P. Martin. 142,382; Sept. 25.
Pen, Fountain. L. P. Martin. 142,384; Sept. 25.
Pen, Fountain. W. K. Olson. 142,388-9; Sept. 25.
Pen, Fountain. W. K. Olson and L. P. Martin. 142,390; Sept. 25.
Pen or the like, Fountain. F. F. Boyle. 142,392; Sept. 25.
Pen or the like, Fountain. N. D. Fish and L. P. Martin. 142,381; Sept. 25.
Pen or the like, Fountain. L. P. Martin. 142,383; Sept. 25.
Pen or the like, Fountain. W. K. Olson. 142,386-7; Sept. 25.
Rack, Shop shining. C. P. Bieger. 142,370; Sept. 25.
Receptacle, Garbage. E. F. Kautz. 142,424; Sept. 25.
Separator, Bench cream. R. W. Muerle. 142,437; Sept. 25.
Sewing machine or the like, Button. W. T. Maxant. 142,435; Sept. 25.
Shaker or similar article, Salt. E. G. Cobelli and D. N. McDougal. 142,374; Sept. 25.
Shoe, Bowling. J. A. Scheps. 142,444; Sept. 25.
Shoe, Sandal type. N. J. Lissak and J. E. Lucey. 142,432; Sept. 25.
Sprinkler head base. J. R. Goggins. 142,401; Sept. 25.
Stand unit, Fountain pen. W. K. Olson. 142,385; Sept. 25.
Strap, Wrist watch. A. Greenberg. 142,404; Sept. 25.
Surface treating machine. L. Vavrik. 142,452; Sept. 25.
Swatter or similar article, Fly. G. W. Lambert. 142,428; Sept. 25.
Table. J. E. Lundy. 142,434; Sept. 25.
Tablecloth or similar article. M. Stein. 142,447; Sept. 25.
Thermohydrometer or the like. L. Edelmann. 142,378; Sept. 25.
Toy ball. R. L. Fisk and A. Abicht. 142,393-5; Sept. 25.
Toy cannon. D. C. La Barre. 142,427; Sept. 25.
Toy, Climbing. E. L. Scott. 142,445; Sept. 25.
Toy, Wheeled. R. C. Flynt. 142,396; Sept. 25.
Tray, Ash. S. D. Klyce. 142,425; Sept. 25.
Watch, Wrist. I. Bloch. 142,371; Sept. 25.
Welder, Electric arc. U. S. Dunn. 142,377; Sept. 25.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF SEPTEMBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading apparatus. P. J. Potter. 2,385,728; Sept. 25.
Abrasive article and manufacturing the same. P. H. Rhodes. 2,385,371; Sept. 25.
Accelerating mechanism. Web. I. Tornberg. 2,385,659; Sept. 25.
Accelerators. Rubber vulcanization. R. T. Dean. 2,385,335; Sept. 25.
Accessory fixture. Electric outlet. A. Fleckenstein. 2,385,620; Sept. 25.
Accounting and filing system. H. Weston. 2,385,593; Sept. 25.
Acetylenic alcohols. Preparation of. E. F. Smith. 2,385,547-8; Sept. 25.
Acid compounds for safer therapeutic use. Salicylic. K. P. Link. 2,385,365; Sept. 25.
Acids from butyrolactone. Production of succinic and maleic. R. M. Isham. 2,385,518; Sept. 25.
Acrylonitrile. Preparation of. Le R. U. Spence. D. J. Butterbaugh, and E. H. Kroeker. 2,385,551; Sept. 25.
Acrylonitrile. Production of. D. J. Salley. 2,385,469; Sept. 25.
Acrylonitrile. Production of. D. J. Salley, C. W. Bradley, and H. S. Davis. 2,385,470; Sept. 25.
Acrylonitrile. Production of. Le R. U. Spence. 2,385,549; Sept. 25.
Aircraft. H. L. Bowers. 2,385,493; Sept. 25.
Alloy. See—
Magnesium base alloy. Zinc base alloy.
Amidophosphates. G. M. Kosolapoff. 2,385,713; Sept. 25.
Amine salts of nitrated phenolic compounds and preparing the same. V. Migrdichian. 2,385,719; Sept. 25.
Amines from iron sludge. Separation of aromatic. J. P. Goulding. 2,385,504; Sept. 25.
Aminopyrimidines. Production of. L. P. Kyrides. 2,385,761; Sept. 25.
Antifriction bearing. S. A. Crosby. 2,385,404; Sept. 25.
Antishimmy device. Le R. F. Maurer. 2,385,635; Sept. 25.
Apparatus for automatically adjusting electrical networks. H. Lehde. 2,385,454; Sept. 25.
Apparatus for averaging materials. A. J. Boynton. 2,385,494; Sept. 25.
Apparatus for forming integral finned tubing. G. E. Clifford. 2,385,498; Sept. 25.
Apparatus for inspecting flash holes in primer tubes. L. Meister. 2,385,367; Sept. 25.
Apparatus for loading guns. G. M. Taylor. 2,385,387; Sept. 25.
Apparatus for spreading tubular fabrics. S. and J. Cohn and J. G. Walter. 2,385,402; Sept. 25.
Apparatus for welding. H. Kershaw. 2,385,710; Sept. 25.
Applicator. Electrically heated. A. Fevas. 2,385,501; Sept. 25.
Artificial threads, filaments, and the like. Manufacture and production of. R. L. Wormell and C. L. Knight. 2,385,674; Sept. 25.
Attached filler cap. R. E. Larson. 2,385,364; Sept. 25.
Autocollimating device. W. S. Brian. 2,385,495; Sept. 25.
Automatic ice freezing unit and method. G. L. Pownall. 2,385,539; Sept. 25.
Automatic recording system. H. O. Peterson. 2,385,641; Sept. 25.
Auxiliary autogyro means. A. C. Peterson. 2,385,464; Sept. 25.
Auxiliary electrode support. I. Hakki. 2,385,440; Sept. 25.
Axle assembly. Extensible. R. G. Le Tourneau. 2,385,416; Sept. 25.
Bag. G. W. Poppe. 2,385,647; Sept. 25.
Bag closing machine. H. G. Allen. 2,385,598; Sept. 25.
Bags. Making album. G. W. Poppe. 2,385,646; Sept. 25.
Balanced valve. S. G. Harwood. 2,385,510; Sept. 25.
Barometer interpreter. W. H. Redding. 2,385,732; Sept. 25.
Bars or cakes. Detergent. E. E. Dreger and A. C. Bell. 2,385,614; Sept. 25.
Base for electric lamps or similar devices. J. J. Malloy. 2,385,634; Sept. 25.
Beam compass. J. W. Oehrli. 2,385,723; Sept. 25.
Bearing. See—
Antifriction bearing.
Bomb. Incendiary. T. M. Finley. 2,385,502; Sept. 25.
Bonding composition. Aqueous. P. H. Rhodes. 2,385,374; Sept. 25.
Box for the heat-treatment of ferrous material. Packing. F. A. Endress. 2,385,407; Sept. 25.
Brake. A. L. Christiansen. 2,385,689; Sept. 25.

Brake. O. Rasmussen. 2,385,540; Sept. 25.
Brake hitch and release. J. Hovorka. 2,385,516; Sept. 25.
Brake operating mechanism. L. T. Freeman and R. H. Shively. 2,385,621-2; Sept. 25.
Brooder. J. D. Burkholder, Jr. 2,385,682; Sept. 25.
Brush. E. Berhelm. 2,385,490; Sept. 25.
Burner. See—
Gas burner.
Burner control system. D. G. Taylor and W. H. Gille. 2,385,426; Sept. 25.
Butadiene. Production of. H. C. Huffman. 2,385,705; Sept. 25.
Cab structure for Diesel engines. H. B. Peterson, Jr. 2,385,642; Sept. 25.
Cable. See—
Electric power cable.
Cable splitter. R. J. Montgomery. 2,385,368; Sept. 25.
Calculator. P. Davey. 2,385,334; Sept. 25.
Cap. See—
Attached filler cap.
Capacitor charging and discharging control. C. E. Smith and C. B. Stadum. 2,385,736; Sept. 25.
Capsicum-containing seasoning composition. L. A. Hall. 2,385,412; Sept. 25.
Carrier current system. J. L. Woodworth. 2,385,673; Sept. 25.
Casting apparatus. Centrifugal. B. L. Levinson. 2,385,631; Sept. 25.
Catalytic conversion of hydrocarbons. J. W. Jewell, G. D. Creelman, and W. H. Borchert. 2,385,446; Sept. 25.
Catalytic cracking of petroleum oils. W. A. Bailey, Jr. 2,385,325; Sept. 25.
Catalytic treatment of hydrocarbon oils. W. A. Bailey, Jr. 2,385,326; Sept. 25.
Centrifugal pump. J. G. Read. 2,385,730; Sept. 25.
Chlorides of neohexane. Secondary. A. W. Horton. 2,385,444; Sept. 25.
Chlorinated aliphatic hydrocarbons. Production of. J. S. Sconce, J. T. Rucker, S. E. Whitmire, and W. R. Schoonover. 2,385,475; Sept. 25.
Chuck for brazing machines. E. E. Calhoun. 2,385,346; Sept. 25.
Chuck mechanism. J. C. Curtis. 2,385,349; Sept. 25.
Circuit-interrupting device. H. E. Strang, G. M. Reed, and L. J. Linde. 2,385,658; Sept. 25.
Clasping device for bags, portfolios, envelopes, and the like. J. I. L. Israel. 2,385,576; Sept. 25.
Clip or fastener. A. E. Cox. 2,385,565; Sept. 25.
Closure for paper bags. Handle defining. H. G. Allen. 2,385,597; Sept. 25.
Closure means for container filling openings. G. R. Godber. 2,385,624; Sept. 25.
Clothesline reel. W. L. Gray. 2,385,570; Sept. 25.
Clutch. G. Hunt. 2,385,517; Sept. 25.
Clutch operating means. F. G. Silva and W. S. Seymour. 2,385,734; Sept. 25.
Coal. Combustion of. E. S. Hammond. 2,385,508; Sept. 25.
Coat hanger. E. S. Schneider. 2,385,588; Sept. 25.
Coffee maker. G. B. Davis, Jr. 2,385,694; Sept. 25.
Collarband construction for shirts. D. Norwood. 2,385,638; Sept. 25.
Collector head and trolley pole harp. Current. E. A. Larsson. 2,385,582; Sept. 25.
Colorimetric method for testing for available chlorine. H. Scharer. 2,385,471; Sept. 25.
Concentrated toxoids and product produced thereby. Preparing. J. Hoffmann. 2,385,443; Sept. 25.
Condensing silver. J. G. Kershaw and H. Fisher. 2,385,448; Sept. 25.
Container. See—
Cosmetic container. Double container.
Dispensing container. Oil container.
Control for floor furnaces. V. R. Pawelsky. 2,385,536; Sept. 25.
Control system. M. A. Whiting. 2,385,669; Sept. 25.
Control system. M. A. Whiting. 2,385,671; Sept. 25.
Control system. Deflection. G. L. Beers. 2,385,563; Sept. 25.
Control system for aircraft guns. Fire. E. W. Chafee. 2,385,348; Sept. 25.
Control system for hydraulically actuated devices. J. S. W. Davidson. 2,385,351; Sept. 25.
Control system. Photoelectric. R. W. Pearson and L. C. Poole. 2,385,725; Sept. 25.
Control system. Sequence. J. Eaton. 2,385,616; Sept. 25.
Co-polymerization products and making same. R. R. Dreisbach. 2,385,695; Sept. 25.

Core. Iron powder. K. Kaschke. 2,385,578; Sept. 25.
Cosmetic container. C. R. Book. 2,385,680; Sept. 25.
Coupling. See—
Shaft coupling.
Coupling assembly. L. Yager and J. W. Cummings. 2,385,596; Sept. 25.
Cover. See—
Utensil cover.
Cover fastener. G. W. Pancoe. 2,385,461; Sept. 25.
Crankcase flusher. F. E. Wilson. 2,385,393; Sept. 25.
Crystal mounting. R. J. Watroski. 2,385,666; Sept. 25.
Curtain and drapery rod. J. Castagna. 2,385,608; Sept. 25.
Cutter and silo filler. Feed. N. R. Krause and C. W. Hansen. 2,385,451; Sept. 25.
Cyclohexene production. H. H. Voge. 2,385,555; Sept. 25.
Cyclone separator. J. F. Vogt. 2,385,745; Sept. 25.
Cycloparaffin production. W. E. Ross and P. Pezzaglia. 2,385,543; Sept. 25.
Deburring machine. H. Schulz. 2,385,474; Sept. 25.
Deicing means. B. Vonnegut. 2,385,662; Sept. 25.
Depicting device. P. A. Chadwell. 2,385,347; Sept. 25.
Detection window. H. G. Pillsbury. 2,385,585; Sept. 25.
Developing apparatus. F. R. Brick. 2,385,681; Sept. 25.
Device for defining the base lines on the human body for taking the measure. L. von Däniken and J. Geisser. 2,385,746; Sept. 25.
Device for gasoline or oil gauges. Safety. D. Samiran. 2,385,382; Sept. 25.
Diolfens. Production of. K. A. Wright. 2,385,484; Sept. 25.
Dispenser. See—
Frozen confection dispenser. Safety liquid dispenser.
Dispensing container. A. P. Banua. 2,385,600; Sept. 25.
Dispensing device. Dry-cell. L. G. Briggs. 2,385,400; Sept. 25.
Dispensing device. Fluid. C. Mankouski. 2,385,418; Sept. 25.
Dispensing tube and manufacture thereof. Nonmetallic collapsible. I. Gurwick. 2,385,506; Sept. 25.
Distillation apparatus. Controlled fractional. R. E. Burk. 2,385,345; Sept. 25.
Divinyl-benzene compounds from corresponding ethylated benzene compounds. Manufacture of. R. R. Dreisbach. 2,385,696; Sept. 25.
Dock. Floating dry. C. A. D. Bayley. 2,385,341; Sept. 25.
Door or gate closer. B. Strosnider. 2,385,590; Sept. 25.
Double container. M. Prager. 2,385,648; Sept. 25.
Downspout for bubble trays. C. G. Gerhold. 2,385,355; Sept. 25.
Drive control. Variable. W. P. Lear. 2,385,630; Sept. 25.
Dyestuffs and preparing them. Polymethine. H. von Freyberg and H. Koch. 2,385,747; Sept. 25.
Dyestuffs. Disazo. R. Fleischauer and A. Muller. 2,385,698; Sept. 25.
Dynamoelectric machine. M. A. Whiting. 2,385,670; Sept. 25.
Ecclesiastical equipment. N. V. Casson. 2,385,607; Sept. 25.
Electric brake mechanism. J. H. Nelson and H. Servis. 2,385,459; Sept. 25.
Electric power cable. J. K. Webb. 2,385,558; Sept. 25.
Electric switch. W. A. Gussow. 2,385,507; Sept. 25.
Electrical device. C. T. Baxter. 2,385,340; Sept. 25.
Electrical device. C. W. Warwick. 2,385,665; Sept. 25.
Electrical heating of articles made of glass or other vitreous material. M. Descarsin. 2,385,567; Sept. 25.
Electrical remote control. O. Stettler. 2,385,657; Sept. 25.
Electrically vibrated feeder. H. E. Brown and S. M. Grant. 2,385,328; Sept. 25.
Electron discharge device. L. C. Werner and W. A. Laning. 2,385,435; Sept. 25.
Embalming apparatus. A. S. A. Tolliver. 2,385,428; Sept. 25.
Emulsions. Stabilized silver halide. F. W. H. Mueller. 2,385,762; Sept. 25.
Enamelware making. O. Hommel. 2,385,573; Sept. 25.
Equalizer for elevator cables. E. T. Beatty. 2,385,488; Sept. 25.
Ether composition. Cellulose. M. J. Hunter and E. L. Kropscott. 2,385,359; Sept. 25.
Ether of dextran. Soluble benzyl. G. L. Stahley and W. W. Carlson. 2,385,553; Sept. 25.
Ethers of diethylstilboestrol. Monoalkyl. E. E. Reid. 2,385,468; Sept. 25.
Ethers of hexestrol and producing same. Monoalkyl. F. C. Schmelkes. 2,385,472; Sept. 25.
Extraction of mineral oils. Solvent. O. L. Polly and A. C. Byrns. 2,385,645; Sept. 25.
Extruder. Potato. R. Petzold. 2,385,538; Sept. 25.
Extrusion device for the manufacture of cable sheaths. W. Hyprath. 2,385,574; Sept. 25.
Fabric repair machine. S. L. Hieber. 2,385,703; Sept. 25.
Fabric. E. J. Jacob. 2,385,577; Sept. 25.
Fastener. See—
Cover fastener.
Feed section unit for electric wiring systems. J. F. O'Brien. 2,385,375; Sept. 25.

Feeder. See—
Electrically vibrated feeder.
Feeding device. R. P. Place. 2,385,643; Sept. 25.
Fibers. Making fine. A. W. Hanson. 2,385,358; Sept. 25.
Firearm sight. G. F. Pridoux. 2,385,649; Sept. 25.
Fire control means. L. H. Brown. 2,385,343; Sept. 25.
Fire extinguisher. W. Koehler. 2,385,449; Sept. 25.
Fire extinguishing composition and the manufacture thereof. G. A. Fasold and H. W. Greider. 2,385,500; Sept. 25.
Fishhook. H. P. Birkemeler. 2,385,602; Sept. 25.
Fixture. L. H. Gaudreau. 2,385,354; Sept. 25.
Flare. Marine. F. L. Ogle. 2,385,376; Sept. 25.
Flashlight. C. S. Packer and Le R. O. Brown. 2,385,639; Sept. 25.
Flashlight. Pen. C. S. Packer and M. R. Olsen. 2,385,640; Sept. 25.
Flatiron. J. R. Campbell. 2,385,606; Sept. 25.
Flax and other bast fibers. Decorating of. J. Thomson. 2,385,427; Sept. 25.
Flux and bonding composition containing same. Vitri-fiable. J. J. Knox. 2,385,580; Sept. 25.
Folder. Filing. A. Efron. 2,385,337; Sept. 25.
Footwear. Manufacture of. M. G. Stratton. 2,385,554; Sept. 25.
Formation of isobutane. Catalytic. R. E. Burk. 2,385,344; Sept. 25.
Frozen confection dispenser. I. King and R. B. Burg. 2,385,579; Sept. 25.
Fuel control. A. W. Gardner. 2,385,409; Sept. 25.
Fuel ignition system. V. A. Fox. 2,385,699; Sept. 25.
Fuel system. J. O. Helvern and E. L. Baugh. 2,385,513; Sept. 25.
Fuels. Stabilization of motor. E. W. Cook and W. D. Thomas, Jr. 2,385,757; Sept. 25.
Furnace. See—
Glass melting furnace.
Furnace. C. P. Clapp and B. M. Johnson. 2,385,333; Sept. 25.
Fuse. Cutout. W. O. Schultz. 2,385,473; Sept. 25.
Fuselage bulge. R. A. Darby. 2,385,499; Sept. 25.
Gas burner. P. S. Harper. 2,385,413; Sept. 25.
Gas burner. H. E. Mills. 2,385,528; Sept. 25.
Gate valve assembly. A. J. Penick. 2,385,463; Sept. 25.
Gear. Forming a split ring. R. J. Elsemann and R. E. Wenner. 2,385,617; Sept. 25.
Gears. Process and machine for grinding toothed. A. Rickenmann. 2,385,650; Sept. 25.
Glass melting furnace. W. A. Moorshead. 2,385,529; Sept. 25.
Glider. Crewless. L. W. Van Dusen. 2,385,392; Sept. 25.
Goggles and eyeshade. Combination. B. H. Crowther. 2,385,405; Sept. 25.
Grenade body. Hand. J. J. Blum. 2,385,398; Sept. 25.
Grinder machine. Rotor. L. Illmer. 2,385,445; Sept. 25.
Guanamines in textile finishing. J. T. Thurston. 2,385,766; Sept. 25.
Guy line equipment for tents. O. E. Mahaffey. 2,385,716; Sept. 25.
Gyroscopic instrument. F. D. Braddon. 2,385,342; Sept. 25.
Halides. Production of. R. W. Grimble. 2,385,505; Sept. 25.
Hammer. Mechanical. C. H. Gubbins. 2,385,439; Sept. 25.
Hanger. See—
Coat hanger.
Harrow. Disk. R. H. Mitchell and T. M. Thomas. 2,385,637; Sept. 25.
Heater. See—
Hot-water storage heater.
Heater. J. S. Wallis and J. W. Throckmorton. 2,385,749; Sept. 25.
Heating apparatus. W. V. Riffe. 2,385,652; Sept. 25.
Heel breasting machine. E. E. Winkley. 2,385,482; Sept. 25.
Heel lift. Detachable. B. H. Walker. 2,385,592; Sept. 25.
Hinge combination. Cam. S. J. Stanton. 2,385,738; Sept. 25.
Holder or pipstem. Cigarette. J. R. Ricketts. 2,385,651; Sept. 25.
Holding device. J. M. Johnston. 2,385,709; Sept. 25.
Hollow bodies. Lathe for profiling. O. von Zelewsky and K. Künzi. 2,385,430; Sept. 25.
Hook and latch for line implements. T. F. Johnson. 2,385,708; Sept. 25.
Hook releaser. Fishing. D. Jackson. 2,385,415; Sept. 25.
Hot bearing alarm. G. W. Baughman. 2,385,487; Sept. 25.
Hot-water storage heater. E. R. Koppel. 2,385,450; Sept. 25.
Hydraulic pruning tool. F. A. Matulich. 2,385,419; Sept. 25.
Hydraulic roller-bearing directional pressure wedge. M. C. Young. 2,385,753; Sept. 25.
Hydraulic vibration damper. J. K. Simpson. 2,385,545; Sept. 25.

Hydrocarbons, Conversion of. W. J. Mattox. 2,385,524; Sept. 25.
Hydrocarbons, Nitration of. J. W. Teter. 2,385,741; Sept. 25.
Hydrocarbons, Solidified normally liquid. A. J. Laliberte. 2,385,361-3; Sept. 25.
Hydrochloride film, Plasticized rubber. La V. E. Cheyney and H. J. Osterhof. 2,385,534; Sept. 25.
Implement for soil preparation. D. L. Hill. 2,385,441; Sept. 25.
Indexing unit. F. P. Baum. 2,385,396; Sept. 25.
Inks. A. B. Davis. 2,385,613; Sept. 25.
Insecticides, Distributing. W. R. McLain, F. V. Miller, and E. H. Green. 2,385,636; Sept. 25.
Insulating electrical apparatus. M. Omansky. 2,385,460; Sept. 25.
Intercommunication system. R. H. Herrick. 2,385,515; Sept. 25.
Interpreting device. J. M. Lande. 2,385,452; Sept. 25.
Iodine compositions and producing the same. Solid. P. J. Witte. 2,385,394; Sept. 25.
Jetty and making the same. O. A. Bartholomew. 2,385,601; Sept. 25.
Joint: See—
Rotary pressure joint.
Knitting machine, Split-foot. A. N. Cloutier. 2,385,611; Sept. 25.
Lamp adapter and receptacle. A. G. Steinhilber. 2,385,478; Sept. 25.
Lamp and application thereof, Discharge. P. W. Blackburn. 2,385,397; Sept. 25.
Landing gear for aircraft. N. H. Tritt. 2,385,742; Sept. 25.
Lasting machine. E. A. Holmgren. 2,385,444; Sept. 25.
Latch construction, Roller. A. O. Dady. 2,385,350; Sept. 25.
Level. C. L. Shue. 2,385,424; Sept. 25.
Light polarizing screen and manufacture. C. W. Carnahan. 2,385,687; Sept. 25.
Light restricting device. J. B. Bartow. 2,385,755; Sept. 25.
Locking device, Safety. D. Samiran. 2,385,381; Sept. 25.
Locking wrench. W. I. Truby. 2,385,660; Sept. 25.
Lubricating system. W. M. Malott. 2,385,522; Sept. 25.
Machine for cutting gears. A. H. Candee and L. O. Carlsson. 2,385,330; Sept. 25.
Machine for cutting skins. R. H. Konikoff. 2,385,712; Sept. 25.
Machine for knitting hosiery. H. E. Woodcock. 2,385,672; Sept. 25.
Machine for planting potatoes. W. T. Teagle. 2,385,740; Sept. 25.
Machine for producing containers and parts thereof. C. T. Brewer. 2,385,604; Sept. 25.
Machine for producing gears. L. O. Carlsson. 2,385,331; Sept. 25.
Machine for sealing waxed paper bags. A. B. McLaughlin. 2,385,583; Sept. 25.
Machine for shaping shoe uppers. R. E. Duplessis. 2,385,336; Sept. 25.
Machine for shaping uppers over lasts. L. E. Proulx. 2,385,466; Sept. 25.
Machine for the working of blanks. J. Kury. 2,385,581; Sept. 25.
Machine tool. E. P. Bullard, III, G. R. Appelberg, and E. H. Johnson. 2,385,605; Sept. 25.
Machine tool. L. F. Polk. 2,385,644; Sept. 25.
Magazine, newspaper, or periodical display rack, and storage therefor, Full face. J. Bloom. 2,385,603; Sept. 25.
Magnesium base alloy. R. S. Busk. 2,385,685-6; Sept. 25.
Magnets for internal-combustion engines, Ignition. J. A. Baines. 2,385,678; Sept. 25.
Mattress wrapping machine. P. Spagnoli. 2,385,477; Sept. 25.
Measuring and control apparatus. H. S. Jones. 2,385,447; Sept. 25.
Measuring and controlling apparatus. W. P. Willis. 2,385,481; Sept. 25.
Measuring device. T. Bailey. 2,385,677; Sept. 25.
Measuring mechanism, Force transmitting. P. A. Sturtevant. 2,385,591; Sept. 25.
Mercury arc device. L. M. Wittlinger and W. S. Brian. 2,385,561; Sept. 25.
Metal removing tool. R. R. Weddell. 2,385,750; Sept. 25.
Military vehicle. S. H. Webster. 2,385,480; Sept. 25.
Milk cream, curd, and cheese, Improving. G. Friedel. 2,385,569; Sept. 25.
Milling head attachment for metal working machines. C. E. Skelton. 2,385,735; Sept. 25.
Modulation control, Screen-grid. O. De Gaire. 2,385,566; Sept. 25.
Molded articles, Forming. V. A. Navikas. 2,385,722; Sept. 25.
Molding composition comprising very plastic polymers of chloroprene and the like. H. W. Starkweather and F. N. Wilder. 2,385,739; Sept. 25.
Molding composition, Heat-treated asbestos filled. P. C. Schroy. 2,385,384; Sept. 25.
Molding device. L. B. Salisbury. 2,385,544; Sept. 25.
Molds, Making. G. D. Marcy. 2,385,456; Sept. 25.

Mounting: See—
Crystal mounting. Resilient mounting.
Ophthalmic mounting.
Mount and the like, Film. I. C. Rinn. 2,385,541; Sept. 25.
Mower, Lawn. S. F. Draim. 2,385,568; Sept. 25.
N-sulphonylureas, Making. E. Haack. 2,385,571; Sept. 25.
Necktie. G. F. Pinsuti. 2,385,726; Sept. 25.
Neoprene dispersions by means of magnesium salts, Coagulating. A. S. Carter and T. G. Webber. 2,385,688; Sept. 25.
Nibbler. L. W. Russell. 2,385,587; Sept. 25.
Nitriles, Dehydrogenation of aliphatic. Le R. W. Spence and F. O. Haas. 2,385,552; Sept. 25.
Nitriles, Production of unsaturated. Le R. W. Spence. 2,385,550; Sept. 25.
Nuts. G. F. Voight. 2,385,556; Sept. 25.
Nut, Lock. C. D. Tripp. 2,385,390; Sept. 25.
Oil composition, Lubricating. M. T. Flaxman. 2,385,697; Sept. 25.
Oil container. La V. E. Cheyney and H. J. Osterhof. 2,385,532; Sept. 25.
Oil with metallic sodium, Refining of hydrocarbon. R. S. Vose. 2,385,431; Sept. 25.
Olefins, Polymerizing. A. Clark and R. S. Shutt. 2,385,609; Sept. 25.
Ophthalmic mounting. C. O. Cozzens and E. M. Splaine. 2,385,693; Sept. 25.
Optical testing device and testing. C. J. Glasser. 2,385,503; Sept. 25.
Organic disulphides, Production of. J. A. Gardner. 2,385,410; Sept. 25.
Oscillatory motion, Transmitting. P. E. Geldhof and V. J. Wooster. 2,385,623; Sept. 25.
Outsole. G. Codish. 2,385,690; Sept. 25.
Package. La V. E. Cheyney and H. J. Osterhof. 2,385,533; Sept. 25.
Package. La V. E. Cheyney and H. J. Osterhof. 2,385,535; Sept. 25.
Package. H. J. Osterhof and La V. E. Cheyney. 2,385,531; Sept. 25.
Package sealing strip applying mechanism. L. V. Whipple and S. W. Pollock. 2,385,751; Sept. 25.
Package vending machine. L. A. M. Phelan. 2,385,465; Sept. 25.
Paint, Bituminous. G. A. Fasold and H. W. Greider. 2,385,437; Sept. 25.
Pan greaser. J. R. Vickery, Jr. 2,385,744; Sept. 25.
Panels, Making hollow. O. C. Davis. 2,385,352; Sept. 25.
Pencil. J. D. Buchanan. 2,385,329; Sept. 25.
Pencil. H. Hoffman. 2,385,442; Sept. 25.
Phenols with sulphite waste liquor, Condensation of. H. Rudy and R. Watzel. 2,385,586; Sept. 25.
Photographic developers. V. H. Reckmeyer. 2,385,763; Sept. 25.
Photography, Color. J. A. Ball and L. Plotin. 2,385,599; Sept. 25.
Pigment composition, Fluorescent sulphide. J. F. Dreyer. 2,385,615; Sept. 25.
Pigment, Testing a. J. K. Wise. 2,385,560; Sept. 25.
Pigments and products made therewith, Manufacture of. H. R. Rafton. 2,385,379; Sept. 25.
Pilot enclosure. E. F. Burton and A. B. Rogers, Sr. 2,385,684; Sept. 25.
Pinene to camphene, Isomerization of. W. J. Kirkpatrick. 2,385,711; Sept. 25.
Pipe connection. J. Slezak. 2,385,425; Sept. 25.
Planter. C. H. White. 2,385,668; Sept. 25.
Plastic button. F. G. Purinton. 2,385,467; Sept. 25.
Plasticizer, Resin. C. Opp. 2,385,377; Sept. 25.
Polymers from dioxane. G. T. Vaala and R. B. Carlin. 2,385,661; Sept. 25.
Power plant for aircraft. A. Lysholm. 2,385,366; Sept. 25.
Power transmitting mechanism. J. M. Morgan. 2,385,457; Sept. 25.
Preparation of acetylenic alcohols, Continuous. E. F. Smith. 2,385,546; Sept. 25.
Preparing a molded zinc article and the resulting article. S. J. Bers. 2,385,679; Sept. 25.
Producing acrylonitrile. C. W. Bradley and H. S. Davis. 2,385,327; Sept. 25.
Propelling device, Centrifugal. G. R. Louthan. 2,385,632; Sept. 25.
Protecting ships against underwater explosion. V. S. Makarov and N. C. Artsay. 2,385,417; Sept. 25.
Protective device. E. J. Wade. 2,385,663; Sept. 25.
Protector: See—
Thread protector.
Pump: See—
Centrifugal pump.
Push-pull sound reproducing method and system. A. Badmaeff. 2,385,324; Sept. 25.
Radiators, Assembling. E. V. Ripplingille. 2,385,542; Sept. 25.
Railway switch operating apparatus. H. L. Bone. 2,385,492; Sept. 25.
Record, Making. D. C. Rockola. 2,385,653; Sept. 25.

Recording and reproducing system, Automatic. W. S. Halstead. 2,385,701; Sept. 25.
Recording mechanism. A. D. Branham. 2,385,399; Sept. 25.
Recovery and purification of iodine. H. I. Wolff. 2,385,483; Sept. 25.
Reel: See—
Clothesline reel.
Reel spindle, Film. J. L. Underhill. 2,385,479; Sept. 25.
Refrigerating system. R. C. Webber. 2,385,667; Sept. 25.
Refrigeration apparatus. G. S. McCloy. 2,385,525; Sept. 25.
Regulating device for heating appliances, Temperature. V. Weber. 2,385,434; Sept. 25.
Resilient mounting. R. C. Henshaw. 2,385,759; Sept. 25.
Resin and product derived therefrom, Producing a. P. H. Rhodes. 2,385,373; Sept. 25.
Resin and product thereof, Preparing melamine. P. C. Schroy. 2,385,383; Sept. 25.
Resin, Production of. P. H. Rhodes. 2,385,372; Sept. 25.
Resinous compositions, Production of. A. J. Norton. 2,385,370; Sept. 25.
Resistor, Electrical. E. Hediger and W. E. Schildhauer. 2,385,702; Sept. 25.
Resistors, Making. L. L. Stoffel. 2,385,386; Sept. 25.
Retort. E. H. Records. 2,385,731; Sept. 25.
Revolver. R. Rice. 2,385,422; Sept. 25.
Rod: See—
Curtain and drapery rod.
Rotary pressure joint. R. O. Monroe. 2,385,421; Sept. 25.
Safety lamp guard. W. Schmieder. 2,385,655; Sept. 25.
Safety liquid dispenser. A. T. Harris. 2,385,509; Sept. 25.
Sap-stain control. R. S. Shumard. 2,385,764; Sept. 25.
Sash opening and closing mechanism. R. T. Axe. 2,385,676; Sept. 25.
Screen for aircraft windows and making the same, Frost-preventing. W. C. Geer. 2,385,411; Sept. 25.
Screen for refrigerator cars. C. S. Johnston. 2,385,760; Sept. 25.
Scrubber, Mattress. F. E. Hays and L. O. Scott. 2,385,511; Sept. 25.
Seal. W. W. Meyer. 2,385,420; Sept. 25.
Seal, Bearing. E. Thoresen. 2,385,388; Sept. 25.
Seal, Fluid type. E. L. Dayton. 2,385,406; Sept. 25.
Seal for pressure vessels. H. D. Baker. 2,385,754; Sept. 25.
Sealing machine. J. E. Underwood. 2,385,429; Sept. 25.
Separator: See—
Cyclone separator.
Setting up device, Egg carton. K. T. Buttery. 2,385,401; Sept. 25.
Shaft coupling. R. A. Niekamp. 2,385,369; Sept. 25.
Sharpening means for safety razors. F. Evans. 2,385,436; Sept. 25.
Sheet metal, Rolling. C. G. Jones. 2,385,627; Sept. 25.
Shield for incandescent lamps, Heat. L. A. McNabb. 2,385,526; Sept. 25.
Shirt. A. Powell. 2,385,729; Sept. 25.
Shoe. S. B. Valsey. 2,385,743; Sept. 25.
Shovel and loading device, Power. R. Heath. 2,385,512; Sept. 25.
Shuttle. C. D. Brown. 2,385,756; Sept. 25.
Shuttle. H. Menking. 2,385,718; Sept. 25.
Signal: See—
Thief signal.
Signaling device. G. E. Atkins. 2,385,330; Sept. 25.
Silicon steel sheet stock having insulative surfaces, Production of. V. W. Carpenter, S. A. Bell, and J. E. Heck. 2,385,332; Sept. 25.
Sizing and finishing compositions. F. G. La Plana and H. S. Bosland. 2,385,714; Sept. 25.
Slings to handle materials, Forming. H. D. Allerton. 2,385,338; Sept. 25.
Soles to shoes, Attaching. H. E. Marasco. 2,385,523; Sept. 25.
Solvent extraction. W. E. Booth and R. Cosway. 2,385,504; Sept. 25.
Sorting device. E. W. Ekstrand. 2,385,618; Sept. 25.
Sorting device. E. E. Garlits, Jr. 2,385,700; Sept. 25.
Sound band matrices, Method of and device for producing. A. Woltschek. 2,385,595; Sept. 25.
Speed governor. C. F. Wallace. 2,385,432; Sept. 25.
Splicer, Film. L. Frankel. 2,385,353; Sept. 25.
Staking machine, Armature coil lead. E. R. Fausset and F. L. Zion. 2,385,619; Sept. 25.
Stamping machine. G. C. Paxton and E. A. Verrinder. 2,385,462; Sept. 25.
Starch product. G. B. Fowler and D. K. Pattilloch. 2,385,438; Sept. 25.

Stator, Liquid-tight. F. J. Sigmund and W. S. Hlavin. 2,385,385; Sept. 25.
Steering mechanism, Power. H. Baade. 2,385,485; Sept. 25.
Stencil. A. Baczewski. 2,385,562; Sept. 25.
Stool, Folding. E. A. F. M. Naon. 2,385,458; Sept. 25.
Straight stem vent valve. J. A. Parton and J. B. Pace. 2,385,584; Sept. 25.
Substitute for tin horns. J. E. Wilson. 2,385,752; Sept. 25.
Sulphur, Decolorizing. A. B. Menefee and H. H. Greger. 2,385,527; Sept. 25.
Sulphur dioxide, Recovering. G. W. Hooker, S. C. Stowe, and L. R. Drake. 2,385,704; Sept. 25.
Supercharger arrangements, Cabin. D. F. Warner. 2,385,664; Sept. 25.
Support: See—
Auxiliary electrode support.
Support and contacting means, Electrode. H. L. Ratchford and H. Smithgall, Jr. 2,385,380; Sept. 25.
Switch: See—
Electric switch.
Switch. J. W. Lawson. 2,385,629; Sept. 25.
Switch. E. T. Platz. 2,385,727; Sept. 25.
Switch assembly. J. N. Gilman and C. C. Ross. 2,385,356; Sept. 25.
Switch control mechanism. J. H. Horman. 2,385,626; Sept. 25.
System for controlling charging of storage batteries. S. K. Lessey. 2,385,455; Sept. 25.
Table leg, Folding. E. H. Mayer. 2,385,717; Sept. 25.
Tape, Calking. A. Contlee. 2,385,612; Sept. 25.
Telephone system. C. E. Lomax and P. Bakker. 2,385,715; Sept. 25.
Telephone system. I. Molnar. 2,385,720; Sept. 25.
Testing apparatus, Block grease. H. G. Smith. 2,385,656; Sept. 25.
Textile finishing. J. T. Thurston. 2,385,765; Sept. 25.
Textile materials, Treatment of. G. W. Seymour and W. Brooks. 2,385,423; Sept. 25.
Textile printing composition. St. C. Smith. 2,385,737; Sept. 25.
Thermoelectric device. E. Paille. 2,385,530; Sept. 25.
Thermoplastic sheets of nonuniform thickness, Production of. W. F. Bartoe and W. R. Speck. 2,385,486; Sept. 25.
Thermostat. V. Weber. 2,385,433; Sept. 25.
Thief signal. C. S. Johnson. 2,385,707; Sept. 25.
Thread protector. B. Engstrom. 2,385,408; Sept. 25.
Toluene from hydrocarbon mixtures, Recovering. C. R. Clark. 2,385,610; Sept. 25.
Tool: See—
Hydraulic pruning tool. Metal removing tool.
Machine tool. Valve reseating tool.
Toolholder for metal planers. L. P. Jarrell. 2,385,519; Sept. 25.
Tooth, Excavating. J. Baer. 2,385,395; Sept. 25.
Tower, Vehicle mounted. H. A. and G. H. Wagner. 2,385,748; Sept. 25.
Toy. R. C. Olson. 2,385,724; Sept. 25.
Track, Open-center snow. W. H. Hansen. 2,385,758; Sept. 25.
Track, Self-laying. C. W. Leguillon. 2,385,453; Sept. 25.
Transmission system, Hydraulic. A. H. Hopmans. 2,385,625; Sept. 25.
Treatment apparatus. A. Burton. 2,385,683; Sept. 25.
Trimmer and cauterizer for fowl and the like, Beak and wing. J. Lyon. 2,385,633; Sept. 25.
Triturating machine. H. H. Wagner. 2,385,767; Sept. 25.
Truck, Barrel. R. C. Hawkins. 2,385,514; Sept. 25.
Truck, Car. J. A. Shafer. 2,385,476; Sept. 25.
Truck, Service. W. Wenthe. 2,385,559; Sept. 25.
Tube testing apparatus. E. Blair. 2,385,491; Sept. 25.
Tubing construction. G. Toepper and J. F. P. Farrar. 2,385,389; Sept. 25.
Tucking and folding mechanism for wrapping machines. C. Arelt. 2,385,675; Sept. 25.
Turpentine and like matters and products thereof, Hydrating. T. Hasselstrom and B. L. Hampton. 2,385,572; Sept. 25.
Umbrella frame construction, Plastic. S. Isler. 2,385,575; Sept. 25.
Urn, Burial. A. Klinzing. 2,385,520; Sept. 25.
Utensil cover. W. F. Witte, Jr. 2,385,594; Sept. 25.
V-belt clutch assembly. A. O. Johnson and H. W. Elsner. 2,385,360; Sept. 25.
Valve: See—
Balanced valve. Straight stem vent valve.
Valve assembly. G. R. Benz. 2,385,489; Sept. 25.
Valve for work ejectors, Control. P. W. Schroder. 2,385,733; Sept. 25.
Valve operating mechanism. G. W. Penheny. 2,385,537; Sept. 25.
Valve reseating tool. L. C. Shepler. 2,385,589; Sept. 25.

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Military vehicle.

Venetian blind. C. J. Van Buren. 2,385,391; Sept. 25.

Visor. Light. G. C. Ward. 2,385,557; Sept. 25.

Vulcanizer, Footwear. L. J. Larkin, G. A. Larkin, and J. J. Regan. 2,385,628; Sept. 25.

Well surveying. R. G. Piety. 2,385,378; Sept. 25.

Winding machine, Continuous. W. S. Corbin, P. L. Tollison, A. F. Pilon, F. Chilson, and C. S. Caffrey. 2,385,692; Sept. 25.

Winding machine, Continuous. W. S. Corbin, F. Chilson, P. L. Tollison, C. S. Caffrey, and A. F. Pilon. 2,385,691; Sept. 25.

Wire coils, Recessing. O. Haas. 2,385,357; Sept. 25.

Work feeding device. T. E. Mead. 2,385,521; Sept. 25.

Wrapping mechanism. T. Jensen. 2,385,706; Sept. 25.

Wrench: See—

Locking wrench.

Wrench. G. F. Seashore. 2,385,654; Sept. 25.

Yarn, Stretching cellulose ester. R. F. Conaway. 2,385,403; Sept. 25.

Zeln molding compositions and method of molding. V. A. Navikas. 2,385,721; Sept. 25.

Zinc base alloy. E. S. Bunn. 2,385,496-7; Sept. 25.

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ISSUED SEPTEMBER 25, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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[Decisions of the United States Court of Appeals for the District of Columbia are indicated by the letter (*); and of the United States Court of Customs and Patent Appeals by a star (*).]

THE
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Disclaimer
2,318,197.—William Russell Clark, Abington, Pa. VISUAL INDICATOR. Patent dated May 4, 1943. Disclaimer filed Sept. 4, 1945, by the assignee, Leeds and Northrup Company.
Hereby enters this disclaimer to claims 1, 2, and 6.

General Rescinding Order
Subject to the exception hereinafter noted, all Orders of Secrecy heretofore issued by the Commissioner of Patents pursuant to the Act of October 6, 1917 (40 Stat. 394; U. S. C., title 35, sec. 42), as amended, are hereby rescinded.
The Commissioner of Patents may except any application from this order by written notice sent to the principals at their addresses of record on or before the effective date hereof.
This order shall take effect on November 30, 1945.
CASPER W. OOMS,
Commissioner.
August 30, 1945.

Order No. 3986
U. S. PATENT OFFICE, Washington, D. C., Sept. 6, 1945.
Acting under the provisions of section 483 of the Revised Statutes (U. S. C., title 35, sec. 6) and with the approval of the Secretary of Commerce, rules 137 and 138 respectively of the Rules of Practice are amended as set forth below to take effect September 6, 1945.
Rule 137. On filing of an appeal to the Board of Appeals a day of hearing will be fixed and due notice thereof given to the appellant, who shall file a brief of the authorities and arguments on which he will rely to maintain his appeal twenty days before the day of hearing. The Examiner may thereupon, in his discretion and at least five days before the day of hearing, reply thereto. At the time of making any such reply, the Examiner shall furnish a copy of the same to the appellant.
Rule 138. Affidavits or exhibits submitted after the case has been appealed will not be admitted without remanding the application to the Primary Examiner for reconsideration; but the appellant tribunal may in their discretion refuse to remand the case and proceed with the same without accepting the affidavits or exhibits.
CASPER W. OOMS,
Commissioner.

Notice of Opposition
U. S. PATENT OFFICE, Richmond, Va., Sept. 4, 1945.
James A. S. Furlonge, his assigns or legal representatives, take notice:
An opposition proceeding has been instituted by this Office upon the petition of San-Nap-Pak Co., Inc., 1440 Broadway, New York, N. Y., against the application for registration of a trade-mark to James A. S. Furlonge, 712 S. Olive St., Los Angeles 14, Calif. The Office has been notified of the death of said Furlonge. An opportunity was afforded the legal representative of the deceased to intervene. No response having been made thereto, notice is hereby given that unless said Furlonge, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the opposition will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.
LESLIE FRAZER,
First Assistant Commissioner.
1

Condition of Applications Under Examination at Close of Business September 14, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 69,796; Trade-Mark Division, 2,840. Oldest new case, September 1, 1944; oldest amended, September 8, 1944.)
(The dates given are 1944 except where † indicates 1945.)
DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS

	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
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1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spitoons; Sewerage.	Dec. 2	Dec. 16	1083
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wingers; Butchering.	Oct. 12	Oct. 17	1287
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part).	Nov. 25	Dec. 4	1318
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Jan. 13	Jan. 22	1045
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Sept. 19	Sept. 8	1767
6. GENIESSE, E. W., Carbon Chemistry (part).	Jan. 5	Jan. 20	1206
7. JARBOE, C. G., Optics, Photography.	Apr. 9	Mar. 16	1009
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets.	Feb. 2	Mar. 14	1062
9. BENSON, R. E., Pumps and Fans; Fluid and Fluid-Current Motors.	Oct. 30	Oct. 30	1214
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	May 2	Apr. 10	349
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control.	Oct. 26	Oct. 12	1408
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning.	Jan. 10	Jan. 6	1051
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery.	Mar. 3	Feb. 23	829
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Mar. 22	Jan. 20	901
16. SPENCER, C. J., Telegraphy; Telephony.	Feb. 7	Feb. 7	830
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Nov. 6	Nov. 8	684
18. KURZ, J. A., Motors, Expandable-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Dec. 13	Oct. 23	1166
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Nov. 16	Nov. 23	722
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Feb. 14	Feb. 19	803
21. THOMPSON, T. J., Textiles.	Mar. 20	Feb. 14	492
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance.	Jan. 15	Jan. 17	1344
23. LEWIS, J. B., Cash Registers; Calculators (part).	Jan. 29	Dec. 7	149
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines.	Feb. 20	Mar. 1	850
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Dec. 9	Jan. 2	1026
26. YOUNG, R. R., Electricity—Generation and Motive Power.	Nov. 7	Nov. 10	1207
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles; Fluid Treating Apparatus; Ironing; Washing Apparatus.	Nov. 16	Oct. 27	1129
28. BOLDYON, H. L., Heating, Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	Oct. 20	Oct. 11	1019
29. SHKLARIN, F. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	Nov. 23	Nov. 21	1177
30. MCCANN, LEO C., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Jan. 19	Jan. 4	1253
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils.	Apr. 25	Apr. 26	824
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Mar. 10	Mar. 8	938
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Jan. 19	Jan. 18	1189
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Dec. 11	Jan. 6	640
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Dec. 2	Dec. 11	1008
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring.	Jan. 5	Jan. 29	785
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers.	Oct. 2	Oct. 18	1176
38. KRAFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation.	Dec. 8	Dec. 7	893
39. WHITNEY, E. J., Fluid-Pressure Regulators; Valves; Water Distribution.	Dec. 4	Dec. 11	1267
40. DRUMMOND, E. J., Receptacles (part); Packages.	Jan. 6	Jan. 14	1439
41. HERTZ, M., Coin Handling; Records; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Dec. 21	Dec. 9	536
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters.	Feb. 17	Feb. 22	652
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Dec. 30	Jan. 1	809
44. HARVEY, L. F., Refrigeration; Preserving.	Sept. 29	Oct. 10	699
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Dec. 26	Dec. 26	1327
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Nov. 20	Nov. 23	779
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part).	Feb. 21	Feb. 24	1223
48. ROEPKE, O. E., Electricity, General Applications; Electric Igniters.	Dec. 12	Dec. 9	1263
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Mar. 2	Feb. 17	688
50. LEVIN, SAMUEL, Synthetic Resins.	Jan. 31	Jan. 31	1468
51. CROCKER, A. W., Radiant Energy; Modulators.	Dec. 19	Dec. 18	1924
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Oct. 23	Nov. 17	1636
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Sept. 1	Sept. 29	1317
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Sept. 20	Sept. 20	1392
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery Laminated Fabrics (part).	Feb. 7	Jan. 22	929
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making.	Nov. 9	Nov. 8	1019
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Nov. 6	Nov. 6	1147
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	Mar. 16	Mar. 21	700
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part).	Oct. 25	Oct. 19	1408
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Dec. 4	Dec. 4	1156
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Nov. 20	Jan. 1	1155
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors.	Oct. 30	Oct. 21	1910
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Oct. 27	Nov. 25	1515
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel.	May 10	May 10	741
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Oct. 18	Oct. 23	1366
TRADE-MARKS: RICHMOND, F. A.	June 1	June 27	2840
DESIGNS: KALUPY, H. H.	June 1	July 13	1498

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

BAKER, JR., ET AL. V. ALTHER
No. 4,994. Decided May 22, 1945
[149 F.(2d) 942; 66 USPQ 41]

1. INTERFERENCE—CONSTRUCTIVE REDUCTION TO PRACTICE.

Where appellee filed an alleged parent application on April 15, 1935, a "continuation" of that application on June 17, 1939, and a "division" of said continuation on July 28, 1941; the continuation was copending with the thereafter abandoned parent case, and the division with the thereafter abandoned continuation; and all three applications disclosed the subject matter of the interference in which the divisional application was involved, Held that appellee was "entitled to the benefit of his earliest date, April 15, 1935, for conception and constructive reduction to practice."

2. SAME—COUNTS—RIGHT TO MAKE—ADMISSION.

"Appellants, in effect, admitted that the counts read on the involved application when they made no motion to dissolve."

3. SAME—SUPPRESSION, CONCEALMENT AND ABANDONMENT.

"Appellee in filing his applications as above set out has done what he is entitled to do under the law, and therefore it is unnecessary to discuss suppression, concealment and abandonment."

APPEAL from the Patent Office. Affirmed.

Messrs. Pennie, Davis, Marvin & Edmonds (Mr. Louis D. Forward of counsel) for Baker, Jr., et al.

Mr. Charles M. Thomas (Mr. Clarence O. McKay of counsel) for Alther.

JACKSON, J.:

This is an appeal in an interference proceeding from a decision of the Board of Interference Examiners of the United States Patent Office awarding priority of the subject matter of the involved counts to appellee.

The counts are:

1. In the production of polymerized olefins wherein a heated gaseous mixture containing a substantial amount of normally gaseous higher olefins is passed at a temperature not substantially in excess of about 550° F. in contact with a catalyst and the product resulting from the catalyzing operation is subjected to fractional separation in a stabilizing chamber to form a liquid product and a composite normally gaseous product lean with respect to its content of higher olefins, the improvement which comprises withdrawing at least a portion consisting of a controlled quantity of the composite lean gaseous product of the stabilizing operation, and introducing said portion into the catalyzing operation together with fresh heated gaseous mixture containing a substantial amount of higher olefins, whereby a predetermined concentration of higher olefins is maintained in the catalyzing operation.

2. In the production of polymerized olefins wherein a heated gaseous mixture containing a substantial amount of normally gaseous higher olefins is passed at a temperature not substantially in excess of about 550° F. in contact with a catalyst and the product resulting from the catalyzing operation is subjected to fractional separation in a stabilizing chamber to form a liquid product and a composite normally gaseous product lean with respect to its content of higher olefins, the improvement which comprises withdrawing at least a portion consisting of a controlled quantity of the composite lean normally gaseous product and returning said portion to the catalyzing operation, the return of said portion being so regulated as to produce a predetermined concentration of higher olefins in the catalyzing operation.

This cause was originally decided by this court on April 9, 1945. Thereafter, counsel for appellants filed a petition for rehearing. The rehearing was granted solely for the purpose of permitting the court to revise certain language in its original decision to which counsel for appellants directed the court's attention.

On September 23, 1941, the Primary Examiner declared an interference between appellants' Patent No. 2,242,771, issued May 20, 1941, on an application filed June 23, 1937, Serial No. 149,862, and an application of appellee filed July 28, 1941, Serial No. 404,273. That application is a division of application Serial No. 279,668, filed June 17, 1939, which in turn is a continuation of application Serial No. 16,309, filed April 15, 1935.

The invention is sufficiently described in the counts commencing with the words "the improvement which comprises, etc." in each count. The counts are claims copied from the patent with immaterial modifications.

Appellants filed a preliminary statement on November 22, 1941, the earliest date alleged therein being later than appellee's filing date. In response to an order by the Examiner of Interferences to show cause why judgment on the record should not be entered against them, appellants filed a motion to shift the burden of proof, alleging that the divisional application was not entitled to the effective filing date of April 15, 1935, when appellee's first application was filed, for the reason that the subject matter of the counts was neither disclosed nor inherent in appellee's earliest application, and that appellee was estopped to claim priority of invention in the absence of proof of conception coupled with diligence with respect to the invention, for the reason that the assignee of appellee's application had been advised prior to December 27, 1937, of successful commercial operations involving the invention by the assignee of appellants and that notwithstanding such knowledge appellee presented no claim involving the recirculation phase of the invention directly to the catalytic polymerization zone of any hydrocarbons until June 17, 1939, the date of the continuing application, and that no claim corresponding to the specific matter here in issue was made until July 28, 1941, the date of the divisional application. Appellants alleged that such delay in filing constituted prima facie evidence of abandonment and suppression of the involved subject matter and precluded an award of priority on the record in the absence of evidence rebutting such prima facie case.

The Examiner of Interferences dismissed the motion as to the second ground, which he stated "sets forth matters relating to priority," but set the motion for hearing on the first ground before the Primary Examiner, who denied the motion. Another order to show cause was thereupon issued, and in response thereto appellants again requested that times be set for taking of testimony and final hearing for the same reasons alleged in the second part of their response to the original order. Thereafter such times were set. Subsequently appellee filed a motion to vacate that action, on the ground that appellants' response to the order to show cause presented no question upon which testimony is permis-

Condition of Applications Under Examination at Close of Business September 14, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 69,706; Trade-Mark Division, 2,940. Oldest new case, September 1, 1944; oldest amended, September 8, 1944.)
(The dates given are 1944 except where † indicates 1945.)
DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS

	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spitoons; Sewerage.	Dec. 2	Dec. 16	1083
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wingers; Butchering.	Oct. 12	Oct. 17	1287
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20. THOMPSON, T. J., Textiles.	Mar. 20	Feb. 14	492
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27. SOLYOM, H. L., Heating, Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	Oct. 20	Oct. 11	1019
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45. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Nov. 20	Nov. 23	779
46. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part).	Feb. 21	Feb. 24	1223
47. ROEPKE, O. B., Electricity, General Applications; Electric Igniters.	Dec. 12	Dec. 9	1263
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51. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Oct. 23	Nov. 17	1636
52. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifold; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels; Flexible and Portable.	Sept. 1	Sept. 29	1317
53. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Sept. 20	Sept. 20	1392
54. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery Laminated Fabrics (part).	Feb. 7	Jan. 22	929
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56. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Nov. 6	Nov. 6	1147
57. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	Mar. 16	Mar. 21	700
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63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	May 10	May 10	741
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel.	Oct. 18	Oct. 23	1366
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	June 1	June 27	2940
TRADE-MARKS: RICHMOND, F. A.	June 1	July 13	1498
DESIGNS: KALUFY, H. H.			

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

BAKER, JR., ET AL. v. ALTHER
No. 4,994. Decided May 22, 1945
[149 F.(2d) 942; 66 USPQ 41]

1. INTERFERENCE—CONSTRUCTIVE REDUCTION TO PRACTICE.

Where appellee filed an alleged parent application on April 15, 1935, a "continuation" of that application on June 17, 1939, and a "division" of said continuation on July 28, 1941; the continuation was copending with the thereafter abandoned parent case, and the division with the thereafter abandoned continuation; and all three applications disclosed the subject matter of the interference in which the divisional application was involved, Held that appellee was "entitled to the benefit of his earliest date, April 15, 1935, for conception and constructive reduction to practice."

2. SAME—COUNTS—RIGHT TO MAKE—ADMISSION.

"Appellants, in effect, admitted that the counts read on the involved application when they made no motion to dissolve."

3. SAME—SUPPRESSION, CONCEALMENT AND ABANDONMENT.

"Appellee in filing his applications as above set out has done what he is entitled to do under the law, and therefore it is unnecessary to discuss suppression, concealment and abandonment."

APPEAL from the Patent Office. Affirmed.

Messrs. Pennie, Davis, Marvin & Edmonds (Mr. Louis D. Forward of counsel) for Baker, Jr., et al.

Mr. Charles M. Thomas (Mr. Clarence O. McKay of counsel) for Alther.

JACKSON, J.:

This is an appeal in an interference proceeding from a decision of the Board of Interference Examiners of the United States Patent Office awarding priority of the subject matter of the involved counts to appellee.

The counts are:

1. In the production of polymerized olefins wherein a heated gaseous mixture containing a substantial amount of normally gaseous higher olefins is passed at a temperature not substantially in excess of about 550° F. in contact with a catalyst and the product resulting from the catalyzing operation is subjected to fractional separation in a stabilizing chamber to form a liquid product and a composite normally gaseous product lean with respect to its content of higher olefins, the improvement which comprises withdrawing at least a portion consisting of a controlled quantity of the composite lean gaseous product of the stabilizing operation, and introducing said portion into the catalyzing operation together with fresh heated gaseous mixture containing a substantial amount of higher olefins, whereby a predetermined concentration of higher olefins is maintained in the catalyzing operation.

2. In the production of polymerized olefins wherein a heated gaseous mixture containing a substantial amount of normally gaseous higher olefins is passed at a temperature not substantially in excess of about 550° F. in contact with a catalyst and the product resulting from the catalyzing operation is subjected to fractional separation in a stabilizing chamber to form a liquid product and a composite normally gaseous product lean with respect to its content of higher olefins, the improvement which comprises withdrawing at least a portion consisting of a controlled quantity of the composite lean normally gaseous product and returning said portion to the catalyzing operation, the return of said portion being so regulated as to produce a predetermined concentration of higher olefins in the catalyzing operation.

This cause was originally decided by this court on April 9, 1945. Thereafter, counsel for appellants filed a petition for rehearing. The rehearing was granted solely for the purpose of permitting the court to revise certain language in its original decision to which counsel for appellants directed the court's attention.

On September 23, 1941, the Primary Examiner declared an interference between appellants' Patent No. 2,242,771, issued May 20, 1941, on an application filed June 23, 1937, Serial No. 149,862, and an application of appellee filed July 28, 1941, Serial No. 404,273. That application is a division of application Serial No. 279,668, filed June 17, 1939, which in turn is a continuation of application Serial No. 16,309, filed April 15, 1935.

The invention is sufficiently described in the counts commencing with the words "the improvement which comprises, etc." in each count. The counts are claims copied from the patent with immaterial modifications.

Appellants filed a preliminary statement on November 22, 1941, the earliest date alleged therein being later than appellee's filing date. In response to an order by the Examiner of Interferences to show cause why judgment on the record should not be entered against them, appellants filed a motion to shift the burden of proof, alleging that the divisional application was not entitled to the effective filing date of April 15, 1935, when appellee's first application was filed, for the reason that the subject matter of the counts was neither disclosed nor inherent in appellee's earliest application, and that appellee was estopped to claim priority of invention in the absence of proof of conception coupled with diligence with respect to the invention, for the reason that the assignee of appellee's application had been advised prior to December 27, 1937, of successful commercial operations involving the invention by the assignee of appellants and that notwithstanding such knowledge appellee presented no claim involving the recirculation phase of the invention directly to the catalytic polymerization zone of any hydrocarbons until June 17, 1939, the date of the continuing application, and that no claim corresponding to the specific matter here in issue was made until July 28, 1941, the date of the divisional application. Appellants alleged that such delay in filing constituted prima facie evidence of abandonment and suppression of the involved subject matter and precluded an award of priority on the record in the absence of evidence rebutting such prima facie case.

The Examiner of Interferences dismissed the motion as to the second ground, which he stated "sets forth matters relating to priority," but set the motion for hearing on the first ground before the Primary Examiner, who denied the motion. Another order to show cause was thereupon issued, and in response thereto appellants again requested that times be set for taking of testimony and final hearing for the same reasons alleged in the second part of their response to the original order. Thereafter such times were set. Subsequently appellee filed a motion to vacate that action, on the ground that appellants' response to the order to show cause presented no question upon which testimony is permis-

sible. The Examiner of Interferences, after a renewal of that motion by appellee, vacated his action in view of the express waiver of appellee's right to take testimony.

Thereafter appellants moved to reset the times for taking testimony and final hearing, supporting their motion by an affidavit of one of the appellants alleged to support a charge of abandonment, suppression and estoppel and precluding an award of priority to appellee under the doctrine of *Mason v. Hepburn*, 13 App. D. C. 86, 84 O. G. 147.

In his decision on that motion the Examiner of Interferences pointed out that all of the acts referred to therein and in the affidavit took place subsequent to appellee's earliest filing date, April 15, 1935, and stated that if upon final hearing that record date stands there was no possibility that any testimony by appellants with respect to concealment or suppression under the *Mason v. Hepburn* doctrine would have any pertinency, relevancy or utility with respect to priority, and conversely if appellee at the final hearing was held not to be entitled to his earliest date for constructive reduction to practice appellants would be awarded priority on their filing date and testimony would be futile. The Examiner stated that if appellee disclosed the invention defined by the counts in his earliest application and could relate back to that date, the suppression doctrine could not be applied for the reason that appellee would be the first of the parties to take steps to place the invention before the public. The motion of appellants was dismissed. The Board of Interference Examiners thereafter awarded priority of invention of the subject matter of the counts to appellee.

Appellants in their brief state that the two principal questions to be determined on this appeal are, first, does the first application of appellee disclose the subject matter in issue, and, second, assuming that it does contain such disclosure, is appellee entitled to the benefit of the filing date of his earliest application for a constructive reduction to practice or do his actions "under the very unusual circumstances here prevailing" establish prima facie such a suppression as would deprive him of the right to assert priority of invention?

[1] It appears that the drawings in appellee's first application and his continuing application are identical, and that both include the drawing of the last-filed divisional application as part thereof line for line, letter for letter, number for number, and that the specifications of the two former applications with respect to the drawing of the last-filed application read directly thereon.

The claims of the first application were finally rejected and two days before the expiration of the period for response thereto the second or continuing application was filed, the claims thereof, according to appellants, being merely colorably different from those of the first application. The two applications were substantially identical in their specifications except that the second was termed a continuing application. For the reason that the time for appeal

from the rejection of the claims of the first application expired, it became abandoned, but the continuing application was still alive and had been copending with the first application. The claims of the continuation were finally rejected by the Primary Examiner, from which rejection an appeal was taken to the Board of Appeals on July 29, 1941. In view of new grounds of rejection the Primary Examiner withdrew the final rejection and after amendments had been submitted, on September 19, 1942, again finally rejected the claims. No appeal was taken from that decision and the continuing application became abandoned on March 20, 1943. The divisional application was filed July 28, 1941, and was therefore copending with the continuing application.

There can be no question in view of the copendency of each of the latter applications with the former application that appellee is entitled to the benefit of his earliest date, April 15, 1935, for conception and constructive reduction to practice.

[2] Appellants, in effect, admitted that the counts read on the involved application when they made no motion to dissolve. They further admit that the apparatus (which as we have hereinbefore pointed out is contained in the apparatus disclosed in the first application of appellee) could be so operated as to carry out the process here involved. Their contention is that the disclosure of the first application of appellee is "sufficiently indefinite so as not definitely to preclude recirculation of the recycle stock to the catalytic polymerization zone without intervening treatment in the pyrolytic conversion step at a time when the recycle stock happens to be lean with respect to its content of higher olefins, but there is no definite disclosure of such an operation."

Both the Primary Examiner and the Board of Interference Examiners properly held that the two prior applications of appellee set out three alternative routes for his recycle stock. One of these routes includes passing the stock to a heater, after which it passes directly to the polymerization zone. That route meets the limitations of the involved counts, and as we have stated appellants in effect admitted that the counts read on the involved application.

[3] Appellee in filing his applications as above set out has done what he is entitled to do under the law, and therefore it is unnecessary to discuss suppression, concealment and abandonment.

A supplement consisting of a letter from counsel for appellee directed to the Commissioner of Patents in the prosecution of appellee's first application was added to this record upon motion of appellants, consented to by appellee, subject to the taxing of costs. We are of opinion the said supplement was not necessary to a determination of our decision, and therefore costs will be taxed against appellants.

For the reasons hereinbefore stated, the decision of the Board of Interference Examiners is affirmed. Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE ERNST

No. 5,011. Decided May 28, 1945
[150 F.(2d) 133; 66 USPQ 71]

1. PATENTABILITY—PROCESS—REFERENCES.

"Appellant insists that the references relate to patents for devices and not to patents for processes and therefore it was not proper to employ such references in rejecting the appealed claims. In support of this contention, appellant cites the rule of law as stated in *Carnegie Steel Company v. Cambria Iron Company*, 185 U. S. 403, 99 O. G. 1866. The rule of law upon which appellant relies does not apply, however, where the previously patented devices in their normal and usual operation will perform the function which an appellant claims in a subsequent application for a process patent. *In re Earl Ackenbach*, 18 C. C. P. A. (Patents) 769, 772, 45 F.(2d) 437, 7 USPQ 268, 403 O. G. 789."

2. SAME—METHOD OF DRAWING A WORK PIECE.

Certain claims to a method of drawing a work piece held unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Toulmin & Toulmin (Mr. Rowan A. Greer and Mr. Duward C. Staley of counsel) for Ernst.

Mr. W. W. Cochran (Mr. E. L. Reynolds of counsel) for the Commissioner of Patents.

O'CONNELL, J.:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in rejecting, in view of the prior art, claims 19 and 31 of appellant's application for a patent directed to a method of drawing a work piece; claims 22 to 24, 26 to 30, and 32, directed to an apparatus, having been allowed by the Primary Examiner.

The alleged invention relates to "a hydraulic multiple action automobile body press, in which, for shaping the work piece in a plurality of steps, only one power unit is required, acting all the while through the same main ram."

Rejected claims 19 and 31 read as follows:

19. A method of drawing a work piece in a plurality of steps which comprises exerting pressure on the work piece and simultaneously preventing movement of the work piece while it is being drawn to a predetermined extent, and thereafter continuing said pressure in the same direction while yieldingly supporting said work piece.

31. A method of drawing a work piece in a plurality of steps which comprises supporting and clamping the work piece and exerting shaping pressure thereon in one direction and on one side thereof while simultaneously preventing movement of the support for the said work piece, to thereby shape said work piece to a predetermined extent, and, following this shaping operation, continuing to exert shaping pressure on said work piece while continuing the movement of the work piece in the same direction as before while allowing said work piece gradually to recede in a continuous movement toward a stationary die, thereby causing the latter to contact said work piece on the opposite side and to shape said work piece at a portion spaced from the portion shaped during the first mentioned movement of the work piece.

The references relied upon are: Nilson et al., 1,550,387, August 18, 1925; Baum, 1,668,349, May 1, 1928; Rode, 1,772,914, August 12, 1930.

It will be noted that of the two steps described in the appealed claims, the first is "exerting pressure on the work piece and simultaneously preventing movement of the work piece while it is being drawn to a predetermined extent," and the second is "thereafter continuing said pressure in the same direction while yieldingly supporting said work piece."

Assuming that the pressing platen is provided with punches, as described in appellant's specification, and that a work piece supported by the lower die is to be shaped by means of the punches, the clamping platen is then firmly pressed downwardly against the work piece and the punches begin to act upon the work piece, exerting shaping pressure and drawing the work piece into the co-operating recesses in the lower die. This performance, in general, is the first working step described in the appealed claims. Due to the further downward movement of the platen, a stationary punch, reciprocally and centrally located in the bed plate of the apparatus and extending upward, has bulged out the work piece, and the second shaping operation, or working step, is thus completed.

Briefly stated, and omitting references to drawings, the specification of the patent to Nilson et al. describes an apparatus for shaping a metal work piece or blank in two clearly defined steps during one cycle operation of the machine, as follows:

The normal or initial position of the parts, that is with the die elevated and with the draw or blank holding rings in a position that their upper faces will be flush with each other and flush with the top of the forming block, it being of course understood that the fluid in the cylinders which is operating against the respective pistons is of the desired or necessary relative pressures.

The material is then placed upon the forming block so as to extend across and rest upon the upper surfaces of the blank holding or gripping members.

The die is then lowered and the first operation will be the shearing or cutting of the material to the proper shape by means of the cutting edges. As the die continues to descend the edge will depress the portion of the article and shape the same over the forming block and holding ring. At the same time the ring will be lowered. As the ring reaches the position shown, the shoulder of the die co-operates with the upper surface of the ring or member to grip the material therebetween and a further lowering of the die will depress the portion of the material in contact with the shoulders so as to bend the article over the forming block.

This will complete the formation of the article after which the die recedes or is elevated and during this elevation the shaped article will be located in the recess in the die and will ascend therewith. At the proper time the knock out member is operated to eject the completed article.

The patent to Rode discloses that the work piece to be shaped or drawn is supported by the upper surfaces of two dies located in the bed of the double action press and embodying co-operating work gripping and shaping members. These two dies co-operate with two upper dies on the descending ram of the press. The work piece is clamped between one pair of the upper and lower dies as the ram descends and shapes the work piece over one of the two lower dies. After the work piece has thus been shaped in part by the first working step, the ram descends, and in the second working step shapes the remaining portion of the work piece over the other lower die.

The invention of Baum "relates to articles of cellulosic material and a method of manufacture, more especially of such articles formed up from paper sheets, as, for example, certain forms of bottle caps or closures." The specification discloses that the work piece is supported by the upper surface of a lower die, an upper die is then brought down against the upper face of the work piece, thus holding it in position for further forming operations, which comprise; first, exerting pressure in a downward direc-

tion against the upper face of the work piece while the lower die remains stationary, thus shaping the work piece in part. Next the lower die member is moved upwardly and the work piece is further shaped by this second operation. Next the outer die member is brought downwardly to form the outer margin of the work piece into the downwardly extending portion which bears against the outer face of the bottle pouring lip.

It will be noted in the references cited against the appealed claims that the operation of each of the patented presses discloses the shaping of the work piece to a predetermined extent by exerting pressure in a plurality of steps on the work piece and continuing said pressure on the work piece as called for by appellant's claims.

Claim 19, which was described by the Examiner as being "quite broad," recites a method of drawing a work piece which comprises "simultaneously preventing movement of the work piece while it is being drawn to a predetermined extent," which means that the bodily movement of the work piece is prevented, and "continuing said pressure in the same direction while yieldingly supporting said work piece."

The elements which prevent movement in the work sheet while it is being drawn are the forming block and the die in Nilson et al., while in Rode and Baum, movement of the work sheet is prevented by holding or gripping members. Continued pressure in the same direction is clearly defined in the descending pressure against the work piece in both Nilson et al. and Rode, and the work piece is yieldingly supported in the same sense in the cited references as it is in the appellant's specification. As pointed out in the brief of the Solicitor for the Patent Office, "the entire work piece cannot be yieldingly supported, or no drawing would take place."

Claim 31 has been rejected, among other reasons, as unpatentable over Baum. Baum specifies a method for clamping the work piece while shaping pressure is exerted in one direction and during this operation the supporting die remains stationary. Afterwards, pressure is continued to be exerted, and in the second shaping movement, the lower die is moved toward the work piece. If Baum's second step were performed by the descending pressure of the ram instead of moving the lower die upward, appellant's claim 31 would be fully anticipated. This change in method would be obvious to one skilled in the art and therefore would not involve invention. As pointed out in the decision of the Board of Appeals, "while it might be advantageous in heavy presses to have movement in one direction of the moving parts, this feature becomes rather arbitrary when applied to method claims, and where there is nothing in the claim to indicate that operations are applied to any particular size of machine or kind of stock."

[1] Appellant insists that the references relate to patents for devices and not to patents for processes and therefore it was not proper to employ such references in rejecting the appealed claims.

In support of this contention, appellant cites the rule of law as stated in *Carnegie Steel Company v. Cambria Iron Company*, 185 U. S. 403, 99 O. G. 1866. The rule of law upon which appellant relies does not apply, however, where the previously patented devices in their normal and usual operation will perform the function which as appellant claims in a subsequent application for a process patent. *In re Earl Ackenbach*, 18 C. C. P. A. (Patents) 769, 772, 45 F. (2d) 437, 7 USPQ 268, 403 O. G. 789. As hereinbefore described, in their normal and usual operation, the presses disclosed in the cited references perform or will perform the function which appellant claims.

[2] It is our opinion that appellant has not produced a patentably new method of performing work in connection with the shaping of a work piece in an automobile body press.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

Return of Renewal Papers and Fees

When application is made for the renewal of a trademark registration that has expired or has been canceled, or one that was issued under the Act of March 19, 1920, the application papers and the renewal fee will be returned to the applicant without entry. The same practice will be followed where application for renewal is filed more than six months prior to the expiration of the original or previously renewed certificate of registration.

Register of Patents Available for Licensing or Sale

Pat. 2,371,308. POCKET UTENSIL HOLDER. Patented Mar. 13, 1945. Device for uniting, holding, encasing and serving as a handle for such articles as keys, nail files, bottle openers, knife blades, etc. When case is opened one of these articles is projected through a slot which holds it rigid for use when case is closed while others remain encased. Pencil and pad may be removably secured inside cover. Device also functions as flashlight. Fits conveniently into hand, pocket, or handbag. May also be adapted to hold powder, mirror, rouge, lipstick, etc. (Owner) Alfred Mosch. Address correspondence to K. A. Mayr, Attorney, 21 East 40th St., New York 16, N. Y. Groups 31—71; 34—99; 39—72. Reg. No. 374.

Pat. 2,274,605. GRIPPING PAD FOR HANDLES. Patented Feb. 24, 1942. Yieldable pad of sponge rubber built on a suitable base, fits under handle of a sample case, suitcase or overnight bag and is fastened across by means of a slide fastener or "zipper" vulcanized into the base. Prevents blisters and calloused fingers and lessens strain and fatigue. It is inexpensive to manufacture and can be quickly and easily installed. May be made in matching colors. (Owner) Roy Hoffmeister, 344 Windsor Ave., Haddonfield, N. J. Groups 30—52; 31—61—71. Reg. No. 375.

Pat. 2,103,065. NONREFILLABLE BOTTLE. Patented Dec. 21, 1937. Structure formed integral with inside neck portion of bottle embodies double action valve or check system which provides double seal against refilling, even though attempt is made to create a vacuum therein, or by forced draft or blowing. Air inlet facilitates flow of liquid from bottle. Suitable space is left in top of bottle for sealing in usual manner. Is relatively simple and cost of manufacturing proportionately low. (Owner) Emma B. Conkling, 146 Seventh North St., Syracuse 8, N. Y. Groups 32—21; 33—73; 34—99. Reg. No. 376.

Pat. Re. 21,589. METHOD OF TREATING OAKWOOD FOR THE AGING OF SPIRITOUS LIQUORS. Patented Oct. 1, 1940. Reg. No. 377.

Pat. 2,224,352. METHOD OF PROCESSING WOOD FOR THE RAPID MATURATION OF WHISKY AND OTHER ALCOHOLIC LIQUORS AND WINES. Patented Dec. 10, 1940. Reg. No. 378.

Pat. 2,347,783. METHOD OF PROCESSING WOOD FOR THE RAPID MATURATION OF WHISKY AND OTHER ALCOHOLIC LIQUORS AND WINES. Patented May 2, 1944. Reg. No. 379.

The three patents listed above relate to kindred subject matter. Method includes treating comminuted oakwood to produce a prolific growth of cryptogamic spores and fungi *Penicillia*. In actual practice a non-metal container is used in which is placed, for instance, one pound of processed wood and two gallons of white whiskey, contents thoroughly mixed, drained off each second or third day and immediately returned, and allowed to macerate for twenty or thirty days. After final draining it is filtered and bottled after which it continues to mellow and become more ethereal. In a month it is ready for marketing. Possesses same physical, chemical and biological phenomena as will occur over a period of years when treated with unactivated wood. (Owners) Ernst T. Krebs and Ernst T. Krebs, Jr., University of California, Medical School, Department of Anatomy, San Francisco, Calif. Groups 20—84—85; 28—99; 35—51.

Pat. 2,381,262. MEDICAMENT VEHICLES OR EMULSIONS. Patented Aug. 7, 1945. True water-phase fine emulsion free from granulation and having Brownian movements for use alone, or with medicaments suspended, dispersed, or in solution therein. It is substantially free from grease so that it is dispersible with water and with watery and oily exudations and secretions. Does not deteriorate with age and quality, remains same during varying temperatures. It is non-irritating and non-drying. (Owner) Crowe Chemical Company, 6 East 10th St., Tulsa, Okla. Group 28—31. Reg. 380.

Pat. 2,361,821. MOTION CONVERTING MECHANISM. Patented Oct. 31, 1944. For operating reciprocating sucker rods in well pumps, air compressors, jig and hack saws and planes. Continuous rotation of a shaft in one direction produces balanced nonpercussive movements. (Co-owner) Morton B. Crowe, 6 East 10th St., Tulsa, Okla. Groups 33—54; 35—43—61—66. Reg. No. 381.

Pat. 2,206,153. SOLE AND HEEL APPLICATOR. Patented July 2, 1940. Elongated device including fluid-retaining element and wedge-shaped head constructed so that welts or upper faces of sole extensions and lateral faces of the soles and/or heels may be cleaned or polished while upper is protected. Container with which device is used serves as handle. (Owner) Herbert Berggruen, 18443 Littlefield, Detroit 21, Mich. Groups 28—93; 31—41. Reg. No. 382.

Pat. 2,317,339. AUTOMATIC SHIFT POWER TRANSMISSION. Patented Apr. 20, 1943. Particularly of the character wherein expansible V-pulleys are associated with a V-belt to provide a variable drive ratio. Has automatic governing means whereby effective pitch diameter of the driving and driven pulleys are determined by current speed of a driven shaft. (Owner) Electro-Glide Co., 2224 South Boeke St., Kansas City, Kans. Group 38—31. Reg. No. 383.

Pat. 2,379,378. COMBINED SUPPORTING RING AND SAFETY CLOSURE DEVICE FOR FIRE EXTINGUISHERS. Patented June 26, 1945. Split metal band comprises supporting bracket, hinged members and fastening means. When fastened around top edge of tank a portion of band extending inwardly will overlie cap on inlet. Band is notched to fit around outlet. Casing housing fastening means is sealed with paper or other suitable material which prevents access until disrupted. (Owner) Claude Rousseau, % Electrical Mfg. Co. Ltd., Montmagny, Quebec, Canada. Groups 33—73; 39—99. Reg. No. 384.

Pat. 2,270,933. METHOD AND APPARATUS FOR WAVING HAIR. Patented Jan. 27, 1942. Strand is wound in a substantial figure 8 around two tubes held spaced apart by a temporary holder which is disassociated therefrom when the tubes and hair are transferred to a frame. Unwound portion of hair-strand is then wound around a curler which is also mounted in the frame. Hair can be tensioned by spreading tubes apart in frame. Frame has means for gripping hair near scalp. (Owner) Bianca F. Davis, 316 Barr Ave., Teaneck, N. J. Groups 36—21; 39—91. Reg. No. 385.

Pat. 2,339,037. GENERATOR REGULATING SYSTEM. Patented Jan. 11, 1944. Reg. No. 386.

Pat. 2,339,526. CURRENT REGULATING SYSTEM. Patented Jan. 18, 1944. Reg. No. 387.

Pat. 2,358,482. GENERATOR REGULATOR. Patented Sept. 19, 1944. Reg. No. 388.

The three patents listed above relate to kindred subject matter. Constant-voltage regulator and current regulator for variable-speed shunt generators, such as used on automobiles, airplanes, etc. Generator field strength is reduced by inserting resistance in two or more steps rather than in the conventional one step. The resistance across the regulator contacts is reduced to half, and the current thru the contacts is reduced for the same generator performance, thus increasing the life of the contacts. Models have been in service four years. (Owner) Russell Griffith Thompson, 1010 Highland Ave., Rochester 10, N. Y. Groups 36—41; 37—22; 38—31.

Pat. 2,244,479. ANTISWIRL DEVICE. Patented June 3, 1941. Reg. No. 389.

Pat. 2,295,495. WHIRL DEFLECTING VANE FOR HYDRAULIC TURBINES. Patented Sept. 8, 1942. Reg. No. 390.

The two patents listed above relate to kindred subject matter. A yieldingly mounted vane, which can turn about a pivot, is substituted for fixed vanes now commonly used. Applies little or no deflecting force on the stream until whirl becomes excessive and tends to turn vane. Resilient means permits vane to yield to this turning effort to a limited degree only and with progressively increasing resistance thereby effecting a deflecting force. (Owner) Albert F. Anderson, 108 Pierrepont St., Brooklyn 2, N. Y. Group 35—11—61—65.

Pat. 2,112,948. PROPELLER FOR PROPELLING AND STEERING SHIPS. Patented Apr. 5, 1938. Reg. No. 391.

Pat. 2,149,155. PROPELLING DEVICE FOR SHIPS. Patented Feb. 28, 1939. Reg. No. 392.

The two patents listed above relate to propellers of the type employing a thrust casing having a passageway or conduit extending entirely through it in the direction of travel and in which is positioned an impeller which operates to produce a flow of water or other fluid through it and expel the same at the discharge end at an increased velocity. May be adapted to steer a ship. (Owner) Albert F. Anderson, 108 Pierrepont St., Brooklyn 2, N. Y. Groups 34—91; 37—31; 38—31.

Pat. 2,360,731. WEDGE-RING SEAL. Patented Oct. 17, 1944. Reg. No. 393.

Pat. 2,360,734. COMPRESSIBLE SEALING RING. Patented Oct. 17, 1944. Reg. No. 394.

Pat. 2,360,735. LAMINATED SEALING RING. Patented Oct. 17, 1944. Reg. No. 395.

The three patents listed above relate to kindred subject matter. Substantially wedge-shaped resilient sealing ring is adapted to seat in a correspondingly V-shaped groove which is somewhat larger to permit ring to slip or pivot from one side of groove to the other. The seal may be either wholly of one type of resilient material or comprise sections or layers of varying degrees of hardness. Seal is particularly adapted for hydraulic field. (Owner) The Maytag Company, Newton, Iowa. Groups 30—31; 35—61—69.

Pat. 2,360,733. FAUCET CONSTRUCTION. Patented Oct. 17, 1944. Valve having a piston provided with grooves having two resilient wedge shaped sealing rings therein, one near top and other near bottom. When valve is closed bottom ring seals valve in piston-like manner. Top ring functions in conventional manner. Prevents undue pressure being exerted on valve seat. (Owner) The Maytag Company, Newton, Iowa. Group 33—61—66. Reg. No. 396.

Pat. 2,360,732. HYDRAULIC COUPLING. Patented Oct. 17, 1944. Coupling is provided adjacent its opposite ends with V-shaped recesses deep enough to carry lock and co-operating spring washers. Washers fit around, engage and anchor tubing or pipe sections. Device carries two intermediate resilient sealing rings seated in grooves for sealing ends of tubing to prevent escape of fluid. No tools are needed in joining sections together. (Owner) The Maytag Company, Newton, Iowa. Group 35—61—69. Reg. No. 397.

Pat. 2,361,244. PISTON AND PISTON ROD ASSEMBLY. Patented Oct. 24, 1944. For an hydraulic wing flap cylinder wherein rod extends through and beyond opposite ends of piston. One-piece rod with spiral grooves intermediate its ends has a spiral key spring threaded thereon after which piston with mating grooves is threaded onto spring. Rod may be run through a centerless grinder while piston is completely finished before assembly. (Owner) The Maytag Company, Newton, Iowa. Groups 30—31; 35—61—69; 37—22. Reg. No. 398.

Pat. 2,069,522. RELIEF VALVE. Patented Feb. 2, 1937. Valve functions in conventional manner but in addition has piston arrangement and steam deflecting tip positioned below valve seat which, once valve is opened, increases lift of valve seat. (Owner) Algernon F. Flournoy, First National Bank Building, Shreveport, La. Group 33—61—66. Reg. No. 399.

Pat. 1,742,958. ILLUMINATED CONTAINER. Patented Jan. 7, 1930. Vanity case having a lighting unit housed behind the mirror. Mirror is notched to expose bulb which will light when case is opened and be extinguished upon closing of case. May also be adapted to handbags or purses. (Owner) Frederick B. Kaufman, 5021 Walnut St., Philadelphia, Pa. Groups 31—71; 34—51—99. Reg. No. 400.

Pat. 1,979,687. GARMENT HANGER. Patented Nov. 6, 1934. Hanger having reversible arms the position of which is controlled by manipulation of a support upon which arms of hanger are supported. In one position it is adapted for garments having sleeves and in reverse position for sleeveless garments. (Owner) Lewis H. Hall, 118 White St., Springfield, Mass. Groups 25—99; 28—83; 33—41. Reg. No. 401.

Pat. 1,986,939. GASEOUS LUMINOUS TUBING CIRCUIT. Patented Jan. 8, 1935. Circuit arrangement with neon type discharge tubes including a rectifier of either the full or half-wave type employing thermionic or cold cathodes. Controlled flickerings result at such a rate that the object of the display is obtained. (Owner) Hyman Mendelsohn, 1320 51st St., Brooklyn 19, N. Y. Groups 36—19; 39—93. Reg. No. 402.

Pat. 2,113,063. FLUID TESTING APPARATUS. Patented Apr. 5, 1938. Apparatus suitable for testing gases or liquids, the former for the presence of foreign gases or vapors, the latter for pH value or concentration of suspended or dissolved solids. Speed and volume of flow is controlled; safeguard against tearing tape; and provides adaptability to different attachments for reading test spot. Tape can be stopped while test is being performed. Designed to give a series of spot tests on a continuous tape of paper or other porous material. Exhausted gas after test is carried away to prevent tape fogging. (Owners) Albert R. Stryker, 107 Billups Drive, Laurenceburg, Ind., and Richard F. Phipps, 3797 Broadway Drive, Cincinnati, Ohio. Groups 28—89; 35—65; 36—13. Reg. No. 403.

Pat. 2,177,450. SLACK ADJUSTER. Patented Oct. 24, 1939. Reg. No. 404.

Pat. 2,177,451. SLACK ADJUSTER. Patented Oct. 24, 1939. Reg. No. 405.

The two patents listed above relate to slack adjusters which can be used with air brake equipment for railway cars, locomotives and the like without any material change in the rigging thereof. Operates under influence of push rod connected to piston of brake equipment and becomes active upon abnormal travel of the piston. Functions directly and simultaneously with operation of brakes and automatically takes up any slack which may occur as a result of wear upon brake shoes or for any other cause which would effect desired uniform piston travel. Greatly reduces what is commonly known as "undesired action." (Owner) James W. Clark, Monmouth, Ill. Groups 35—69; 37—11—12.

Pat. 2,378,187. DEVICE FOR THROWING MISSILES SUCH AS HAND GRENADES. Patented June 12, 1945. Device comprises hollow handle provided with fixed and movable jaws, springs, and trigger mechanism. By pressing button grenade, bomb, etc. will be released and hurled therefrom while in standing, kneeling, prone or supine position. Is adjustable to accommodate missiles of varying sizes. Its use requires little training and skill. May be used for playing games. (Owner) James W. Clark, Monmouth, Ill. Groups 33—X2—73; 39—41. Reg. No. 406.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 2, 1945

[VOL. 579. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 472,415. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed July 20, 1944.

CERELOSE

FOR HIGHLY REFINED MONOSACCHARIDE DERIVED BY HYDROLYSIS OF POLYMERIC CARBOHYDRATE MATERIALS USED IN FERMENTATION AND CHEMICAL MANUFACTURING PROCESSES AS A RAW MATERIAL IN THE PRODUCTION OF ALCOHOL, ORGANIC ACIDS, AND POLYHYDROXY COMPOUNDS.

Claims use since July 1923.

Ser. No. 476,428. FREDERICK V. FOWLER, doing business as Stanton Supply Co., Boston, Mass. Filed Nov. 14, 1944.

TEDDY

FOR CHAMOIS AND SPONGES.
Claims use since July 3, 1943.

Ser. No. 479,622. HERCULES POWDER COMPANY, Wilmington, Del. Filed Feb. 9, 1945.

NEOLYN

FOR SYNTHETIC RESIN FOR USE IN PROTECTIVE COATINGS, ADHESIVES, PLASTICS, AND PRINTING INKS.

Claims use since June 17, 1943.

Ser. No. 480,263. WITCO CHEMICAL COMPANY, Chicago, Ill. Filed Feb. 26, 1945.

WITCOLAC

FOR GAS CARBON BLACK.
Claims use since January 1936.

Ser. No. 480,265. WITCO CHEMICAL COMPANY, Chicago, Ill. Filed Feb. 26, 1945.

WITCOLITH

FOR GAS CARBON BLACK.
Claims use since January 1936.

Ser. No. 483,950. ALLIED KID COMPANY, Boston, Mass. Filed May 30, 1945. Under 10-year proviso.



FOR KID AND MOROCCO LEATHER.
Claims use since 1891.

Ser. No. 484,420. NATIONAL FOUNDRY SAND CO., Detroit, Mich. Filed June 11, 1945.



FOR GROUND NATURAL ROCK FOR USE AS A REFRACTORY MATERIAL FOR LINING ELECTRIC FURNACES, CUPELOS, AND INDUSTRIAL FURNACES.
Claims use since Feb. 1, 1945.

CLASS 2 RECEPTACLES

Ser. No. 486,034. BABETTE A. FOSTER, doing business as Plastic Articles Company, New York, N. Y. Filed July 20, 1945.

Mara

FOR UNFILLED COMPACTS OF PLASTIC MATERIAL.
Claims use since May 29, 1945.

Ser. No. 486,044. LES PARFUMS DE DANA, Inc., New York, N. Y. Filed July 20, 1945.

ANALERGIC

FOR VANITY CASES, COMPACTS AND LIPSTICK HOLDERS MADE OF BASE METAL AND PLASTIC AND SOLD IN TRADE EMPTY.
Claims use since May 29, 1945.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 475,966. JOHN R. NICHOLS, doing business as Pam Products Co., Seattle, Wash. Filed Nov. 1, 1944.

Pam's
MAGNOSOL

FOR LIQUID PREPARATION FOR USE IN DISHWASHING AND GENERAL CLEANING.
Claims use since Sept. 12, 1944.

Ser. No. 482,739. GLOBE DISINFECTING CO., Inc., New York, N. Y. Filed Apr. 28, 1945.

ROBERT'S

FOR LIQUID CLEANER AND STAIN REMOVER FOR WEARING APPAREL.
Claims use since July 1, 1944.

Ser. No. 482,839. GRATON & KNIGHT COMPANY, Worcester, Mass. Filed May 1, 1945.



The drawing is lined for shading.
FOR BELT DRESSING.
Claims use since 1939.

Ser. No. 482,850. MYRURGIA, S. A., Barcelona, Spain. Filed May 1, 1945.

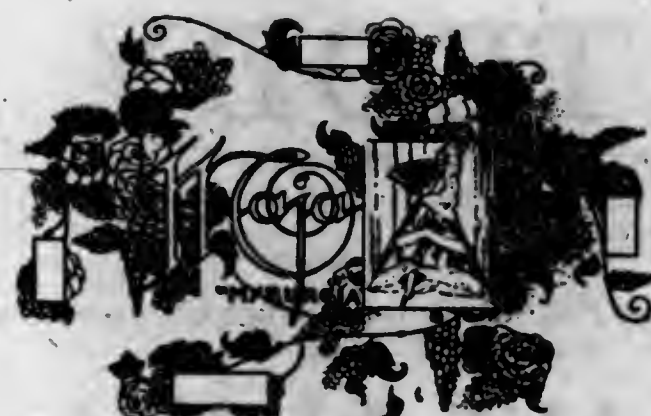


EMBRUJO DE SEVILLA

No claim is made to the word "Sevilla" apart from the mark.

FOR TOILET SOAPS.
Claims use since October 1943.

Ser. No. 483,278. MYRURGIA, S. A., Barcelona, Spain. Filed May 12, 1945.



FOR TOILET SOAPS.
Claims use since Sept. 5, 1918.

Ser. No. 483,279. MYRURGIA, S. A., Barcelona, Spain. Filed May 12, 1945.

Myrurgia

FOR TOILET SOAPS.
Claims use since May 18, 1918.

CLASS 5 ADHESIVES

Ser. No. 484,794. MERRITT PRODUCTS COMPANY, Cleveland, Ohio. Filed June 20, 1945.

PLAS JOIN

FOR ADHESIVE CEMENT.
Claims use since Aug. 1, 1944.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 466,938. FRANK L. BONER, doing business as Lady Joan Laboratories, Reading, Pa. Filed Jan. 28, 1944.

Lady Joan

FOR SACHET PERFUME IN THE FORM OF A CAKE.
Claims use since June 1, 1941.

Ser. No. 471,306. GLOBE LABORATORIES, Fort Worth, Tex. Filed June 16, 1944.

SULFA-UDEROL

The word "Sulfa" is disclaimed apart from the mark.
FOR FLUID SUSPENSION OF A SULFA DRUG FOR USE AS AN ACID IN THE TREATMENT OF BOVINE MASTITIS.
Claims use since Mar. 8, 1944.

Ser. No. 474,416. LUCIEN LELONG, Inc., Chicago, Ill. Filed Sept. 20, 1944.

HAVOC

FOR PERFUMES, COLOGNE, TOILET WATER, FACE POWDER, DUSTING POWDER, SACHET POWDER, TALCUM POWDER, AND LIPSTICK.
Claims use since Feb. 4, 1944.

Ser. No. 476,477. LOUIS NAPOLITAN, doing business as M. Louis Products Co., New York, N. Y. Filed Nov. 15, 1944.

EGGNOG

FOR SHAMPOO.
Claims use since Feb. 15, 1944.

Ser. No. 479,445. MEYER RUBENSTEIN, doing business as The Bestoseal Co., New York, N. Y. Filed Feb. 5, 1945.



FOR LIQUID WOOD PRESERVATIVE IN THE NATURE OF A CHEMICAL PREPARATION.
Claims use since December 1927.

Ser. No. 480,314. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Feb. 28, 1945.

Coprein

FOR CHEMICALLY MODIFIED CORN PROTEIN USED AS A PROTECTIVE COLLOID IN EMULSIONS AND FOAMS AND AS A RAW MATERIAL FOR THE PREPARATION OF AMINO ACID AND AS A BINDER FOR PIGMENTS.
Claims use since Mar. 10, 1944.

Ser. No. 480,366. ASSOCIATED CHEMICALS LIMITED, Richmond, England. Filed Mar. 1, 1945.

PERSOMNIA

FOR SEDATIVE AND SOPORIFIC PHARMACEUTICAL PREPARATION.
Claims use since 1944.

Ser. No. 480,641. ASSOCIATED DISTRIBUTORS, Inc., Chicago, Ill., now by change of name Associated Products, Inc. Filed Mar. 8, 1945.

SEA SHELL

FOR FACE POWDER, FACE MAKE-UP, LIPSTICK, ROUGE, CREAMS FOR THE HANDS AND FACE, AND NAIL POLISH AND NAIL LACQUER FOR FINGER NAILS.
Claims use since Aug. 10, 1944.

Ser. No. 480,813. GEORGE A. BREON & COMPANY, Kansas City, Mo. Filed Mar. 12, 1945.

NISULFAZOLE

FOR COMPOUND FOR THE TREATMENT OF GASTROINTESTINAL INFECTIONS.
Claims use since July 14, 1942.

Ser. No. 481,714. JOHN L. PRIESS, Chicago, Ill. Filed Apr. 4, 1945.

TIP TOP

FOR PERFUME, COLOGNE, TOILET WATER, FACE POWDER, ROUGE, AND NAIL POLISH.
Claims use since July 5, 1941.

Ser. No. 482,824. WHITE LABORATORIES, INC., Newark, N. J. Filed Apr. 30, 1945.

OTOCIL

FOR CHEMOTHERAPEUTIC AGENT FOR TOPICAL USE FOR THE PREVENTION AND TREATMENT OF ACUTE AND CHRONIC LOCALIZED INFECTIONS OF THE MIDDLE AND EXTERNAL EAR.
Claims use since Apr. 24, 1945.

Ser. No. 483,648. BRUNSWIG DRUG COMPANY, also doing business as Angelus Laboratories, Los Angeles, Calif. Filed May 22, 1945.

CHALLENGE

FOR LINIMENT USED AS AN EXTERNAL APPLICATION FOR MUSCULAR SORENESS AND SUPERFICIAL ACHES AND SPRAINS.
Claims use since May 10, 1945.

Ser. No. 483,651. BRUNSWIG DRUG COMPANY, also doing business as Angelus Laboratories, Los Angeles, Calif. Filed May 22, 1945.

KO-CAPS

No Claim is made to the word "Caps" apart from the mark.

FOR CAPSULES FOR TREATMENT OF COLDS.
Claims use since Mar. 10, 1942.

Ser. No. 483,759. HERMAN BERGER, doing business as Standard Pharmaceutical Co., New York, N. Y. Filed May 25, 1945.

DISPERT

FOR SEDATIVE, TONIC, EXPECTORANT, HEMOSTATIC, ANTINEURALGIC, ANALGESIC, ANTI-PYRETIC, AND SPASMODIC PHARMACEUTICAL PREPARATIONS AND PHARMACEUTICAL PREPARATIONS FOR TREATMENT OF THE NERVOUS SYSTEM.
Claims use since Feb. 1, 1944.

Ser. No. 484,038. BORIS TH. SOKOLOFF, Bloomfield, N. J. Filed May 31, 1945.

PET-A-VIM

Applicant disclaims the letter "A" apart from the mark.
FOR VITAMIN FOOD SUPPLEMENT.
Claims use since June 3, 1943.

Ser. No. 484,209. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed June 6, 1945.

ALKON

FOR ALKANOLAMINE CARBONATE POLYMERS.
Claims use since May 1, 1945.

Ser. No. 484,225. THE ARMAND COMPANY, Des Moines, Iowa. Filed June 7, 1945.

ALERTON

FOR ANTISEPTIC AND MEDICATED SKIN CREAM.
Claims use since Jan. 16, 1945.

Ser. No. 484,284. RALPH J. WALKER, doing business as Walker's Medical Arts Pharmacy, Newport News, Va. Filed June 7, 1945.

MASSAGESIQUE

FOR LINIMENT.
Claims use since Feb. 1, 1945.

Ser. No. 484,285. RALPH J. WALKER, doing business as Walker's Medical Arts Pharmacy, Newport News, Va. Filed June 7, 1945.

PECTEMUL

FOR MINERAL OIL EMULSION FOR RELIEF OF CONSTIPATION.
Claims use since Apr. 1, 1945.

Ser. No. 484,310. LEDERLE LABORATORIES, INC., New York, N. Y. Filed June 8, 1945.

DUATOK

FOR SULFATHIAZOLE PREPARATION FOR USE IN VETERINARY MEDICINE.
Claims use since Jan. 12, 1945.

Ser. No. 484,311. LEDERLE LABORATORIES, INC., New York, N. Y. Filed June 8, 1945.

KEMVITE

FOR SULFAQUANIDINE-NIACIN PREPARATION IN POWDER AND TABLET FORM FOR TREATING DISEASES OF LIVESTOCK.
Claims use since May 15, 1945.

Ser. No. 484,316. NYAL COMPANY, Detroit, Mich. Filed June 8, 1945.

TRIPOLIN

FOR MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF HEAD AND CHEST COLDS AND MUSCULAR SORENESS.
Claims use since Apr. 30, 1945.

Ser. No. 484,334. EDWARD H. ARNOTT, doing business as AG Chemical Products, Indianapolis, Ind. Filed June 9, 1945.



FOR STOCK INSECTICIDE.
Claims use since Mar. 19, 1945.

Ser. No. 484,511. WHITE LABORATORIES, INC., Newark, N. J. Filed June 13, 1945.

LIPAMONE

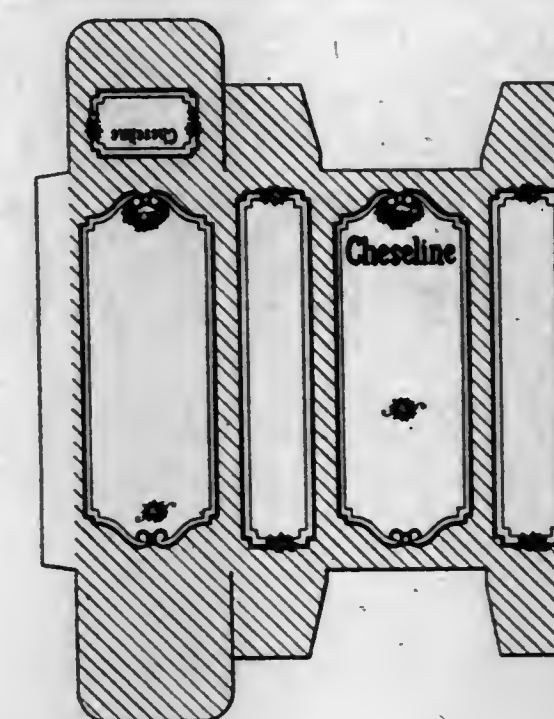
FOR PREPARATION FOR INCREASING BLOOD FAT LEVELS AND ALTERING SEX CHARACTERISTICS IN POULTRY AND ANIMALS.
Claims use since June 4, 1945.

Ser. No. 484,573. LUCIEN LELONG, INC., Chicago, Ill. Filed June 15, 1945.

Maraschino

FOR LIPSTICKS.
Claims use since May 26, 1945.

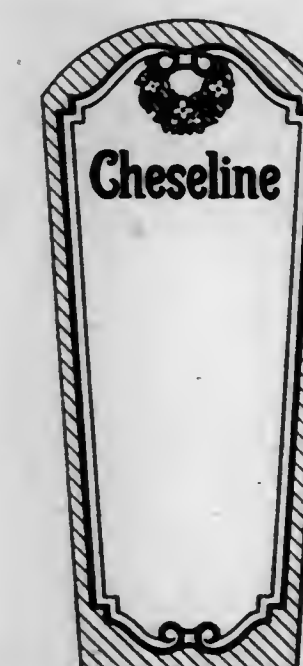
Ser. No. 484,824. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y. Filed June 21, 1945.



The drawing is lined for green. The background of the panels is printed in cream. Applicant makes no claim to the representation of a carton.

FOR HAIR TONIC.
Claims use since February 1938.

Ser. No. 484,825. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y. Filed June 21, 1945.



The drawing is lined for green. The background of the panel is printed in cream. Applicant makes no claim to the representation of a label.

FOR HAIR TONIC.
Claims use since February 1938.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 471,782. "AUTOMATIC" SPRINKLER COMPANY OF AMERICA, Youngstown, Ohio. Filed June 29, 1944.

LIGHTNING HIGH SPEED

No claim is made to the words "High Speed" apart from the mark.

FOR DELUGE SPRINKLER UNITS, PIPING, VALVES, AND SPRINKLERS THEREFOR.
Claims use since Jan. 15, 1943.

Ser. No. 481,714. JOHN L. PRIESS, Chicago, Ill. Filed Apr. 4, 1945.

TIP TOP

FOR PERFUME, COLOGNE, TOILET WATER, FACE POWDER, ROUGE, AND NAIL POLISH.
Claims use since July 5, 1941.

Ser. No. 482,824. WHITE LABORATORIES, INC., Newark, N. J. Filed Apr. 30, 1945.

OTOCIL

FOR CHEMOTHERAPEUTIC AGENT FOR TOPICAL USE FOR THE PREVENTION AND TREATMENT OF ACUTE AND CHRONIC LOCALIZED INFECTIONS OF THE MIDDLE AND EXTERNAL EAR.
Claims use since Apr. 24, 1945.

Ser. No. 483,648. BRUNSWIG DRUG COMPANY, also doing business as Angelus Laboratories, Los Angeles, Calif. Filed May 22, 1945.

CHALLENGE

FOR LINIMENT USED AS AN EXTERNAL APPLICATION FOR MUSCULAR SORENESS AND SUPERFICIAL ACES AND SPRAINS.
Claims use since May 10, 1945.

Ser. No. 483,651. BRUNSWIG DRUG COMPANY, also doing business as Angelus Laboratories, Los Angeles, Calif. Filed May 22, 1945.

KO-CAPS

No Claim is made to the word "Caps" apart from the mark.
FOR CAPSULES FOR TREATMENT OF COLDS.
Claims use since Mar. 10, 1942.

Ser. No. 483,759. HERMAN BERGER, doing business as Standard Pharmaceutical Co., New York, N. Y. Filed May 25, 1945.

DISPERT

FOR SEDATIVE, TONIC, EXPECTORANT, HEMOSTATIC, ANTINEURALGIC, ANALGESIC, ANTI-PYRETIC, AND SPASMODIC PHARMACEUTICAL PREPARATIONS AND PHARMACEUTICAL PREPARATIONS FOR TREATMENT OF THE NERVOUS SYSTEM.
Claims use since Feb. 1, 1944.

Ser. No. 484,038. BORIS TH. SOKOLOFF, Bloomfield, N. J. Filed May 31, 1945.

PET-A-VIM

Applicant disclaims the letter "A" apart from the mark.
FOR VITAMIN FOOD SUPPLEMENT.
Claims use since June 3, 1943.

Ser. No. 484,209. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed June 6, 1945.

ALKON

FOR ALKANOLAMINE CARBONATE POLYMERS.
Claims use since May 1, 1945.

Ser. No. 484,225. THE ARMAND COMPANY, Des Moines, Iowa. Filed June 7, 1945.

ALERTON

FOR ANTISEPTIC AND MEDICATED SKIN CREAM.
Claims use since Jan. 16, 1945.

Ser. No. 484,284. RALPH J. WALKER, doing business as Walker's Medical Arts Pharmacy, Newport News, Va. Filed June 7, 1945.

MASSAGESIQUE

FOR LINIMENT.
Claims use since Feb. 1, 1945.

Ser. No. 484,285. RALPH J. WALKER, doing business as Walker's Medical Arts Pharmacy, Newport News, Va. Filed June 7, 1945.

PECTEMUL

FOR MINERAL OIL EMULSION FOR RELIEF OF CONSTIPATION.
Claims use since Apr. 1, 1945.

Ser. No. 484,310. LEDERLE LABORATORIES, INC., New York, N. Y. Filed June 8, 1945.

DUATOK

FOR SULFATHIAZOLE PREPARATION FOR USE IN VETERINARY MEDICINE.
Claims use since Jan. 12, 1945.

Ser. No. 484,311. LEDERLE LABORATORIES, INC., New York, N. Y. Filed June 8, 1945.

KEMVITE

FOR SULFAQUANIDINE-NIACIN PREPARATION IN POWDER AND TABLET FORM FOR TREATING DISEASES OF LIVESTOCK.
Claims use since May 15, 1945.

Ser. No. 484,316. NYAL COMPANY, Detroit, Mich. Filed June 8, 1945.

TRIPOLIN

FOR MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF HEAD AND CHEST COLDS AND MUSCULAR SORENESS.
Claims use since Apr. 30, 1945.

Ser. No. 484,334. EDWARD H. ARNOTT, doing business as AG Chemical Products, Indianapolis, Ind. Filed June 9, 1945.



FOR STOCK INSECTICIDE.
Claims use since Mar. 19, 1945.

Ser. No. 484,511. WHITE LABORATORIES, INC., Newark, N. J. Filed June 13, 1945.

LIPAMONE

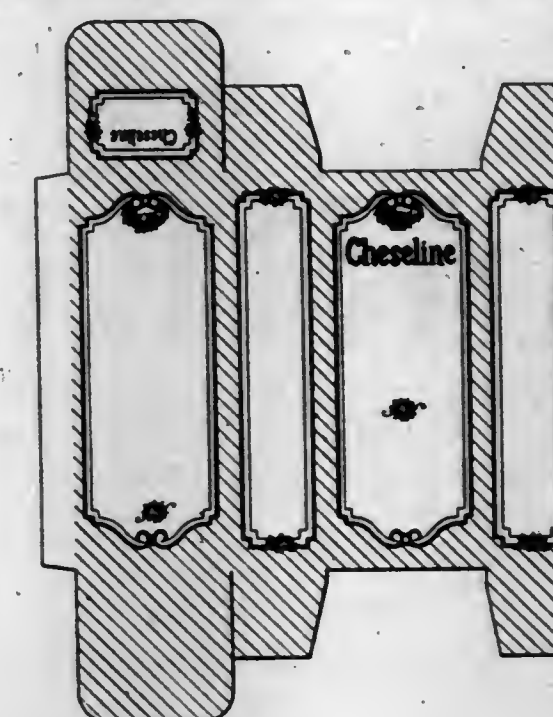
FOR PREPARATION FOR INCREASING BLOOD FAT LEVELS AND ALTERING SEX CHARACTERISTICS IN POULTRY AND ANIMALS.
Claims use since June 4, 1945.

Ser. No. 484,573. LUCIEN LELONG, INC., Chicago, Ill. Filed June 15, 1945.

Maraschino

FOR LIPSTICKS.
Claims use since May 26, 1945.

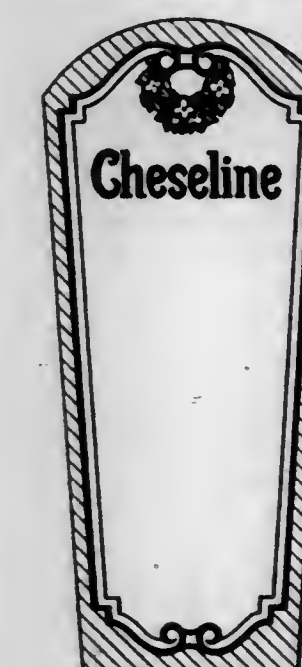
Ser. No. 484,824. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y. Filed June 21, 1945.



The drawing is lined for green. The background of the panels is printed in cream. Applicant makes no claim to the representation of a carton.

FOR HAIR TONIC.
Claims use since February 1938.

Ser. No. 484,825. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y. Filed June 21, 1945.



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FOR HAIR TONIC.
Claims use since February 1938.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 471,782. "AUTOMATIC" SPRINKLER COMPANY OF AMERICA, Youngstown, Ohio. Filed June 29, 1944.

LIGHTNING HIGH SPEED

No claim is made to the words "High Speed" apart from the mark.

FOR DELUGE SPRINKLER UNITS, PIPING, VALVES, AND SPRINKLERS THEREFOR.
Claims use since Jan. 15, 1943.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 469,810. THOMAS R. GARDINER, doing business as Gardiner Mfg. Co., Oakland, Calif. Filed Apr. 29, 1944.

GARCO

FOR UNFINISHED OR PARTLY FINISHED OR SEMI-FABRICATED CASTINGS AND FORGINGS FOR MECHANICAL APPARATUS AND TOOLS GENERALLY AND PARTS THEREOF.

Claims use since June 1937.

Ser. No. 482,402. SUMET CORPORATION, Buffalo, N. Y. Filed Apr. 20, 1945.



Applicant is the owner of the mark disclosed in registration No. 185,385. The word "Products" is disclaimed apart from the mark.

FOR BEARING METALS, CORED AND SOLID BARS, GEAR BLANKS, CASTINGS, AND DRAWN RODS, ALL MADE OF BRONZE.

Claims use since Oct. 19, 1923.

Ser. No. 484,069. N. A. WOODWORTH COMPANY, Ferndale, Mich. Filed June 1, 1945.

NAWLIDE

FOR FERROUS METAL ALLOY.

Claims use since May 10, 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 484,067. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio. Filed June 1, 1945.

TREM-TRED

FOR PROTECTIVE FLOOR COATINGS IN LIQUID FORM FOR THE WATERPROOFING AND THE PRESERVING OF FLOOR SURFACES AND THE LIKE.

Claims use since May 9, 1945.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 481,613. CIPUENTES Y COMPANIA, Habana, Cuba. Filed Apr. 2, 1945.

HB

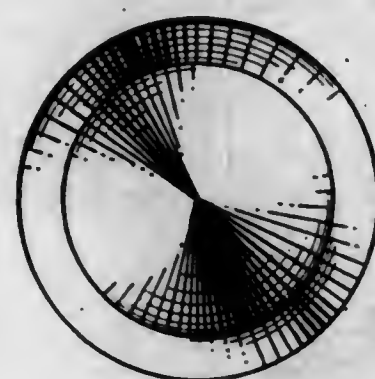
FOR CIGARS.

Claims use since Aug. 17, 1934.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 478,788. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Jan. 19, 1945.



The mark consists of an obtuse cone concentrically positioned within a circular furrow impressed or cut in the bottom of the electrode socket.

FOR CARBON ELECTRODES AND GRAPHITE ELECTRODES.

Claims use since July 26, 1944.

Ser. No. 484,883. CRYSTAL RESEARCH LABORATORIES, INCORPORATED, Hartford, Conn. Filed June 22, 1945.

Crystalab

FOR CRYSTALS AND CRYSTAL UNITS FOR ELECTRONIC USE.

Claims use since Feb. 7, 1945.

Ser. No. 485,451. PRESSED STEEL CAR COMPANY, INC., Pittsburgh, Pa. Filed July 4, 1945.

PRESTELINE

FOR ELECTRIC COOKING STOVES AND RANGES.

Claims use since June 25, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 478,983. PLASTIC ENGINEERING, INC., Cleveland, Ohio. Filed Dec. 30, 1944.

COMMANDER

FOR MOLDED THERMO-PLASTIC WHISTLES.

Claims use since Aug. 25, 1944.

Ser. No. 486,715. JAMES HEDDON'S SONS, Dowagiac, Mich. Filed Aug. 4, 1945.

Rip-Tide

FOR FISHING RODS.

Claims use since Jan. 10, 1940.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 477,279. LOWELL & GRAYSON, Monrovia, Calif. Filed Dec. 8, 1944.

TungTip

The word "Tip" is disclaimed apart from the mark as a whole.

FOR MILLING CUTTERS.

Claims use since Sept. 5, 1944.

Ser. No. 484,891. THE GOODYEAR TIRE & RUBBER COMPANY, INC., Akron, Ohio. Filed June 22, 1945.

See-bee

FOR OUTBOARD MOTORS.

Claims use since June 8, 1945.

Ser. No. 484,989. THE TOLEDO GENERAL MANUFACTURING COMPANY, Toledo, Ohio. Filed June 23, 1945.

Demco

FOR DRILL PRESSES.

Claims use since 1918.

Ser. No. 485,265. THE CONTINENTAL SUPPLY COMPANY, Dallas, Tex. Filed June 30, 1945.

CS CO

FOR RECIPROCATING, CENTRIFUGAL, AND ROTARY PUMPS; HORIZONTAL AND VERTICAL ENGINES OF DIESEL OR DISTILLATE TYPE (USING GAS, BUTANE OR GASOLINE) FOR USE IN DRILLING, PUMPING, OR ELECTRICAL SERVICE; ALSO UNIT PUMPERS.

Claims use since May 31, 1945.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 483,868. OTTO NIEDERER SONS, INC., Titusville, N. J. Filed May 28, 1945.



Applicant makes no claim of exclusive rights in the representation of an egg or to the words "Candler & Grader" except as used in combination with other features of the mark.

FOR APPARATUS FOR CANDLING, GRADING, AND HANDLING EGGS.

Claims use since January 1939.

Ser. No. 484,671. EDWIN ELSTON, Los Angeles, Calif. Filed June 18, 1945.



POSTOCHROME

FOR SENSITIZED PHOTOGRAPHIC FILMS.

Claims use since Feb. 10, 1945.

Ser. No. 485,441. GRANT PHOTO PRODUCTS, INCORPORATED, New York, N. Y. Filed July 4, 1945.

QUIX

FOR SENSITIZED PHOTOGRAPHIC PAPER.

Claims use since Mar. 7, 1945.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 482,862. ZELL BROS., Portland, Oreg. Filed May 1, 1945.



FOR STERLING SILVER KNIVES, FORKS, SPOONS, TRAYS, TEA SETS, GOBLETS, AND SUGAR AND CREAMERS; ALSO FOR THE SAME GOODS IN PLATED WARE.

Claims use since Mar. 15, 1945.

Ser. No. 483,373. B. HECKER COMPANY, New York, N. Y. Filed May 15, 1945.

Lu Benay

FOR JEWELRY MADE OF OR ORNAMENTED WITH PRECIOUS OR SEMI-PRECIOUS METAL OR ORNAMENTED WITH IMITATIONS OF PRECIOUS STONES—NAMES, ROSARIES, COMPACTS, LOCKETS, NECKLACES, CUFF LINKS, PENDANTS, RINGS, PINS, PIN AND EARRING SETS, CROSSES, BADGES, DOG CHAINS, BRACELETS, CHARMS, BARRETTES, BROOCHES, LIGHTERS, AND DRESSER SETS; AND IMITATION PEARLS AND PEARLS.

Claims use since Mar. 15, 1945.

Ser. No. 484,182. THE RICHTER & PHILLIPS Co., doing business as Consumers Merchandise Mart, Cincinnati, Ohio. Filed June 5, 1945.

"SULTANA"

FOR BRACELETS AND OTHER ARTICLES OF JEWELRY FOR PERSONAL ADORNMENT, MADE IN WHOLE OR IN PART OF PRECIOUS METALS, NOT INCLUDING WATCHES.

Claims use since Dec. 10, 1943.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 486,053. MONITOR EQUIPMENT CORPORATION, New York, N. Y. Filed July 20, 1945.

MONITOR

FOR REFRIGERATORS.
Claims use since Feb. 12, 1945.

Ser. No. 486,054. MONITOR EQUIPMENT CORPORATION, New York, N. Y. Filed July 20, 1945.



FOR REFRIGERATORS.
Claims use since Feb. 12, 1945.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 482,406. WILLIAMSBURG PUBLISHING Co. Inc., New York, N. Y. Filed Apr. 20, 1945.

A Laff Craft Card
CREATED BY MEMORY LANE

No claim is made to the words "Created By" and "Card" apart from the mark.

FOR GREETING CARDS.
Claims use since Feb. 5, 1945.

Ser. No. 484,481. JOSEPH CLYNE, New York, N. Y. Filed June 13, 1945.

Originator

FOR PERIODICAL PUBLICATION DEVOTED TO FASHIONS.
Claims use since May 5, 1945.

Ser. No. 484,484. KEN CROSSEN, doing business as Facts & Fiction Publications, New York, N. Y. Filed June 13, 1945.

GOLDEN LAD

FOR PERIODICAL MAGAZINES PUBLISHING COMIC STRIPS AND SHORT STORIES.
Claims use since Apr. 19, 1945.

CLASS 39

CLOTHING

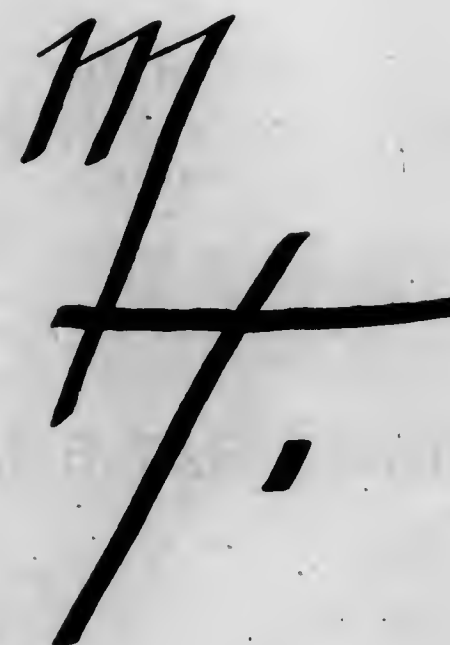
Ser. No. 472,272. CALZADO DOMIT, S. A., Mexico City, Mexico. Filed July 15, 1944.



FOR SHOES MADE OF LEATHER, FABRIC, RUBBER AND COMBINATIONS THEREOF FOR MEN, WOMEN, AND CHILDREN.

Claims use since April 1933.

Ser. No. 473,316. HELENE HALLGARTEN, New York, N. Y. Filed Aug. 16, 1944.



FOR HANDKERCHIEFS, NECK SCARVES, AND HEAD SCARVES.

Claims use since July 15, 1944.

579 O. G.—2

Ser. No. 476,129. ASSOCIATED KNITTED OUTERWEAR MILLS, Inc., New York, N. Y. Filed Nov. 6, 1944.

AKOM
Pep-shirt

The word "Shirt" is disclaimed apart from the mark.
FOR MEN'S AND BOYS' SHIRTS.
Claims use since Oct. 27, 1944.

Ser. No. 479,338. GLASGOW SPORTSWEAR COMPANY, New York, N. Y. Filed Feb. 2, 1945.

Scotch Princess
FASHIONED BY GLASGOW

No claim is made to the words "Scotch" and "Fashioned by Glasgow" apart from the mark.

FOR GIRLS' AND WOMEN'S SPORTSWEAR—NAMES, SWEATERS, SUITS, SKIRTS, BLOUSES.
Claims use since Jan. 6, 1945.

Ser. No. 479,424. JAMES CRAIG—CALIFORNIA, Los Angeles, Calif. Filed Feb. 5, 1945.

Tedi Barri

FOR DRESSES FOR THE USE OF WOMEN, MISSES, AND GIRLS.
Claims use since Dec. 6, 1944.

Ser. No. 483,348. SERGEE RUDOLPH, New York, N. Y. Filed May 14, 1945.

Sergee OF CALIFORNIA

The words "Of California" are disclaimed apart from the mark as shown.

FOR LADIES' AND MISSES' DRESSES.
Claims use since Jan. 10, 1944.

Ser. No. 484,705. ROBURN SPORTSWEAR CORP., New York, N. Y. Filed June 18, 1945.

Roburn

FOR MEN'S AND BOYS' DRESS AND SPORT SHIRTS.
Claims use since Apr. 26, 1945.

Ser. No. 484,707. ROTARY SHIRT CO., INC., New York, N. Y. Filed June 18, 1945.

PENTAGON

FOR MEN'S AND BOYS' DRESS AND SPORT SHIRTS.
Claims use since May 2, 1945.

Ser. No. 484,817. ASSOCIATED KNITTED OUTERWEAR MILLS, INC., New York, N. Y. Filed June 21, 1945.

AKOM SIDE-KICK

FOR MEN'S, BOYS', AND CHILDREN'S UNDERWEAR AND KNITTED OUTERWEAR—NAMESLY, SWEATERS, INCLUDING PULLOVERS AND BUTTONED SWEATERS; JACKETS AND SPORT COATS.
Claims use since June 1, 1945.

Ser. No. 485,520. SAMUEL EDWARD ZUCKERMAN, New York, N. Y. Filed July 6, 1945.

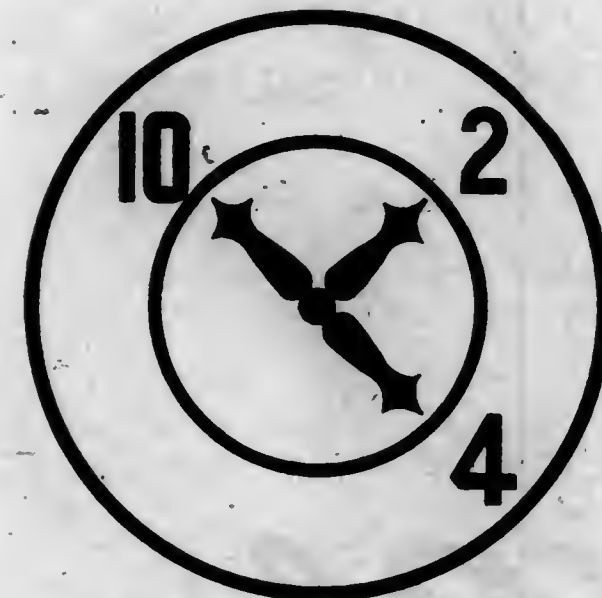


The geographical name "New York" is disclaimed apart from the mark as shown.
FOR WOMEN'S COATS, SUITS, AND DRESSES.
Claims use since June 1, 1944.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 485,629. DR. PEPPER COMPANY, Dallas, Tex. Filed July 10, 1945.



FOR NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS FOR MAKING THE SAME.
Claims use since Dec. 1, 1927.

Ser. No. 485,630. DR. PEPPER COMPANY, Dallas, Tex. Filed July 10, 1945.



FOR NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS FOR MAKING THE SAME.
Claims use since Oct. 1, 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 472,127. SHEDD-BARTUSH FOODS, INC., Detroit, Mich. Filed July 11, 1944.

Willow Run

FOR OLEOMARGARINE.
Claims use since Feb. 21, 1944.

Ser. No. 482,302. CHAS. G. SUMMERS, JR., INCORPORATED, New Freedom, Pa. Filed Apr. 18, 1945.

LIMAGRANDES

No claim is made to the letters or word "Lima" apart from the mark shown.
FOR CANNED BEANS.
Claims use since Apr. 1, 1945.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 481,623. EDWARD FLIEGEL, Brooklyn, N. Y. Filed Apr. 2, 1945.

WONDER RAT BOARDS

The words "Rat Boards" are disclaimed apart from the mark.
FOR RAT TRAPS CONSISTING OF ADHESIVELY COATED BOARDS FOR USE IN CATCHING RATS.
Claims use since Sept. 1, 1943.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

OCTOBER 2, 1945

416,803. RELATIVELY THIN, FLEXIBLE, TRANSLUCENT AND TRANSPARENT SHEET MATERIALS REINFORCED, ETC. HAROLD WARP, doing business as Flex-O-Glass Manufacturing Co. and Warp Brothers, Chicago, Ill.

Filed February 11, 1943. Serial No. 458,488. PUBLISHED MAY 1, 1945. Class 50.

416,804. SHOE TREES. MISSISSIPPI VALLEY LAST COMPANY, St. Louis, Mo.

Filed March 15, 1943. Serial No. 459,124. PUBLISHED JULY 24, 1945. Class 50.

416,805. PHOTOGRAPHIC MATERIALS—NAMESLY, SENSITIZED PAPERS AND CLOTHS. CHARLES BRUNING COMPANY, INC., New York, N. Y.

Filed April 27, 1943. Serial No. 460,209. PUBLISHED JULY 24, 1945. Class 26.

416,806. PRESERVED FISH, SUCH AS SARDINES PACKED IN TIN CANS OR OTHER CONTAINERS. BENVENUTO, SOCIEDAD ANONIMA COMERCIAL E INDUSTRIAL, Buenos Aires, Argentina.

Filed September 13, 1943. Serial No. 463,375. PUBLISHED JULY 24, 1945. Class 46.

416,807. FRESH FRUITS—NAMESLY, FRESH GRAPES. AND FRESH MELONS. J. BAUMBACH, Escalon, Calif.

Filed October 4, 1943. Serial No. 463,862. PUBLISHED JULY 24, 1945. Class 46.

416,808. FIRE DOORS FOR BUILDINGS, BOILER STACKS, SMOKE FUNNELS, INDUSTRIAL TYPE STEEL BUILDINGS, METAL DOORS, METAL CONCRETE FORMS, PENSTOCKS, AND STEEL BRIDGES. HARRY DARBY, doing business as Harry Darby, Manufacturer, Kansas City, Kans.

Filed October 9, 1943. Serial No. 464,018. PUBLISHED JULY 24, 1945. Class 12.

416,809. CRACKER. ALBERT P. DE SANNO, JR., Phoenixville, Pa.

Filed December 8, 1943. Serial No. 465,623. PUBLISHED JULY 24, 1945. Class 46.

416,810. PERFUME. MARY DUNHILL, INC., New York, N. Y.

Filed November 2, 1943. Serial No. 464,603. PUBLISHED JULY 10, 1945. Class 6.

416,811. OFFSET PRINTING PLATES COMPRISING A WATER-RECEPTIVE COLLOIDAL COATING SUPPORTED ON A BASE MEMBER WHICH IS CHARACTERIZED BY FLEXIBILITY AND SUBSTANTIAL WATER-REPELLENCY. THE PLASTOLITH COMPANY, Boston, Mass.

Filed February 18, 1944. Serial No. 467,536. PUBLISHED JULY 24, 1945. Class 50.

416,812. SHAVING BRUSHES. LIGHTFOOT SCHULTZ Co., New York, N. Y., and Hoboken, N. J.

Filed March 21, 1944. Serial No. 468,489. PUBLISHED JULY 24, 1945. Class 29.

416,813. PREPARATION FOR ELIMINATION OF WORMS IN LIVESTOCK; INSECTICIDES; INSECTICIDAL LIQUID DIP, AND SUPPLEMENTAL MINERAL FEEDS FOR HOGS, HORSES, CATTLE, SHEEP, AND POULTRY. E. M. PEET MANUFACTURING COMPANY, Council Bluffs, Iowa, Indianapolis, Ind. and Oakland, Calif.

Filed March 29, 1944. Serial No. 468,814. PUBLISHED JULY 17, 1945. Class 6.

416,814. INSECTICIDE FOR EXTERMINATION OF INSECTS. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.

Filed April 13, 1944. Serial No. 469,309. PUBLISHED JULY 24, 1945. Class 6.

416,815. EMBOSSED PAPER NAPKINS. THE TISSUE COMPANY, Saugerties, N. Y.

Filed April 25, 1944. Serial No. 469,658. PUBLISHED JULY 24, 1945. Class 37.

416,816. TABLE MATS MADE OF CORK OR PLYWOOD AND COVERED WITH A LAYER OF PAPER OR LINEN. FRANK & SADEV, New York, N. Y.

Filed May 12, 1944. Serial No. 470,183. PUBLISHED JULY 24, 1945. Class 50.

416,817. WATER SOLUBLE UREA FORMALDEHYDE COMPOUND FOR USE AS A TEXTILE SIZE ON COTTON, RAYON, AND WOOL FABRICS, WHICH IS POLYMERIZED TO A RESIN IN THE FIBERS TO IMPART CRUSH-PROOF PROPERTIES AND TO CONTROL SHRINKAGE. ALCO OIL AND CHEMICAL CORP., Philadelphia, Pa.

Filed May 16, 1944. Serial No. 470,286. PUBLISHED APRIL 10, 1945. Class 1.

416,818. TALCUM POWDER, PARTICULARLY TALCUM POWDER IN STICK FORM. REMINGTON RAND INC., Buffalo, N. Y.

Filed July 28, 1944. Serial No. 472,710. PUBLISHED JULY 17, 1945. Class 6.

416,819. ARTIFICIAL TEETH; ARTIFICIAL PARTS OF TEETH; SYNTHETIC RESINS FOR THE MANUFACTURE OF ARTIFICIAL TEETH AND FOR APPLICATION TO NATURAL TEETH IN DENTISTRY. I. C. I. (PLASTICS) LIMITED, Slough, England.

Filed August 22, 1944. Serial No. 473,506. PUBLISHED JULY 24, 1945. Class 44.

416,820. WALL AND CEILING BOARD MADE OF TEMPERED, PRESSED BOARD CONSISTING OF SHREDDED WOOD FIBER, ETC. CORALTEX, INC., Los Angeles, Calif.

Filed September 13, 1944. Serial No. 474,153. PUBLISHED JULY 17, 1945. Class 12.

416,821. WALL AND CEILING BOARD MADE OF TEMPERED, PRESSED BOARD CONSISTING OF SHREDDED WOOD FIBER, ETC. CORALTEX, INC., Los Angeles, Calif.

Filed September 13, 1944. Serial No. 474,154. PUBLISHED JULY 17, 1945. Class 12.

416,822. TWINE. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill.

Filed October 4, 1944. Serial No. 474,898. PUBLISHED JULY 24, 1945. Class 7.

416,823. TWINE. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill.

Filed October 4, 1944. Serial No. 474,899. PUBLISHED JULY 24, 1945. Class 7.

416,824. MILK COOLERS, CONDENSING UNITS, WATER COOLERS, BOTTLE COOLERS, CHEST-TYPE FREEZERS, REFRIGERATORS, REFRIGERATOR UNITS, AND PARTS THEREOF. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill.

Filed October 4, 1944. Serial No. 474,906. PUBLISHED JULY 24, 1945. Class 31.

- 416,825. MILK COOLERS, CONDENSING UNITS, WATER COOLERS, BOTTLE COOLERS, CHEST-TYPE FREEZERS, REFRIGERATORS, REFRIGERATOR UNITS, AND PARTS THEREOF. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill.
Filed October 4, 1944. Serial No. 474,907. PUBLISHED JULY 24, 1945. Class 31.
- 416,826. CHEMICAL OIL OBTAINED BY VACUUM DISTILLATION OF FISH OILS AND HAVING A GENERAL USE IN THE INDUSTRIAL ARTS. DISTILLATION PRODUCTS, INC., Rochester, N. Y.
Filed October 27, 1944. Serial No. 475,751. PUBLISHED JULY 17, 1945. Class 6.
- 416,827. BILE AND VITAMIN COMBINATION. PARKE, DAVIS & COMPANY, Detroit and Joseph Campau at the River, Mich.
Filed October 28, 1944. Serial No. 475,810. PUBLISHED JULY 24, 1945. Class 6.
- 416,828. CHEMICAL PREPARATION FOR THE TREATMENT OF WASHABLE FABRICS TO RENDER THE FABRICS WATERPROOF OR MOISTURE RESISTANT. THE STAMINITE CORPORATION, New Haven, Conn.
Filed November 2, 1944. Serial No. 476,035. PUBLISHED JULY 24, 1945. Class 6.
- 416,829. CHEMICAL COMPOUNDS, PREPARATIONS, AND POWDERS FOR USE IN PRODUCING VARYING COLORS IN BURNING FUEL. EDWARD A. BROWN, Newton Highlands, Mass.
Filed November 16, 1944. Serial No. 476,496. PUBLISHED JULY 24, 1945. Class 6.
- 416,830. SEDATIVE ELIXIR. FELLOWS MEDICAL MANUFACTURING COMPANY, INC., New York, N. Y.
Filed November 16, 1944. Serial No. 476,500. PUBLISHED JULY 24, 1945. Class 6.
- 416,831. EGG NOODLES. ST. LOUIS MACARONI MFG. CO., St. Louis, Mo.
Filed November 16, 1944. Serial No. 476,534. PUBLISHED JULY 24, 1945. Class 46.
- 416,832. PERFUME, TOILET WATER, DUSTING POWDER, BUBBLE BATH LIQUID, BUBBLE BATH POWDER, AND SACHET. CEDA DISTRIBUTING CO., Rochester, N. Y.
Filed December 5, 1944. Serial No. 477,247. PUBLISHED JULY 24, 1945. Class 6.
- 416,833. CREAM FOR THE FACE. HATTIE CARNEGIE, INC., New York, N. Y.
Filed December 8, 1944. Serial No. 477,319. PUBLISHED JULY 17, 1945. Class 6.
- 416,834. PASTE MADE FROM METHYL METHACRYLATE POWDER AND LIQUID WHICH WHEN POURED ON DENTURE PLATES FORMS A LINER THEREFOR. ROCKLAND DENTAL CO., INC., Sparkill, N. Y.
Filed December 13, 1944. Serial No. 477,530. PUBLISHED MARCH 20, 1945. Class 44.
- 416,835. PHONOGRAPH RECORDS. LELAND J. ARMS, San Francisco, Calif.
Filed December 14, 1944. Serial No. 477,541. PUBLISHED JULY 24, 1945. Class 36.
- 416,836. PHONOGRAPH RECORDS. LELAND J. ARMS, San Francisco, Calif.
Filed December 14, 1944. Serial No. 477,542. PUBLISHED JULY 24, 1945. Class 36.
- 416,837. INSECTICIDES. SIEGFRIED STERN, doing business as Relaco Manufacturing Co., New York, N. Y.
Filed December 16, 1944. Serial No. 477,673. PUBLISHED JULY 17, 1945. Class 6.
- 416,838. CANNED PEAS. MAYVILLE CANNING COMPANY, Mayville, Wis.
Filed December 21, 1944. Serial No. 477,809. PUBLISHED JULY 24, 1945. Class 46.

- 416,839. NON-ELECTRICAL ADVERTISING DISPLAY SIGNS. FEDERAL ELECTRIC COMPANY, INC., Chicago, Ill.
Filed December 26, 1944. Serial No. 477,926. PUBLISHED JULY 17, 1945. Class 50.
- 416,840. PLASTIC PIPE AND TUBING. FEDERAL ELECTRIC COMPANY, INC., Chicago, Ill.
Filed December 26, 1944. Serial No. 477,927. PUBLISHED JULY 17, 1945. Class 13.
- 416,841. EXPLOSION-PROOF LIGHTING FIXTURES OF THE SINGLE-BEAM, MULTIBEAM, PORTABLE, AND SUSPENDED TYPES USED TO GIVE ILLUMINATION FOR SURGICAL OPERATIONS. THE OHIO CHEMICAL & MFG. CO., Cleveland, Ohio.
Filed January 3, 1945. Serial No. 478,186. PUBLISHED JULY 24, 1945. Class 44.
- 416,842. CHEMICAL PREPARATION FOR REMOVING RUST, SCALE, CORROSION FROM AUTOMOBILE RADIATORS AND CYLINDER BLOCKS. ALLEN G. MASON AND PIERSON B. WALLER, Morganfield, Ky.
Filed January 10, 1945. Serial No. 478,463. PUBLISHED JULY 17, 1945. Class 6.
- 416,843. INJECTABLE IODINE PREPARATION. WINTHROP PRODUCTS INC., New York, N. Y.
Filed January 11, 1945. Serial No. 478,529. PUBLISHED JULY 24, 1945. Class 6.
- 416,844. CANNED FISH—NAMELY, TUNA. M. D. LOUGHBOM, Los Angeles, Calif.
Filed January 15, 1945. Serial No. 478,635. PUBLISHED JULY 24, 1945. Class 46.
- 416,845. WINDOW SASH SEAL GASKETS AND FIBRE BOARD AND AIR CONDITIONING SOUND ABSORBING MATERIALS, BEING MATERIALS CONSISTING OF FIBRE BOARD, ETC., USED IN AIR CONDITIONERS FOR THE PURPOSE OF ABSORBING SOUND, AND SECONDLY HEAT; AND RUBBER MOULDING, USED IN THE INSTALLATION OF AIR CONDITIONING EQUIPMENT AND IN THE CONSTRUCTION OF AIR CONDITIONING APPARATUS. PHILCO CORPORATION, Philadelphia, Pa.
Filed January 20, 1945. Serial No. 478,825. PUBLISHED JULY 17, 1945. Class 12.
- 416,846. WALLETS, KEY CASES, PURSES, PORTFOLIOS, CATALOGUE CASES, BILL FOLDS, SCHOOL BAGS, BRIEF CASES, HAND BAGS, AND POCKETBOOKS OF LEATHER AND OF LEATHER AND FABRIC. AMERICAN LEATHER NOVELTY CORPORATION, Jersey City, N. J.
Filed January 22, 1945. Serial No. 478,842. PUBLISHED APRIL 10, 1945. Class 3.
- 416,847. TALCUM POWDER. IVOR RICH, New York, N. Y.
Filed January 22, 1945. Serial No. 478,904. PUBLISHED JULY 24, 1945. Class 6.
- 416,848. HAIR POMADE. B & P LABORATORIES, Chicago, Ill.
Filed January 29, 1945. Serial No. 479,105. PUBLISHED JULY 17, 1945. Class 6.
- 416,849. SYNTHETIC RESINS, EITHER CATION OR ANION ACTIVE, HAVING BASE EXCHANGE OR ION-EXCHANGE CHARACTERISTICS AND USED TO DEMINERALIZE WATER AND TO PURIFY WEAK SOLUTIONS OF ELECTROLYTES BY ION EXCHANGE. AMERICAN CYANAMID & CHEMICAL CORPORATION, New York, N. Y.
Filed February 5, 1945. Serial No. 479,409. PUBLISHED JULY 17, 1945. Class 6.
- 416,850. WATER SOFTENER. FRANKLIN E. EVERSON, doing business as F. E. Everson, New York, N. Y.
Filed February 14, 1945. Serial No. 479,788. PUBLISHED JULY 24, 1945. Class 6.

- 416,851. ABRASIVE ELEMENTS—NAMELY, GRINDING WHEELS AND DISKS. GARDNER MACHINE COMPANY, South Beloit, Ill.
Filed February 15, 1945. Serial No. 479,844. PUBLISHED JULY 17, 1945. Class 4.
- 416,852. SOLVENT AND A SULPHONATE SURFACE ACTIVE AGENT CAPABLE OF GENERAL USE IN THE INDUSTRIAL ARTS. STANCO INCORPORATED, Wilmington, Del., and New York, N. Y.
Filed February 15, 1945. Serial No. 479,858. PUBLISHED JULY 17, 1945. Class 6.
- 416,853. BREAD, ROLLS, AND CAKE. CAPITAL BAKERS INC., Harrisburg, Pa.
Filed February 20, 1945. Serial No. 480,007. PUBLISHED JULY 24, 1945. Class 46.
- 416,854. FACE AND BODY CREAMS. MAUDE S. DEUTSCH, doing business as Accomplish Cosmetics Co., New York, N. Y.
Filed February 20, 1945. Serial No. 480,013. PUBLISHED JULY 24, 1945. Class 6.
- 416,855. CHEMICAL RUST REMOVER AND RUST PREVENTIVE. BELL COMPANY, INCORPORATED, Chicago, Ill.
Filed February 21, 1945. Serial No. 480,041. PUBLISHED JULY 17, 1945. Class 6.
- 416,856. GARMENT BAGS, BLANKET BAGS, BREAD AND CAKE BAGS, LETTUCE BAGS, REFRIGERATOR BAGS, AND SHOE BAGS. A. L. SIEGEL CO., Inc., New York, N. Y.
Filed February 24, 1945. Serial No. 480,196. PUBLISHED JULY 24, 1945. Class 2.
- 416,857. REINFORCED CONCRETE BEAMS. THE FLEXICORE COMPANY, INC., New York, N. Y.
Filed February 28, 1945. Serial No. 480,318. PUBLISHED JULY 17, 1945. Class 12.
- 416,858. TOILET LANOLIN. BRUNSWIG DRUG COMPANY, doing business as Angelus Laboratories, Los Angeles, Calif.
Filed March 2, 1945. Serial No. 480,403. PUBLISHED JULY 24, 1945. Class 6.
- 416,859. ARTIFICIAL LEATHER COMPRISING A SHEETED PLASTIC AND/OR SYNTHETIC RESIN MATERIAL SIMULATING LEATHER, WITH OR WITHOUT A FABRIC BACKING. THE FIRESTONE TIRE & RUBBER COMPANY, doing business as Firestone Industrial Products Company, Akron, Ohio.
Filed March 10, 1945. Serial No. 480,750. PUBLISHED JULY 17, 1945. Class 50.
- 416,860. ARTIFICIAL LEATHER COMPRISING A SHEETED PLASTIC AND/OR SYNTHETIC RESIN MATERIAL SIMULATING LEATHER, WITH OR WITHOUT A FABRIC BACKING. THE FIRESTONE TIRE & RUBBER COMPANY, doing business as Firestone Industrial Products Company, Akron, Ohio.
Filed March 10, 1945. Serial No. 480,751. PUBLISHED JULY 17, 1945. Class 50.
- 416,861. SPORTING GOODS AND ATHLETIC EQUIPMENT—NAMELY, BASEBALL FIELDERS' GLOVES, BASEBALL BASEMEN'S MITTS, ETC. GLOBE SPORTING GOODS MANUFACTURING COMPANY, Boston, Mass.
Filed March 13, 1945. Serial No. 480,863. PUBLISHED JULY 24, 1945. Class 22.
- 416,862. BATH ROOM AND LAVATORY FIXTURES AND ACCESSORIES—NAMELY, SOAP DISHES, TOOTH BRUSH AND TUMBLER HOLDERS, TOILET PAPER HOLDERS, TOWEL BARS, ROBE HOOKS, SHELF BRACKETS, AND PAPER NAPKIN HOLDERS ALL OF PLASTIC COMPOSITION. COLUMBUS PLASTIC PRODUCTS INC., Columbus, Ohio.
Filed March 14, 1945. Serial No. 480,889. PUBLISHED JULY 17, 1945. Class 13.
- 416,863. CHILDREN'S AND INFANTS' PLAY GARMENTS—NAMELY, OVERALLS, CREEPERS, COVERALLS, CRAWLERS, SUNSUITS, TODDLERS, AND WASH SUITS. TOP-NOTCH MANUFACTURING COMPANY, El Paso, Tex.
Filed March 15, 1945. Serial No. 480,963. PUBLISHED JULY 17, 1945. Class 39.
- 416,864. CIGARETTE PAPER BOOKLETS. CHAMPAGNE PAPER CORPORATION, Pisgah Forest, N. C.
Filed March 16, 1945. Serial No. 480,977. PUBLISHED JULY 24, 1945. Class 8.
- 416,865. GAME PLAYED WITH CARDS AND BY MOVEMENT ON A BOARD. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass.
Filed March 16, 1945. Serial No. 481,005. PUBLISHED JULY 24, 1945. Class 22.
- 416,866. PERFUME, LIPSTICK, FACE POWDER, FACE CREAM, AND NAIL POLISH. OLIVE SMITH, Chicago, Ill.
Filed March 19, 1945. Serial No. 481,085. PUBLISHED JULY 17, 1945. Class 6.
- 416,867. CANDY. B. H. KARMEN, doing business as Confections of California, Chatsworth, Calif.
Filed March 20, 1945. Serial No. 481,114. PUBLISHED JULY 24, 1945. Class 46.
- 416,868. LADIES' AND CHILDREN'S UNDERWEAR, SLIPS, NIGHTGOWNS, PAJAMAS. SKYBRITE UNDERWEAR MILLS, New York, N. Y.
Filed March 20, 1945. Serial No. 481,129. PUBLISHED JULY 17, 1945. Class 39.
- 416,869. BABY PANTS. GOODYEAR RUBBER SUNDRIES, INC., New Haven, Conn.
Filed March 27, 1945. Serial No. 481,370. PUBLISHED JULY 17, 1945. Class 39.
- 416,870. PLUG VALVES FOR CONTROLLING THE FLOW OF LIQUIDS AND GASES. ELECTRIC STEEL FOUNDRY, Portland, Ore.
Filed March 28, 1945. Serial No. 481,403. PUBLISHED JULY 24, 1945. Class 13.
- 416,871. STYLOGRAPHIC PENS. UNIVERSAL FOUNTAIN PEN & PENCIL CO., New York, N. Y.
Filed March 28, 1945. Serial No. 481,447. PUBLISHED JULY 24, 1945. Class 37.
- 416,872. MEN'S, BOYS', AND CHILDREN'S UNDERWEAR AND KNITTED OUTERWEAR—NAMELY, SWEATERS, INCLUDING PULLOVERS AND BUTTONED SWEATERS; JACKETS AND SPORT COATS. ASSOCIATED KNITTED OUTERWEAR MILLS, Inc., New York, N. Y.
Filed March 29, 1945. Serial No. 481,454. PUBLISHED JULY 17, 1945. Class 39.
- 416,873. BRIDLE BITS, RIDING SPURS, SADDLE DEES, AND HARNESS RINGS. HEYE-MELAS, San Antonio, Tex.
Filed March 29, 1945. Serial No. 481,476. PUBLISHED JULY 24, 1945. Class 3.
- 416,874. POCKET PIECE IN THE FORM OF A CROSS MADE OF NON-PRECIOUS MATERIAL. FRANK H. KORAB, doing business as Harrison Den Co., Kansas City, Kans.
Filed March 29, 1945. Serial No. 481,479. PUBLISHED JULY 17, 1945. Class 50.
- 416,875. LUMBER. SCHNEIDER BROS. LUMBER CO., New York, N. Y.
Filed March 29, 1945. Serial No. 481,493. PUBLISHED JULY 24, 1945. Class 12.
- 416,876. PREPARATION IN TABLET FORM FOR TREATING ESTROGENIC DEFICIENCY. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed March 30, 1945. Serial No. 481,548. PUBLISHED JULY 17, 1945. Class 6.

- 416,877. ENZYMOLOGICAL HYDROLYSATE OF MILK PROTEIN IN POWDER FORM TO BE USED FOR BACTERIOLOGICAL AND PHARMACEUTICAL PURPOSES. SHEFFIELD FARMS COMPANY, INC., New York, N. Y.
Filed March 30, 1945. Serial No. 481,557. PUBLISHED JULY 17, 1945. Class 6.
- 416,878. PERFUME AND TOILET WATER. PARFUMS DE RENEL, INC., doing business as Renel, Mount Vernon, N. Y.
Filed April 2, 1945. Serial No. 481,646. PUBLISHED JULY 17, 1945. Class 6.
- 416,879. BAGS AND SACKS MADE OF TEXTILE MATERIALS. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed April 6, 1945. Serial No. 481,770. PUBLISHED JULY 24, 1945. Class 2.
- 416,880. COSMETIC OR POWDER PUFF. REGNAR E. MADSON, doing business as Regnar Madson Company, Chicago, Ill.
Filed April 6, 1945. Serial No. 481,795. PUBLISHED JULY 24, 1945. Class 29.
- 416,881. MATRICES. MERGENTHALER LINOTYPE COMPANY, Brooklyn, N. Y.
Filed April 7, 1945. Serial No. 481,852. PUBLISHED JULY 17, 1945. Class 50.
- 416,882. LADIES' HANDBAGS. FRIEDMAN-LOBEL, INC., New York, N. Y.
Filed April 9, 1945. Serial No. 481,893. PUBLISHED JULY 24, 1945. Class 3.
- 416,883. VITAMIN B¹ COMPLEX TABLETS. VAN PELT & BROWN, INC., Richmond, Va.
Filed April 9, 1945. Serial No. 481,931. PUBLISHED JULY 17, 1945. Class 6.
- 416,884. CONDITIONED REFLEX DEVICE FOR TEACHING BLADDER CONTROL (AN EXCITATION DEVICE, PRINCIPALLY BUT NOT EXCLUSIVELY FOR INFANTS, AND WHICH IS TAPED UPON THE THIGH OR LOWER ABDOMEN TO ACT AUTOMATICALLY IN RESPONSE TO INVOLUNTARY DISCHARGE OF URINE TO CAUSE THE CHILD TO AWAKEN AND GIVE AN OUTCRY.) ALFRED LUNDE, doing business as Lunde Trayna Company, Seattle, Wash.
Filed April 10, 1945. Serial No. 481,951. PUBLISHED JULY 24, 1945. Class 44.
- 416,885. CHEMOTHERAPEUTIC AGENTS, MORE SPECIFICALLY ANTIBIOTICS OBTAINED FROM MOLDS OF THE GENUS *PENICILLIUM* AND/OR SYNTHESIS. ABBOTT LABORATORIES, North Chicago, Ill.
Filed April 11, 1945. Serial No. 481,973. PUBLISHED JULY 24, 1945. Class 6.
- 416,886. MEDICINAL PREPARATION FOR THE RELIEF OF COUGHS. PFIFFER CHEMICAL COMPANY, New York, N. Y.
Filed April 11, 1945. Serial No. 482,010. PUBLISHED JULY 24, 1945. Class 6.
- 416,887. PERFUMES. RAVEL PERFUMES INC., New York, N. Y.
Filed April 11, 1945. Serial No. 482,013. PUBLISHED JULY 24, 1945. Class 6.
- 416,888. PERFUMES, TOILET WATERS, ROUGE, LIP-STICK, AND FACE CREAMS. CHARLES JULES EMILE CHARBAUT, Paris, France.
Filed April 12, 1945. Serial No. 482,044. PUBLISHED JULY 24, 1945. Class 6.
- 416,889. CREAM INTENDED TO BE USED ON THE SKIN SURFACES AS A DETERGENT, SOFTENER, AND BEAUTIFYING PREPARATION. CHARLTON HOUSE, INC., New York, N. Y.
Filed April 12, 1945. Serial No. 482,045. PUBLISHED JULY 17, 1945. Class 6.

- 416,890. CANNED FISH—NAMELY, CRAB MEAT, OYSTERS, AND TUNA. COMMANDO PACKING COMPANY, North Bend, Oreg.
Filed April 12, 1945. Serial No. 482,047. PUBLISHED JULY 24, 1945. Class 46.
- 416,891. TUBING MADE FROM BRONZE, STEEL, BRASS, COPPER, ALUMINUM, AND COMBINATIONS THEREOF. CERTIFIED GAUGE & INSTRUMENT CORP., Long Island City, N. Y.
Filed April 13, 1945. Serial No. 482,091. PUBLISHED JULY 24, 1945. Class 13.
- 416,892. GASKETS COMPOSED OF RUBBER, SYNTHETIC RUBBER, AND PLASTICS OR COMBINATIONS THEREOF. PIPE COUPLINGS, INC., New York, N. Y.
Filed April 13, 1945. Serial No. 482,113. PUBLISHED JULY 24, 1945. Class 35.
- 416,893. FRESH FRUITS AND FRESH VEGETABLES. THE R. V. DUBLIN COMPANY, Jacksonville and Laredo, Tex.
Filed April 14, 1945. Serial No. 482,137. PUBLISHED JULY 24, 1945. Class 46.
- 416,894. COATS, VESTS, PANTS, AND OVERCOATS FOR MEN AND BOYS. FASHION PARK, INC., Rochester, N. Y.
Filed April 14, 1945. Serial No. 482,138. PUBLISHED JULY 17, 1945. Class 39.
- 416,895. MEN'S SACK COATS AND MEN'S OVERCOATS. FASHION PARK, INC., Rochester, N. Y.
Filed April 14, 1945. Serial No. 482,145. PUBLISHED JULY 17, 1945. Class 39.
- 416,896. MEN'S COATS, VESTS, PANTS, AND OVERCOATS. FASHION PARK, INC., Rochester, N. Y.
Filed April 14, 1945. Serial No. 482,151. PUBLISHED JULY 17, 1945. Class 39.
- 416,897. MEN'S AND BOYS' COATS, PANTS, VESTS, AND OVERCOATS. FASHION PARK, INC., Rochester, N. Y.
Filed April 14, 1945. Serial No. 482,153. PUBLISHED JULY 17, 1945. Class 39.
- 416,898. PERFUME. FEBOE PERFUMERS, New York, N. Y.
Filed April 14, 1945. Serial No. 482,154. PUBLISHED JULY 24, 1945. Class 6.
- 416,899. PENICILLIN FOR HUMAN USE. LEDERLE LABORATORIES, INC., New York, N. Y.
Filed April 16, 1945. Serial No. 482,205. PUBLISHED JULY 24, 1945. Class 6.
- 416,900. PENICILLIN FOR USE IN VETERINARY MEDICINE. LEDERLE LABORATORIES, INC., New York, N. Y.
Filed April 16, 1945. Serial No. 482,206. PUBLISHED JULY 24, 1945. Class 6.
- 416,901. OVERCOATS FOR MEN AND BOYS. FASHION PARK, INC., Rochester, N. Y.
Filed April 17, 1945. Serial No. 482,242. PUBLISHED JULY 17, 1945. Class 39.
- 416,902. COATS, VESTS, PANTS, AND OVERCOATS FOR MEN AND BOYS; OUTER COATS, SPORT JACKETS, AND SUITS FOR WOMEN. FASHION PARK, INC., Rochester, N. Y.
Filed April 17, 1945. Serial No. 482,245. PUBLISHED JULY 17, 1945. Class 39.
- 416,903. FLUID MILK. DOROTHY A. LONG, doing business as Dawnwood Farms, Amenia, N. Y.
Filed April 17, 1945. Serial No. 482,250. PUBLISHED JULY 24, 1945. Class 46.

- 416,904. SILVER AND SILVER MOUNTED FLATWARE (IMPLEMENTS WITH A HANDLE OR FINGER HOLD FOR CULINARY, FEEDING, SERVING OR PERSONAL USE); AND SILVER AND SILVER MOUNTED HOLLOW WARE (VESSELS, PLATES, PLATTERS, CARRIERS, COVERS, AND SUPPORTS FOR STORING, HOLDING, OR COVERING FOODS, LIQUIDS, OR COMMODITIES). TOWLE MANUFACTURING COMPANY, Newburyport, Mass.
Filed April 17, 1945. Serial No. 482,264. PUBLISHED JULY 24, 1945. Class 28.
- 416,905. DOLLS. API LTD., New York, N. Y.
Filed April 18, 1945. Serial No. 482,306. PUBLISHED JULY 24, 1945. Class 22.
- 416,906. OVERHEAD DOORS. CORNELL IRON WORKS, INC., Long Island City, N. Y.
Filed April 19, 1945. Serial No. 482,311. PUBLISHED JULY 24, 1945. Class 12.
- 416,906. OVERHEAD DOORS. CORNELL IRON WORKS, INCORPORATED, Long Island City, N. Y.
Filed April 19, 1945. Serial No. 482,311. PUBLISHED JULY 24, 1945. Class 12.
- 416,907. BACTERIAL ANTISEPTIC AND GERMICIDE. HOFFMANN-LA ROCHE, INC., Nutley, N. J.
Filed April 23, 1945. Serial No. 482,489. PUBLISHED JULY 24, 1945. Class 6.
- 416,908. TEXTILE SLIP COVERS FOR UPHOLSTERED FURNITURE. THE COMFY MANUFACTURING COMPANY, Baltimore, Md.
Filed April 24, 1945. Serial No. 482,521. PUBLISHED JULY 24, 1945. Class 32.
- 416,909. PHONOGRAPH NEEDLES. THE WILCOX-GAY CORPORATION, Charlotte, Mich.
Filed April 25, 1945. Serial No. 482,604. PUBLISHED JULY 10, 1945. Class 36.
- 416,910. CORN STARCH FOR FOOD PURPOSES. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed April 26, 1945. Serial No. 482,615. PUBLISHED JULY 24, 1945. Class 46.
- 416,911. MERCHANDISE DISPLAY FORMS FOR CHILDREN'S, MEN'S, AND WOMEN'S APPAREL ARTICLES, AND CHILDREN'S, MEN'S, AND WOMEN'S MANNEQUINS. L. A. DARLING COMPANY, Bronson, Mich.
Filed April 26, 1945. Serial No. 482,618. PUBLISHED JULY 17, 1945. Class 50.
- 416,912. PROPORTIONING METERS FOR MEASURING PROPORTIONAL VOLUMES OF LIQUIDS AND TEST KITS FOR ANALYZING SAMPLES OF LIQUID TO DETERMINE TURBIDITY AND/OR CHEMICAL CONTENT. PROPORTIONERS, INC., Providence, R. I.
Filed April 26, 1945. Serial No. 482,643. PUBLISHED JULY 24, 1945. Class 26.
- 416,913. TOY COIN BANKS. RALPH VICTOR MORAN, doing business as Vic Moran, Bradford, Pa.
Filed April 27, 1945. Serial No. 482,694. PUBLISHED JULY 24, 1945. Class 22.
- 416,914. WATCHES AND WATCH MOVEMENTS. S. RODMAN SONS, New York, N. Y.
Filed April 27, 1945. Serial No. 482,702. PUBLISHED JULY 24, 1945. Class 27.
- 416,915. FOUNTAIN PENS AND MECHANICAL PENCILS. EVERSHARP, INC., Chicago, Ill.
Filed April 30, 1945. Serial No. 482,793. PUBLISHED JULY 24, 1945. Class 37.
- 416,916. FOUNTAIN PENS AND MECHANICAL PENCILS. EVERSHARP, INC., Chicago, Ill.
Filed April 30, 1945. Serial No. 482,795. PUBLISHED JULY 24, 1945. Class 37.
- 416,917. FISHING BOBBERS. THE CASTALL CORPORATION, Youngstown, Ohio.
Filed May 1, 1945. Serial No. 482,832. PUBLISHED JULY 17, 1945. Class 22.
- 416,918. FRESH CITRUS FRUITS—NAMELY, GRAPEFRUIT, ORANGES, TANGERINES, LEMONS, LIMES, KUMQUATS, TANGELOS, AND CALAMONDON. STEPHEN A. HEFFIELD, Sr., doing business as Steve Heffield & Co., Orlando, Fla.
Filed May 5, 1945. Serial No. 483,020. PUBLISHED JULY 24, 1945. Class 46.
- 416,919. SUN GLASSES AND PARTS THEREFOR. THE KONO MANUFACTURING COMPANY, Woodside, Long Island, N. Y.
Filed May 5, 1945. Serial No. 483,023. PUBLISHED JULY 24, 1945. Class 26.
- 416,920. CLOCKS AND WATCHES. THE UNITED STATES TIME CORPORATION, Waterbury, Conn.
Filed May 9, 1945. Serial No. 483,162. PUBLISHED JULY 24, 1945. Class 27.
- 416,921. ANTI-CORROSIVE, IRREVERSIBLE EMULSION OF COAL TAR PITCH FOR APPLICATION TO SURFACES OF METAL, WOOD AND LIKE MATERIALS. SELBY, BATTERSBY & CO., Philadelphia, Pa.
Filed May 12, 1945. Serial No. 483,286. PUBLISHED JULY 17, 1945. Class 12.
- 416,922. METAL CANS. CONTINENTAL CAN COMPANY, INC., New York, N. Y.
Filed May 25, 1945. Serial No. 483,762. PUBLISHED JULY 24, 1945. Class 2.
- 416,923. CHEWING GUM. JOSEPH TANOUS, doing business as Tanous Chicle Co., Laredo, Tex.
Filed May 29, 1945. Serial No. 483,941. PUBLISHED JULY 24, 1945. Class 46.
- 416,924. BILLFOLDS, PURSES, HANDBAGS, WALLET, POCKETBOOKS, BRIEF CASES, TOILET CASES, CARD CASES, KEY CASES, CATALOGUE CASES, AND LUGGAGE AND PORTFOLIO STRAPS. CHARLES L. KING, New York, N. Y.
Filed June 1, 1945. Serial No. 484,052. PUBLISHED JULY 24, 1945. Class 3.
- 416,925. BILLFOLDS, PURSES, HANDBAGS, WALLET, POCKETBOOKS, BRIEF CASES, TOILET CASES, CARD CASES, KEY CASES, CATALOGUE CASES, AND LUGGAGE AND PORTFOLIO STRAPS. CHARLES L. KING, New York, N. Y.
Filed June 1, 1945. Serial No. 484,053. PUBLISHED JULY 24, 1945. Class 3.
- 416,926. DOLLS. AMERICAN CHARACTER DOLL COMPANY, New York, N. Y.
Filed June 7, 1945. Serial No. 484,224. PUBLISHED JULY 24, 1945. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

416,927. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MITCHELL MFG. CO., Chicago, Ill. Filed Aug. 21, 1944. Serial No. 473,475.

KOLD-VOLT

FOR ELECTRIC FLUORESCENT LIGHTING UNITS.
Claims use since Mar. 1, 1944.

416,928. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) PARFAIT POWDER PUFF CO., INC., Chicago, Ill., now by change of name to Parfalt, Incorporated. Filed August 21, 1944. Serial No. 473,481.

Parfalt **FLAPJACK**
Puff

FOR POWDER PUFFS.
Claims use since April 1942.

416,929. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) CLEVELAND LABORATORIES & MANUFACTURING COMPANY, INC., Peapack, N. J. Filed Nov. 28, 1944. Serial No. 476,951.



The picture of the warrior is fanciful.
FOR TRANSPARENT FILM OF VINYL RESIN TO BE USED IN PLACE OF TEXTILES SOLD BY THE YARD.
Claims use since May 30, 1937.

416,930. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BROWN AND TIMMERMAN COMPANY, Davenport, Iowa. Filed Dec. 11, 1944. Serial No. 477,395.

PowerAire

FOR POWER SPRAYING EQUIPMENT CONSISTING OF A SPRAY GUN, AIR AND MATERIAL HOSE AND CONNECTIONS, PRESSURE GAUGE, EXTENSION HANDLE AND NOZZLE, AND MATERIAL SUPPLY TANK, SOLD AS A UNIT.
Claims use since June 12, 1944.

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416,931. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) NU-ENAMEL CORPORATION, Chicago, Ill. Filed Jan. 10, 1945. Serial No. 478,466.

COLOR-FLO

FOR PAINT ENAMEL.
Claims use since Aug. 22, 1944.

416,932. (CLASS 39. CLOTHING.) GUENTHER HOSIERY CO., INC., Hornell, N. Y. Filed Jan. 11, 1945. Serial No. 478,509.

Guenther

FOR WOMEN'S HOSIERY.
Claims use since January 1928.

416,933. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEONARD GORDON, doing business as Grocers Packing Company, Los Angeles, Calif. Filed Mar. 10, 1945. Serial No. 480,765.



FOR NATURAL COCONUT.
Claims use since October 1938.

416,934. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) FRIEDMANS' JEWELERS, INC., Savannah, Ga. Filed Mar. 17, 1945. Serial No. 481,019.

MELROSE

FOR ARTICLES MADE OF PRECIOUS AND SEMI-PRECIOUS METAL—NAMELY, RINGS, PINS, PENDANTS, EAR RINGS, WATCH CHAINS, WATCH BANDS, NOT INCLUDING WATCHES, CUFF LINKS, AND COM-PACTS.
Claims use since Oct. 1, 1941.

OCTOBER 2, 1945

U. S. PATENT OFFICE

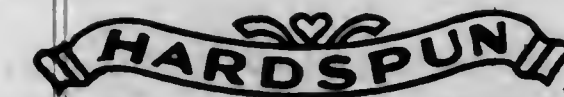
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416,935. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) THE REISS-PREMIER CORPORATION, West New York, N. J. Filed Apr. 9, 1945. Serial No. 481,910.

Monterey

FOR SMOKERS' PIPES, CIGAR AND CIGARETTE HOLDERS.
Claims use since May 11, 1944.

416,936. (CLASS 39. CLOTHING.) FASHION PARK, INC., Rochester, N. Y. Filed Apr. 14, 1945. Serial No. 482,142.



FOR COATS, PANTS, VESTS, OVERCOATS FOR MEN AND BOYS.
Claims use since Jan. 1, 1927.

416,937. (CLASS 39. CLOTHING.) HAZAN BROS., New York, N. Y. Filed May 7, 1945. Serial No. 483,058.

HAZAN Brothers

FOR WOMEN'S AND MISSES' OUTER SKIRTS, JUMPERS, DRESSES, SHORTS, AND JERKINS.
Claims use since Feb. 1, 1937.

416,938. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AXELSON MANUFACTURING COMPANY, Los Angeles, Calif. Filed Apr. 17, 1945. Serial No. 482,237.

AXELSON

FOR OIL WELL PUMPS, PUMP VALVES, PUMP FITTINGS, SUCKER RODS, SUCKER ROD COUPLINGS, LATHES AND PARTS THEREOF.
Claims use since Nov. 14, 1944 on lathes and parts therefor; since Jan. 1, 1920 on remaining goods.

416,939. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HARMAN WATCH COMPANY, New York, N. Y. Filed May 18, 1945. Serial No. 483,527.

**HARMAN SCIENTIFICALLY
BALANCED MOVEMENT**

FOR HOROLOGICAL INSTRUMENTS—NAMELY, WATCHES, CLOCKS, CHRONOGRAPHS AND PARTS OF THE SAID INSTRUMENTS.
Claims use since Aug. 5, 1940.

TRADE-MARK REGISTRATIONS RENEWED

27,464. "BUFFALO SCALE CO." AND DRAWING. WEIGHING OR MEASURING SCALES. Registered Dec. 10, 1895. BUFFALO SCALE CO. Re-renewed Dec. 10, 1945, to Buffalo Scale Company, Incorporated, Buffalo, N. Y., a corporation of New York. Class 26.

44,484. SONNTAGSBLATT DER N. Y. STAATS-ZEITUNG. SUNDAY NEWSPAPER. Registered July 11, 1905. NEW YORKER STAATS ZEITUNG. Re-renewed July 11, 1945, to Staats-Herold Corporation, New York, N. Y., a corporation of New York. Class 38.

44,938. NEW RIVAL. PAPER-SHELL CARTRIDGES. Registered Aug. 1, 1905. WINCHESTER REPEATING ARMS CO. Re-renewed Aug. 1, 1945, to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware. Class 9.

44,939. H. CARTRIDGES AND CARTRIDGE-SHELLS FOR SMALL-ARMS. Registered Aug. 1, 1905. WINCHESTER REPEATING ARMS CO. Re-renewed Aug. 1, 1945, to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware. Class 9.

45,477. "CHERRY HEAT-WELDING COMPOUND" AND DESIGN. WELDING COMPOUNDS. Registered Aug. 22, 1905. CORTLAND WELDING COMPOUND COMPANY, Cortland, N. Y., a corporation of New York. Renewed Aug. 22, 1945. Class 6.

45,729. REPRESENTATION OF TWO CROSSED PAPER SHOT-SHELLS. PAPER SHOT-SHELLS. Registered Aug. 29, 1905. WINCHESTER REPEATING ARMS CO. Re-renewed Aug. 29, 1945, to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware. Class 9.

45,730. NUBLACK. SHOT-SHELLS AND CARTRIDGES. Registered Aug. 29, 1905. WINCHESTER REPEATING ARMS CO. Re-renewed Aug. 29, 1945, to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware. Class 9.

47,094. WINCHESTER. SHOT-SHELLS AND CARTRIDGES. Registered Oct. 24, 1905. WINCHESTER REPEATING ARMS CO. Re-renewed Oct. 24, 1945, to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware. Class 9.

47,351. LEADER. PAPER-SHELL CARTRIDGES. Registered Oct. 31, 1905. WINCHESTER REPEATING ARMS CO. Re-renewed Oct. 31, 1945, to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware. Class 9.

47,508. KING WHEAT. WHEAT-FLOUR. Registered Nov. 7, 1905. WASHBURN-CROSBY COMPANY. Re-renewed Nov. 7, 1945, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

47,689. SPIRELLA. APPAREL STAYS. Registered Nov. 14, 1905. THE SPIRELLA COMPANY, Meadville, Pa. Re-renewed Nov. 14, 1945, to The Spirella Company Incorporated, Niagara Falls, N. Y., a corporation of New York. Class 40.

47,712. "RALSTON HEALTH SHOE" AND DRAWING. LEATHER BOOTS AND SHOES. Registered Nov. 14, 1905. CHURCHILL AND ALDEN CO., Campello, Mass. Re-renewed Nov. 14, 1945, to Doyle Shoe Company, Inc., Brockton, Mass., a corporation of Massachusetts. Class 39.

47,894. PIONEER. CHILDREN'S HAND-AND-FOOT PROPELLED VEHICLES. Registered Nov. 28, 1905. GENDRON WHEEL CO. Re-renewed Nov. 28, 1945, to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio. Class 22.

47,914. "B" AND DESIGN. CUTTERS FOR METAL PIPES. Registered Nov. 28, 1905. THE BARNES TOOL COMPANY, New Haven, Conn., a corporation of Connecticut. Re-renewed Nov. 28, 1945. Class 23.

- 48,038. **REPRESENTATION OF TWO LINKED PAD-LOCKS. SEWING-MACHINES AND PARTS THERE-OF.** Registered Dec. 5, 1905. UNION SPECIAL MACHINE COMPANY, Chicago, Ill., a corporation of Illinois. Re-
newed Dec. 5, 1945. Class 23.
- 48,068. **"BIRD MANNA" AND DESIGN. BIRD-FOOD.** Registered Dec. 5, 1905. ASCHENBACH & MILLER. Re-
newed Dec. 5, 1945, to Aschenbach & Miller, Inc.,
Philadelphia, Pa., a corporation of Pennsylvania. Class
46.
- 48,170. **METEOR. PLAYING-CARDS.** Registered Dec.
12, 1905. THE NEW YORK CONSOLIDATED CARD COM-
PANY, New York, N. Y. Re-renewed Dec. 12, 1945, to
The United States Playing Card Company, East Nor-
wood, Cincinnati, Ohio, a corporation of Ohio. Class 22.
- 48,212. **SALAMANDER. LININGS OF INSULATING
MATERIAL.** Registered Dec. 19, 1905. KEYSTONE HAIR
INSULATOR COMPANY, Allegheny, Pa. Re-renewed Dec.
19, 1945, to American Hair & Felt Company, Chicago,
Ill., a corporation of Delaware. Class 12.
- 48,239. **PORTRAIT OF EDWIN EUGENE BEEMAN.
CHEWING-GUM.** Registered Dec. 19, 1905. AMERI-
CAN CHICLE CO., New York, N. Y. Re-renewed Dec. 19,
1945, to American Chicle Company, Long Island City,
N. Y., a corporation of New Jersey. Class 46.
- 48,274. **PEACOCK. SHOULDERS, BACKS, HAMS, AND
BACON.** Registered Dec. 19, 1905. CUDAHY BROTHERS
COMPANY, Cudahy, Wis., a corporation of Wisconsin.
Re-renewed Dec. 19, 1945. Class 46.
- 189,177. **"WINNER" AND DRAWING. LADIES' HATS.**
Registered Sept. 16, 1924. JACOB STEIN, doing business
as Winner Hat Manufacturing Company. Renewed Sept.
16, 1944, to Winner Hat Mfg. Co. Inc., New York, N. Y.,
a corporation of New York. Class 39.
- 195,502. **CAMP. COFFEE ESSENCE WITH CHICKORY.**
Registered Feb. 24, 1925. R. PATERSON & SONS LIMITED,
Glasgow, Scotland, a corporation of Great Britain. Re-
newed Feb. 24, 1945. Class 46.
- 195,503. **REPRESENTATION OF A CAMP SCENE.
COFFEE ESSENCE WITH CHICKORY.** Registered
Feb. 24, 1925. R. PATERSON & SONS LIMITED, Glasgow,
Scotland, a corporation of Great Britain. Renewed Feb.
24, 1945. Class 46.
- 199,207. **REPRESENTATION OF A GIRL AND FAIRIES.
CANDY.** Registered June 2, 1925. LIBERTY ORCHARDS
COMPANY, Cashmere, Wash., a firm. Renewed June 2,
1945. Class 46.
- 200,025. **"CALLA WAY" AND DRAWING. HOSE AND
BELTING DUCK, WHICH IS A COTTON-GOODS
PRODUCT IN THE PIECE MANUFACTURED PRINCIP-
ALLY INTO GARDEN HOSE, AIR-BRAKE HOSE,
PLAIN-FABRIC BELTING, OILED-FABRIC BELT-
ING, AND RUBBERIZED-FABRIC BELTING AND
FOR OTHER PURPOSES.** Registered June 23, 1925.
UNITY COTTON MILLS. Renewed June 23, 1945, to
Callaway Mills, La Grange, Ga., a corporation of Georgia.
Class 42.
- 200,034. **"CALLAMIL" AND DESIGN. CORD FAB-
RICS, CHAFER FABRICS, LINER FABRICS, AND
LIKE COTTON GOODS IN THE PIECE, USED FOR
VEHICLE TIRES AND FOR OTHER PURPOSES.** Reg-
istered June 23, 1925. UNITY COTTON MILLS. Re-
newed June 23, 1945, to Callaway Mills, La Grange, Ga.,
a corporation of Georgia. Class 42.
- 200,772. **"CONSUMERS COMPANY" AND DRAWING.
COAL, COKE, ICE, AND BUILDING MATERIALS—
NAMES, SAND, GRAVEL, ROUGH LIMESTONE,
CRUSHED LIMESTONE, AND LIMESTONE SCREEN-
INGS.** Registered July 7, 1925. CONSUMERS COMPANY.
Renewed July 7, 1945, to Consumers Company, Chicago,
Ill., a corporation of Delaware. Class 1.
- 200,907. **KILLARNEY. GREEN COFFEE.** Registered
July 14, 1925. LEON ISRAEL & BROS. INC., New York,
N. Y., a corporation of Delaware. Renewed July 14,
1945. Class 46.

- 201,105. **THE SALES FORCE. SEMIMONTHLY PERI-
ODICAL DEVOTED TO SALESMEN, MERCHANDIZ-
ING FACTS, AND SELLING METHODS.** Registered
July 21, 1925. HEDMAN MANUFACTURING COMPANY.
Renewed July 21, 1945, to The Hedman Company, Chi-
cago, Ill., a corporation of Illinois. Class 38.
- 201,319. **"GLENCAIRN" AND DRAWING. LADIES'
AND GENTLEMEN'S MUFFLERS, SCARFS, AND
VESTS.** Registered July 21, 1925. CISCO, INC., New
York, N. Y., a corporation of New York. Renewed July
21, 1945. Class 39.
- 201,445. **"DUO LAB. INC." AND DESIGN. LIQUID AD-
HESIVE.** Registered July 28, 1925. DUO LABORA-
TORIES, INC., Highland Park, N. J. Renewed July 28,
1945, to Johnson & Johnson, New Brunswick, N. J., a
corporation of New Jersey. Class 5.
- 201,688. **BLACK ROCK. WALLBOARD AND BUILDING
PAPER.** Registered Aug. 4, 1925. THE BEAVER PRO-
DUCTS COMPANY, INC., Buffalo, N. Y. Renewed Aug. 4,
1945, to Certain-teed Products Corporation, Chicago,
Ill., a corporation of Maryland. Class 12.
- 201,715. **"PELCO" AND DESIGN. LEATHERS.** Regis-
tered Aug. 4, 1925. PEABODY LEATHER COMPANY, INC.
Renewed Aug. 4, 1945, to McAdoo & Allen Welding Com-
pany, Quakertown, Pa., a partnership. Class 1.
- 201,718. **STRONGPATH. INNER TUBES FOR PNEU-
MATIC VEHICLE TIRES AND TUBES, SAID TIRES
AND TUBES BEING COMPOSED WHOLLY OR IN
PART OF RUBBER AND RUBBER AND FABRIC.** Registered
Aug. 4, 1925. THE GOODYEAR TIRE & RUBBER
COMPANY, Akron, Ohio, a corporation of Ohio. Renewed
Aug. 4, 1945. Class 35.
- 201,864. **HYPRO. METAL PLANERS.** Registered Aug.
11, 1925. THE CINCINNATI PLANNER COMPANY, Oakley,
Cincinnati, Ohio. Renewed Aug. 11, 1945, to The Cin-
cinnati Planner Company, Cincinnati, Ohio, a corporation
of Ohio. Class 23.
- 201,971. **ARMAX. BATTERIES AND ELECTRIC HAND
LAMPS.** Registered Aug. 11, 1925. WINCHESTER RE-
PEATING ARMS CO. Renewed Aug. 11, 1945, to Olin
Industries, Inc., New Haven, Conn., a corporation of
Delaware. Class 21.
- 202,497. **"MINUTE" AND DRAWING. CHOCOLATE.**
Registered Aug. 25, 1925. RUNKEL BROTHERS, INC.
Renewed Aug. 25, 1945, to Lamont, Corliss & Company,
New York, N. Y., a corporation of New York. Class 46.
- 202,533. **RADIANT. LACE CURTAINS, NETS, AND
CURTAIN LACE IN PIECE GOODS.** Registered Aug.
25, 1925. QUAKER LACE COMPANY, Philadelphia, Pa.,
a corporation of Pennsylvania. Renewed Aug. 25, 1945.
Class 42.
- 202,638. **SOLENE. MIXTURE OF PETROLEUM OILS
USED IN THE MANUFACTURE OF SOLE LEATHER.**
Registered Sept. 1, 1925. VACUUM OIL COMPANY. Re-
newed Sept. 1, 1945, to Socony-Vacuum Oil Company,
Incorporated, New York, N. Y., a corporation of New
York. Class 4.
- 202,858. **MAGIC CHEF. PUBLICATION ISSUED
MONTHLY.** Registered Sept. 8, 1925. AMERICAN STOVE
COMPANY, St. Louis, Mo., a corporation of New Jersey.
Renewed Sept. 8, 1945. Class 38.
- 202,914. **STAR-MAID DRESSES. DRESSES.** Registered
Sept. 8, 1925. STAR-MAID DRESSES, INC. Renewed
Sept. 8, 1945, to Star-Maid Dresses, New York, N. Y., a
limited partnership of New York. Class 39.
- 202,994. **KAUMAFROX. FROCKS.** Registered Sept. 8,
1925. KAUMAGRAPH CO., New York, N. Y. Renewed
Sept. 8, 1945, to Kaumagraph Company, Wilmington,
Del., a corporation of Delaware. Class 39.

- 203,165. **W. K. BUCKLEY. REMEDIES FOR ASTHMA,
HAY FEVER, CATARRH, BRONCHITIS, BRONCHIAL
ASTHMA, COLDS IN HEAD, COUGHS, COLDS,
HOARSENESS, LA GRIPPE, INFLUENZA, CROUP,
WHOOPIING COUGH, BRONCHIAL COUGHS, AND
ALL AFFECTIONS OF THROAT, CHEST, AND
BRONCHIAL TUBES.** Registered Sept. 15, 1925. W. K.
BUCKLEY, LIMITED, Toronto, Ontario, Canada. Re-
newed Sept. 15, 1945, to W. K. Buckley, Inc., Rochester,
N. Y., a corporation of New York. Class 6.
- 203,249. **VACGREASE. GREASES USED IN THE
MANUFACTURE OF LEATHER.** Registered Sept. 15,
1925. VACUUM OIL COMPANY. Renewed Sept. 15, 1945,
to Socony-Vacuum Oil Company, Incorporated, New
York, N. Y., a corporation of New York. Class 15.
- 203,267. **MARLAND. ATHLETIC UNDERWEAR OF
TEXTILE MATERIAL.** Registered Sept. 15, 1925.
REGATTA MANUFACTURING CO. INC. Renewed Sept. 15,
1945, to The B. V. D. Corporation, Baltimore, Md., a
corporation of Delaware. Class 39.
- 203,828. **ROMORT. WATER VALVES, AIR VALVES,
AUTOMATIC AIR VALVES FOR USE ON COM-
PRESSED-AIR HOSE LINES USED IN THE INFLA-
TION OF PNEUMATIC TIRES, ATTACHMENTS FOR
USE WITH TIRE-TESTING GAUGES TO PREVENT
THEM FROM BEING STOLEN OR LOST, PIPE COU-
PLINGS, HOSE COUPLINGS, HOSE CLAMPS, AND
PIPE AND HOSE UNIONS.** Registered Sept. 29, 1925.
ROMORT MANUFACTURING COMPANY, Oakfield, Wis., a
corporation of Wisconsin. Renewed Sept. 29, 1945.
Class 13.
- 203,918. **REX. RAILWAY-CAR DIAPHRAGMS.** Regis-
tered Sept. 29, 1925. THE CURTAIN SUPPLY COMPANY,
Chicago, Ill., and Elkhart, Ind. Renewed Sept. 29, 1945,
to The Adams & Westlake Company, Chicago, Ill., a
corporation of Illinois. Class 19.
- 203,919. **WEATHERITE. CURTAIN CLOSURES FOR
VEHICLES.** Registered Sept. 29, 1925. THE CURTAIN
SUPPLY COMPANY, Chicago, Ill., and Elkhart, Ind. Re-
newed Sept. 29, 1945, to The Adams & Westlake Com-
pany, Chicago, Ill., a corporation of Illinois. Class 19.
- 203,920. **REX. WINDOW SHADES.** Registered Sept.
29, 1925. THE CURTAIN SUPPLY COMPANY, Chicago, Ill.,
and Elkhart, Ind. Renewed Sept. 29, 1945, to The
Adams & Westlake Company, Chicago, Ill., a corpora-
tion of Illinois. Class 32.
- 203,962. **ALCO. TABLE SIRUP, RICE, ROLLED OATS,
ALSO MACARONI, SPAGHETTI, AND EGG NOODLES.**
Registered Sept. 29, 1925. ALBEMARLE GROCERY CO. INC.
Renewed Sept. 29, 1945, to Albemarle-Michie Company,
Inc., Charlottesville, Va., a corporation of Virginia.
Class 46.
- 204,005. **GENERAL. OILS AND GREASES HAVING A
MINERAL BASE, INCLUDING BURNING OILS, MO-
TOR FUELS, FUEL OILS, AND LUBRICANTS.** Regis-
tered Oct. 6, 1925. GENERAL PETROLEUM CORPORATION.
Renewed Oct. 6, 1945, to General Petroleum Corporation
of California, Los Angeles, Calif., a corporation of Dela-
ware. Class 15.
- 204,042. **COMMODORE. SAFETY RAZORS.** Registered
Oct. 6, 1925. AMERICAN SAFETY RAZOR CORPORATION,
Brooklyn, N. Y., a corporation of Virginia. Renewed
Oct. 6, 1945. Class 23.
- 204,228. **A. J. S. MOTOR CYCLES.** Registered Oct. 13,
1925. A. J. STEVENS AND COMPANY (1914) LIMITED,
Wolverhampton, England. Renewed Oct. 13, 1945, to
Associated Motor Cycles Limited, Plumstead, England,
a corporation of Great Britain. Class 19.

- 204,259. **"BUCKLEY'S" AND DRAWING. CERTAIN
REMEDIES FOR BRONCHITIS, FLU, LA GRIPPE,
COLDS, HEADACHE, NEURALGIA, FEVERED CON-
DITIONS, HOARSENESS, ASTHMA, COUGHS,
CROUP, WHOOPING COUGH, BRONCHIAL AND
CHEST AFFECTIONS, HAY FEVER, CATARRH,
COLDS IN HEAD, DEAFNESS, BLOOD DISORDERS—
NAMELY, ABSCESES, BOILS, ULCERS, PIMPLES,
ECZEMA, RASH, SALT RHEUM, RHEUMA-
TISM, RHEUMATIC CONDITIONS, ERYSIPELAS,
BLOTCHES, SKIN IRRITATION; AND OTHER
CERTAIN NAMED MEDICINAL PREPARATIONS.**
Registered Oct. 13, 1925. W. K. BUCKLEY, LIMITED,
Toronto, Ontario, Canada. Renewed Oct. 13, 1945, to
W. K. Buckley, Inc., Rochester, N. Y., a corporation
of New York. Class 6.
- 204,405. **REX. METAL SASH.** Registered Oct. 20, 1925.
THE CURTAIN SUPPLY COMPANY, Chicago, Ill., and Elk-
hart, Ind. Renewed Oct. 20, 1945, to The Adams &
Westlake Company, Chicago, Ill., a corporation of Illi-
nois. Class 12.
- 204,542. **"ON THE SIGN OF THE BEST 'IT IS PURE'"
AND DRAWING. SAUSAGE, HAMS, AND BACON.**
Registered Oct. 20, 1925. ORLING BROTHERS OF DETROIT,
MICHIGAN, Detroit, Mich., a corporation of Michigan.
Renewed Oct. 20, 1945. Class 46.
- 204,742. **AUTOLINE. LUBRICATING GREASE.** Regis-
tered Oct. 27, 1925. WM. C. ROBINSON & SON COMPANY,
Baltimore, Md., a corporation of Maryland. Renewed
Oct. 27, 1945. Class 15.
- 205,119. **"USG" AND DESIGN. LUBRICATING GRAPH-
ITE, GRAPHITE GREASE, AND GRAPHITE LUBRI-
CANT.** Registered Nov. 3, 1925. THE UNITED STATES
GRAPHITE CO., Saginaw, Mich., a corporation of Michi-
gan. Renewed Nov. 3, 1945. Class 15.
- 205,273. **NOVA. SHEETS AND PILLOWCASES.** Regis-
tered Nov. 3, 1925. JORDAN MARSH COMPANY, Boston,
Mass., a corporation of Massachusetts. Renewed Nov.
3, 1945. Class 42.
- 205,460. **BATES. SHOES AND SLIPPERS MADE OF
LEATHER, RUBBER, FABRIC, LEATHER AND FAB-
RIC, LEATHER AND RUBBER, AND RUBBER AND
FABRIC.** Registered Nov. 10, 1925. A. J. BATES COM-
PANY. Renewed Nov. 10, 1945, to Bates Shoe Company,
Webster, Mass., a corporation of Massachusetts. Class
39.
- 205,534. **"VENETIAN SPECIAL ASTRINGENT" AND
DESIGN. ASTRINGENT.** Registered Nov. 10, 1925.
FLORENCE N. LEWIS, doing business as Elizabeth Arden.
Renewed Nov. 10, 1945, to Elizabeth Arden Sales Cor-
poration, New York, N. Y., a corporation of Delaware.
Class 6.
- 205,535. **"VENETIAN ROSE COLOR" AND DESIGN.
LIQUID AND CREAM ROUGE.** Registered Nov. 10,
1925. FLORENCE N. LEWIS, doing business as Elizabeth
Arden. Renewed Nov. 10, 1945, to Elizabeth Arden
Sales Corporation, New York, N. Y., a corporation of
Delaware. Class 6.
- 205,537. **"VENETIAN ARDEN SKIN TONIC" AND
DESIGN. ASTRINGENT.** Registered Nov. 10, 1925.
FLORENCE N. LEWIS, doing business as Elizabeth Arden.
Renewed Nov. 10, 1945, to Elizabeth Arden Sales Cor-
poration, New York, N. Y., a corporation of Delaware.
Class 6.
- 205,732. **VELVA. TOILET LOTIONS, FACE AND SKIN
CREAMS, PERFUMES, FACE POWDERS, RUBBING
ALCOHOLS, OINTMENTS FOR THE ALLEVIATION
OF SUNBURNS, SACHETS, MUSCLE OILS, ROUGE,
LIP PENCILS, LIP SALVE, EYEBROW PENCILS,
LIP PASTE, EYEBROW MUCILAGE, HAIR TONIC,
HAIR OINTMENTS, HAIR POMADE, SHAMPOO POW-
DERS, BATH SALTS, DEPILOTORY, AND HAIR
ERADICATORS.** Registered Nov. 17, 1925. FLORENCE
N. LEWIS, doing business as Elizabeth Arden. Renewed
Nov. 17, 1945, to Elizabeth Arden Sales Corporation,
New York, N. Y., a corporation of Delaware. Class 6.

- 205,736. **INDELLO**. TRANSFERS COMPRISING A PAPER BASE HAVING A MARKING IN FUSIBLE MARKING COMPOSITION THEREON. Registered Nov. 17, 1925. KAUMAGRAPH Co., New York, N. Y. Renewed Nov. 17, 1945, to Kaumagraph Company, Wilmington, Del., a corporation of Delaware. Class 40.
- 205,788. **"VENETIAN MASQUE" AND DESIGN**. SKIN CLEANSING CREAM. Registered Nov. 17, 1925. FLORENCE N. LEWIS, doing business as Elizabeth Arden. Renewed Nov. 17, 1945, to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware. Class 6.
- 205,858. **"VENETIAN" AND DESIGN**. EYEBROW SHAPER. Registered Nov. 17, 1925. FLORENCE N. LEWIS, doing business as Elizabeth Arden. Renewed Nov. 17, 1945, to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware. Class 6.
- 205,859. **"VENETIAN" AND DESIGN**. EYE LOTION. Registered Nov. 17, 1925. FLORENCE N. LEWIS, doing business as Elizabeth Arden. Renewed Nov. 17, 1945, to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware. Class 6.
- 205,860. **"VENETIAN LILLE LOTION" AND DESIGN**. SKIN LOTION. Registered Nov. 17, 1925. FLORENCE N. LEWIS, doing business as Elizabeth Arden. Renewed Nov. 17, 1945, to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware. Class 6.
- 206,030. **ZANOLENE**. FURNITURE POLISH. Registered Nov. 24, 1925. THE AMERICAN PRODUCTS COMPANY. Renewed Nov. 24, 1945, to The American Products Company, Cincinnati, Ohio, a corporation of Delaware. Class 16.
- 206,320. **COW BOY SPECIAL**. OVERALLS, PANTS, AND WORK SHIRTS. Registered Nov. 24, 1925. HIGH POINT OVERALL COMPANY, High Point, N. C., a corporation of North Carolina. Renewed Nov. 24, 1945. Class 39.
- 206,322. **"MISS CALIFORNIA" AND DRAWING**. LADIES' AND MISSES' CLOAKS, SUITS, AND DRESSES. Registered Nov. 24, 1925. MORRIS GOLDMAN, San Francisco, Calif. Renewed Nov. 24, 1945. Class 39.
- 206,458. **SANTRO**. TEETHING RINGS. Registered Dec. 1, 1925. JULIUS SCHMID, Inc., New York, N. Y., a corporation of New York. Renewed Dec. 1, 1945. Class 44.
- 206,555. **"RED LILY" AND DRAWING**. CANNED FRUITS, BERRIES, SUCCOTASH, VEGETABLES, FRUIT SALAD, SAUERKRAUT, CRANBERRY SAUCE, BEANS WITH PORK, BOTTLED RASPBERRY JAM, RASPBERRY PRESERVES, TOMATO CATCHUP, PICKLES, CIDER VINEGAR, GUAVA JELLY, AND SPICES, ALSO RAISINS AND DRIED CURRANTS. Registered Dec. 8, 1925. REID, MURDOCH & Co., Chicago, Ill., a corporation of Illinois. Renewed Dec. 8, 1945. Class 46.
- 206,653. **NO-VAP**. PRODUCT MADE OF GLYCERIN FOR USE IN AUTOMOBILE RADIATORS TO PREVENT FREEZING. Registered Dec. 8, 1925. LEVER BROTHERS COMPANY, Cambridge, Mass., a corporation of Maine. Renewed Dec. 8, 1945. Class 6.
- 206,695. **"HERBAL EXTRACT" AND DRAWING**. PREPARATION FOR THE TREATMENT OF DISEASES PECULIAR TO WOMEN. Registered Dec. 8, 1925. DR. KILMER & Co., Binghamton, N. Y. Renewed Dec. 8, 1945, to Kilmer & Co., Incorporated, Stamford, Conn., a corporation of Connecticut. Class 6.
- 206,713. **PURUX**. LIQUID OXYGEN AND OXYGEN MANUFACTURED BY THE LIQUEFACTION PROCESS. Registered Dec. 8, 1925. PURUX COMPANY, Denver, Colo. Renewed Dec. 8, 1945, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. Class 6.
- 206,720. **PEP**. CASTOR OIL. Registered Dec. 8, 1925. KELLOGG TOASTED CORN FLAKE Co., assignor, by mesne assignments, to Kellogg Company. Renewed Dec. 8, 1945, to Kellogg Company, Battle Creek, Mich., a corporation of Delaware. Class 6.
- 206,726. **"ORBULE" AND DESIGN**. PREPARATION FOR HYPERACIDITY, INDIGESTION, AND FLATULENCE. Registered Dec. 8, 1925. OTIS CLAPP & SON, Inc., Boston, Mass., a corporation of Massachusetts. Renewed Dec. 8, 1945. Class 6.
- 206,754. **PURUX**. LIQUID-OXYGEN CONTAINERS. Registered Dec. 8, 1925. PURUX COMPANY, Denver, Colo. Renewed Dec. 8, 1945, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. Class 2.
- 206,765. **GIANT**. LYE AND OTHER PIPE SOLVENTS. Registered Dec. 8, 1925. B. T. HABBITT, New York, N. Y. Renewed Dec. 8, 1945, to B. T. Habbitt, Inc., Albany, and New York, N. Y., a corporation of New York. Class 6.
- 206,786. **ARRO-LOCK**. ASPHALT ROOFING SHINGLES. Registered Dec. 8, 1925. MCHENRY MILLHOUSE MFG. Co., Inc., South Bend, Ind. Renewed Dec. 8, 1945, to United States Gypsum Company, Chicago, Ill., a corporation of Illinois. Class 12.
- 206,896. **PURUX**. HOSE FOR USE WITH WELDING AND CUTTING EQUIPMENT. Registered Dec. 15, 1925. PURUX COMPANY, Denver, Colo. Renewed Dec. 15, 1945, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. Class 35.
- 207,026. **"LONDON ANNEX DRILLS" AND DRAWING**. COTTON PIECE GOODS. Registered Dec. 15, 1925. J. L. STIFEL & SONS. Renewed Dec. 15, 1945, to J. L. Stifel & Sons, Inc., Wheeling, W. Va., a corporation of West Virginia. Class 42.
- 207,027. **"LONDON DRILLS" AND DRAWING**. COTTON PIECE GOODS. Registered Dec. 15, 1925. J. L. STIFEL & SONS. Renewed Dec. 15, 1945, to J. L. Stifel & Sons, Inc., Wheeling, W. Va., a corporation of West Virginia. Class 42.
- 207,039. **PURUX**. CARTRIDGES FOR USE WITH LIQUID OXYGEN. Registered Dec. 15, 1925. PURUX COMPANY, Denver, Colo. Renewed Dec. 15, 1945, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. Class 9.
- 207,048. **REPRESENTATION OF A CAMEO**. VEILS AND SILK GOODS IN THE PIECE. Registered Dec. 15, 1925. VANITY FAIR SILK MILLS. Renewed Dec. 15, 1945, to Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania. Class 42.
- 207,138. **PURUX**. WELDING RODS. Registered Dec. 22, 1925. PURUX COMPANY, Denver, Colo. Renewed Dec. 22, 1945, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. Class 14.
- 207,162. **YORBA LINDA GEM**. FRESH CITROUS FRUITS—NAMESLY, FRESH ORANGES, LEMONS, AND GRAPEFRUIT. Registered Dec. 22, 1925. FOOTHILL GROVES. Renewed Dec. 22, 1945, to The Yorba Linda Citrus Association, Yorba Linda, Calif., a corporation of California. Class 46.
- 207,169. **SHAMROCK**. GREEN COFFEE. Registered Dec. 22, 1925. LEON ISRAEL & BROS. INC., New York, N. Y., a corporation of Delaware. Renewed Dec. 22, 1945. Class 46.
- 207,175. **VELVET**. NONALCOHOLIC, MALTLESS FRUIT JUICES, EXTRACTS, AND SIRUPS FOR MAKING SOFT DRINKS. Registered Dec. 22, 1925. THE INTERNATIONAL COMPANY. Renewed Dec. 22, 1945, to The C. M. Pitt & Sons Company, Baltimore, Md., a corporation of Maryland. Class 45.

- 207,185. **"BUNDY TUBING" AND DESIGN**. METAL TUBING. Registered Dec. 22, 1925. BUNDY TUBING COMPANY, Detroit, Mich., a corporation of Michigan. Renewed Dec. 22, 1945. Class 13.
- 207,192. **"ACE BRAND" AND DRAWING**. PLAITS FORMED OF STRAW AND OTHER FIBROUS MATERIALS DESIGNED FOR THE MANUFACTURE OF HATS. Registered Dec. 22, 1925. HENRY POLLAK, INC., New York, N. Y., a corporation of New York. Renewed Dec. 22, 1945. Class 40.
- 207,205. **THRILL**. NONALCOHOLIC, MALTLESS BEVERAGES AND SIRUPS FOR MAKING THE SAME. Registered Dec. 22, 1925. GREEN & GREEN, Houston, Tex., a firm. Renewed Dec. 22, 1945. Class 45.
- 207,209. **MALTESER**. CANDY. Registered Dec. 22, 1925. BUNTE BROTHERS, Chicago, Ill., a corporation of Illinois. Renewed Dec. 22, 1945. Class 46.
- 207,217. **SCHIMMEL**. JELLIES AND FRUIT PRESERVES. Registered Dec. 22, 1925. THE AMERICAN PRESERVE Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Dec. 22, 1945. Class 46.
- 207,218. **CRATERS**. CHOCOLATE. Registered Dec. 22, 1925. IDEAL COCOA & CHOCOLATE Co., Lititz, Pa., and New York, N. Y. Renewed Dec. 22, 1945, to Wilbur-Suchard Chocolate Company, Inc., Lititz, Pa., a corporation of Pennsylvania. Class 46.
- 207,239. **HI-QUAL**. FLAVORING EXTRACTS FOR FOODS. Registered Dec. 22, 1925. THE HOWELL COMPANY, Inc., New Orleans, La., a corporation of Louisiana. Renewed Dec. 22, 1945. Class 46.
- 207,242. **"LEAD ALL" AND DRAWING**. WORK CLOTHING AND OUT-OF-DOOR CLOTHING FOR MEN, WOMEN, AND CHILDREN—NAMESLY, OVERALLS, PANTS, KNICKERS, SKIRTS, WORK, DRESS, AND NEGLIGEE SHIRTS OF TEXTILE FABRIC, BLOUSES, VESTS, COATS, TROUSERS, DRESSES AND APRONS, MADE OF KHAKI, MOLESKIN, COTTONADES, GABERDINE, AND CORDUROY. Registered Dec. 22, 1925. HAYMON KRUPP & Co., El Paso, Tex. Renewed Dec. 22, 1945, to Davega-City Radio, Inc., New York, N. Y., a corporation of New York. Class 39.
- 207,247. **ARASHEEN**. DRESS AND NEGLIGEE SHIRTS. Registered Dec. 22, 1925. CLUETT, PEABODY & Co., Inc., Troy, N. Y., a corporation of New York. Renewed Dec. 22, 1945. Class 39.

REISSUES

OCTOBER 2, 1945

22,677

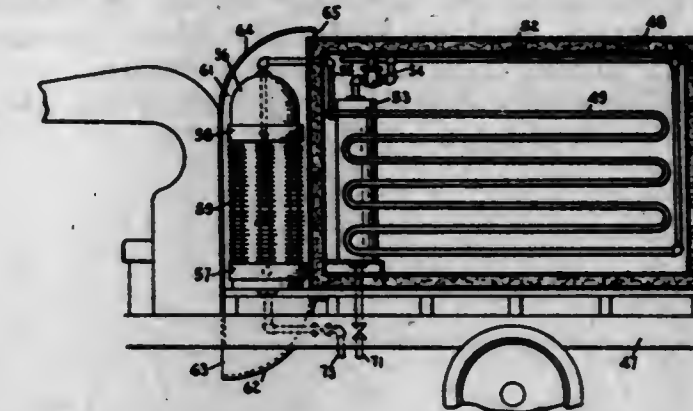
REFRIGERATING SYSTEM

Oliver C. Irwin, deceased, late of New York, N. Y.,
by Standard Cap & Seal Corporation, assignee,
New York, N. Y., a corporation of Virginia
Original No. 2,316,792, dated April 20, 1943, Serial
No. 632,741, September 12, 1932. Application
for reissue April 19, 1944, Serial No. 531,847

10 Claims. (Cl. 62-93)

1. A refrigerated truck comprising a chassis having a driver's cab and an insulated body carried by the chassis, an evaporator carried by the body, cooling coils connected to the evaporator and disposed on the interior of the body, an absorber of an absorption refrigeration system mounted outside of the body and connected to the cooling coils, means whereby the evaporator

and absorber may be periodically re-supplied with fresh refrigerant and absorbent respectively, and



a chimney surrounding said absorber to direct air thereover.

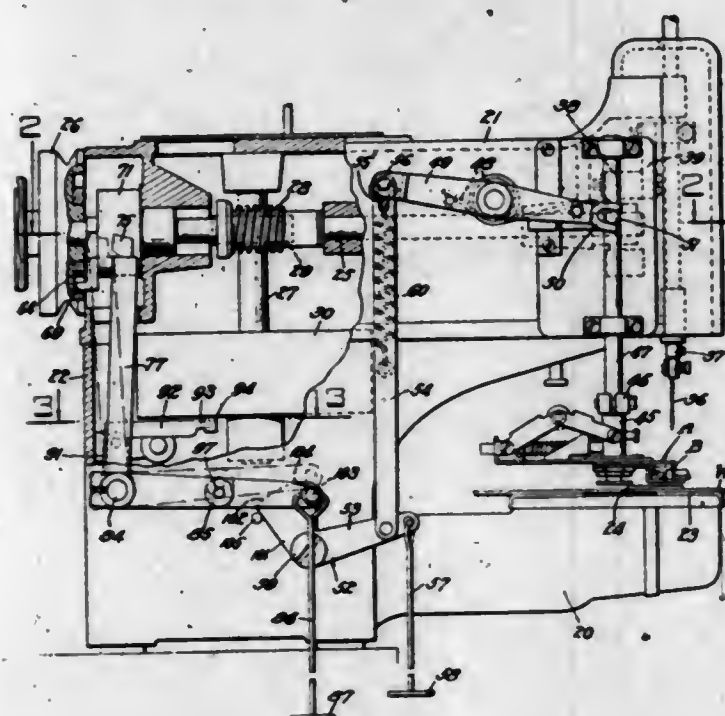
PATENTS

GRANTED OCTOBER 2, 1945

2,385,768

SEWING MACHINE

Herbert E. Althens, Newton, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a corporation of Maine
Application December 24, 1943, Serial No. 515,538
4 Claims. (Cl. 112-219)



1. In a sewing machine having work clamping means, in combination, manually operated means for starting said machine, other manually operated means for releasing said clamping means, and means for preventing the concurrent operation of said manually operated means comprising a pivotally mounted latch having a notched arm adapted to prevent the operation of said starting means except when said notch is in position to receive an element of said starting means and having a lever arm connected with an element of said clamp releasing means, said arms having a relative position such that any movement of said lever arm in response to actuation by said releasing means serves to move said notched arm into a position in which said notch is thrown out of receiving position.

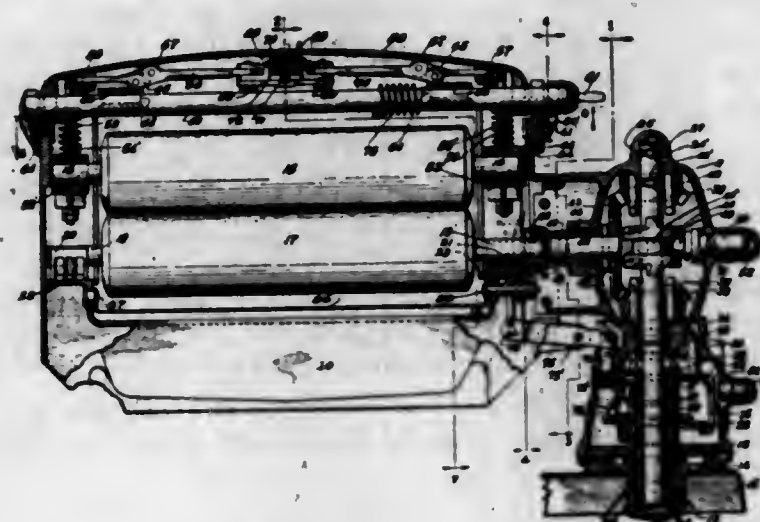
2,385,769

WRINGER MECHANISM

Alphens W. Altorfer, Peoria, Ill.
Application November 9, 1932, Serial No. 641,847
45 Claims. (Cl. 68-253)

1. A wringing device including in combination a lower frame, upper and lower wringer rolls disposed therein, a releasable upper frame, spring tensioning means carried by the upper frame, means for connecting the upper frame to the lower frame in a tensioned manner comprising a rod passing horizontally through the upper frame, cam fashioned latch mechanism at the opposed ends of said horizontal rod operatively connected with the lower frame, a manual control handle connected to one end of the horizontal rod adapted to connect the upper frame to the lower frame in a tensioned manner, and safety release mechanism comprising latch mechanism carried in the upper frame and normally holding the horizontal rod in a fixed position, means including a wedge member in the upper frame normally

maintaining said latter latch mechanism in a fixed position and a readily accessible manually operated member carried by the upper frame controlling the movement of said wedge member and thereby controlling the quick release of the upper frame with respect to the lower frame.

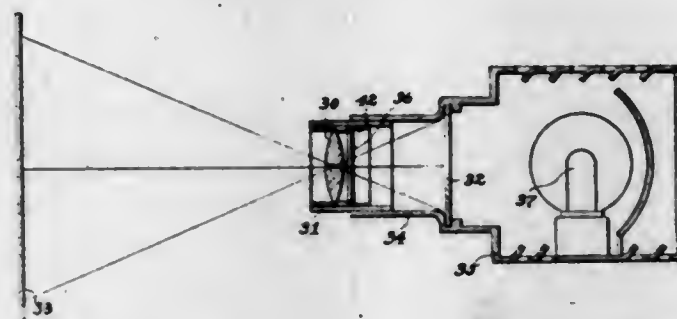


ling the movement of said wedge member and thereby controlling the quick release of the upper frame with respect to the lower frame.

2,385,770

PROJECTION IN COLOR

Charles A. Birch-Field, New York, N. Y.
Application January 9, 1942, Serial No. 426,101
2 Claims. (Cl. 88-24)



1. A method of producing colored effects in images produced on a screen by projection from a black and white positive, which method comprises projecting the white light from the black and white positive upon a screen positioned in a plane other than the plane of the focus of the beam to give chromatic projection, subjecting the white light beam from each point of said positive to the action of a member having a transparent area of circular conformation, said area being comprised of a central circular portion of a color of relatively low wave length and of concentric annular bands each of a different color of a higher wave length, said member being interposed in the path of the composite beam from all the points of said object, in a plane in the region of maximum separation of these colored components of the white light from the object which have the higher wave lengths, the diameter of the transparent area of said member being substantially equal to and registering with that of the projected beam and the differently colored areas of which the transparent beam is comprised being of a width corresponding to the width of its relation color in the composite beam and the colored area being arranged to register with the separated color portions of the composite beam which are of the same color.

OCTOBER 2, 1945

U. S. PATENT OFFICE

33

2,385,771

TRANSPARENT FILM SEGMENT HOLDER AND PROJECTION MACHINE THEREFOR

Charles B. Bogue, San Francisco, Calif.
Original application October 7, 1941, Serial No. 413,931. Divided and this application July 1, 1942, Serial No. 449,339
2 Claims. (Cl. 88-26)

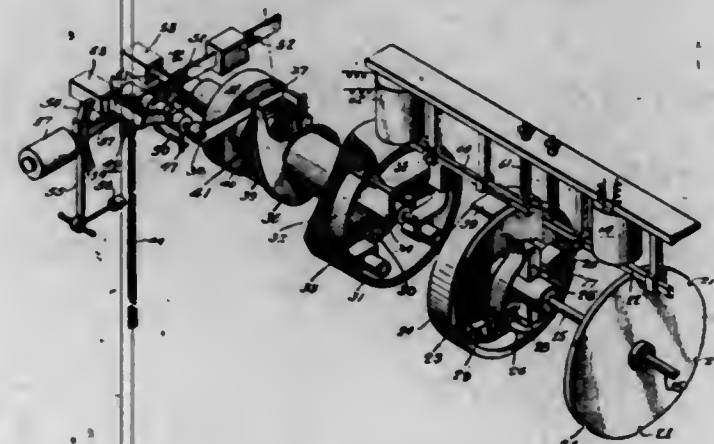


1. In a holder for film segments, an elongated substantially flat transparent casing formed from a transparent sheet bent longitudinally to form overlying sides of unequal widths, the said casing being adapted to hold a plurality of aligned film segments, one of the overlying sides of the casing having a width greater than the width of any of the film segments, and the other of the overlying sides having a width less than the width of any of said film segments, and an adhesive strip substantially the length of the casing secured longitudinally to the side edges of the casing and to the film segments for normally holding the film segments against displacement.

2,385,772

METERING APPARATUS

Moro M. Borden, Collingswood, N. J., assignor to Simplex Valve and Meter Company, Philadelphia, Pa., a corporation of Delaware
Application July 17, 1942, Serial No. 451,367
10 Claims. (Cl. 73-194)



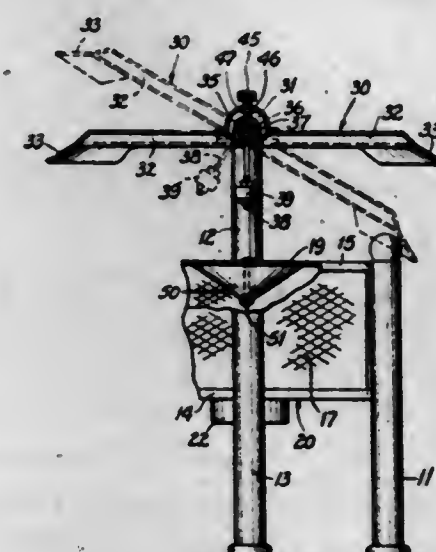
9. In combination, a movable indicator, releasable holding means preventing movement of the indicator, position determining means for the indicator having a zero position, means biasing the position determining means to its zero position, a yieldable connection between the position determining means and the indicator tending to move the indicator to a position corresponding to that of the position determining means, means to move the position determining means from its zero position a distance corresponding to increments of a factor to be indicated, a clutch connecting the last named means and the position determining means, means operative at selected intervals to cyclically release and re-engage the holding means for the indicator and release and re-engage said clutch in the order named, and means included in the means to move the position determining means for storing increments of said factor accumulated during the operation of the cyclical means and imparting such increments to the position determining means upon re-engagement of said clutch.

579 O. G.-3

2,385,773

BAFFLE MOUNTING FOR AIR CIRCULATOR UNITS

James C. Brittingham, St. Louis, Mo.
Application October 20, 1943, Serial No. 507,225
15 Claims. (Cl. 230-274)



1. In a portable air circulator unit including a vertical-shaft fan and fan driving means, a normally horizontal baffle at least coextensive with the disc area of the fan, and pivotal supporting means by which the baffle is mounted in balanced condition in the unit transversely of the fan stream, and being so arranged that substantially equal areas of the baffle are located on opposite sides of the pivotal supporting means, whereby the fan stream normally acts to maintain the transverse position of the baffle.

2,385,774

SNAP FASTENER

Rollin R. Clarke, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application May 20, 1944, Serial No. 536,555
1 Claim. (Cl. 24-217)



In a snap fastener including a stud member, said member comprising a body portion having a downwardly and outwardly flared rim, a perforated holding plate slightly less in diameter mounted on the said body portion and the metal of the flared rim bent back on itself clamping said plate in position, a central dependent cylindrical wall in the body portion, the lower portion of the wall provided with a projecting annulus semicircular in cross section and the annulus provided with a plurality of spaced slots, an eyelet adapted to be forced through a carrying medium and headed against the inner surface of said aforementioned plate.

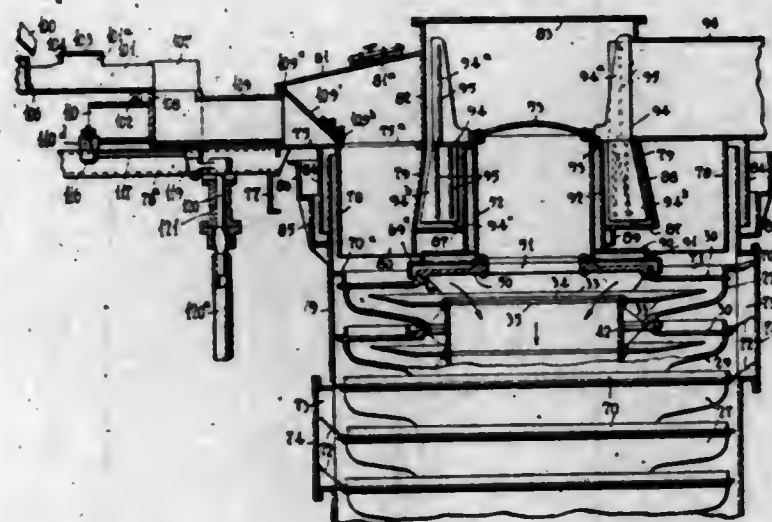
2,385,775

CONTINUOUS RETORT

McGarvey Cline, Jacksonville, Fla.
Original application May 3, 1939, Serial No. 271,595. Divided and this application January 21, 1942, Serial No. 427,661
22 Claims. (Cl. 202-104)

1. A retort comprising a vertical cylindrical shell, a stack of hollow superposed annular heat-

ing elements having spaced top and bottom walls united at their outer peripheries, inside of said shell, each element being preformed as a complete unit, substantially horizontal baffle means within and carried by each element at a point between said walls, said baffle means being spaced



from the outer peripheries of said walls, and means connecting the interiors of said elements so as to form with said walls and baffle means a continuous vertically zigzag fluid passageway through all of said elements in series from the bottom to the top of the stack.

2,385,776

ABRASIVE COMPOSITIONS

Rupert S. Daniels, Union, and Anthony J. Mostello, Newark, N. J., assignors to Bakelite Corporation, a corporation of New Jersey
No Drawing. Application February 21, 1942.
Serial No. 431,826

8 Claims. (Cl. 51-298)

1. Abrasive article comprising abrasive grains and a bonding agent for the grains comprising essentially the reaction product of a diolefin adduct of a conjugated unsaturated dibasic acid and a member of the group consisting of polyhydric alcohols and polyalkylol amines.

2,385,777

NUT-SUPPORTING DEVICE

Joseph F. Ebert, Hollis, N. Y., assignor, by mesne assignments, to Smaller War Plants Corporation, New York, N. Y., a corporation of the United States
Application October 26, 1943, Serial No. 507,714
4 Claims. (Cl. 85-32)



1. A device of the character described comprising a strip of flexible material having a series of uniformly spaced polygonal apertures, a pair of opposed V notches in opposite edges of said strip between each pair of apertures, a nut in each aperture of conforming configuration to said aperture and of proper size to prevent rotation of the nut in the aperture, and co-operating means on said strip and nut to retain said nut in the aperture.

2,385,778

HOTEL TAG OR THE LIKE

George J. Evalt, Philadelphia, Pa.
Application April 28, 1943, Serial No. 484,894
6 Claims. (Cl. 40-2.2)

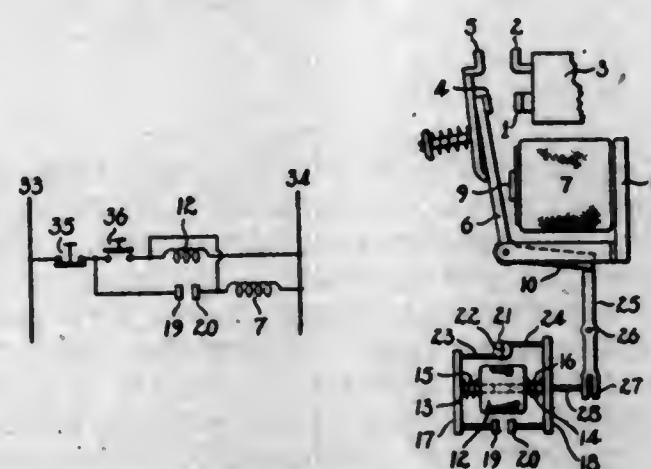


1. A key tag comprising a unitary rigid sheath having communicating main and secondary pockets accessible through a slot in the edge of an end of the sheath, a rigid insert for and closely fitting within the main pocket and closing the slot, the main pocket having shoulders facing the slot and limiting the insertion of the insert and side walls holding the insert against transverse displacement, the front walls of the main and auxiliary pockets having openings, a plurality of indicia bearing elements having a combined area slightly greater than the area of the opening in said secondary pocket wall maintained in alignment by said insert, an indicia bearing element carried by said insert and maintained thereby in alignment with the opening of the main pocket, and key attaching means maintaining said insert in position in the sheath, the side walls of the main pocket terminating short of the end of the sheath having the slot therein, said insert having shoulders engaging the walls of the sheath at said slot to prevent spreading thereof.

2,385,779

ELECTROMAGNETIC CIRCUIT CONTROLLER

Clarence T. Evans, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application July 12, 1943, Serial No. 494,279
4 Claims. (Cl. 175-375)



2. The combination with an electromagnetic switch likely when energized or deenergized to effect circuit commutation under sever shock, of control means therefor comprising an electromagnetic relay having greater stability under like shock, said means locking said switch in a fixed position when said switch and said relay are deenergized and said means when said relay is energized maintaining said switch energized whereby any change in position of said switch when said relay is energized will be only momentary.

2,385,780

DISTRIBUTOR STRUCTURE

Harold P. Faris, Philadelphia, Pa., and John E. White, Trenton, N. J., assignors to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware
Original application October 28, 1940, Serial No. 363,196. Divided and this application April 24, 1943, Serial No. 484,431
12 Claims. (Cl. 91-8)

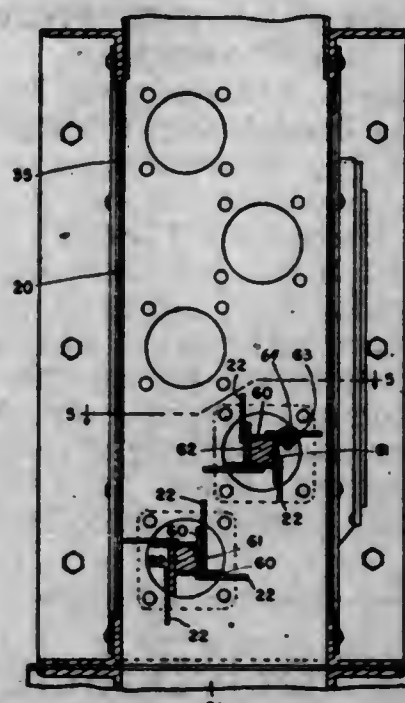


12. A distributor having a casing provided at the top and bottom thereof with an inlet and an outlet for fibers, two pivots spaced laterally apart below the inlet, deflector plates suspended from said pivots and extending downwardly within said casing for directing fibers from the inlet toward certain areas of the outlet, a pair of shafts spaced laterally apart below the pivots, levers fixed to said shafts, links connecting the levers to the deflector plates, and means for actuating said shafts to move the levers, links and deflector plates.

2,385,781

DISTRIBUTOR STRUCTURE

Harold P. Faris, Philadelphia, Pa., and John E. White, Trenton, N. J., assignors to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware
Application April 24, 1943, Serial No. 484,431, which is a division of application Serial No. 363,196, October 28, 1940. Divided and this application September 27, 1943, Serial No. 504,012
12 Claims. (Cl. 91-8)

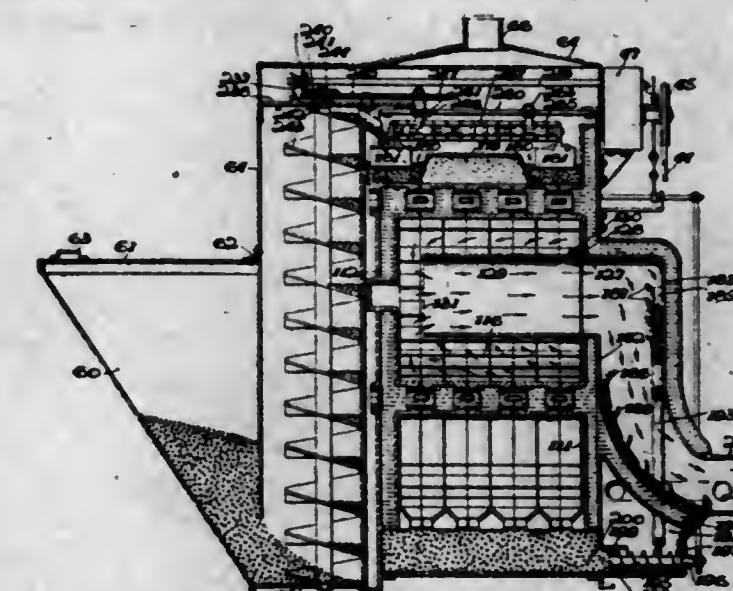


1. A distributor having a casing provided at the top thereof with an inlet and provided at the bottom thereof with an outlet, and means within said casing for breaking up balls, pills and other formations of cut fibers admitted to the inlet so that the fibers as individual elements will be discharged through said outlet, including a pair of rotatable cooperating saw toothed blades, and means for adjusting said blades relative to each other to vary the clearance therebetween.

2,385,782

AUTOMATIC STOKER

Weston M. Fulton, Knoxville, Tenn., assignor to W. J. Savage Company, Inc., Knoxville, Tenn., a corporation of Tennessee
Original application October 9, 1939, Serial No. 298,661, now Patent No. 2,269,812, dated January 13, 1942. Divided and this application July 24, 1941, Serial No. 403,929
17 Claims. (Cl. 110-32)

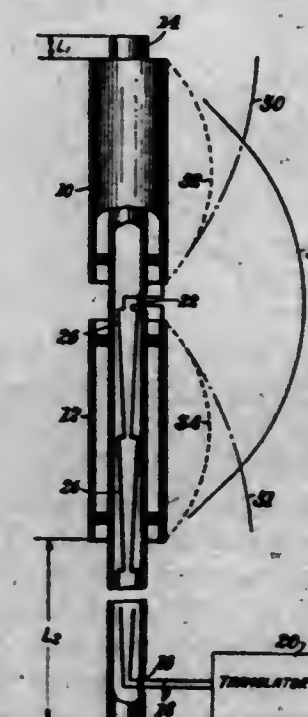


3. In a cross draft stoker, in combination with inner and outer walls provided with tuyeres to form a combustion chamber, said walls extending upwardly above said tuyeres to provide a fuel receiving chamber above the zone of burning fuel in said combustion chamber, fuel feeding means for delivering fuel to the top of the fuel in said receiving chamber, means in said fuel receiving chamber for spreading the fuel delivered by said fuel feeding means with substantial uniformity over the top of the fuel in said receiving chamber, and motive means for driving both of said fuel feeding means and said fuel spreading means.

2,385,783

ANTENNA CONSTRUCTION

Andrew Alford and Morton Fuchs, New York, N. Y., assignors to Federal Telephone and Radio Corporation, a corporation of Delaware
Application September 30, 1942, Serial No. 460,290
9 Claims. (Cl. 250-33)



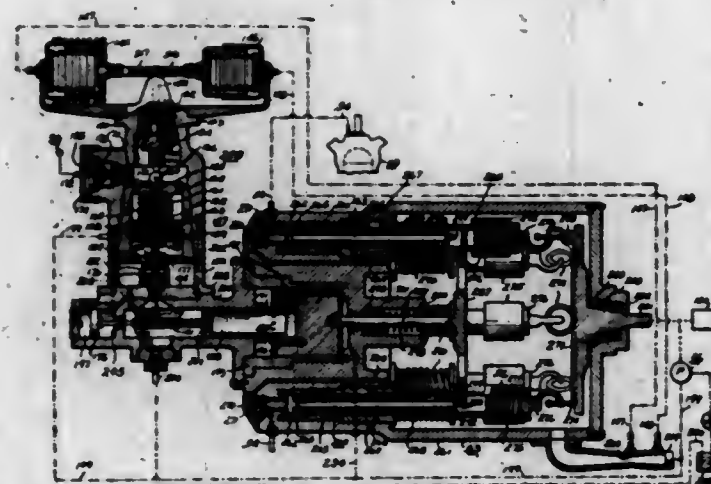
1. A vertical antenna comprising a conductive mast, two radiators surrounding said mast, one disposed above the other and spaced apart a relatively short distance, said mast extending a

distance above the upper end of the upper radiator to produce an effect on the impedance of the upper radiator substantially similar to the effect produced by the lower portion of the mast on the lower radiator.

2,385,784

LIQUID METERING DEVICE

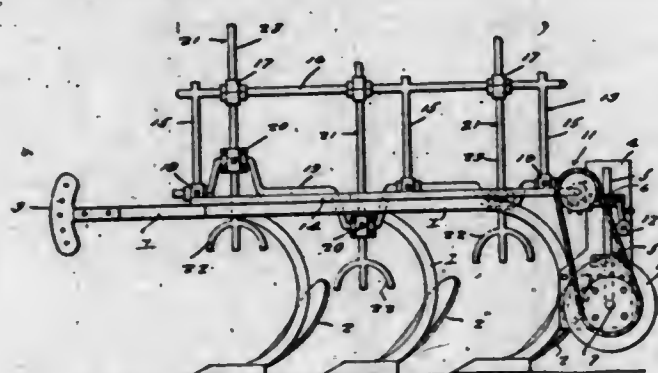
Thomas A. Baker, Logansport, Ind.
Original application May 12, 1942, Serial No. 442,711. Divided and this application December 24, 1942, Serial No. 470,015
13 Claims. (Cl. 103-37)



1. A liquid metering device comprising, in combination, a plurality of cylinders, a plurality of pistons therefor, valve means having a seat part and a closure part therefor carried by the pistons, means for actuating the pistons, and adjustable means for controlling the operation of the valve means to govern the quantity of liquid ejected upon the movement of the pistons in the cylinders.

2,385,785
PLOW

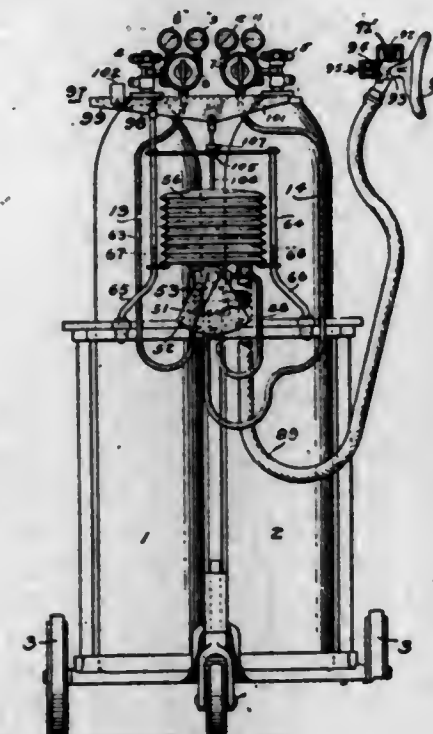
Orval L. Beasley and Lee L. Beasley,
Ferdinand, Idaho
Application May 27, 1944, Serial No. 537,615
2 Claims. (Cl. 97-35)



1. A plow comprising a plurality of beams, plows mounted on said beams, a frame structure mounted on the beams, a stationary shaft mounted horizontally on the frame structure, a crankshaft journaled horizontally on the frame structure below the horizontal plane of the stationary shaft, a plurality of forks slidably and rockably connected to the stationary shaft, means connecting said forks to the crankshaft for actuation thereby for sweeping straw, et cetera, from the path of the plows, a plate mounted on one of the beams, a spindle mounted for vertical adjustment on said plate, a ground wheel journaled on said spindle, and means operatively connecting said ground wheel to the crankshaft.

2,385,786
APPARATUS FOR THE ADMINISTRATION OF GASEOUS MIXTURES

Howard F. Brubach, Wood Acres, and Laurence R. Crisp, Bethesda, Md.
Application September 24, 1941, Serial No. 412,164
15 Claims. (Cl. 128-203)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In apparatus for the administration of gaseous mixtures, the combination with a breathing chamber, of means for conducting one gas, means for conducting another gas, safety means for permitting the flow of the gases in both of said conducting means only when the gas pressure in one of said conducting means is a predetermined value, and means whereby the gases from said separate conducting means may be mixed and supplied to said breathing chamber, said last-mentioned means including a proportioning valve.

2,385,787
ARYLOXYDIHYDRONORPOLYCYCLOPENTADIENES

Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application February 20, 1943, Serial No. 476,642
10 Claims. (Cl. 260-612)

1. An acid-catalyzed, addition-rearrangement product of an aromatic benzenoid compound having a phenolic hydroxyl group and a crystalline polycyclopentadiene having two double bonds and one to four endomethylene cycles per molecule, said product being a dihydronorpolycyclopentadienyl ether of said benzenoid compound.

2,385,788
HYDROXYDIHYDRONORPOLYCYCLOPENTADIENES AND METHOD FOR THEIR PREPARATION

Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application February 20, 1943, Serial No. 476,645
8 Claims. (Cl. 260-617)

6. An acid-catalyzed, addition-rearrangement product of water and a crystalline polycyclopentadiene having two double bonds and one to four endomethylene cycles per molecule, said product being a dihydronorpolycyclopentadienyl ether of said benzenoid compound.

tadiene having two double bonds and one to four endomethylene cycles per molecule, said product being a hydroxydihydronorpolycyclopentadiene, a compound having a secondary alcoholic hydroxyl group in one terminal five-membered cycle and a cyclopenteno ring as an opposite terminal cycle.

2,385,789

NORENDOMETHYLENE HEXAHYDROFLUORENYL ALCOHOL

Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application January 8, 1944, Serial No. 517,204
2 Claims. (Cl. 260-618)

1. A method for preparing norendomethylene hexahydrofluorenyl alcohol which comprises reacting aqueous sulfuric acid of 25% to 80% sulfuric acid content at 65° C. to 130° C. with 1,4-endomethylene tetrahydrofluorene.

2. As a new compound, norendomethylene hexahydrofluorenyl alcohol, a secondary alcohol which, when pure, consists of colorless crystals melting at 107-108° C.

2,385,790

PHENYL ENDOETHYLENE CYCLOPENTANOL

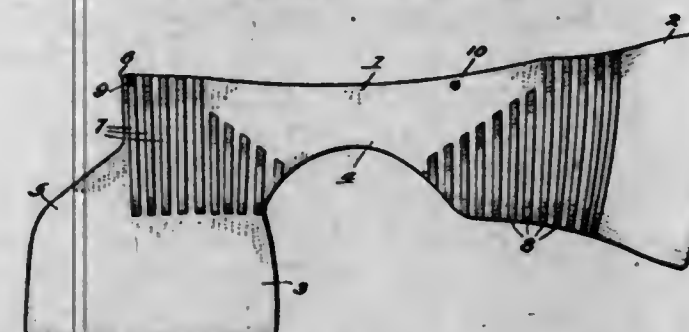
Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application January 26, 1944, Serial No. 519,795
1 Claim. (Cl. 260-618)

As a new compound, phenyl endoethylene cyclopentanol, a hydration-rearrangement product of 2,5-endomethylene-1,2,5,6-tetrahydrodiphenyl, said product being a secondary alcohol, boiling, when pure, at 128°-130° C. at 1 mm. pressure.

2,385,791

MUFFLER

Harald P. Bye, Washington, D. C.
Application April 13, 1944, Serial No. 530,806
3 Claims. (Cl. 2-91)



1. A muffler having a central body portion notched to fit the neck of a wearer and having terminal end portions, one of said terminal ends extending laterally from the central body portion and being widened with respect thereto, and the other terminal end extending downwardly at substantially right angles to said central body portion and the first mentioned terminal end.

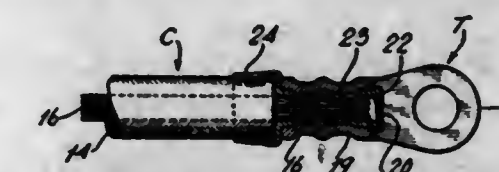
2,385,792

ELECTRICAL CONNECTOR

Vernon E. Carlson, Short Hills, N. J., assignor to Aircraft-Marine Products, Inc., Elizabeth, N. J., a corporation of New Jersey
Application August 17, 1942, Serial No. 455,034
3 Claims. (Cl. 173-269)

1. An electrical connector comprising a terminal contact portion and a thimble-receiving ferrule

rule portion, and a thin metal thimble having a closed end, and an open end adapted to receive the end of an electrical conductor; said thimble being embraced within said ferrule portion, and the closed end of said thimble being upset over



an edge of the ferrule portion toward the terminal contact portion and another portion of the thimble being extended over an opposite edge of the ferrule portion, whereby the thimble is secured in position in the ferrule portion.

2,385,793

PRINTING INK

Everett F. Carman, Rutherford, N. J., and Walther Reil, New York, N. Y., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application February 7, 1942, Serial No. 429,960
3 Claims. (Cl. 106-29)

1. A printing ink consisting of pigment dispersed in a vehicle comprising an aqueous dispersion of a trialkylol amine soap of talloil, the talloil and water being present in relative amounts sufficient to produce the consistency of ordinary news ink and there being sufficient water-soluble trialkylol amine to obtain complete saponification of the talloil, and produce a liquid soap.

2,385,794

HIGH FREE ROSIN SIZE DISPERSIONS

Fred L. Chappell, Jr., Kalamazoo, Mich., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 24, 1941, Serial No. 390,113
19 Claims. (Cl. 106-144)

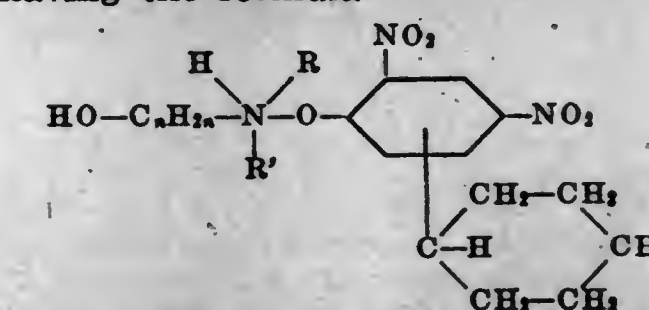
8. A method of making a high free rosin size dispersion which comprises treating an aqueous dispersion comprising saponified rosin, said rosin having been saponified by means of an alkali metal alkali, with an organic acid anhydride capable of hydrolyzing said saponified rosin in aqueous solution, said organic acid anhydride being employed in an amount insufficient to reduce the pH of the dispersion below about 6.

2,385,795

N-HYDROCARBON SUBSTITUTED ALKANOLAMINE SALTS OF DINITRO-PHENOLS

Gerald H. Coleman and Frank B. Smith, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 25, 1941, Serial No. 390,367
6 Claims. (Cl. 260-563)

1. An N-hydrocarbon-substituted alkanolamine salt having the formula

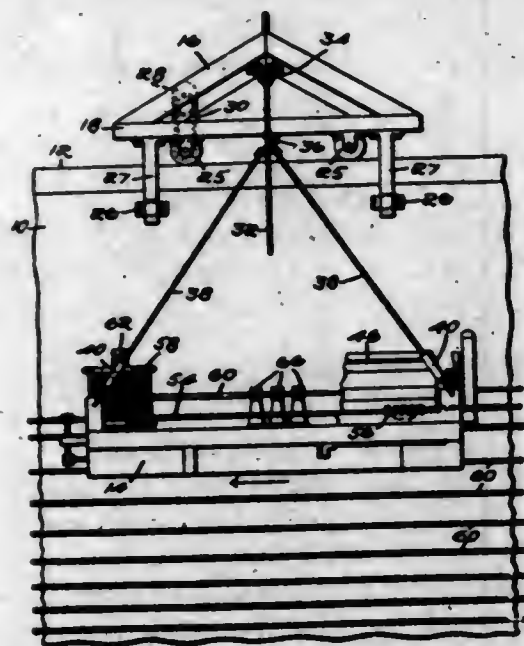


R' represents a member of the group consisting of hydrogen and the alkyl, cycloalkyl, aralkyl, and $\text{HO}-\text{C}_n\text{H}_{2n}$ radicals, and n is an integer from 2 to 6 inclusive.

2,385,796

METHOD OF AND APPARATUS FOR TENSIONING WIRE IN BANDING OPERATIONS

John M. Crom, Washington, D. C.
Application March 20, 1944, Serial No. 527,188
4 Claims. (Cl. 242-7)

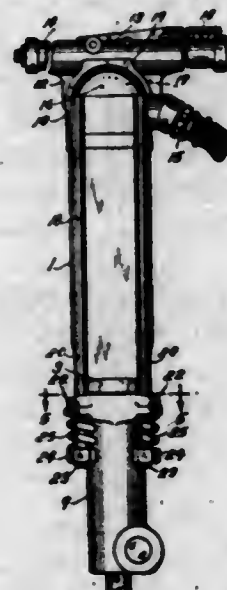


1. A method of tightly banding an object circumferentially with continuous wire reinforcement, which consists in passing a banding wire from a supply point through a reducing orifice and from thence into contact with the object to be banded, and continuously banding the wire onto and around the object while maintaining a relative movement of the orifice and wire in a direction passing the wire through the orifice to the object and exerting the wire reducing pull of the orifice on and along the wire to and against the object.

2,385,797

IMPACT TOOL

John C. Curtis, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application May 6, 1942, Serial No. 442,001
3 Claims. (Cl. 121-36)



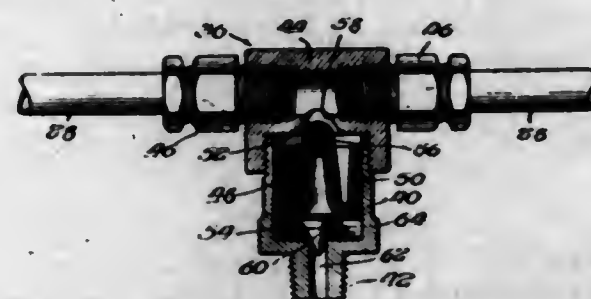
1. In a portable impact tool, a tool body including a plurality of cooperating parts including a rear handle part, an intermediate motor cylinder part and a front chuck part, said chuck part having perforated lugs, and said rear handle part having oppositely extending grasping por-

tions lying in a series of parallel longitudinal planes one of which includes the longitudinal axis of the tool, said rear handle part also having lateral lugs located at the opposite sides of said longitudinal planes in which said grasping portions lie and having arcuate grooves, and U-bolts extending longitudinally in parallelism at the opposite sides of the tool body entirely within the longitudinal limits of the tool body, said U-bolts having their curved rearward U-portions received in said arcuate lug grooves in close proximity to the sides of the tool body, and having their parallel leg portions extending longitudinally along the sides of the tool body through the lug perforations of the front chuck part, the sides of the motor cylinder part projecting between said leg portions and at least the one of said sides nearer the operator as he handles the tool providing a relatively smooth surface of substantial area between said leg portions for engagement by the leg of the operator in manipulating the tool, and said U-bolts lying in longitudinal planes parallel to any being spaced equi-distantly from the closest one of said longitudinal planes in which said grasping portions lie, said leg portions having threaded forward free extremities and tightening nuts threaded on said extremities and adjustable to tension said U-bolts to clamp the tool body parts together.

2,385,798

FLOW RESTRICTING VALVE FOR OILING SYSTEMS

Ernest W. Davis, River Forest, Ill.
Application December 16, 1942, Serial No. 469,175
4 Claims. (Cl. 277-42)



1. In a flow-restricting fitting for a centralized oiling system, a cylinder having an inlet and an outlet; a piston constructed of resilient material and movable longitudinally in said cylinder; flow-restricting means for conducting oil from said inlet to said outlet; a check valve for said inlet, said check valve being integral with said piston; a throttle valve for said outlet, said throttle valve abutting said piston and receiving motion therefrom; a spring for urging said check valve towards its closed position and for urging said throttle valve towards its open position; and a hollow stem for said check valve, said stem being integral with said piston and said check valve.

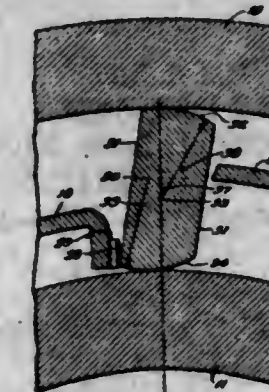
2,385,799

ONE-WAY CLUTCH

Adiel Y. Dodge, Rockford, Ill.
Application March 19, 1943, Serial No. 479,695
5 Claims. (Cl. 192-45.1)

1. A one-way clutch comprising inner and outer coaxial races and grippers mounted between the races having substantially flat parallel sides and arcuate ends curved about centers spaced different distances from the centers of the grippers, the grippers being tiltable in one direction to connect the races and in the other direction to disconnect the races and being so

balanced that a majority of their mass lies on one side of lines extending between their respective points of contact with the outer race and the



axis of the races so that they tend to tilt in a direction to connect the races under the action of centrifugal force.

2,385,800

PAINT

Alfred Douty, Elkins Park, and Frank B. Freese, Lansdale, Pa., assignors to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware

No Drawing. Application February 27, 1941,
Serial No. 380,770

2 Claims. (Cl. 148-6)

1. A siccativ paint including organic film-forming material emulsified as a dispersed phase in a continuous aqueous phase including phosphoric acid, together with a cation-active emulsifying agent; an organic liquid blending agent from the class consisting of aliphatic alcohols of not more than eight carbon atoms and glycol ethers; a solvent in the dispersed phase which evaporates more slowly than water; and a pigment substantially unaffected by the phosphoric acid; the concentration of free acidity in the aqueous phase being sufficient to impart to that phase a pH of 4.5 but not more than enough to yield a free acidity of 1.0 normal.

2,385,801

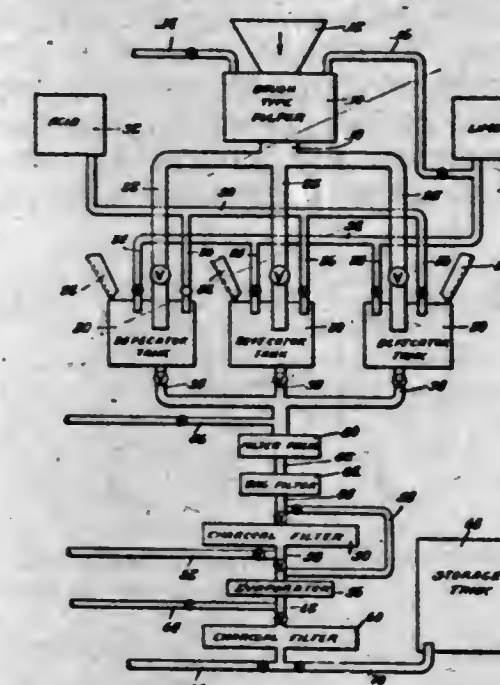
PREPARATION OF A SWEETENING MEDIUM FROM FRUIT

Arvid M. Erickson, San Jose, and John D. Ryan, Campbell, Calif., assignors to Barron-Gray Packing Company, San Jose, Calif., a corporation of California

Application March 16, 1942, Serial No. 434,852
10 Claims. (Cl. 127-50)

1. In the process of preparing a sweetening medium from fruit, the steps which comprise adding an alkaline defecating agent to a composition comprising both the liquid and flesh portions of the fruit, said alkaline material being added in a quantity sufficient to substantially increase the pH of the fruit composition to a pH within the range from about pH 4 to about pH 8.7 and react with undesired impurities, then adding an acid defecating agent, said fruit being ground to a fine pulp at least prior to the addition of said acidic material, and said acidic material being added in sufficient quantity to materially reduce the pH of the pulp to a pH in the range from about pH 4 to about pH 6.3 and in cooperation with said alkaline material to precipi-

tate out undesired impurities in the form of an easily filterable and washable precipitate, thereafter heating the mixture to a temperature above



about 73° C. to form said precipitate and separating the treated composition into a clear liquid and insoluble solid material.

2,385,802

PROCESS FOR THE MANUFACTURE OF PLASTICS

John D. Ferry, Woods Hole, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York

No Drawing. Application February 9, 1942,
Serial No. 430,077

4 Claims. (Cl. 106-124)

1. A process for the manufacture of plastics which comprises as steps removing the corpuscles from blood while preventing clotting of the fibrinogen constituent, treating the resulting plasma for the precipitation of fibrinogen therefrom, drying the precipitated fibrinogen and mixing it with a plasticizer, molding the resulting mixture and setting the same by heat.

2,385,803

PROCESS FOR THE MANUFACTURE OF PLASTIC COMPOSITIONS

Edwin J. Cohn, Cambridge, and John D. Ferry, Woods Hole, Mass., assignors to Research Corporation, New York, N. Y., a corporation of New York

No Drawing. Application February 9, 1942,
Serial No. 430,076

3 Claims. (Cl. 106-124)

1. A process for the manufacture of a protein plastic which comprises as steps precipitating fibrinogen from blood plasma, drying the precipitated fibrinogen and mixing it while in a finely-divided condition with another protein selected from the group consisting of albumin and globulin and with a plasticizer, and setting the resulting mixture under heat and pressure.

2,385,804

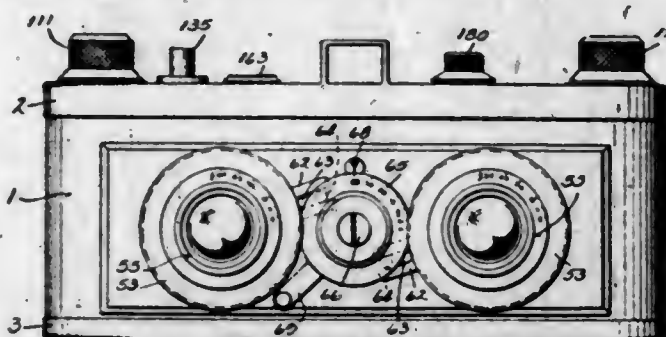
CAMERA

Charles L. Fitz, Three Lakes, Wis., assignor of one-half to Fred Dobbs and one-half to said Fitz, both of Three Lakes, Wis., as copartners
Application August 15, 1941, Serial No. 496,942

23 Claims. (Cl. 95-18)

1. In a stereoscopic camera, the combination with means for displaying film at spaced lengths,

of individual shutter mechanisms for exposing film displayed at such points and corresponding masks determining the frames of film exposed at such points, means providing a film loop intermediate the respective masks for the support of the intervening film upon a path of such length that two frames of film are disposed between the frames exposed at the respective masks, and film transporting means for advancing the film two frames in each given operation, said film trans-



porting means including a stop operative to limit the film advance to two frames, together with manually operable means independent of said transporting means for releasing said stop, actuation of said releasing means being prerequisite to further film transport the film guiding means intermediate the points of film exposure including a rotor film-operated during the transport of the film and provided with operative connections to said stop means.

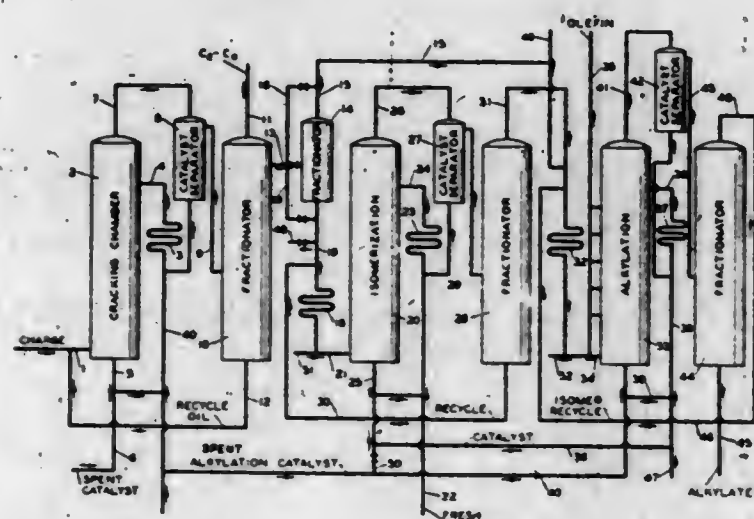
2,385,805

WITHDRAWN

2,385,806

CATALYTIC CRACKING-ISOMERIZATION ALKYLATION PROCESS

Arch L. Foster, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application February 16, 1942, Serial No. 431,174
7 Claims. (Cl. 196-54)



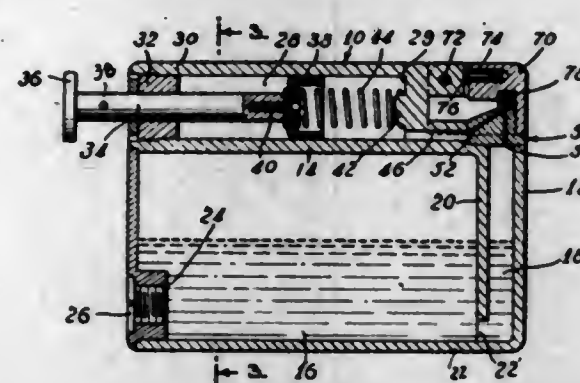
2. A process which comprises subjecting a petroleum oil ranging from naphtha to heavy gas oil to cracking with a metal halide catalyst which has been spent for a subsequent alkylation step, under relatively severe conditions to form substantial quantities of C_4 to C_6 paraffin hydrocarbons, subjecting to catalytic isomerization the content of said C_4 to C_6 paraffin hydrocarbons which is capable of forming more highly branched iso-paraffins under relatively mild conditions using a fresh metal halide catalyst which is the same as that used in the cracking step, and alkylating the C_4 to C_6 iso-paraffins with low molecular weight olefins under conditions more

severe than said conditions for said isomerization but less severe than for said cracking using as catalyst the spent catalyst from said isomerization step.

2,385,807

ATOMIZER

Max L. Goldberg, New York, N. Y.
Application September 15, 1942, Serial No. 458,424
2 Claims. (Cl. 299-88)

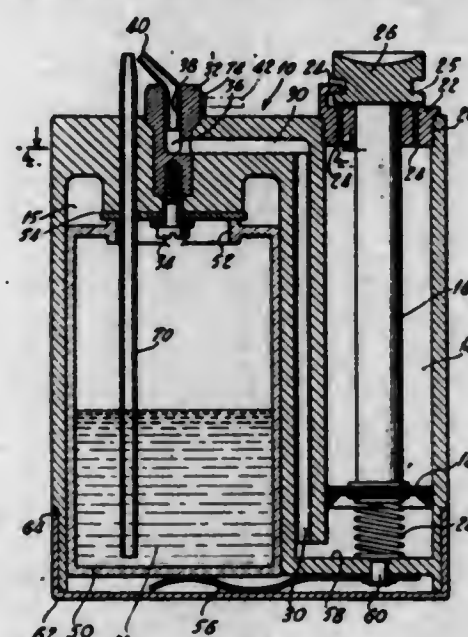


1. In an atomizer, a main fluid reservoir, a secondary and smaller fluid reservoir in communication with the main reservoir, an air pump, a nozzle head, canals through the head leading from the main and auxiliary chambers to the atmosphere, and a canal through the head leading from the air chamber into one of the first referred to canals.

2,385,808

ATOMIZER

Max L. Goldberg, New York, N. Y.
Application July 27, 1944, Serial No. 546,767
8 Claims. (Cl. 299-88)



1. In an atomizer, a pump chamber, an air outlet, a communication between the pump chamber and the outlet, a fluid reservoir and a plurality of tubes projecting thereinto from the atmosphere, and means to associate the air outlet with any of the tubes.

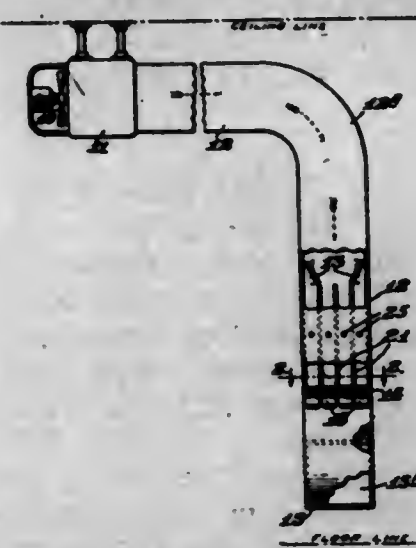
2,385,809

DRYING APPARATUS

Ray L. Hooper, Brevard, N. C., assignor to Ecusta Paper Corporation, a corporation of Delaware
Application November 11, 1942, Serial No. 465,280
2 Claims. (Cl. 34-193)

1. An apparatus for use in determining the moisture content of pulp samples for quantitative calculations during the manufacture of pulp, comprising a vertical air duct of substantially uniform cross-section throughout its length, a heater and a cooperating fan arranged in said

duct for creating and forcing a controlled stream of drying air downwardly through said duct and lengthwise thereof, a plurality of air-permeable boxes adapted to contain representative pulp samples selected from a batch in the course of processing, and partitioned means forming compartments for receiving and supporting said boxes individually in side by side arrangement transversely in said duct, and for positively dividing

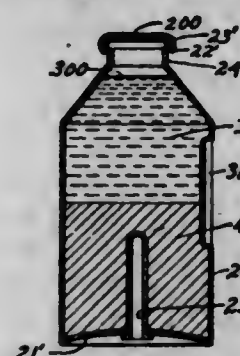


the stream of drying air in said duct and leading a constituent stream separately through each of said boxes, whereby the drying air is channeled a substantially equal distance to each of said boxes and the pulp samples contained therein are independently and uniformly dried, and damper means associated with said partitioned means for selectively restricting the stream of drying air in said duct to particular compartments formed by said partition means.

2,385,810

METHOD OF FILLING CONTAINERS WITH EXPLOSIVE MIXTURES

Nevil Monroe Hopkins, New York, N. Y.; Raymond B. Hopkins executor of said Nevil Monroe Hopkins, deceased
Application March 9, 1942, Serial No. 433,988
7 Claims. (Cl. 86-20)



1. The method of filling a container with two liquid ingredients which comprises introducing one of the ingredients in a liquid phase thereof into the container, freezing the introduced liquid ingredient while in the container, introducing the other ingredient in a liquid phase thereof into the container and in contact with the frozen ingredient, hermetically sealing the container before the frozen ingredient has melted, and liquefying the frozen ingredient after the container is sealed.

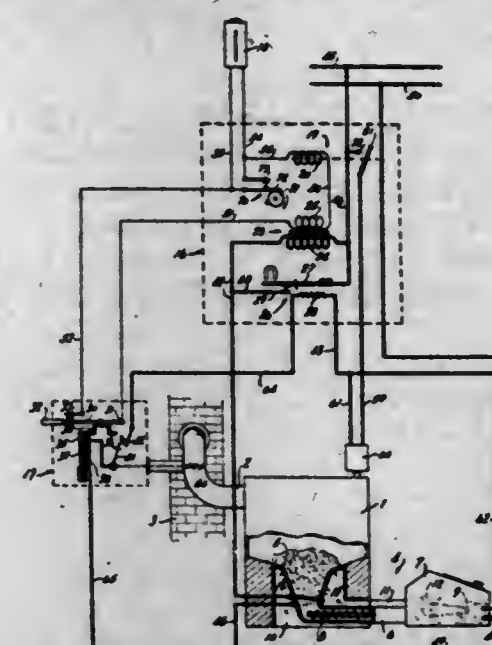
2,385,811

STOKER CONTROL APPARATUS

Clifford Hotchkiss, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application March 17, 1941, Serial No. 383,654
26 Claims. (Cl. 110-1)

1. In a control system for a stoker having an air feeding portion, a fuel feeding portion and an

igniter, the combination of, control means responsive to the demand for heat from the stoker for placing the same into and out of operation and automatic means including combustion re-

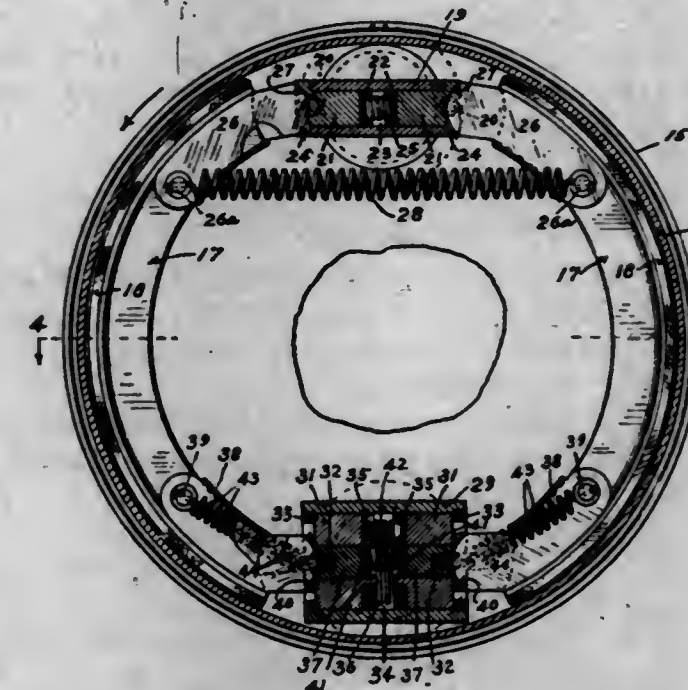


sponsive means for normally rendering the igniter inoperative when combustion is present, while rendering the igniter operative and intermittently rendering at least a portion of the stoker inoperative when combustion is not present.

2,385,812

VEHICLE BRAKE

Roy C. Hoyt, Duluth, Minn.
Application March 28, 1941, Serial No. 385,720
26 Claims. (Cl. 188-152)

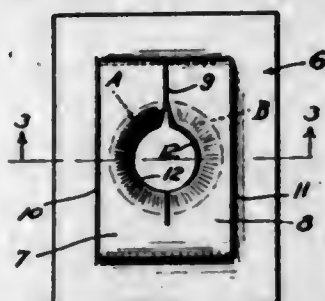


1. A vehicle braking device having in combination, a set of brakes for certain wheels of a vehicle, a brake for each wheel comprising a drum and a plurality of brake shoes for engaging the same and arranged for some movement substantially circumferentially of said drum when brought into frictional engagement therewith, a chamber containing fluid, plungers acting on said fluid and movable by said fluid connected respectively to said shoes, a master cylinder containing fluid, a piston movable in said cylinder exerting pressure on said fluid in said chambers to move said shoes into frictional engagement with said drums, a second chamber for each of said drums, the same containing fluid, means movable by said shoes respectively for exerting pressure on said fluid in said last mentioned chamber, a second set of brakes for other vehicle wheels, the brake for each of said latter wheels including a drum and shoes movable into engagement therewith, a fluid containing chamber and means

2,385,821

STAMPED LOCK NUT

Harold J. Le Vesconte, Glendale, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application December 26, 1944, Serial No. 569,866
6 Claims. (Cl. 85-36)

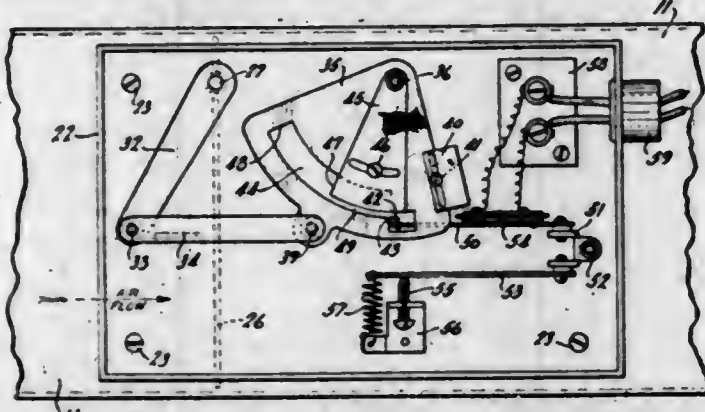


1. In a nut, a plate-like sheet metal body, elongated resilient portions integral with said body and disposed in side by side relation to one another and in substantially equally outwardly offset relation to said body, and complementary edge portions formed between the ends of the adjacent side edges of said resilient portions so as to define an opening for a screw threaded fastening, said complementary edge portions and only the relatively small areas of said resilient portions contiguous said edge portions being distorted to angularly dispose said edge portions for a screw threaded engagement with a screw threaded fastening turned in said opening.

2,385,822

STOKER DAMPER CONTROL

Homer E. Malone, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application August 3, 1940, Serial No. 350,396
20 Claims. (Cl. 110-72)



1. In a fluid control device, a conduit through which fluid is arranged to flow, a valve in said conduit normally biased to closed position in the conduit and movable to open position in response to the flow of fluid through the conduit, a slow operating device actuated with the initial flow of fluid through the conduit, means controlled by said device for preventing movement of the valve to open position upon the initial flow of fluid, and for preventing movement of the valve to closed position when the fluid flow ceases, said device operating after the lapse of a substantial period of time to cause said means to release the valve for movement to either of its positions.

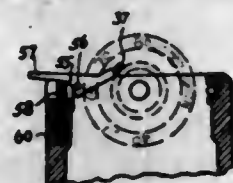
2,385,823

CONDITION CONTROLLER

Homer E. Malone, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application June 20, 1941, Serial No. 398,977
17 Claims. (Cl. 200-140)

1. In a controller for an air conditioner which is adapted to heat a space during the heating season and to improve conditions therein at other

times, the combination of, a control device having a first position adapted to place the conditioner into operation and a second position adapted to place the conditioner out of operation, a thermostatic element for moving said control device to its first position upon fall in temperature to a predetermined value and for moving said control device to its second position upon rise in temperature above said value, control point adjusting means for determining the temperature at which the control device is actuated by the thermostatic element, said control point adjust-



ing means being capable of varying the control point from values suitable for the heating season to a value higher than the temperatures normally occurring at other times for causing the control device to assume its first position substantially irrespective of temperature, stop means associated with said adjusting means for preventing accidental adjustment of the control point above a value which is suitable for the heating season, and release means for said stop means for permitting adjustment of the control point to a higher value.

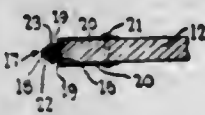
2,385,824

DEBARKATION LADDER

Nathan G. Margolin and Edgar M. Anderson, Brooklyn, N. Y., assignors, by direct and mesne assignments, of one-half to Noel L. Dahlander, New Milford, Pa., and one-half to Robert J. Earl, New Canaan, Conn.

Application June 9, 1943, Serial No. 490,168
4 Claims. (Cl. 228-40)

1. In a debarkation ladder including at least one ladder section comprising a pair of chain elements, a plurality of rungs connecting said chain elements and uniformly spaced, each said rung being non-circular in cross-section, an eye element including an eye portion, shoulder portions and opposed arm portions fitted to the end of each rung with the terminal end of the rung abutting said shoulder portions, means fastening



said arm portions to the sides of said rung, each eye portion encircling a link of a chain element, bolt means extending through each eye portion and associated link for holding the same in assembled relation, said rung having an annular recess formed in each terminal end thereof, and a reinforcing and wear preventing ferrule seated in each annular recess.

2,385,825

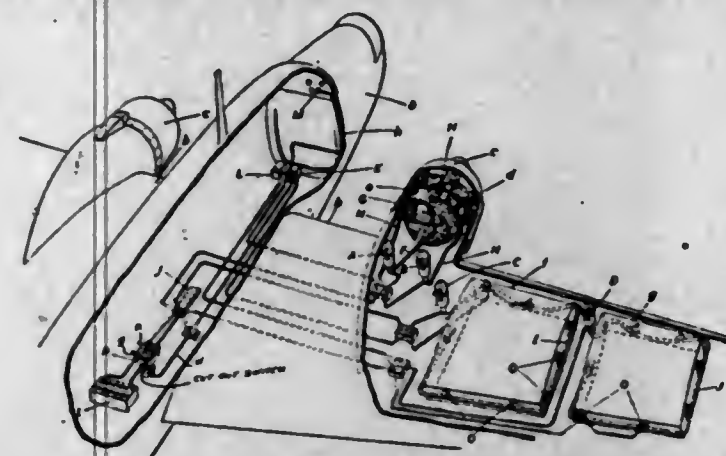
ELECTRICAL FIRE PREVENTING SYSTEM FOR AIRCRAFT

Anders Mathisen, Isleworth, England, assignor to Grainer Manufacturing Company Limited, Isleworth, Middlesex, England
Application May 15, 1943, Serial No. 487,176
In Great Britain July 8, 1942

11 Claims. (Cl. 169-2)

1. Fire-fighting equipment for aircraft comprising one or more electrically actuated fire extinguisher fluid containers, an electric current supply source, a load circuit connected to said source, an electric circuit cut-out switch incorporating electric current carrying contacts of sub-

stantial current-carrying capacity having the contacts connected in said circuit, means for closing said contacts under substantial pressure, impact operated switch means for effecting discharge of said containers and for effecting open-



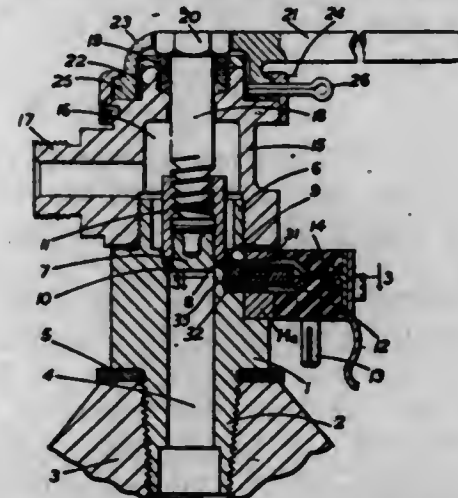
ing of said cut-out contacts when abnormal deceleration is applied to the aircraft, and means for introducing a time lag between the application of deceleration to the aircraft and the opening of said contacts.

2,385,826

MEANS FOR STOPPERING AND OPENING FLUID CONTAINERS

Anders Mathisen, Isleworth, England, assignor to Grainer Manufacturing Company Limited, Isleworth, England, a British corporation
Application December 2, 1943, Serial No. 512,666
In Great Britain December 18, 1942
8 Claims. (Cl. 169-31)

1. A stoppering device for the purpose described, comprising a plug, said plug having an axial bore therein extending substantially therethrough from one end thereof, an externally screw-threaded stem extending co-axially from the other end of said plug, said stem being of slightly smaller diameter than said bore and being connected to said plug by a narrow rim of metal, an annular sleeve integral with said plug, said sleeve being arranged concentrically to said stem, an internally screw-threaded sleeve



engaged at one end by said stem, a screw-threaded bolt engaging the other end of said internally threaded sleeve, and a fitting having an outlet therein, secured to said plug, said fitting having an opening in the end thereof remote from the plug through which said bolt passes.

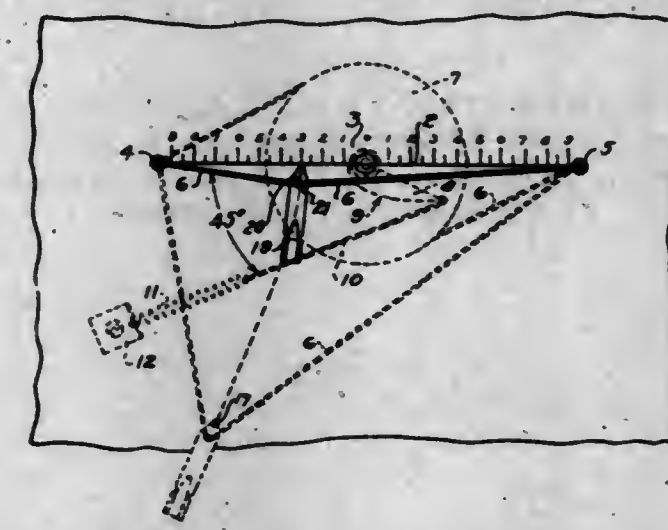
2,385,827

HYPERBOLIC CURVE PLOTTING APPARATUS

Edward McKaba, Brooklyn, N. Y.
Application November 27, 1943, Serial No. 511,929
6 Claims. (Cl. 33-27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a hyperbola plotting device, a plotting board having spaced plotting cord receiving

guide openings formed therein, located at the foci of the hyperbola to be plotted, a hyperbola plotting cord extending between the guide openings with its end portions extending through and beyond the openings, rotary cord movement controlling means mounted on the plotting board comprising a cord winding drum having both end portions of the cord wound around the drum in the same peripheral direction with the

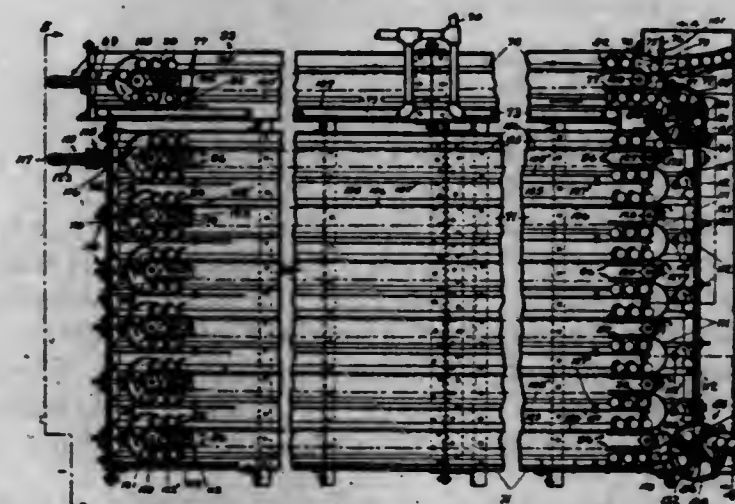


ends secured to the drum, resilient means between the drum and said board for rotating the drum to maintain uniform tension on the cord between the guide openings, a distance-difference reference scale between said guide openings, and a marking stylus having means for adjustably securing the stylus to the cord at any point between the cord receiving guide openings opposite a selected distance-difference reference point on the scale, for scribing a hyperbola on the plotting board with the point selected on the scale as the starting point of the hyperbola and the relatively different distances between the said point and the guide openings for the plotting cord constituting the distance between the foci and the hyperbola.

2,385,828

FOOD-PROCESSING MECHANISM

Emile O. Mehline and William Calvert, Seattle, Wash.
Application September 8, 1941, Serial No. 410,090
1 Claim. (Cl. 99-361)



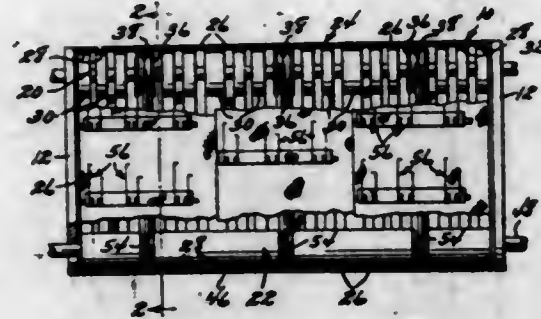
In a device for processing canned foods, a housing member; a preheating chamber in communication with the atmosphere and positioned in the upper portion of said housing member; means providing heated fluid under atmospheric pressure in said preheating chamber; a cooking chamber in said housing member, sealed from the atmosphere and positioned below said preheating chamber; means providing heated fluid under pressure above atmospheric pressure in said cooking chamber; can travel providing means in each of said chambers; can feeding

means connected with said preheating chamber; and a rotatively movable fluid seal can transfer valve means interposed between said two chambers operative to transfer cans from said preheating chamber to said cooking chamber and to substantially prevent transfer of heated fluid under pressure between said two chambers, whereby any inadvertent leak in said valve means will permit use of escaping heated fluid in said preheating chamber.

2,385,829

HARVESTER PICKUP DEVICE

Edward G. Melroe, Gwinner, N. Dak.

Application December 11, 1943, Serial No. 513,923
11 Claims. (Cl. 198—198)

1. In a grain pickup device of the type described, the combination of a supporting means, first and second rotative means mounted on said supporting means, an endless conveyor extending between and trained around said first and second rotative means and consisting of a plurality of sections in side by side relation to each other, one of said rotative means comprising a drive for said conveyor and having a plurality of V-pulleys, and V-belts extending along inner faces of the conveyor sections and secured thereto and drivingly engaging the V-pulleys for driving the conveyor means, strips mounted across outer faces of the conveyor sections with the strips of adjoining sections in staggered relation to each other, fingers pivotally carried by said strips and having handles passing through openings in the conveyor sections, and members extending between said rotative means for engaging the handles of the fingers and holding the fingers in an operative position.

2,385,830

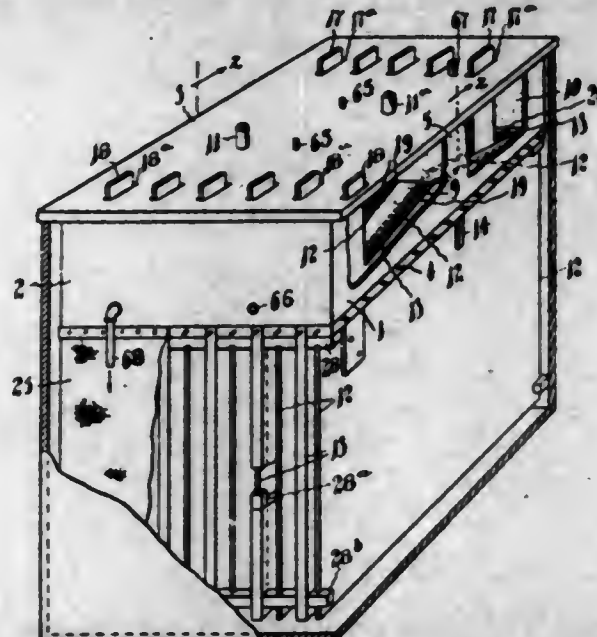
MOLD AND METHOD FOR CASTING ELECTROLYTIC CELLS

Alexander Whiteside Moore and Frank Benjamin Moran, Trail, British Columbia, Herbert Louis Christian, Rossland, British Columbia, and Darcy Drummond Morris, Calgary, Alberta, Canada, assignors to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada, a company of Canada

Application December 4, 1941, Serial No. 421,656
10 Claims. (Cl. 25—130)

1. A mould and core construction for casting, in one piece, a combined gas collector and cell cover for electrolytic cells of the tank type which comprises a bottom forming member, parallel and alternately spaced channel and groove forming cores supported by said bottom member and extending upwardly therefrom, spaced apart side and end forming members supported by said bottom member and enclosing said parallel cores, and fusible cores supported by said channel forming cores, said fusible cores having a relatively low melting temperature which is above the for-

mation temperature of the casting, and detachable cores extending upwardly from said fusible

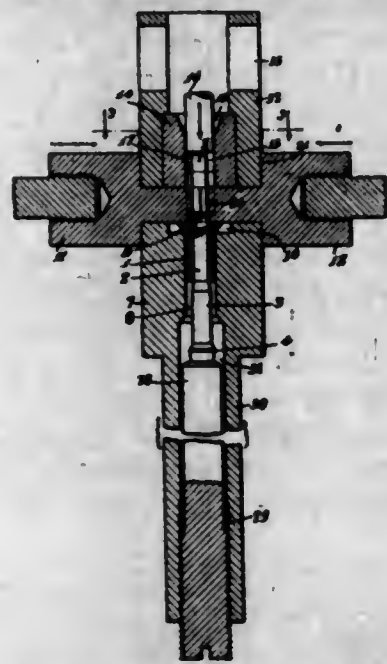


cores above the uppermost surface of the resulting casting.

2,385,831

RIVET MANUFACTURE

Alexander S. Mullgardt, Los Angeles, Calif., assignor to Cherry Rivet Company, Los Angeles, Calif., a corporation of California

Application November 7, 1942, Serial No. 464,881
5 Claims. (Cl. 10—27)

2. A method of forming a blind rivet of the kind described, having a body of sleeve-form and a mandrel having a shank within the body with its outer end projecting beyond the same; said method consisting in holding the said projecting end of the shank in an upsetting chamber within upsetting dies, forcing a plurality of die sections with arcuate fins at their forward ends into the material of the shank at its side and adjacent to the end of the body, and maintaining said fins in that position; and applying pressure to the end face of the shank to upset the same in the upsetting chamber, said fins operating to resist the axial upsetting force and thereby reduce lateral bending of the rivet.

2,385,832

COMPOSITION OF MATTER SUITABLE FOR USE AS A LUBRICANT AND LUBRICANT COMPRISING THE SAME

John M. Musselman, South Euclid, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application October 18, 1943, Serial No. 506,751

20 Claims. (Cl. 252—48)

1. A composition of matter suitable for use as a lubricant and as an addition agent to improve

the characteristics of lubricating oils and greases, comprising a calcium-containing dual-metal compound of the reaction product of a phosphorus sulfide and an oxygen-containing wax.

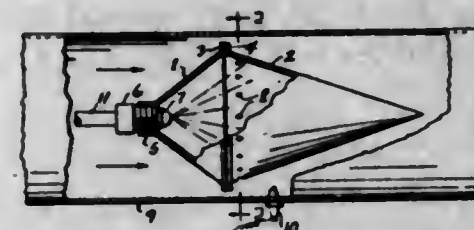
2,385,833

FUEL VAPORIZER FOR JET PROPULSION UNITS

Kevork K. Nahigyan, Hampton, Va.

Application January 27, 1943, Serial No. 473,705
9 Claims. (Cl. 158—53)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

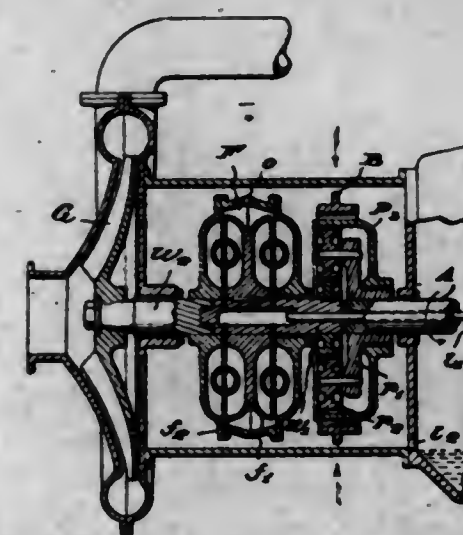


1. For use in a jet propulsion device including a duct adapted to have an air stream passed therethrough; a liquid fuel vaporizer, said fuel vaporizer comprising, a casing having a streamlined outer portion with a plurality of apertures therein, said casing being adapted to be placed in said duct with the streamlined portion thereof facing downstream, means for injecting liquid fuel into said casing to be vaporized whereby said fuel may be discharged in vapor form outwardly through said apertures for ignition, and a shield member disposed on said casing adjacent said apertures and on the upstream side thereof for providing a region of reduced air velocity and high turbulence in the vicinity of said apertures.

2,385,834

LIQUID CLUTCH TRANSMISSION

Fritz Nallinger, Stuttgart, and Arthur Berger, Stuttgart-Oberturkheim, Germany; vested in the Allen Property Custodian

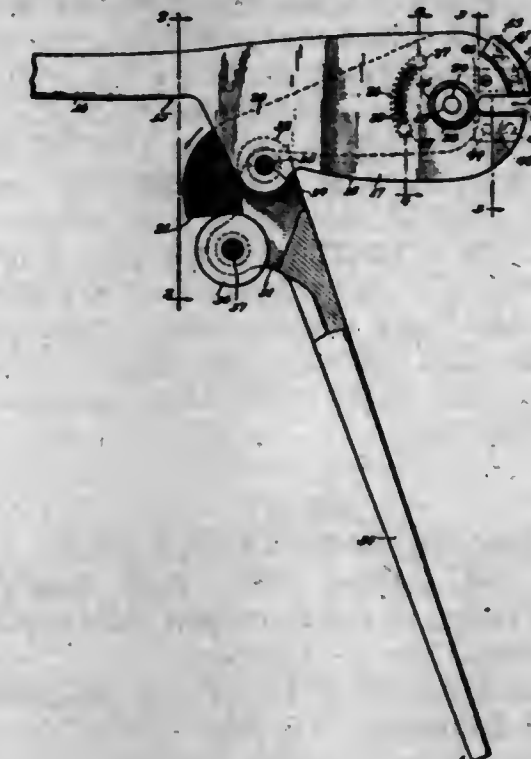
Application March 18, 1938, Serial No. 196,718
In Germany January 15, 1936
6 Claims. (Cl. 74—189.5)

1. In combination, a load, a liquid clutch composed of two operating elements having a working circuit therebetween, one of said elements being connected to said load, a source of power, means comprising planetary gearing for connecting the other element of said clutch to said source of power, and means for varying the power transmitted by said planetary gearing, said planetary gearing including a step-up gearing between the source of power and the liquid clutch element.

2,385,835

LEVER CONSTRUCTION

Ernest C. Neal, Chicago, Ill., assignor of one-half to Elmer Brandell, Chicago, Ill.

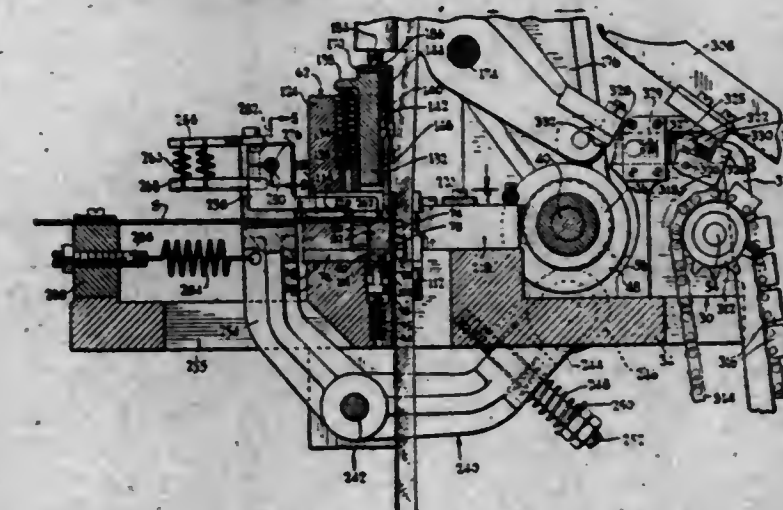
Application January 31, 1944, Serial No. 520,400
10 Claims. (Cl. 30—250)

1. A device of the character described comprising a pair of members pivotally connected for relatively turning movement about a common pivot, a power lever having an end connected on one of said members for relative turning movement thereon about a fulcrum connection spaced from said common pivot, the other of said members having an elongated bearing surface extending adjacent said fulcrum connection and on the side thereof remote from said common pivot, and a bearing member on said power lever and spaced from said fulcrum connection in position to bear upon said bearing surface whereby to provide power multiplying means for relatively turning said members in the performance of a power stroke, said bearing surface being movable, during a power stroke, from a position engaging said bearing member on one side of the plane including the axis of said fulcrum connection and the axis of said common pivot, to a position engaging said bearing member on the other side of said plane.

2,385,836

APPARATUS AND METHOD FOR MANUFACTURING SLIDE FASTENERS

Morris Norkin and Abraham Savitzky, New York, N. Y.

Application November 5, 1942, Serial No. 464,676
28 Claims. (Cl. 153—1)

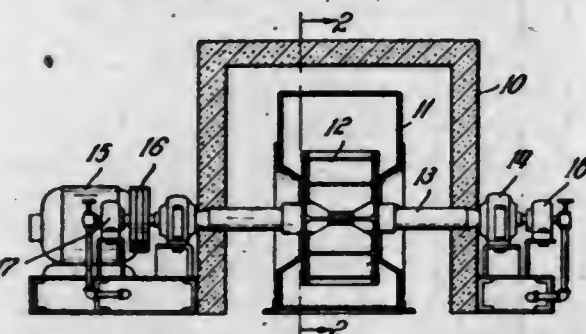
1. In an apparatus for severing slide fastener elements from a formed strip having straight longitudinal edges and for attaching said elements to a tape, and which elements have a pair

of diverging jaws whose outer edges are formed from opposite longitudinal edges of the strip and whose inner edges are free of protuberances, the combination of means to advance said strip toward the tape as elements are successively severed therefrom, a stationary member to support a slide fastener element severed from the strip, a shearing member reciprocally movable relative to said stationary member for cooperation therewith to tear off a slide fastener element from the front of said strip with the tips of its jaws lying in front of said reciprocating member, clamp blades having means to engage the points of said tips to turn said tips inwardly at an angle to the sides of said jaws before said reciprocating member has fully sheared said slide fastener element from said strip and means to subsequently urge the jaws and the returned tips against said tape.

2,385,837

HIGH TEMPERATURE FAN

Carl Nygren, Michigan City, Ind., assignor to Michiana Products Corporation, Michigan City, Ind., a corporation of Indiana
Application May 22, 1944, Serial No. 536,801
20 Claims. (Cl. 230-209)

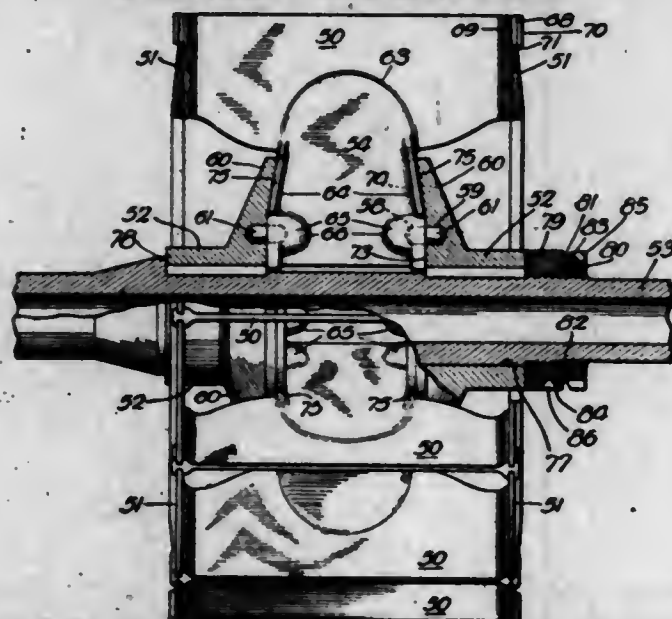


1. In a centrifugal fan, a plurality of blades in circular arrangement about a common axis of rotation with their inner portions converging inwardly toward said axis and their outer portions diverging outwardly from said axis, a shaft, hub members grasping the blades by their inner end portions to bind them fast to the shaft, and shrouds carried by the blades, one at each side of the circular arrangement of blades, each shroud having outwardly opening slots in which grooved side edges of the blades are received with freedom of the blades and shrouds to have relative movement in expanding and contracting.

2,385,838

HIGH TEMPERATURE FAN

Carl Nygren, Michigan City, Ind., assignor to Michiana Products Corporation, Michigan City, Ind., a corporation of Indiana
Application April 21, 1945, Serial No. 589,565
5 Claims. (Cl. 230-134)

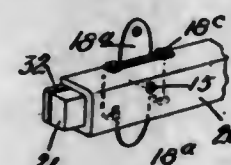


1. In a high temperature centrifugal fan, a plurality of blades in circular arrangement about

a common axis of rotation with their outer portions diverging outwardly from said axis and their inner portions converging inwardly toward said axis and terminating in feet which are axially narrower than the blades, said feet lying in the plane of said axis and having edges diverging inwardly in an axial direction, and hub members having peripheral flanges diverging inwardly in an axial direction and grasping said edges of the feet.

2,385,839

ELECTRICAL CONDUCTOR UNIT ASSEMBLY
Joseph F. O'Brien, Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application April 26, 1941, Serial No. 390,454
3 Claims. (Cl. 173-334.1)

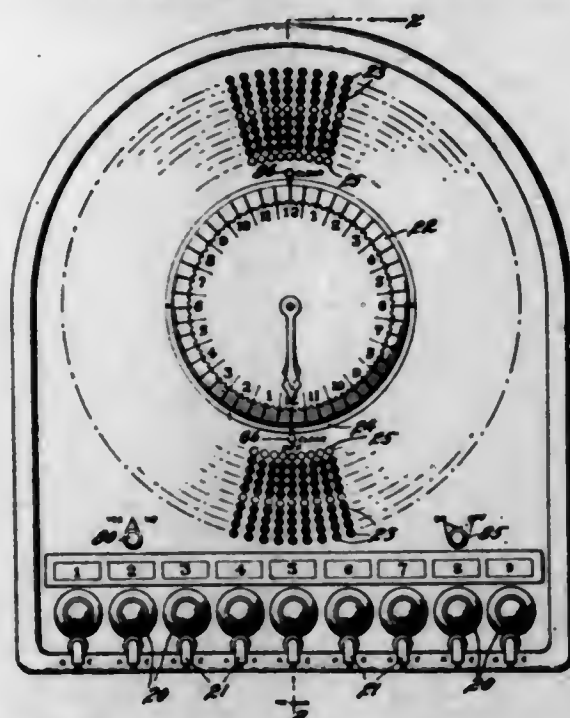


1. An electricity conductor unit comprising the combination with a hollow body comprising a cap member and a base member removably secured thereto, said cap member having an elongate depression in a side wall thereof and said base member having a lug insertable into said depression and cooperating therewith to provide a relatively narrow long slot in said side wall, of means for securing said conductor unit to a wall surface, said means including a finger portion extending over said side wall and into said slot for laterally adjustable securement to said body and wing portions for attachment to such wall surface.

2,385,840

PROGRAM PRESELECTING AND CONTROL APPARATUS

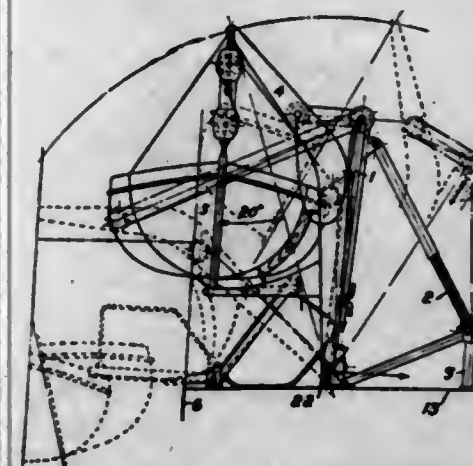
Freeman H. Owens, New York, N. Y.
Application November 23, 1942, Serial No. 466,698
17 Claims. (Cl. 161-1)



1. Program preselecting and control apparatus, comprising a time clock, a rotary arm operated by said time clock, a cam lever shiftably mounted on said arm, selector switches grouped about said rotating arm, latch bars for holding said switches and positioned for release by said cam lever and means for shifting said cam lever from a latch releasing to a non-latch releasing position and vice versa, said means being operable at any time and effective to shift said cam lever one way or the other, irrespective of the rotary movement of the arm carrying said cam lever.

2,385,841

TIPPING GRAVITY DAVIT FOR LIFEBOATS
Antonino Pampinella, Rome, Italy; vested in the Allen Property Custodian
Application November 6, 1941, Serial No. 418,094
In Italy January 12, 1941
1 Claim. (Cl. 9-39)

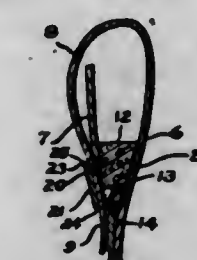


In a tipping davit device for life boats, the combination of a pair of davits mounted on horizontal pivots on the deck of the ship, and spaced from each other along the deck; a pair of beams mounted on horizontal pivots on the deck, the longitudinal axis of each beam lying in the vertical plane in which lies the longitudinal axis of one of said davits; a block and tackle connection between the upper end of each beam and the upper end of its associated davit; a pair of longitudinally adjustable, rigid rods, each having one end mounted on a horizontal pivot on one of the beams adjacent its top, and its other end mounted on a horizontal pivot on the deck, the longitudinal axes of the rods lying in the common planes of the axes of their respective beams and davits; means for adjusting said rods longitudinally; and means for supporting a life boat from said davits.

2,385,842

SPECTACLE CASE

Arthur J. Pratt, Belmont, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application January 4, 1943, Serial No. 471,241
4 Claims. (Cl. 206-5)

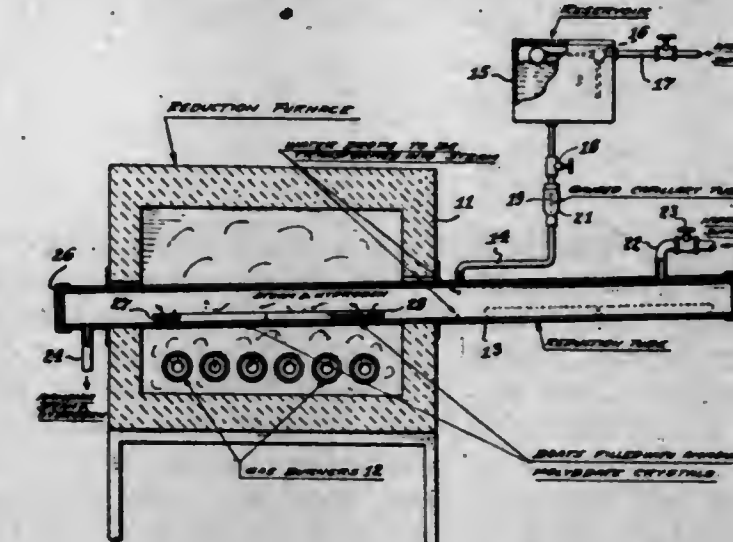


1. A spectacle case composed of rear and front walls connected together along their bottom edges and part of their end portions to provide a pocket for a pair of spectacles, said rear wall having at its top an elongated portion centrally disposed thereof to form a closure flap, an outwardly extending loop formed centrally on the front wall of the case to be used in conjunction with the said flap for providing closure means, said loop being formed by vertically spaced slits in said front wall, a spacer member located between the said rear and front walls adjacent said loop and attached to the rear wall to space the said walls from each other and a recess in the bottom of said member and spaced rearwardly of the front surface of said spacer member receiving that edge portion of the front wall which lies immediately below the lower of said spaced slits.

579 O. G.-4

2,385,843

REDUCTION OF AMMONIUM MOLYBDATE
Robert Fredrik Rennie, Little Falls, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 1, 1941, Serial No. 418,118
12 Claims. (Cl. 75-84)

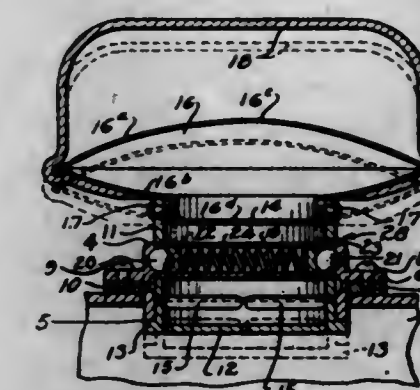


1. The method of reducing ammonium molybdate, comprising heating to break it down, allowing the generated ammonia to reduce some to molybdenum dioxide, admitting a reducing gas to practically complete the reduction to molybdenum dioxide, admitting an inert gas, admitting hydrogen, cutting off the inert gas and raising the temperature and holding the material at such temperature until substantially all the dioxide has been reduced to molybdenum.

2,385,844

AUTOMATIC SUCTION RELIEF VALVE AND AUDIBLE SIGNAL FOR TANK CAR SEGREGATORS

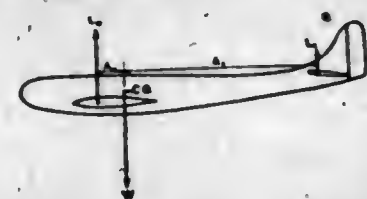
David Samiran, Osborn, Ohio
Application July 13, 1943, Serial No. 494,552
11 Claims. (Cl. 116-138)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a fuel delivery system, including a fuel delivery suction conduit, pump means for creating suction in the conduit to draw a fluid there-through, automatically operable suction relief means in communication with the interior of said suction conduit comprising a freely movable suction operated relief valve movable by the suction in the conduit to vent the conduit to relieve the suction therein, releasable interengaging detent means between the conduit and valve for yieldably supporting said relief valve in closed position, releasable by predetermined suction pressure within the conduit operable on the valve tending to move the same to allow the valve freely to move to its venting position under influence of the suction, and signal means associated with said relief valve operable upon movement of the valve to venting position to indicate that said valve is in suction relief position.

2,385,845

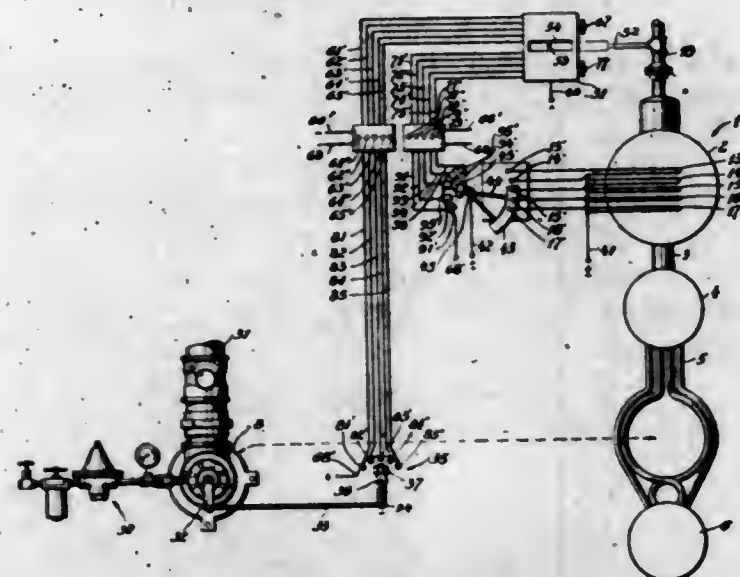
AIRCRAFT WITH HIGH-SPEED STABILITY
George S. Schairer, Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application March 15, 1943, Serial No. 479,162
10 Claims. (Cl. 244-13)



1. In an airplane having a fixed main supporting wing, and capable of attaining speeds greater than that corresponding to a critical Mach's Number above which the lift of the wing decreases at a given angle of attack with increasing speed, a horizontal airfoil spaced longitudinally from the wing and so formed as to produce a decreasing aerodynamic reaction, at a given angle of attack, proportionately at least as great as the decreasing lift of the wing upon increase in speed of the airplane in the range above the speed corresponding to such critical Mach's Number.

2,385,846

APPARATUS FOR HEATING FLUIDS
William C. Seifert, Narberth, Pa., assignor to Electric Heating Equipment Company, Philadelphia, Pa., a corporation of Delaware
Application April 15, 1941, Serial No. 388,642
10 Claims. (Cl. 122-333)



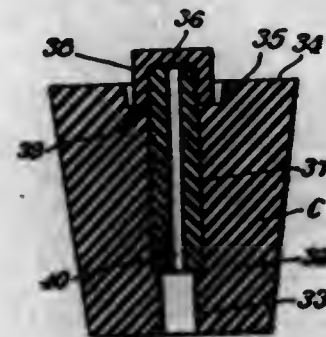
1. Apparatus for continuously heating fluid to a predetermined temperature comprising a receptacle subdivided into an upper and at least one lower drum connected thereto, means for indirectly heating by combustion fluid in said lower drum, means for varying the amount of heat supplied by said heater, an electric resistance heater in said upper drum, means for varying the amount of heat supplied by said resistance heater, means responsive to temperature of fluid in said receptacle controlling both said means for varying adapted to vary both said means simultaneously.

2,385,847

VACUUM RELEASE STOPPER
Adolph Skar, Minneapolis, Minn.
Application April 23, 1941, Serial No. 389,840
3 Claims. (Cl. 215-56)

2. A vacuum release stopper for vacuum bottles comprising a tapered resilient body, said body having a normally open small diameter passage extending therethrough, a tubular element in said passage, said tubular element being of larger diameter than said passage, the resilient body

being compressed about said tubular element, one end of said tubular element projecting above the large diameter end of said body, external threads on said one end of said tubular element, an internally threaded cap including a top and an internally threaded sleeve portion connected

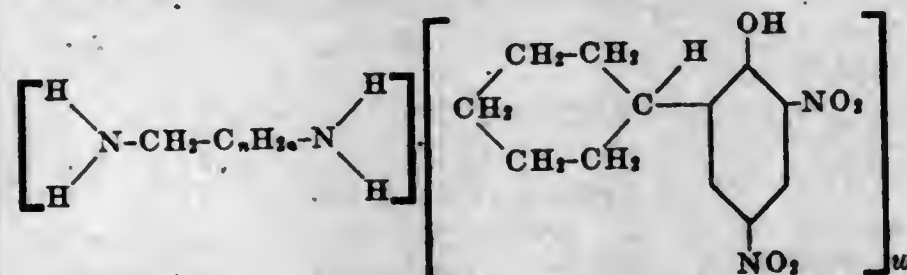


thereto, the lower end of said sleeve being substantially flat to provide a bearing surface, said cap being engageable with said resilient body to form a seal between the lower edge of said cap and said resilient body, said resilient body tightening said cap upon its threads.

2,385,848

AMINE SALTS OF DINITROPHENOLS
Frank B. Smith and John N. Hansen, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 30, 1941, Serial No. 391,093
2 Claims. (Cl. 260-583)

1. An alkylendiamine salt of 2,4-dinitro-6-cyclohexyl-phenol having the formula



wherein n is an integer, and w is an integer not greater than 2.

2,385,849

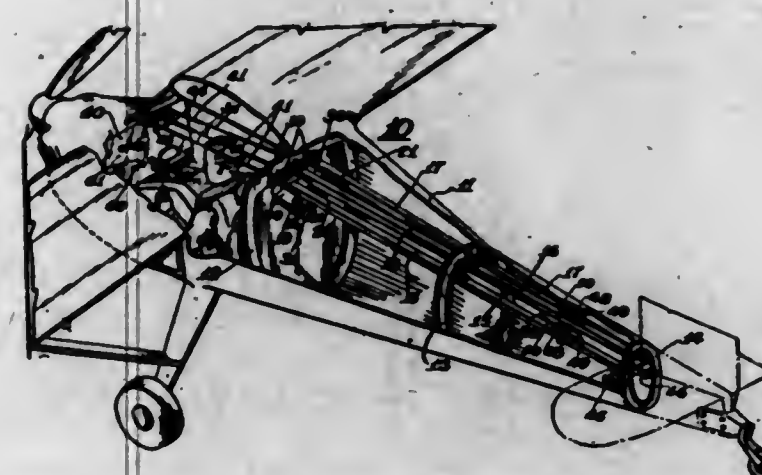
ESTERS
Foster Dee Snell and Albert F. Guiteras, New York, N. Y., assignors to Chemsearch Corporation, New York, N. Y., a corporation of New York
No Drawing. Application February 4, 1943, Serial No. 474,718
18 Claims. (Cl. 106-8)

1. A monohydroxy ester of a straight chain saturated monocarboxylic fatty acid and a straight chain saturated alkyl monohydroxy alcohol, each containing not less than 16 nor more than 24 carbon atoms to the molecule.

11. The method of producing monohydroxy esters in which the hydroxy group occurs in the acid portion of the ester which comprises reacting a straight chain saturated monohydroxy monocarboxylic acid containing not less than 16 nor more than 24 carbon atoms to the molecule with a straight chain saturated alkyl monohydroxy alcohol containing not less than 16 nor more than 24 carbon atoms, and maintaining the mixture at a temperature above the boiling point of water at the existing pressure during esterification, so that water formed as a by-product of the esterification is removed.

2,385,850

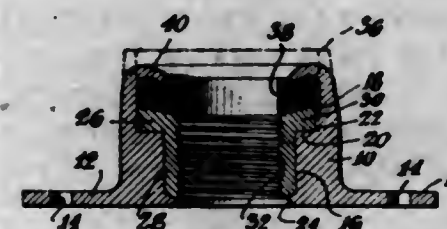
LANDING STABILIZER FOR AIRCRAFT
Jacob Spiegel, Philadelphia, Pa.
Application April 10, 1942, Serial No. 438,375
7 Claims. (Cl. 244-93)



1. In an aircraft having a fixed wing, a fuselage, a power-plant, a propeller and landing gear, a plurality of rearwardly-sloping tracks mounted longitudinally within said fuselage, a truck mounted upon each of said tracks and freely movable therealong, a counterweight carried by each of the trucks, independent releasable means for retaining each of the counterweights at the upper forward end of its track during normal flying in which position the counterweights are generally adjacent the center of gravity of said aircraft, independent pilot operated means for releasing each of said retaining means to permit each of said counterweights to move rapidly to the rear of the aircraft during a landing operation whereby said aircraft is made adjustably tail-heavy to prevent nosing-over, independent means for immovably engaging each of said counterweights at the lower rearward end of its track, and independent auxiliary locking means disposed adjacent the lower rearward end of each of said tracks for preventing forward movement of each of said counterweights.

2,385,851

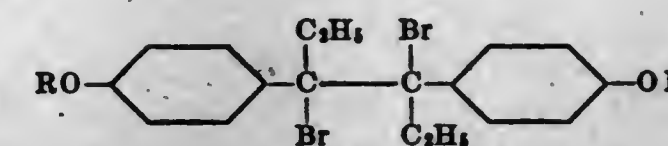
NUT
Carl A. Swanstrom, Maplewood, N. J., assignor to Elastic Stop Nut Corporation, Elizabeth, N. J., a corporation of New Jersey
Application May 24, 1938, Serial No. 209,661
3 Claims. (Cl. 85-32)



3. A nut comprising a body having an internally threaded insert of a hard metal, the body being originally of a width at its top to permit the insert to be inserted, and having inner faces shaped to tightly and non-rotatably engage the outer faces of said insert and to provide an abutment flange for the insert toward its bottom, the upper end portion of said body being turned inwardly to secure said insert against axial displacement against said abutment flange.

2,385,852

HORMONE DERIVATIVES
Stockton G. Turnbull, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 17, 1943, Serial No. 498,983
9 Claims. (Cl. 260-488)
4. Compounds having the following general formula:



wherein R represents a member selected from the class consisting of alkyl and acyl groups.

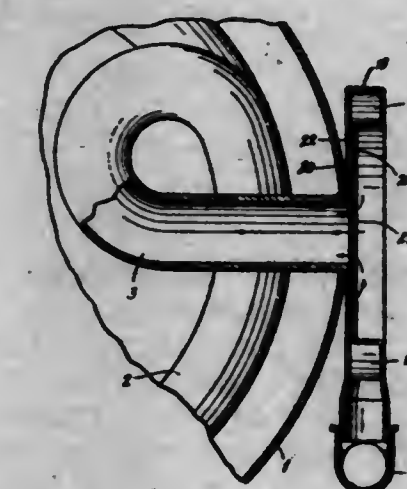
2,385,853

PROCESSES FOR PRODUCING HORMONES
Stockton G. Turnbull, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 17, 1943, Serial No. 498,984
2 Claims. (Cl. 260-619)

1. A process which comprises heating a diester of 3,4-di-(p-hydroxyphenyl)-3,4-dibromohexane with a solution of potassium iodide in alcohol, and then saponifying the resulting product.

2,385,854

GAS BURNER
John J. Wolfersperger, Webster Groves, Mo.
Application October 21, 1940, Serial No. 362,007
8 Claims. (Cl. 158-99)



1. A burner comprising walls forming an annular passage arranged to receive gas, wall portions extending inwardly from said walls toward the axis of said annular passage and providing a port of relatively small cross-sectional area for the discharge of gas from said passage, one of said wall portions having an opening therethrough for the admission of air and the other of said wall portions having a smaller opening therethrough for the passage of said air and gas from said burner, and a tube having hermetic connection with said last named wall portion around said opening therethrough for receiving said air and gas from said burner.

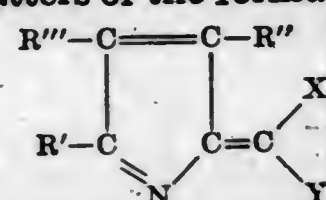
2,385,855

MANUFACTURE OF NEW COLORING MATTERS

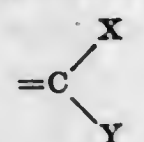
Eric Paul Goodings and Maurice Arthur Thorold Rogers, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application July 9, 1943, Serial No. 494,125. In Great Britain July 13, 1942 3 Claims. (Cl. 260-240)

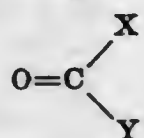
1. Coloring matters of the formula:



where R' and R'' stand for aryl radicals, R''' is a member of the group consisting of hydrogen, aryl-, alkyl-, alkylamino-, benzylideneamino-, and acylamino-radicals and



stands for the residue of a diarylketone containing a dialkylamino group in the 4-position to the CO group of the formula



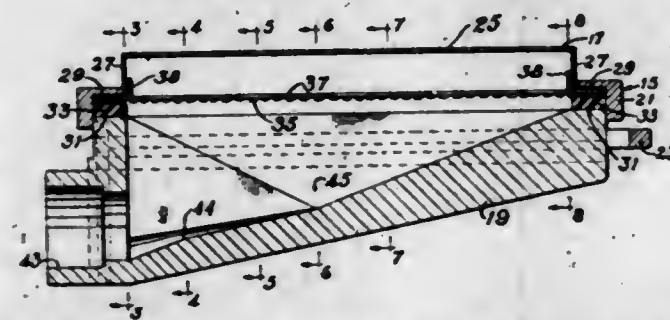
wherein X and Y are aryl radicals containing a dialkylamino radical.

2,385,856

LARGE RECTANGULAR SPINNERET

Paul J. Hayes, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application October 30, 1943, Serial No. 508,331 3 Claims. (Cl. 18-8)



1. A spinneret of substantially rectangular outline comprising a substantially rectangular spinneret face plate containing orifices therein, a spinneret adaptor containing an approach chamber having the shape of a pyramid the base of which is open and one side of which is connected to an inlet port, a hump being provided between said inlet port and said pyramid for deflecting the incoming filament-forming composition towards said spinneret orifices and means for connecting said spinneret face plate to said open base of said pyramidal chamber.

2,385,857

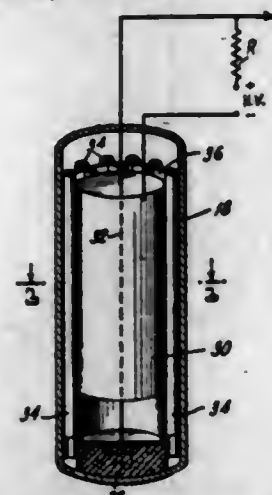
CUSHIONING DEVICE FOR RADIATION DETECTORS

Gerhard Herzog, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application January 29, 1944, Serial No. 520,238 6 Claims. (Cl. 250-83.6)

1. In a device for determining the nature and location of underground formations traversed by

a bore hole, a housing adapted to be passed through said hole on a suspending cable, a radiation detector within the housing of the type in which electrical discharges are produced when radiation from the formations is intercepted, means for preventing unwanted detector discharges caused by mechanical shocks occurring

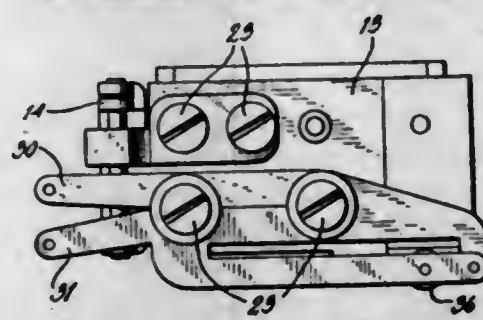


when the housing is jarred by striking other objects while passing through the hole, said means comprising a plurality of strips of resilient material, said strips disposed longitudinally between the housing and the detector, so as to support the detector resiliently from the housing, said resilient strips serving to absorb said shocks caused by jarring of the housing.

2,385,858
RELAY

John H. Horman, Tuckahoe, N. Y., assignor, by mesne assignments, to Smaller War Plants Corporation, New York, N. Y., a corporation of the United States

Application June 11, 1943, Serial No. 490,449 6 Claims. (Cl. 200-1)



1. In a relay, a plurality of parallel contact arms, a pair of supports extending through said arms in spaced relation and a pair of annular ceramic spacers between each pair of arms with one of said supports passing through each spacer, the adjacent arms being oppositely cut away between the spacers to reduce the capacity between said arms.

2,385,859

MAGNETIC ATTACHMENT FOR ARTICLES OF EVERYDAY USE

Ernest Jacobson, New York, N. Y.

Application February 9, 1942, Serial No. 430,082 1 Claim. (Cl. 175-367)



An attachment for oblong articles, such as pencils, razor handles and the like comprising a hollow member made of yieldable material and having one end adapted to be slid over a corresponding end of said articles, yieldable projections struck out of said member and positioned adjacent the other end thereof, and a magnet

body provided with a recess, said recess extending into said magnet body at its outer periphery, said magnet body being slidably engageable with and substantially at a right angle to the longitudinal axis of said member adjacent said other end, said projections being engageably received in said recess when said magnet body is slid into said hollow member and for release therefrom, said magnet body being provided with two spaced-apart poles projecting beyond the outer periphery of said member in said engagement position to thereby expose said poles at the periphery of said member.

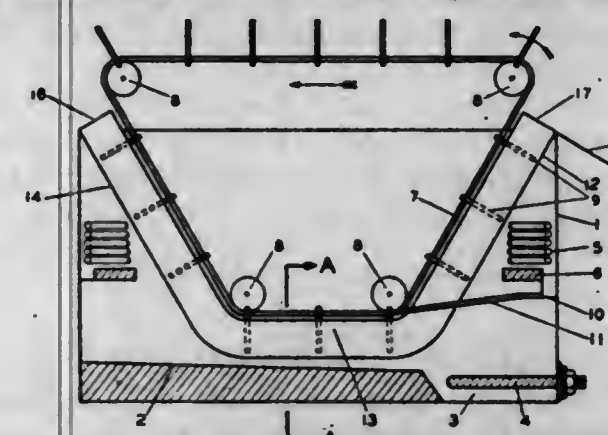
2,385,860

APPARATUS FOR THE TREATMENT OF METAL AND LIKE ARTICLES WITH LIQUIDS OR VAPORS FOR DEGREASING

Walter Frederick Jesson, Walsall, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

Application April 29, 1942, Serial No. 441,026 In Great Britain May 30, 1941 7 Claims. (Cl. 202-170)

1. Apparatus for treating metal and like non-absorbent articles with a volatile grease solvent, comprising, in combination, a vessel, a solvent degreasing zone in said vessel in which is retained, in both liquid and vaporous state, a volatile grease solvent, and through which articles pass during their treatment in said vessel and degreasing zone, means for vaporizing said solvent, additional means for condensing the vaporized solvent when the vaporized material reaches a predetermined level in the degreasing zone of said vessel, means for returning condensate from said condensing means to the portion of the vo-



latile solvent in said degreasing zone which is in liquid state, a trough disposed in said vessel, the extremities of said trough extending above said solvent degreasing zone, while the intermediate portion thereof lies within said degreasing zone, a conveyor arranged to pass along a path adjacent to the top of said trough, said conveyor being provided throughout its length with a plurality of spacedly-disposed, rigidly-mounted members shaped to occupy substantially the major portion of the cross section of said trough, said members during movement of said conveyor being adapted to forcibly charge articles through said trough and said degreasing and condensing zones.

2,385,861

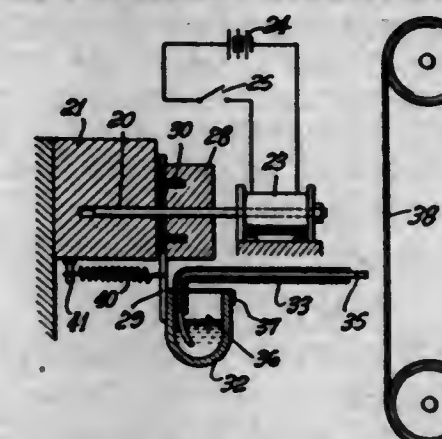
FILM MARKING SYSTEM

John Watson Jones, Jr., Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware

Application October 12, 1943, Serial No. 505,919 9 Claims. (Cl. 179-100.3)

1. A film marking system for a sound rerecording system having a plurality of sound reproducers, a loud speaker for reproducing the sound

from said reproducers and a potentiometer for each of said reproducers adapted to vary the volume of the sound therefrom, comprising a film marking unit associated with at least one of said



reproducers, and switch means for said marking unit for actuating said marking unit to mark said film, said switch means being located adjacent the potentiometer for said respective reproducer.

2,385,862

STILBENE DYESTUFFS AND PROCESS FOR THEIR MANUFACTURE

Ernst Keller, Basel, Switzerland, assignor to J. R. Geigy A. G., Basel, Switzerland, a firm

No Drawing. Application January 16, 1942, Serial No. 427,062. In Switzerland November 28, 1940

15 Claims. (Cl. 260-143)

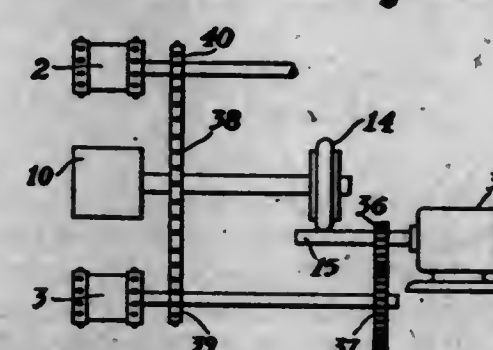
1. In the manufacture of stilbene dyestuffs by condensation of dinitrostilbene disulfonic acid, dinitrodibenzyl disulfonic acid or p-nitrotoluene sulfonic acid with aromatic compounds, which contain free amino groups, in any desired proportion, in presence of caustic alkalis, with or without the application of pressure, and if desired subsequent treatment of the products with metal yielding and/or oxidizing agents, the improvement wherein instead of up to two molecules of the known aromatic amino compounds there are used on one molecule of a compound selected from the group consisting of dinitrostilbene disulfonic acid, dinitrodibenzyl disulfonic acid and p-nitrotoluene sulfonic acid at least one molecule of an aminoaryltriazol of the benzene and naphthalene series containing in one of the positions 1 and 2 of the triazol ring an aryl radical selected from the group consisting of aryl radicals of the benzene and naphthalene series, said aminoaryltriazol containing at least one member of the group consisting of the sulfo and carboxy radicals and being free from -N=N- groups.

2,385,863

FILM DRUM DRIVE FOR PHOTOPHONOGRAPHIC APPARATUS

Edward W. Kellogg, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware

Application December 17, 1943, Serial No. 514,624 12 Claims. (Cl. 271-2.3)



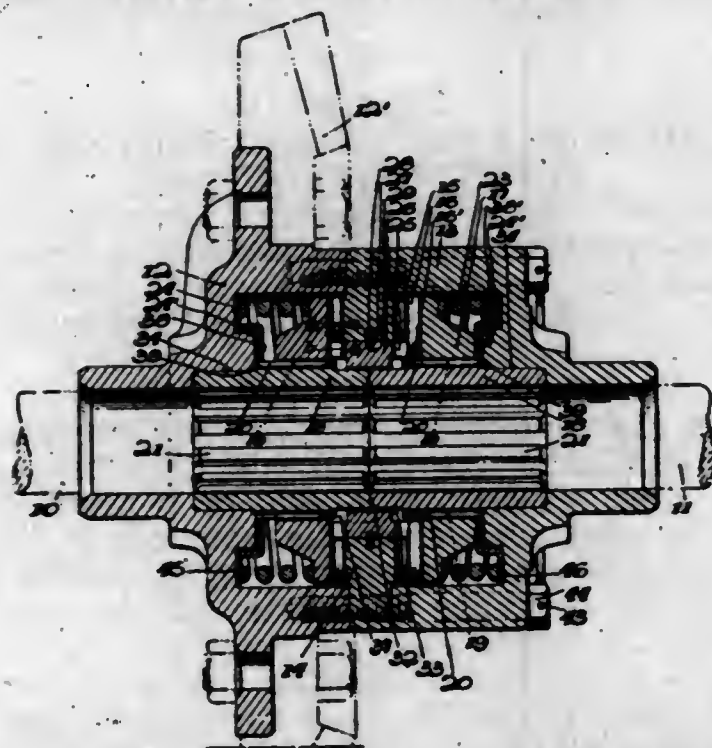
1. Photophonographic apparatus comprising a drive means, a record film carrier and an aper-

odically yieldable friction drive coupling the drive means and the record carrier, said drive including a member having a resilient tire of sufficient thickness in relation to its softness, width, and area of contact and the diameter of said carrier to obtain a speed differential of substantially three percent of normal operating speed when the torque being transmitted is of a magnitude less than that required to pull the film to a substantially straight line.

2,385,864

DIFFERENTIAL MECHANISM

Frederick D. Knoblock, Birmingham, Mich., assignor, by mesne assignments, to Patent Developers, Inc., Detroit, Mich., a corporation of Michigan
Application June 17, 1943, Serial No. 491,189
2 Claims. (Cl. 74-389.5)

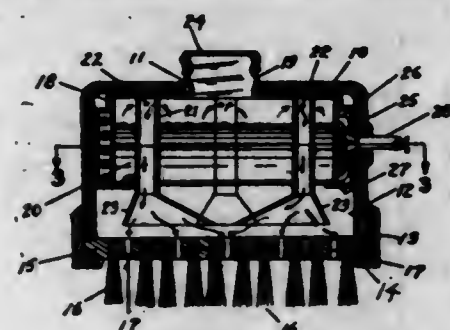


1. In a differential adapted to be mounted in a casing and of the type comprising a driving clutch member, a clutch disengaging member, driven clutch members, a spring and a spring retainer associated with each driven clutch member and a sleeve on which each driven clutch member is mounted, the provision of splines on each driven clutch member engaging splines on its associated sleeve the outer ends of said splines being upset to hold said parts together as a sub-assembly when removed from the casing.

2,385,865

FOUNTAIN BRUSH

Margaret Agnes Kollmeyer, Milwaukee, Wis.
Application February 4, 1943, Serial No. 474,738
3 Claims. (Cl. 68-222)



1. A device of the character described comprising in combination a body open at its lower side, said body provided with a port through its upper wall, a threaded portion forming a part of the periphery of said body, a removable brush unit, a retainer ring threadedly engaging the periphery of said body, said retainer ring disposed for retaining said brush unit within said body, said

brush unit provided with discharge apertures through its frame between the bristles of said brush, a separate receptacle for liquid mounted within said body, said receptacle provided with a filler spout extending through the port on the upper wall of said body, a cap for sealing said filler spout, communicating means from the upper extremities inside of said receptacle above said liquid, said means leading to a discharge above the apertures in said brush unit, electrically energized heating means surrounding said receptacle for raising the temperature of the liquid in said receptacle and means for connecting said heating means to electric energy.

2,385,866

CONTAINER FOR PERISHABLE PRODUCTS

George P. Kuchner, St. Louis, Mo.
Application July 19, 1944, Serial No. 545,675
12 Claims. (Cl. 62-83)

1. A florist's shipping container consisting of a rectangular, open-top metallic box, provided with a removable cover, and adapted for repeat usage in transit, the bottom and sides of the box being of substantially watertight construction, an outer insulating box of expendable nature, adapted snugly to receive the metallic box, a cover for the



insulating box, a hold-down structure including incomplete vertical box partitions in an intermediate zone of the metallic box, and spaced above the bottom of the metallic box to provide an ice container therein, and means within the metallic box for detachably fastening the hold-down structure at different adjusted vertical distances from the bottom of the box.

2,385,867

THROAT MICROPHONE

Jacob M. Kuhlík, Brooklyn, N. Y., assignor to Hattie B. Kuhlík, Brooklyn, N. Y.
Application October 15, 1943, Serial No. 506,310
1 Claim. (Cl. 179-157)

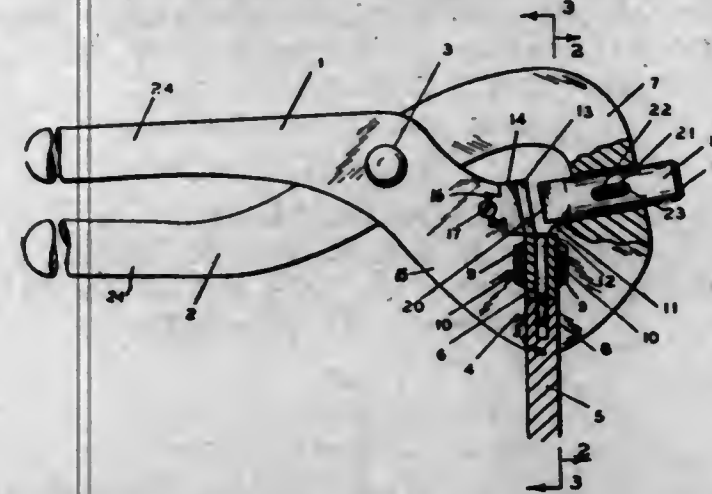


A throat microphone comprising a rectangular sound box having an open side and having rounded outer corner portions, a U-shaped piece of metal mounted within said sound box in such a manner that its web rests against pieces of resilient material at the bottom of said sound box, an electromagnet arranged within said U-shaped piece and provided with a pole piece directed toward the open side of said casing, a slightly curved diaphragm adjacent said pole piece and supported across said U-shaped piece by resilient material which is carried by the flanges of said U-shaped piece, and means for attaching said sound box to the throat of a person in such a manner that his larynx is adjacent to the bottom of said sound box, all substantially as set forth.

2,385,868

CHAIN SAW TOOTH SETTING DEVICE

Enoch E. Lambert, Otis, Oreg., assignor of one-half to Charles A. Ritz, Otis, Oreg.
Application June 13, 1944, Serial No. 540,052
1 Claim. (Cl. 76-70)

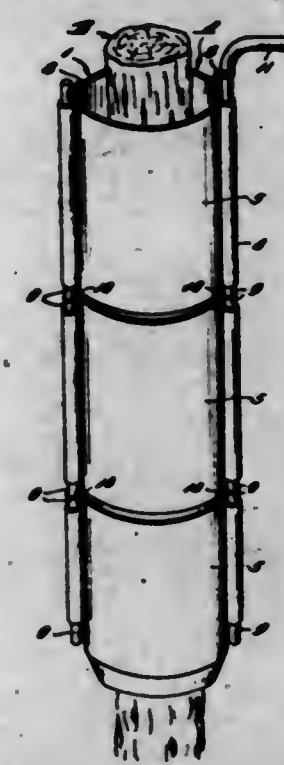


A saw tooth setting assembly for chain saws, including a bar formed at one end with a slot for movably guiding the saw in combination with a tooth-setting tool comprising pivotally connected members formed at one end to provide jaws having relatively flat faces to engage the outer surfaces of the walls of the slot in the bar to bind the saw in fixed relation to the bar, means on one jaw to engage a saw in the bar slot to determine the vertical position of the jaws relative to the bar and included saw, an anvil carried by one jaw immediately above but wholly free of the flat face, and a spring-pressed plunger mounted in the other jaw for manual operation toward and for relative cooperation with the anvil for setting the saw tooth, the length of the slot in the bar providing upper end surfaces on which the saw is guided for successive tooth setting operations of the tool.

2,385,869

PILE PROTECTOR

Thomas P. Lane, Providence, R. I.
Application July 21, 1944, Serial No. 546,009
1 Claim. (Cl. 61-54)



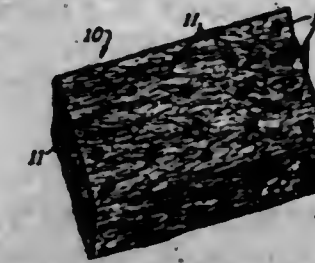
A pile protector of the character described comprising a vertical tube encircling the pile in spaced relation thereto, said tube including a plurality of stacked, telescopically connected, sections, each section comprising a pair of complementary half-sections, longitudinally split sleeves fixed vertically on certain of the half-sections adjacent the vertical edges thereof, substantially tangential flanges on the other half-sections ad-

jacent the vertical edges thereof, and tubes fixed on the flanges and engageable slidably in the sleeves for connecting the complementary half-sections together, the splits in said sleeves accommodating the flanges, said tubes projecting beyond the ends of the sleeves and having their ends joined together for providing continuous pipes.

2,385,870
CUSHION

Walter B. Lashar, Fairfield, and Richard F. Warren, Jr., Stratford, Conn.
Application February 18, 1941, Serial No. 379,410
4 Claims. (Cl. 5-356)

1. In a cushion, a compressible and expansible cushioning body, said body comprising a shaped pad of resilient fibres of a synthetic thermoplastic material, said pad of substantial thickness and said fibres in substantially uniform proximity throughout said pad whereby the lat-



ter is of substantially uniform density, said fibres being fused to one another in restricted zones extending through spaced portions of said pad whereby the latter is tufted, and said fibres between said zones being loosely related for relative movements as the pad is compressed and expanded under weight and when the weight is released.

2,385,871

COMBINATION GARMENT

Dora Liebert, New York, N. Y.
Application February 17, 1942, Serial No. 431,295
1 Claim. (Cl. 2-71)



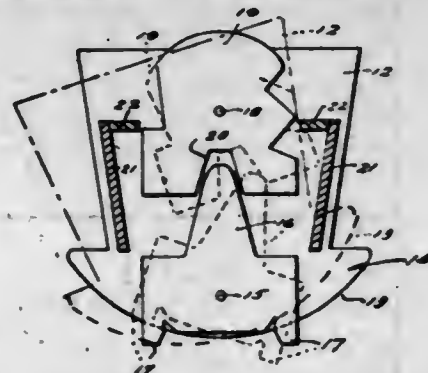
A combination garment comprising an outwardly flaring coat consisting of two front panels having each a longitudinal side edge, a rear panel having longitudinal side edges, and intermediate lateral panels connected by seams, respectively, to the longitudinal side edges of said rear panel and of said front panels; an inner garment member having a crotch, said inner garment member comprising a blouse panel having side edges connected to said longitudinal side edges of said front panels, respectively, of said coat and having a lower edge, two front trouser leg panels, two rear trouser leg panels, said front trouser leg panels

and said rear trouser leg panels being each provided with respective contiguous edges, a first connecting seam joining together said contiguous edges of said front trouser leg panels, a second connecting seam joining together said contiguous edges of said rear trouser leg panels, and an intermediate seam connecting together, respectively, each front trouser leg panel with a respective rear trouser leg panel, said first and second connecting seams and both said intermediate seams intersecting each other in said crotch of said inner garment member, said rear trouser leg panels being each provided with an outer side edge and extending upwardly and in superposed position to said rear panel, said front trouser leg panels being connected to said lower edge of said blouse panel and being each provided with an outer side edge, said outer side edges of said front trouser leg panels being fixed, respectively, to the longitudinal side edges of said front panels of said coat at the inner face thereof, the outer side edges of said rear trouser leg panels being fixed, respectively, to the longitudinal side edges of said rear panel of said coat at the inner face thereof.

2,385,872

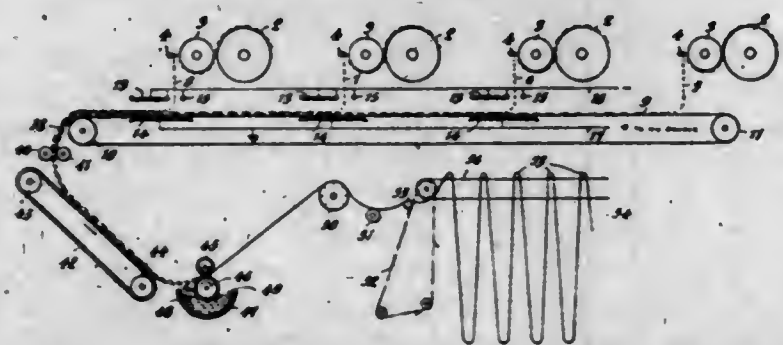
CRADLE ROCKING TOY

John J. Marshall, Ashland, Wis.

Application December 1, 1944, Serial No. 566,197
4 Claims. (Cl. 46—147)

1. A rocking toy comprising a body part, panels at opposite ends of the body part, the lower ends of the panels being curved to form rockers, a movable part pivoted near the upper end of at least one panel, a lever pivoted near the lower end of the panel to which the movable part is pivoted, feet on the lower end of the lever for contacting a surface upon which the toy rests and a driving connection between the upper end of the lever and the lower end of the movable part, whereby when the toy is rocked contrasting movement will be imparted to said movable part.

2,385,873

METHOD OF FORMING WEB MATERIALRomie L. Melton, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application April 18, 1942, Serial No. 439,585
6 Claims. (Cl. 117—17)

5. The method of manufacturing flexible fibrous webs of non-lamellar structure which comprises feeding a plurality of carded fibrous membranes from carding cylinders onto a moving endless sup-

port, passing said carded fibrous membranes through an electrostatic field after removal from the carding cylinders whereby the individual fibres of each fibrous membrane are electrically charged and brought into position for interlocking with the fibres of adjoining membranes without disruption of the membranous structure, applying an adhesive binder to the web, compacting the web and removing it from said support.

2,385,874

HEIGHT GAUGE

Anthony J. Metro, Detroit, Mich.

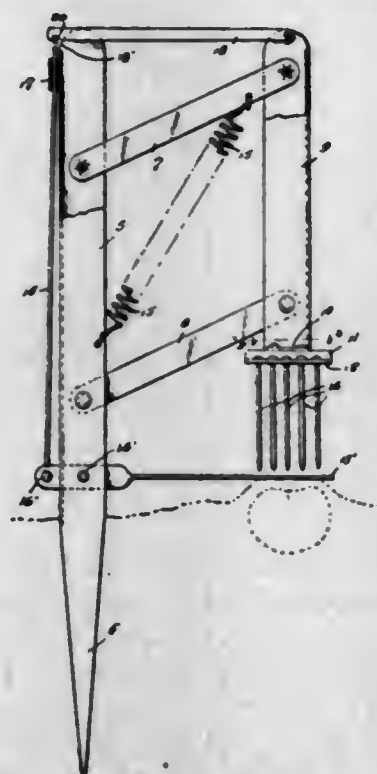
Application January 17, 1944, Serial No. 518,545
5 Claims. (Cl. 33—170)

1. A height gauge comprising a cylindrical standard, a base therefor having its under surface normal to the axis of said standard, and a slider movable on said standard, said slider consisting of an externally threaded sleeve having a sliding fit on said standard, means for fixing said slider to said standard and against rotation thereon and a plate provided with an opening for the passage of said standard and with an internally threaded sleeve portion adapted to coact with the first mentioned sleeve whereby to elevate or lower said plate.

2,385,875

TRAP

Ward H. Moore, Ames, Iowa

Application February 11, 1944, Serial No. 522,002
2 Claims. (Cl. 43—80)

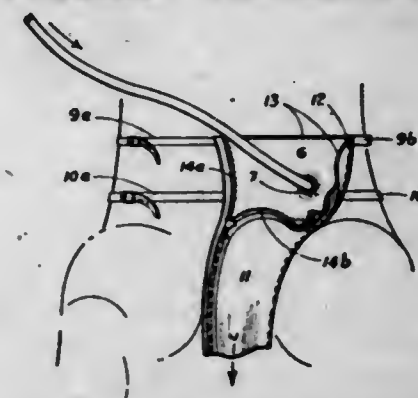
1. In a trap, a post to be inserted in the ground and having a bifurcated upper end, links pivoted

to said post, a member pivoted to said links, a spring connected to one of the links and to the post to drive said member in a downward direction toward the ground, a head secured to the lower end of the member and having a recess, a plurality of tines carried by the head and grouped at opposite sides of the recess, an elongated treadle pivoted on the post and adapted to engage the ground and to be actuated by an animal moving under the surface of the ground, said recess receiving the treadle when the head contacts the ground, and a latch mechanism between the member and the treadle with a portion thereof arranged in the bifurcation of the post.

2,385,876

COLOSTOMY APPARATUS

Gladys Moorhead, Ottawa, Ontario, Canada

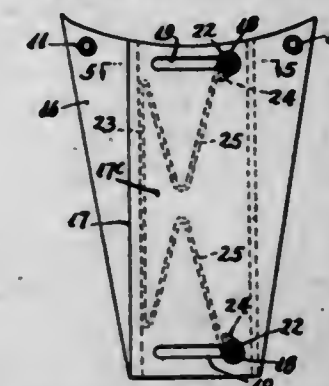
Application January 13, 1944, Serial No. 518,183
In Canada November 6, 1943
6 Claims. (Cl. 128—283)

4. A colostomy irrigation shield comprising an inner panel and an outer panel, said outer panel being imperforate and fixedly attached to the inner panel along one side edge, the other side edge being connected to the corresponding opposite side edge of the inner panel by means of a readily detachable substantially leak-proof connection in its closed condition with both ends of the shield open, and the inner panel having an opening designed to register with and receive the cicatrix of the patient so that when the detachable connection is at least partially released to expose the opening a catheter may be readily inserted directly into the cicatrix.

2,385,877

CHEST PROTECTOR

Murray Morgan, Hoboken, N. J.

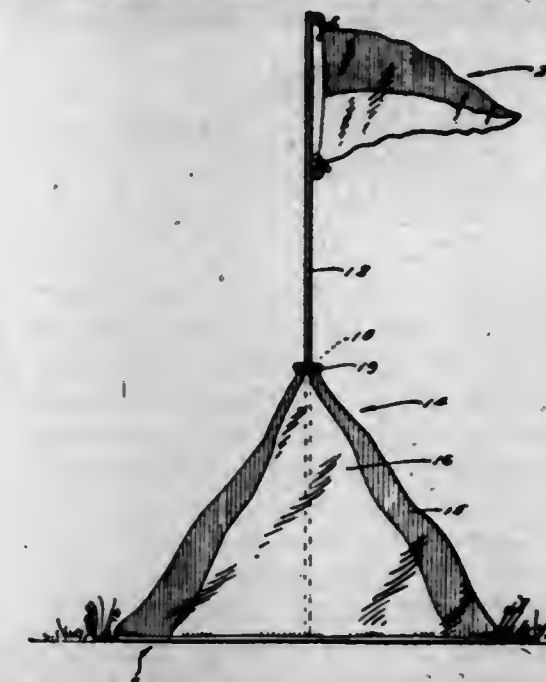
Application March 17, 1944, Serial No. 526,909
3 Claims. (Cl. 2—92)

1. A chest protector for men's and women's coats comprising a triangularly shaped sheet-like member for extending across one's chest beneath one's coat and fasteners for releasably supporting said member to said coat, said sheet-like member having a vertical pleat consisting of a back layer continuing into a central layer, continuing into an outer layer, and studs passing through aligned openings in two of the layers and an elongated slot in the other of said layers for holding these layers in relative positions to control the width of said protector.

2,385,878

FOUL MARKER FOR USE BY FOOTBALL OFFICIALS

Louis L. D. Nicoletto, Garwood, N. J.

Application November 15, 1944, Serial No. 563,585
5 Claims. (Cl. 116—173)

5. A foul marker for use by officials on football fields comprising a flexible circular base, a central main weight of disc-like form embodied in said base, a staff attached to and rising from said weight, said staff being adapted to accommodate a flag, and a plurality of auxiliary and complementary weights embodied in said base, together with a canopy-like jacket attached at its bottom to the base and having its upper end provided with an eye slidably embracing the upright, the jacket being made up of alternate red and white complementary sections.

2,385,879

COMPOSITION FOR SURGICAL AND MEDICAL PREPARATIONS

Carl W. Patton, Palisades Park, N. J., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application July 12, 1941,
Serial No. 402,236

1 Claim. (Cl. 260—36)

Supporting cast material characterized by hardness, strength, rigidity and toughness at room temperatures and at body temperatures and by ready moldability at higher temperatures endurable by the human body comprising a mixture containing a resinous base material which is a conjoint polymer of vinyl chloride and vinyl acetate, said resin having a macromolecular weight of approximately 5,000 to 20,000 and a combined vinyl chloride content of approximately 70% to 95% by weight and a plasticizing material which is a mixture of triphenyl phosphate and tri(parateriarybutylphenyl) phosphate, said composition being substantially free from volatile solvent and containing sufficient plasticizer within the range of about 10% to 25% by weight of plasticizer based on the weight of the composition to give the material the afore-said characteristics.

2,385,880

SNAP FASTENER

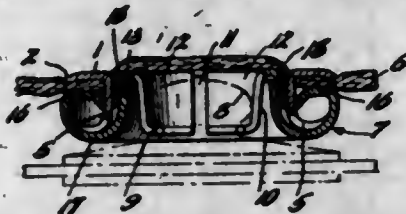
Frederick H. Peterson, Watertown, and Rollin R. Clarke, Waterbury, Conn., assignors to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut

Application May 8, 1944, Serial No. 534,604

4 Claims. (Cl. 24—216)

1. In a socket member a one piece body member having slotted walls forming spring fingers and

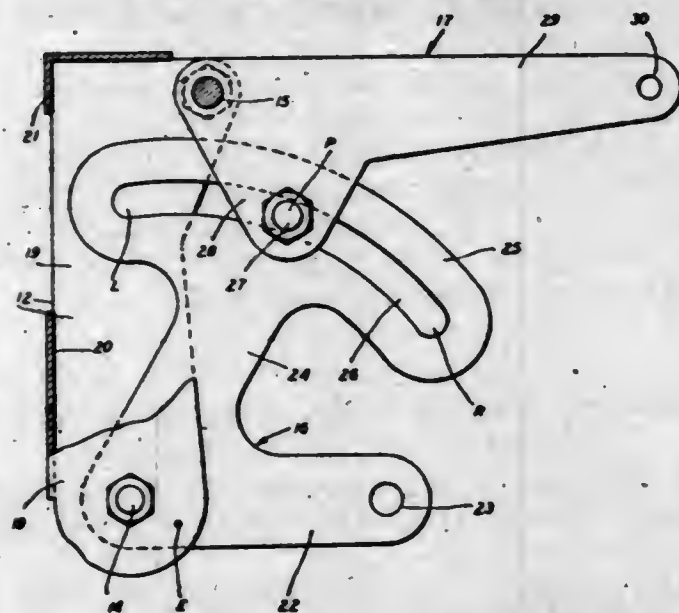
defining the socket chamber, an outwardly spaced channel formed in the body member and extending in a plane slightly below the top walls of the said socket chamber, a peripheral rim and a second deeper channel formed in the body member and extending under the first mentioned channel; together with a clamping plate pro-



vided with prongs, the first mentioned channel having a plurality of indentations in its bottom wall, the prongs of the clamping plate adapted to register with said indentations and be deformed in the second mentioned channel during attaching operation to thus secure the socket to its carrying medium.

2,385,881

VIBRATION-REDUCING CONTROL UNIT
Hillis S. Peterson, New Orleans, La., assignor to Higgins Industries, Incorporated, New Orleans, La., a corporation of Louisiana
Application July 4, 1944, Serial No. 543,449
8 Claims. (Cl. 74-497)



1. A cam mechanism for a vibration-reducing control unit comprising a first part adapted to be operated by an actuating member and including a cam surface, a second part adapted to be connected to a driven member and constituting a follower normally in engagement with said cam surface, said cam surface being so curved as to be equivalent in effect to a plane inclined in relation to a base normal with respect to a force acting on said plane, the slope of said plane being selected from between an upper and a lower limit, the upper limit being the steepest slope at which self-locking owing to friction can occur with respect to steady forces acting from the side of the driven member to the actuating member, and said lower limit being the smallest slope at which the self-locking quality can be overcome by vibrations of the said follower, and an abutment for engagement by said follower when the latter tends to separate from said cam surface more than a very small distance.

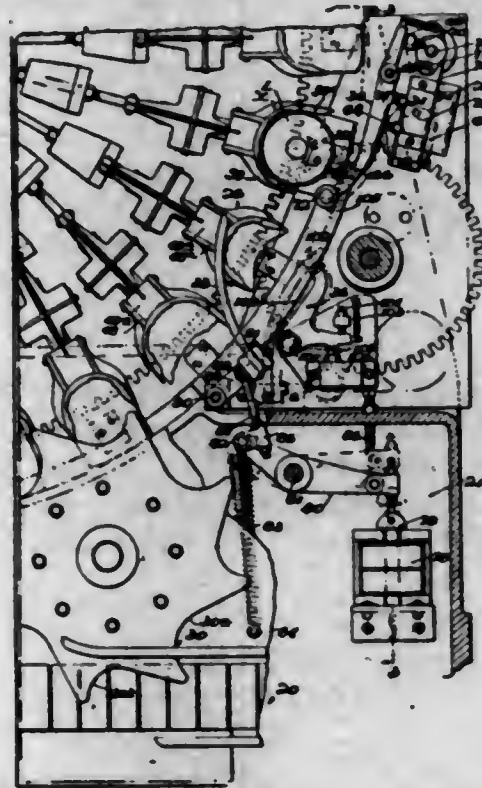
2,385,882

ARTICLE WEIGHING AND HANDLING APPARATUS

Edwin Rolker, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application April 8, 1942, Serial No. 438,163
18 Claims. (Cl. 209-121)

1. In a machine for weighing articles, a moving carrier, a plurality of article weighing elements

mounted on and vertically movable with respect to the carrier according to the weight of the articles, detector means in the path of movement of said elements adapted to be actuated if an article carried by an element is not of a predetermined weight, a reject member controlled by said

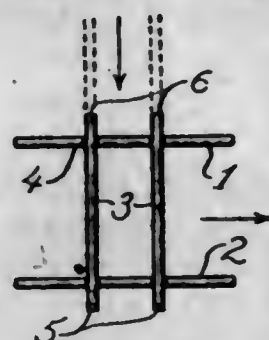


detector means and adapted to move into the path of an article to remove the same from a weighing element, and re-set means beyond said detector means and in the path of movement of said weighing elements to be operated by the latter to return said reject member to normal position.

2,385,883

METHOD OF MAKING METAL PARTS FOR RING BINDERS

John Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application August 19, 1944, Serial No. 550,181
2 Claims. (Cl. 140-88)

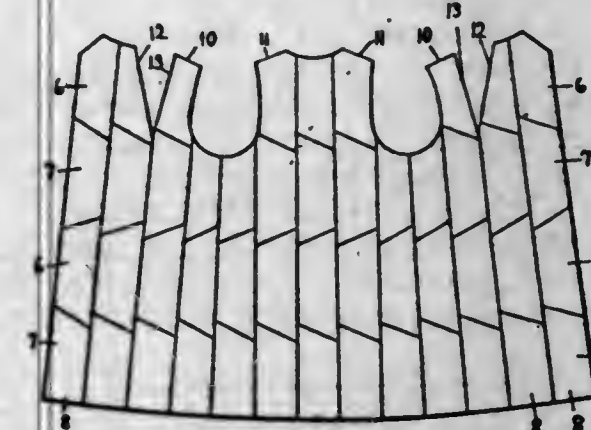


1. The method of making multi-prong and toggle frame members for a loose leaf binder which consists in arranging a pair of long supporting wires in parallel spaced position, such spacing being at least equal to the length of two prong elements, moving said wires lengthwise in steps, positioning one or more short spaced cross wires on the long wires between said steps, such short wires being long enough for their end portions to extend at each side beyond said spaced long wires, far enough to provide toggle levers as extensions of the prong wires, fastening the wires as by welding at their intersections, thereby forming a ladderlike formation of wire, and between said steps forming the terminals of the extended ends of the cross wires into cooperating pairs of pivot joints, separating the portions between the side wires and forming them into complementary prong elements and cutting the two long wires into lengths such that the two with the prong elements thereon will serve for the multi-prong members of a loose leaf binder.

2,385,884

SKIN ASSEMBLING METHOD AND PRODUCT

Max Schneider, Brooklyn, N. Y.
Application July 27, 1944, Serial No. 546,853
8 Claims. (Cl. 69-22)



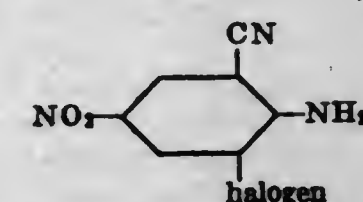
1. A fur skin assembling method comprising the steps of dividing the skins along the central back lines into symmetrical half skins, each extending substantially throughout the length of the original skin and having a back edge, a belly edge, a half head edge and a half rump edge, the rump edge of one half skin being connected to the head edge of another half skin of another kind, so that alternating light and dark areas are produced.

2,385,885

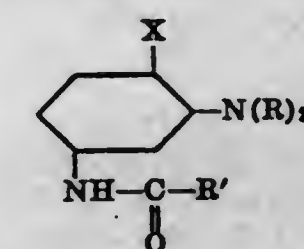
DISCHARGE PRINTING OF CELLULOSE ACETATE

George W. Seymour and Victor S. Salvin, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application February 28, 1942, Serial No. 432,750
14 Claims. (Cl. 8-64)

6. Process for the production of discharge printing effects upon a textile material comprising cellulose acetate dyed with an azo dyestuff formed by diazotizing an amino compound of the following general formula:



and coupling said diazotized amino compound with a di-hydroxyalkylamino compound having the following formula:

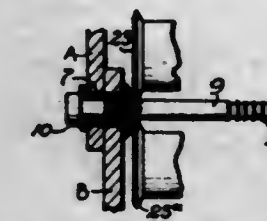


wherein R is a hydroxyalkyl group containing at least 2 carbon atoms, R' is an alkyl group and X is a member of the group consisting of hydrogen, alkyl, O-alkyl and O-alkylene-OH, to obtain a multicolored pattern having both white and illuminated areas, which comprises applying to said dyed material in a predetermined pattern a plurality of discharge paste compositions, each comprising a sulfoxylate formaldehyde discharge agent having an alkaline reaction and all but one of said compositions having a vat dye in the leuco form incorporated therein.

2,385,886

RIVET

Ernest H. Shaff, Spring Lake, Mich., assignor to Cherry Rivet Company, Los Angeles, Calif., a corporation of California
Application November 5, 1942, Serial No. 464,677
2 Claims. (Cl. 85-40)

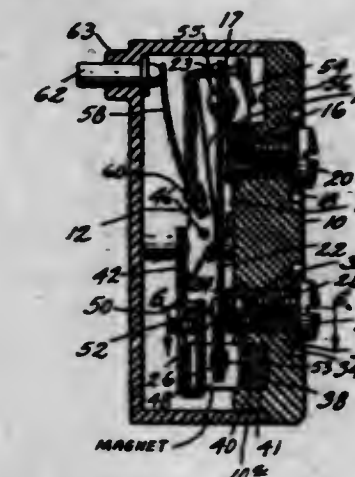


2. A blind rivet comprising a tubular rivet having a shank with a smooth bore extending longitudinally therethrough of substantially uniform diameter, a forming stem extending through said bore to protrude beyond both ends of said rivet member, said stem having a forming head at its inner end to engage and deform the inner end of the shank to secure the rivet in place, a portion of said stem adjacent said head having a helical rib extending laterally therefrom to a diameter greater than the diameter of said bore, whereby drawing upon the end of said stem which protrudes through the outer end of said rivet to pull said stem through said bore will perform the operations of deforming said inner end of said shank, laterally expanding said shank, and threading said rib into the material of said rivet.

2,385,887

SWITCH UNIT

Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application June 9, 1942, Serial No. 446,348
8 Claims. (Cl. 200-67)

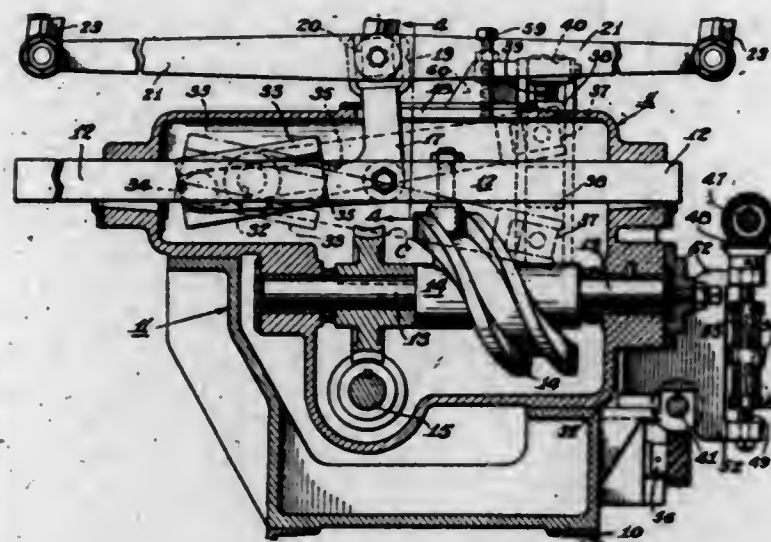


1. In a control switch unit, a switch arm having an armature, a magnet cooperating with said armature to constrain said switch arm toward movement in one direction, a pair of contacts, one of which is stationary, a leaf spring having the other contact mounted thereon, said contacts, when said leaf spring is in one position, being engaged and when said leaf spring is in another position being disengaged, said switch arm having means operably engaging said leaf spring to move it from one of its positions to the other one when said switch arm is moved to one of its positions, said means of engagement being arranged to stop the switch arm in a predetermined position when said contacts are engaged, whereupon said armature is thereby spaced a predetermined distance from said magnet, and the pull of the magnet on the armature assists the leaf spring in retaining the contacts engaged and means for adjusting the point of engagement of said switch arm with respect to said leaf spring whereby to vary the distance of the armature from the magnet.

2,385,888

BUILDER MOTION

John J. Sippel, Upper Darby, Pa., assignor to H. W. Butterworth & Sons Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 24, 1943, Serial No. 492,141
4 Claims. (Cl. 242-43)

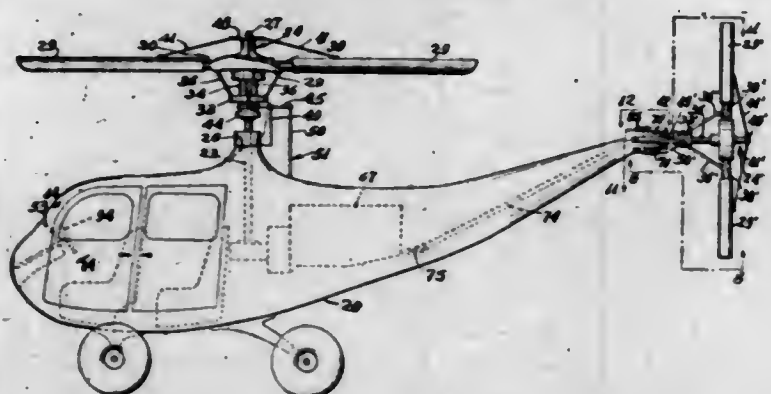


1. In a builder motion, a reciprocable member, means to impart a substantially uniform reciprocation to said member, a bell crank lever mounted on the member and having one arm thereof extending in the general direction of reciprocation of the member and the other arm projecting outwardly therefrom, a thread guide driven by the last-named arm, an inclined guide with which the first-named arm is operatively engaged whereby the lever is oscillated in timed relation to the reciprocation of the member, means to vary the inclination of the guide, comprising a crank connected to said inclined guide, a rotatable worm operatively engaged with the crank, and means to rotate said worm in opposite directions, the means to rotate the worm in one direction including a friction clutch.

2,385,889

HELICOPTER

Anthony Skavinsky, Bronx, N. Y.
Application September 18, 1943, Serial No. 502,889
4 Claims. (Cl. 244-51)



2. In a helicopter a body having a flat horizontal tail portion including a pair of spaced top and bottom walls having superimposed arcuate slots having concentric center points forward of said slots, a bearing located between said walls and slidably mounted in said slots, a second bearing located between said walls and turnably supported at said concentric center points, a stud shaft rotatively supported by said bearings, a propeller mounted on the outer end of said stud shaft, a driven shaft flexibly connected with the inner end of said stud shaft, and means for holding said first bearing in various adjusted positions along the length of said slots for adjusting the angular positioning of said propeller on said tail.

2,385,890

SPINNING PROCESS

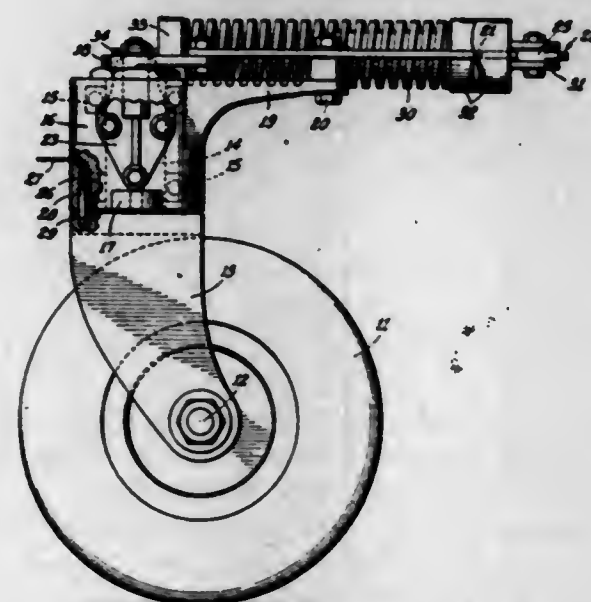
Edgar W. Spanagel, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 31, 1943, Serial No. 481,287
7 Claims. (Cl. 18-54)

1. The process of reducing the breakage of cold-drawable filamentous structures composed of a synthetic linear polyamide which comprises preparing a composition containing said polyamide and a finely divided, inert material homogeneously dispersed therein in an amount from 0.005 to 0.05%, spinning a filamentous structure from said composition and cold-drawing said structure.

2,385,891

HYDRAULIC CONTROL

Alfred J. Swanson, Los Angeles, Calif.
Application October 4, 1940, Serial No. 359,665
1 Claim. (Cl. 267-1)

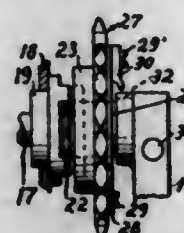


A spring unit comprising: a coil spring; a piston rod, piston and liquid containing cylinder assembly; and means for holding said coil spring in compression between the outer end of said piston rod and the cylinder; the piston of said assembly having two fixed apertured members and one movable apertured member disposed therebetween, said movable member being adapted upon sudden movement to make contact with the juxtaposed face of one of said fixed members to cut off flow of liquid therethrough the apertures in the sliding piston member being in staggered relation to the apertures in both fixed members, and spring members adapted to normally maintain said movable member out of contact with said fixed members.

2,385,892

FRONT HANGER FOR CONVERTIBLE TANDEM BICYCLES

David A. Swanson, Chicago, Ill.
Application May 5, 1943, Serial No. 485,767
2 Claims. (Cl. 74-594.2)



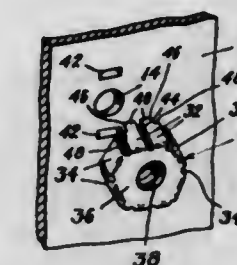
1. In a tandem drive for bicycles or the like including a front pedal drive shaft, a sprocket

fixed to the shaft and including a hub portion having flats on its periphery, a normally free idling sprocket on the shaft having a hub provided with flats complementary to the flats of the first hub, when the idling sprocket is shifted laterally, detent means for maintaining the idling sprocket fixed in either of its shiftable positions, a crank pedal fixed to the shaft outwardly of the idling sprocket, and an adjustable catch carried by said idling sprocket movable to a position between the crank pedal and the idling sprocket for maintaining the latter in coupled engagement with the first named sprocket.

2,385,893

STRUCTURAL CONNECTOR

Henry A. Taylor, Dorchester, Mass.
Application November 13, 1943, Serial No. 510,085
12 Claims. (Cl. 151-33)

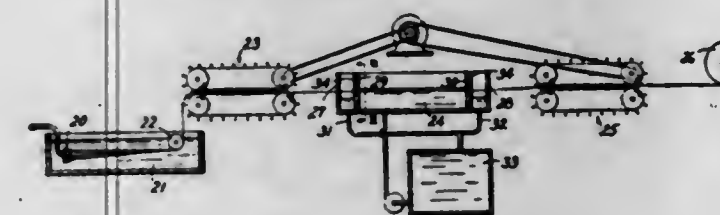


7. A nut retainer for mounting a nut on a support with its axis aligned with a bolt hole in the support, said retainer having a part overlying an end of the nut, and nut-embracing arms extending from said overlying part in general parallelism to the nut axis and at each side of the nut, said arms having projections extending beyond the end of the nut which is remote from said overlying part of the retainer, and each projection having a split terminal for frictionally gripping a socket wall when the terminals are thrust axially into receiving sockets of the support.

2,385,894

HANDLING FILAMENTARY MATERIALS

Robert J. Taylor, Claymont, Del., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application April 12, 1944, Serial No. 530,683
6 Claims. (Cl. 28-71.3)



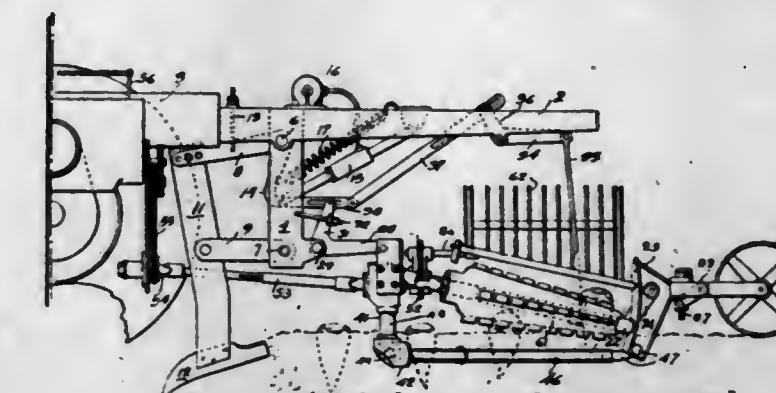
1. A method of stretching filamentary material of continuous character comprising continuously introducing the material at one portion of its path longitudinally in zigzag conformation between two sets of spaced parallel tactile members transverse of the material, the members of one set alternating with and being spaced from those of the other set in such an arrangement that the tactile surfaces thereof are on the side thereof away from the tactile surfaces of the other set, discharging the material at another portion of its path from engagement by said members, and during at least part of the time of engagement of the material between the members imparting motion to the members as a unit to effect translation of the material without substantial sliding thereof with respect to at least some of the members, concurrently introducing the material at an-

other portion of its path in advance of the point of discharge by the first two sets of members between another two sets of similarly related members, and imparting motion to these members as a unit at a higher rate of speed than that of the motion of the first two sets of members.

2,385,895

BEEF LIFTER

Vernon N. Tramontini, Chicago, Ill., assignor to United States Beet Sugar Association, Washington, D. C., a corporation of Utah
Application October 2, 1943, Serial No. 504,720
10 Claims. (Cl. 55-106)

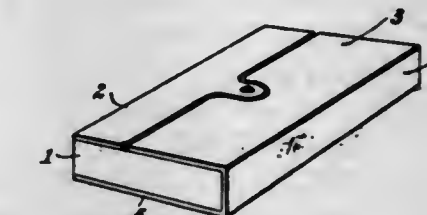


1. A machine for lifting roots from the ground comprising a frame, plow means on the frame for raising a ridge of soil containing the roots, milling means arranged on the frame behind the plow means for reducing the soil fragments of the ridge to smaller size and for jostling the roots upwardly in the ridge, and grab rolls arranged on the frame above the milling means for seizing the raised roots and projecting them above the rolls.

2,385,896

PIEZOELECTRIC DEVICE

Hans von Beckerath, Berlin, Germany; vested in the Alien Property Custodian
Application March 5, 1940, Serial No. 322,299
In Germany December 2, 1938
7 Claims. (Cl. 171-327)



1. A piezo-electric device comprising a crystal element having two opposing faces and four edge surfaces, one electrode fully covering one face and one edge surface and covering a portion of the other face, and a second electrode covering substantially the remainder of said other face.

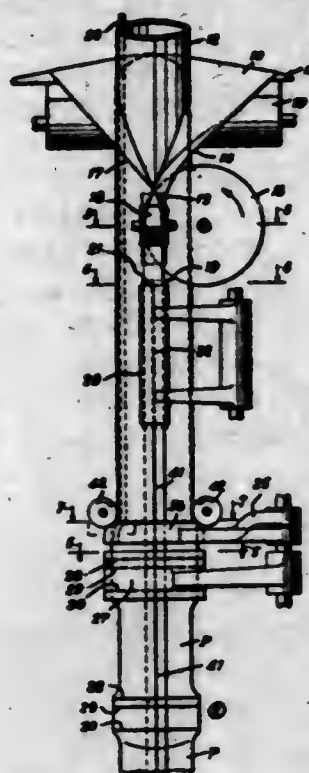
2,385,897

CONTINUOUS FILLING AND PACKAGING MACHINE

Harry F. Waters, New York, N. Y.
Application September 4, 1942, Serial No. 457,266
5 Claims. (Cl. 93-3)

1. In a continuous package making and filling machine, the combination which comprises a filling tube over which web material is drawn, means for wrapping the web material around said tube, forming means including a U-shaped plate and a cooperating disc for bringing the longitudinal margins of said web material together to form a fin-type seam folded back upon itself, means

for heat-sealing said margins while in such position to form a tube, means for transversely



sealing said tube at spaced intervals to form a plurality of packages, and means for severing a predetermined number of packages from the web.

2,385,898
SNAP-DOWN BOTTOM, FLAT-FOLDED PAPERBOARD CONTAINER
Harry F. Waters, New York, N. Y.
Application June 24, 1943, Serial No. 492,107
7 Claims. (Cl. 229-16)



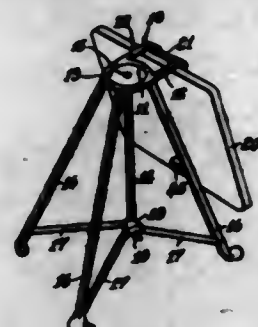
1. A paperboard blank for conical hollow containers, said blank comprising symmetrical wall sections spaced by an integral bottom section, said bottom section having a transverse medial fold line perpendicular to the central longitudinal axis of the panel sections, the panel sections having tapering sides with flaring arcuate base, the bottom panel having arcuate edges adapted to mate and register with the bottom edges of the panel sections upon folding, the bottom panel having arcuate score lines defining parabolas with the central longitudinal axis, the sides of the bottom panel forming obtuse angles and adapted to register with the edges of juxtaposed panels upon folding the blank into flat-folded container form.

2,385,899
PRODUCTION OF DIPHENYL SULPHONES
John Weijlard, Westfield, and John Paul Messerly, Clark Township, Union County, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application February 4, 1943, Serial No. 474,690
8 Claims. (Cl. 260-397.6)

1. The process that comprises reacting an aqueous solution of alkali metal hypohalogenite with a hot, vigorously agitated, glacial acetic acid solution of a compound of the class consisting of 4,4'-di(acylamino)-diphenyl sulphide, 4,4'-di-

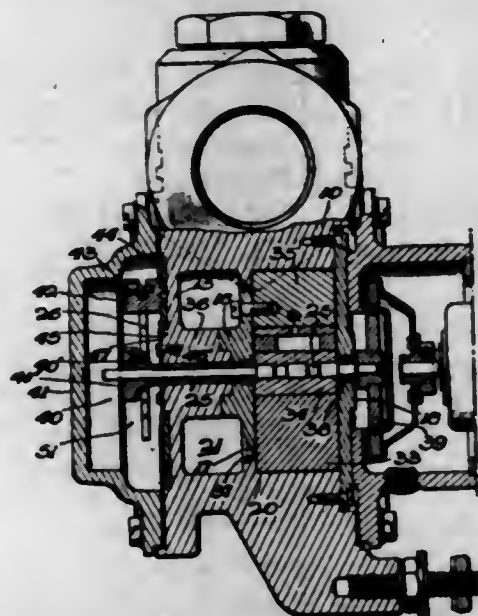
(acylamino)-diphenyl sulphoxide, 4,4'-dinitro-diphenyl sulphide and 4,4'-dinitro-diphenyl sulphoxide, and recovering the corresponding 4,4'-disubstituted-diphenyl sulphone.

2,385,900
COLLAPSIBLE STOOL
Walter Witt, Brooklyn, N. Y.
Application January 15, 1944, Serial No. 518,342
2 Claims. (Cl. 155-137)



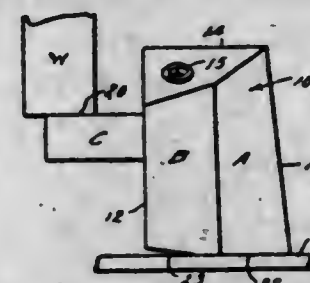
2. A collapsible stool consisting of a frame ring having a plurality of arms extending laterally therefrom, a post having its upper end secured to the center of the frame ring and having a stop on its lower end, a plurality of legs hinged at their upper ends to the frame ring, a sleeve sliding on the post against the stop thereof, rods each pivotally connected with one of the legs and pivotally connected at its inner end to the sleeve, a seat hinged to the arms to fold on the frame ring, and a back rest insert in the seat.

2,385,901
FLUID FLOW METER
Harry A. Williams, Glenside, Pa., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application November 18, 1943, Serial No. 510,815
3 Claims. (Cl. 73-228)



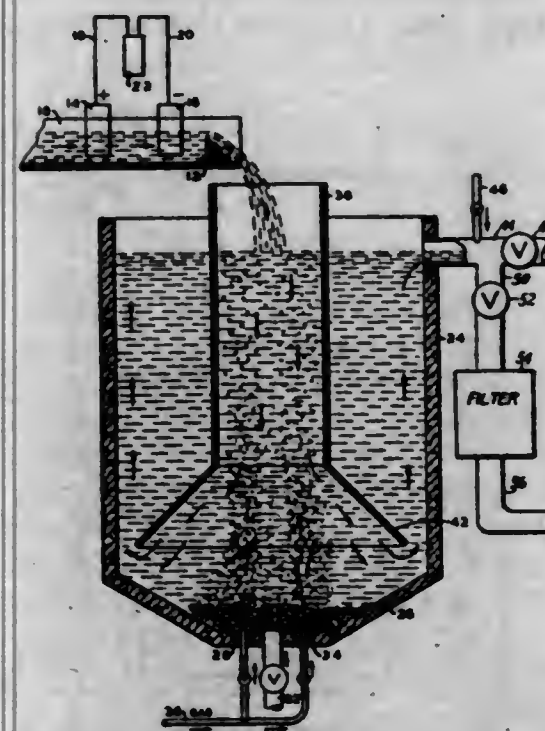
1. A fluid flow meter comprising a casing having an inlet, an outlet and an arcuate slot of progressively changing width between the inlet and outlet, a vane having a mutilated hub adapted to cover all but a substantially constant length of the slot, said hub being of relatively larger diameter than that of the arcuate opening defined by said slot, means adapted to rotatably mount said vane in said casing, and resilient means associated with said means adapted to produce variable torque in opposition to the torque produced in the said first means in the direction of fluid flow according to rates of flow to thereby expose different radial widths of said annular slot according to the difference between said torques developed by varying rates of fluid flow.

2,385,902
FIXTURE FOR GRINDING THREAD-CUTTING TOOLS
Harry C. Wilson, Huntington Park, Calif., assignor to Robert H. Clark, Los Angeles, Calif.
Application March 1, 1943, Serial No. 477,597
13 Claims. (Cl. 51-221)



1. A fixture for supporting a tool on the table of a grinder having a wheel, the fixture including a unitary body having an opening for receiving the tool so it projects from the forward end of the body, and means carried by the body to engage and clamp the tool in the opening, the body having two adjoining bottom surfaces on its under side, one bottom surface occupying a plane parallel with the longitudinal axis of the tool engaged in said opening so that it may be engaged on the table to have the wheel grind a surface on the top of the tool which lies in a plane parallel with said axis of the tool, the other bottom surface of the body occupying a plane inclined with respect to said axis of the tool to extend upward and forward from the first mentioned surface so that it may be engaged on the table to have the wheel grind a surface on the top of the tool which lies in a plane pitched rearwardly and downwardly relative to said axis of the tool.

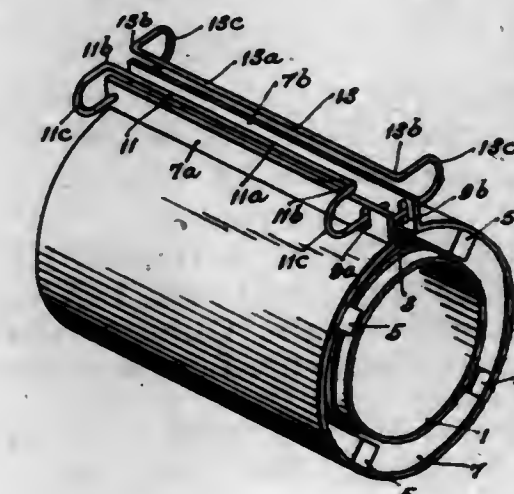
2,385,903
WATER TREATMENT
Samuel A. Winkelmann, West Columbia, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application July 1, 1942, Serial No. 449,216
2 Claims. (Cl. 210-16)



1. The process of purifying waste water containing sodium chloride, calcium carbonate, calcium bicarbonate, iron salts, and bacteria, which comprises subjecting the waste water to electrolysis to render the water alkaline and form sodium hypochlorite, whereby calcium bicarbonate

is converted to calcium carbonate, iron salts are converted to hydroxides, and bacteria are killed, agitating the alkaline water with finely-divided, solid calcium carbonate to increase the precipitation of calcium carbonate and facilitate separation of other insoluble materials, settling the water to permit deposition of insoluble materials, treating the water substantially free from insoluble materials with a calcium sequestering agent, and filtering the treated water.

2,385,904
ELECTRICAL HEATING APPARATUS
William M. Witty, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1943, Serial No. 492,821
13 Claims. (Cl. 219-13)

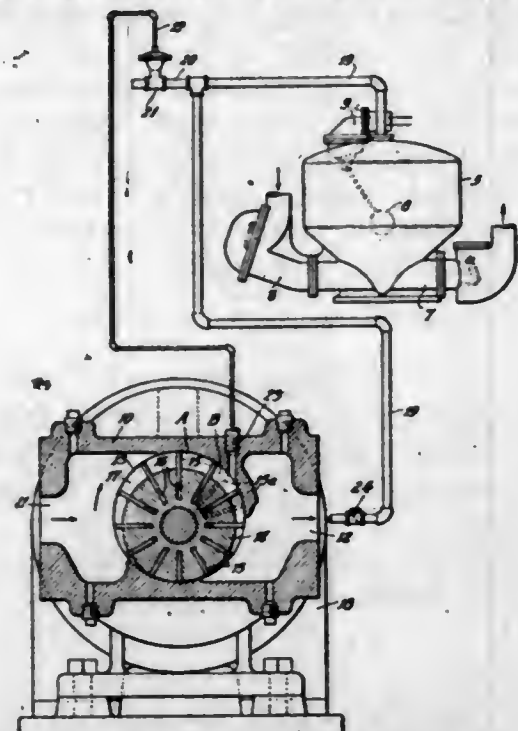


1. In inductive heating apparatus, the combination of a pair of inductor coupling devices disposed one along each side of a predetermined path with the major portion of their lengths extending along at least a portion of said path, means for coupling said devices to a source of high frequency electrical energy, means connecting said devices to said first named means in parallel relation electrically and providing a small leakage reactance, and a movable carrier arranged for movement along said path adjacent to said devices, said carrier being adapted to support a plurality of electro-conductive work units thereon and to move said units in succession along said path in inductive relation to each of said devices, the current passed through both said devices serving to induce heating current in each of said units as they are advanced along said path.

2,385,905
AIR COMPRESSOR AND APPARATUS OPERATED THEREBY
Charles Yeomans, Hubbard Woods, Ill., assignor to Yeomans Brothers Company, a corporation of Delaware
Application January 20, 1944, Serial No. 518,945
2 Claims. (Cl. 103-234)

1. In pneumatic ejecting mechanism of the class described, a receiver for fluid materials, a vent for relieving air in said receiver, a normally open pneumatic valve for closing said vent, an air compressor for delivering compressed air to said receiver to thereby expel said materials therefrom, means for actuating said compressor, means responsive to a predetermined level of fluid in said receiver for initiating operation of said compressor actuating means, and means whereby said compressor, when actuated, delivers to said pneumatic valve, a supply of compressed air independent of the supply delivered to said

receiver, for effecting closing of said vent valve to thereby enable said compressor to deliver suf-



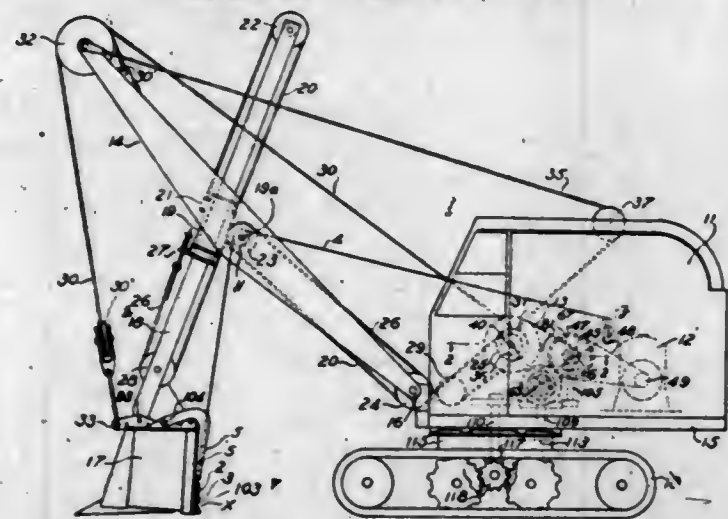
ficient compressed air to said receiver for expelling materials therefrom as aforesaid.

2,385,906

LINE TAKE-UP FOR POWER SHOVELS, CRANES, AND THE LIKE

Roy H. Zellman, Lorain, Ohio, assignor to The Thew Shovel Company, Lorain, Ohio, a corporation of Ohio

Application February 19, 1944, Serial No. 523,143
7 Claims. (Cl. 214-146)



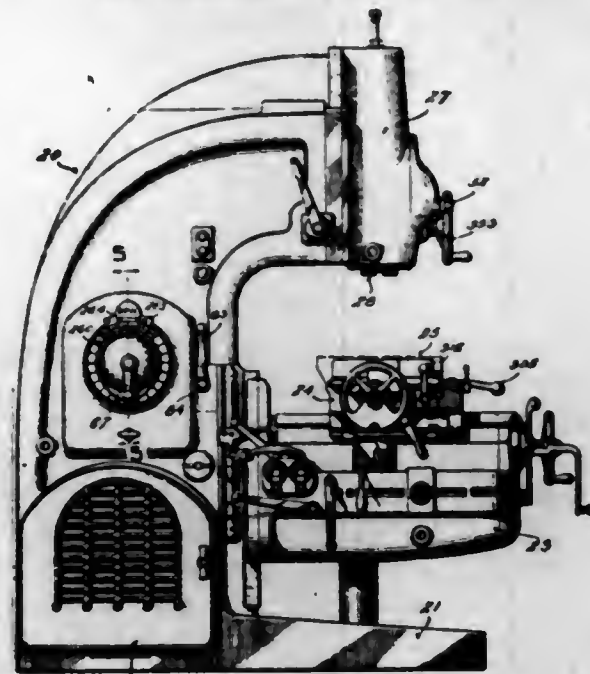
1. The combination with a dump bottom latch of a mobile power shovel dipper and the latch line for operating the said latch and a power driven shaft disposed upon the turntable of such shovel, of a winding drum to which said line is secured for variable winding thereon, a friction type clutch and an electromagnetic drag type clutch both adapted to frictionally communicate a rotative effort to said drum from said shaft, electrical current supply means normally operative to communicate a limited electrical current to the magnet of said electromagnetic clutch to maintain such sufficient winding effort on said drum by magnetic drag effect as to maintain said line taut during operative movements of said dipper, supplemental means comprising a manually operable current flow controller to substantially increase the flow of current to said magnet to increase such magnetic drag effect, said electromagnetic clutch comprising a mechanical element adapted to be deflected from its normal position responsive to such increased drag effect and a friction clutch operating link operable by deflection movement of said mechanical element to operate said friction clutch whereby by manual operation of said controller said line is given an increased pull over that required to maintain the line taut to operate said latch to release said dipper bottom.

2,385,907

MACHINE TOOL POWER TRANSMISSION AND CONTROL MECHANISM

Joseph B. Armitage and Theodore F. Eserkain, Wauwatosa, Wis., assignors to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin

Application August 3, 1940, Serial No. 350,666
33 Claims. (Cl. 90-19)



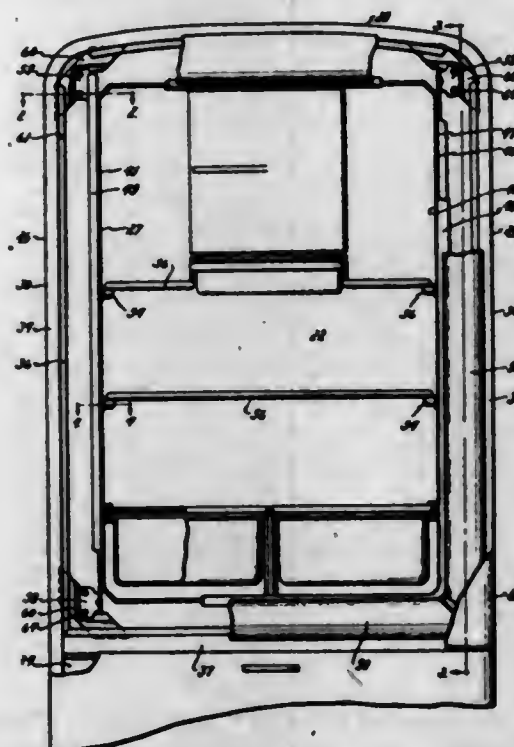
4. In a milling machine having a frame carrying a sliding head, a tool spindle rotatably mounted in said sliding head, means for driving said spindle including a range changing mechanism mounted in said sliding head, apparatus in said frame for transmitting power to said range changing mechanism in said sliding head, a shifting member rotatably and slidably mounted in said sliding head, means responsive to sliding movement of said shifting member to control said apparatus in said frame for transmitting power to said range changing mechanism, and means responsive to rotation of said shifting member to shift said range changing mechanism.

2,385,908

REFRIGERATING APPARATUS

George M. Armstrong, Grand Rapids, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland

Application July 18, 1941, Serial No. 402,904
1 Claim. (Cl. 220-15)



In a refrigerator cabinet having inner and outer casings in spaced relation with heat insulation therebetween, an opening formed in the front wall of said outer casing, an opening formed

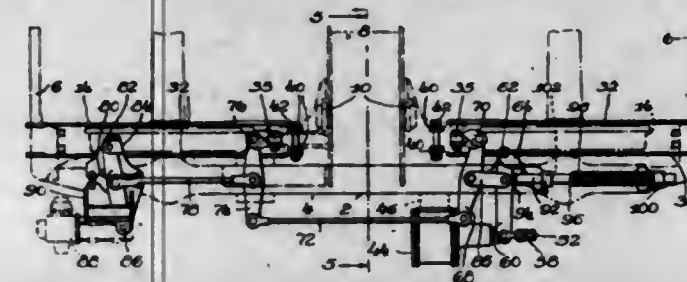
in the front wall of said inner casing, the front walls of said inner and outer casing being arranged in planar alignment terminating in spaced relation to each other, the front wall of said inner casing having its edges bent rearwardly to form a U with a side wall of said inner casing, vertically extending rails adjacent each of the side walls of said inner casing and at the front thereof with each rail having its forward portion bent to extend diagonally across said U to form a wedge for maintaining said rail against the side of said inner casing, means attaching said rails to said side walls of said inner casing, gusset members secured across each corner in the opening of the front wall of said outer casing, outwardly projecting legs provided at opposite ends of said rails for attaching to a respective gusset, and a relatively thin breaker strip for joining the front walls of said inner and outer casing.

2,385,909

CLASP BRAKE

Ray G. Aurien, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application February 25, 1944, Serial No. 523,787
6 Claims. (Cl. 188-56)



1. In a brake arrangement for a railway car truck comprising a truck frame and spaced supporting wheel and axle assemblies, the combination of brake rigging comprising interconnected live and dead truck levers at opposite sides of each assembly, a diagonally arranged dead auxiliary lever having a fixed fulcrum at its inboard end to a bracket on said frame adjacent one end of the truck, an automatic slack adjuster connected to the outboard end of said dead auxiliary lever, a substantially vertical cylinder lever fulcrumed at its lower extremity from said frame adjacent the opposite end of the truck, a power cylinder device operatively connected to said cylinder lever intermediate the ends thereof, a substantially horizontal dead auxiliary lever fulcrumed at its inboard end from said frame adjacent said last-mentioned end of the truck, said last-mentioned dead auxiliary lever being connected at its outboard end to the upper end of said cylinder lever, a pair of spaced substantially horizontal live auxiliary levers, a pull rod connecting the outboard ends of said live auxiliary levers, a connection between the inboard end of each live auxiliary lever and the adjacent live truck lever, means connecting each live auxiliary lever to the adjacent dead auxiliary lever, and release means for said brake rigging comprising resilient means cooperating with the second-mentioned dead auxiliary lever for returning the same to its normal released position after actuation of said brake rigging.

2,385,910

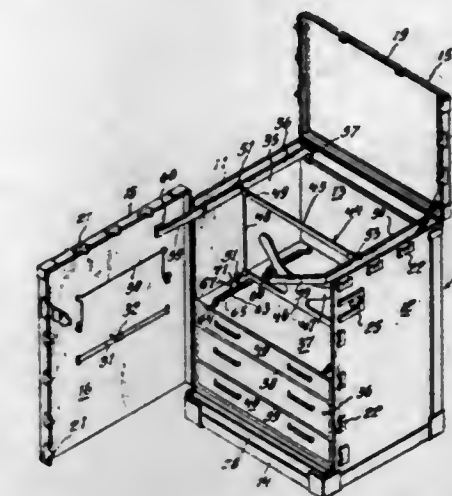
WARDROBE TRUNK

Wallace H. Bracken, Rye, N. Y.

Application August 15, 1941, Serial No. 406,951
2 Claims. (Cl. 190-13)

2. A wardrobe trunk comprising a generally rectangular housing provided with an upper 579 O. G.-5

hinged cover and a front hinged cover, a substantially centrally disposed horizontal partition secured along its opposed lateral edges to the adjacent side walls of the housing, imparting rigidity to such walls and dividing the trunk into a lower, clothing-accessory-carrying section, and an upper, body-garment-carrying section, means at the upper ends of the opposed side walls of the housing for suspending a body-garment-carrying frame, and means adjacent to the lower



portion of the body-garment-carrying section for retaining the lower end of said frames against movement, said means comprising a bar spaced from the upper surface of said partition, a plurality of spaced stop members carried thereby, and a movable retaining member removably attached to the lower end of said frame carried by the bar, one of said stop members engaging the movable member to secure the same in a desired position.

2,385,911

CONDENSATION PRODUCTS OF ALDEHYDES AND UNSATURATED ESTER AMIDES

Albert G. Chenicek, Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application June 16, 1941,
Serial No. 398,318

10 Claims. (Cl. 260-72)

3. A condensation product of an aldehyde and an ester, said ester having the molecular structure: $R_1-O-X-NH_2$, wherein R_1 is a radical corresponding to the radical R_1 in the alcohol R_1OH , said alcohol being an unsaturated monohydric alcohol having from 2-10 carbon atoms and having an unsaturated carbon-to-carbon linkage adjacent the beta carbon atom therein, and X is a radical selected from the group consisting of



R_2 being selected from the class consisting of divalent saturated aliphatic hydrocarbon radicals and the divalent phenylene radical.

2,385,912

SULPHURIZED GLYCERYL ESTERS OF TALL OIL AND METHOD FOR MAKING SAME

Gifford D. Davis, South Orange, and Edwin J. Barth, East Orange, N. J., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application June 3, 1943,
Serial No. 489,466

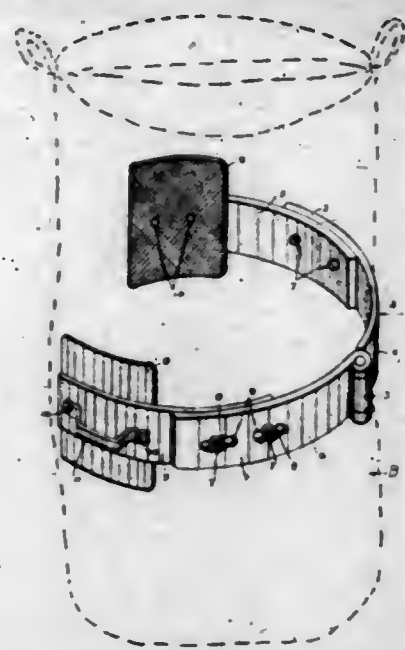
5 Claims. (Cl. 260-97.5)

1. As a new composition of matter, sulphurized glyceryl esters of tall oil.

2,385,913

LIFTER AND CARRIER

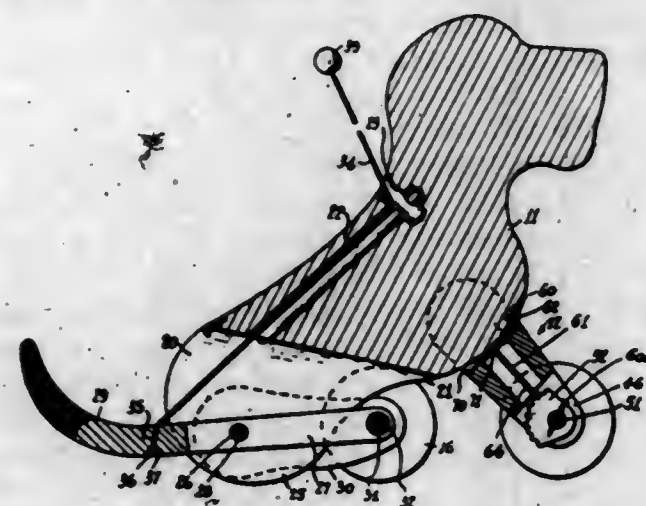
Ralph F. Fink, Excelsior, Minn.
Application April 19, 1944, Serial No. 531,781
6 Claims. (Cl. 294-16)



1. A device of the character described comprising a pair of curved arms hingedly connected at inner adjacent ends, frictional gripping plates secured upon the inner surfaces of the outer ends of said arms, and handles extending from the outer ends of the arms at points adjacent the gripping plates at least one of said arms being composed of overlapping sections, one of which has a slot and the other of which has a bolt extending through said slot whereby the arm may be adjusted as to length.

2,385,914
PULL TOY

John T. Generale, Pelham Manor, N. Y.
Application April 24, 1945, Serial No. 590,001
11 Claims. (Cl. 46-98)



1. A toy comprising a body-simulating member, a leg-simulating member pivoted to the body, a lever pivoted at an intermediate portion thereof to the body, means to attach one end of the lever to the leg-simulating member, the other end of said lever being provided with a tail-simulating portion.

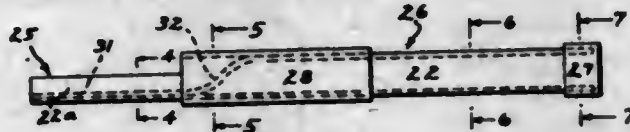
2,385,915

CONNECTOR SOCKET

David Oakley Hagedorn and Elias Blanco,
Los Angeles, Calif.
Application March 20, 1944, Serial No. 527,257
10 Claims. (Cl. 173-363)

1. In electric connector sockets of the type comprising the combination of a tubular pin receiving body and a conductor-receiving solder cup formed as an integral extension of the body; the improvement which comprises a solder cup having a double wall of arcuate section, the outer

wall being an extension of an arcuate portion of the tubular body wall and the inner cup wall

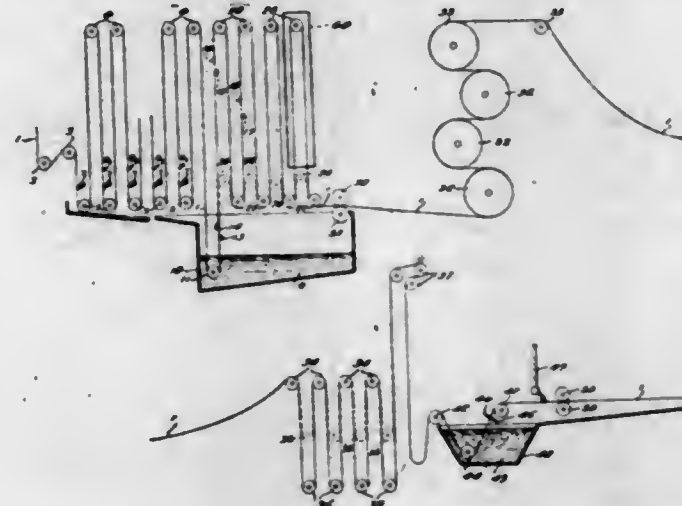


being an integral extension of the remaining arcuate portion of the tubular body wall but relatively reversed in curvature.

2,385,916

APPARATUS FOR IMPREGNATING WEBS

Leonard E. Hahn, Kansas City, Mo., assignor to
Certain-Teed Products Corporation, New York,
N. Y., a corporation of Maryland
Application July 12, 1940, Serial No. 345,093
7 Claims. (Cl. 91-18)



1. Apparatus for impregnating an elongated web of felted fibrous structure which comprises means for moving the web in the direction of its length, means for substantially completely filling the structure of said web with impregnating material at an elevated temperature and providing upon the faces of the web as it travels layers of impregnating material in addition to that initially carried by the hot impregnated web, means for applying sealing coatings to the faces of said web, means for causing said web to travel through a cooling zone from said means for impregnating the web towards said means for applying said sealing coatings, means located adjacent the entrance of said cooling zone constructed and arranged to limit said impregnating material in said layers to an amount in excess of that which at the temperature thereof upon reaching the coating means can substantially completely fill the felted structure without excess of said impregnating material remaining on the faces of the web, and means located in said cooling zone adjacent the faces of said web in its travel therethrough constructed and arranged to reduce the amount of said impregnating material to that which at the temperature thereof upon reaching said coating means can substantially completely fill the felted structure without excess of said impregnating material remaining on the faces of the web.

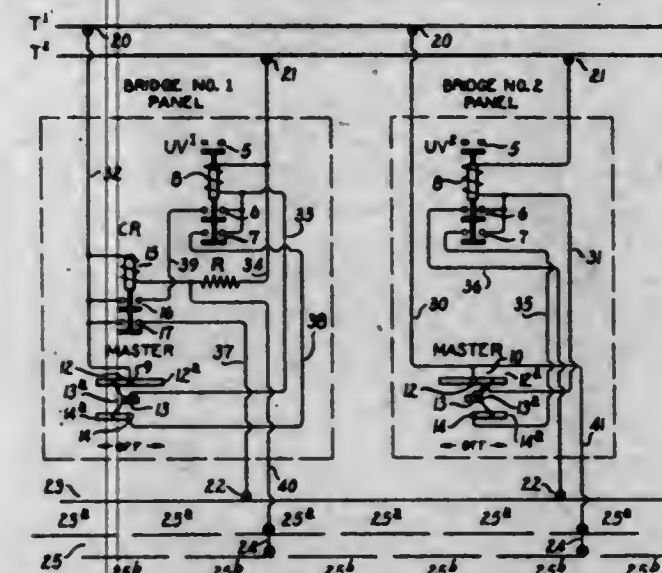
2,385,917

CONTROLLER FOR ELECTRIC TRAVELING MACHINES

Paisley B. Harwood and John M. Newman, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc.,
Milwaukee, Wis., a corporation of Delaware
Application July 10, 1942, Serial No. 450,480
8 Claims. (Cl. 246-31)

1. In a controller for travelling machines, in combination, a controller for a first machine to be carried by such machine, means to be carried

by a second machine and having a trolley rail interconnection with said controller whereby said means may cause said controller to stop the first machine, and means mechanically acting to effect the aforementioned action of said means upon predetermined approach of the first machine to-



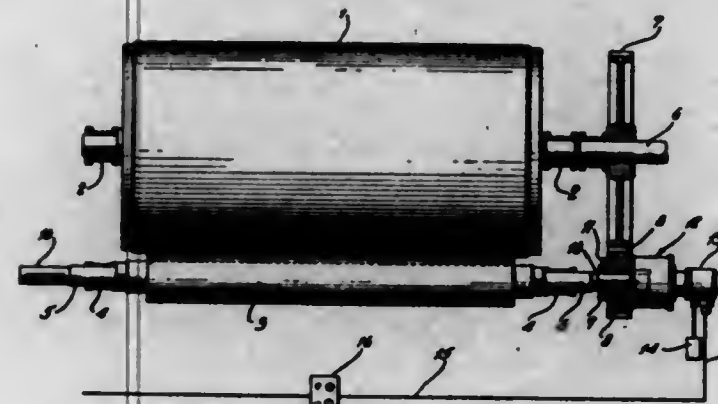
towards the second machine, said controller restricting influence thereon by the first mentioned means to a single direction of travel of the first machine, thereby to render the first machine free for reverse travel irrespective of the condition of the first mentioned means.

2,385,918

APPARATUS FOR VARYING THE ANGULAR RELATION OF DRIVEN MEMBERS

Rudolf Heberlein and August Künzle, Wattwil, Switzerland, assignors to Heberlein Patent Corporation, New York, N. Y., a corporation of New York

Application June 12, 1943, Serial No. 490,707
In Switzerland June 17, 1942
6 Claims. (Cl. 74-395)

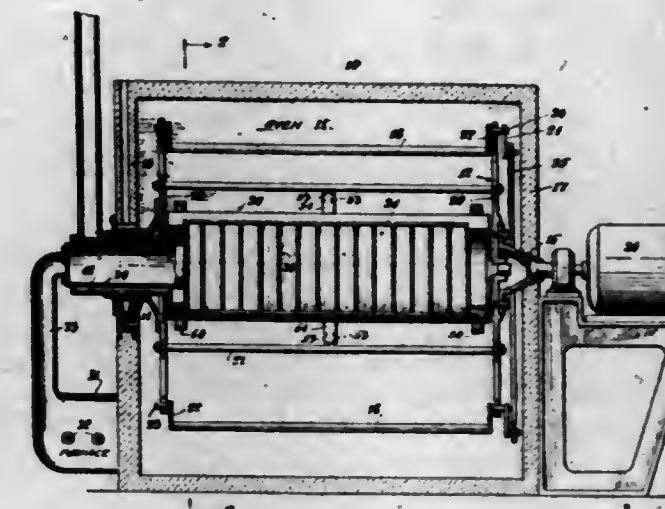


1. In apparatus for varying the angular relation of a member during its rotation, the combination of a rotatable member to be driven, rotatable means for driving said member, a transmission drivingly interconnecting said driving means and driven member; said transmission comprising a pair of internal gears concentric with said driven member, one of said gears being rigidly secured to said driving means and the other being rigidly secured to said driven member, planet gear means in respective driven and driving engagement with said driving and driven internal gears and means freely rotatably mounting said planet gear means about an axis of rotation eccentric to said pair of internal gears and rotatably about an axis of revolution concentric with said pair of internal gears; and means for revolving said planet gear means about said concentric axis.

2,385,919

REEL TYPE BAKE OVEN

Sven Holm, Wellsville, N. Y., assignor to The Air Preheater Corporation, New York, N. Y.
Application April 14, 1944, Serial No. 531,024
4 Claims. (Cl. 107-59)



1. In a bake oven having a casing forming a baking chamber enclosing a reel provided with shelves for articles to be cooked spaced circumferentially about the axis of rotation of said reel, a heat exchange unit extending axially of said reel and disposed substantially centrally within said reel opposite said shelves for radiating heat to articles to be cooked thereon, a hollow trunnion for rotatively supporting one end of said reel journaled in an end wall of said casing, and a conduit extending through said trunnion and connected to said heat exchange unit for supplying a heating medium to the latter; heat deflecting shields interposed between parts of said heat exchange unit and said shelves; and means for adjustably supporting said shields for movement about the longitudinal axis of said heat exchange unit.

2,385,920

PLASTICIZATION OF PLASTICS

John D. Jenkins, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application December 19, 1941,
Serial No. 423,624

8 Claims. (Cl. 117-161)

1. A method of coating a surface which comprises applying to the surface a film of a suspension of finely divided thermoplastic organic plastic material in suspension in an organic liquid medium which is a non-solvent for the plastic, said medium containing dissolved therein a compatible plasticizer for the plastic, the liquid medium being in a ratio of 30 to 90% and the plasticizer being in a ratio of 25 to 100% all based on the plastic content of the suspension.

2,385,921

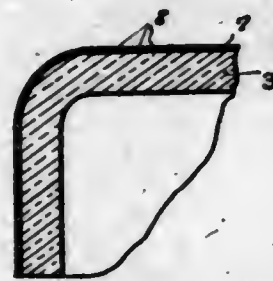
CELLULATION OF PLASTICS

John W. Jordan, Port Allegany, Pa., assignor to Pittsburgh Corning Corporation, Allegheny County, Pa., a corporation of Pennsylvania
Original application January 23, 1941, Serial No. 375,551. Divided and this application July 11, 1942, Serial No. 450,585

1 Claim. (Cl. 117-70)

A process of forming an adherent cellular layer of plastic upon a glass surface, which comprises preliminarily coating the surface with hydrolyzed ethyl silicate, then spraying an approximately 30

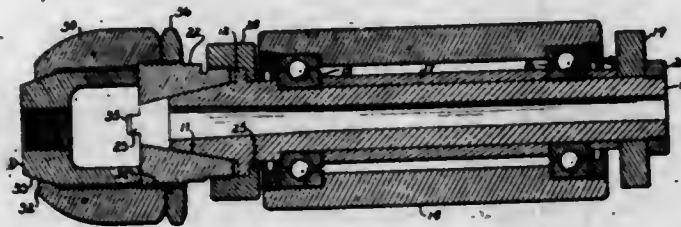
percent solution of vinyl acetal resin in ethyl alcohol at a temperature of about 165° F. upon



said surface in such manner as to form and entrap bubbles in the vinyl acetal layer.

2,385,922 DIE HOLDER

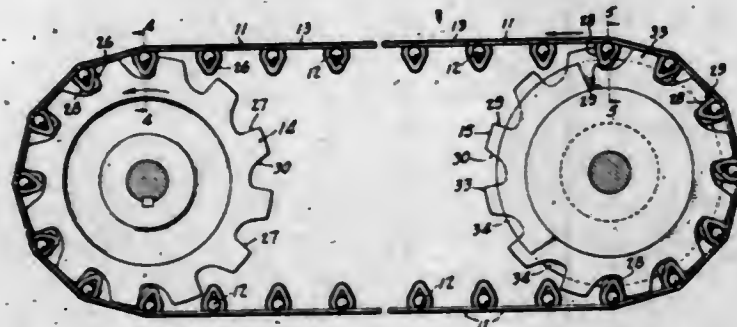
Franklin Judge, Greenfield, Mass.
Application February 3, 1944, Serial No. 520,917
3 Claims. (Cl. 10-119)



3. Means to secure a die to a spindle having a conical driving projection and an external annular flange adjacent said projection, which means comprises a die-engaging bushing, a threaded and internally-flanged collar coating with the external flange on said spindle and with a threaded portion of said bushing to seat the bushing on said conical projection, and clamping lugs on said bushing effective to clamp the die against an end surface of said bushing, and said end surface being recessed to receive and center the die.

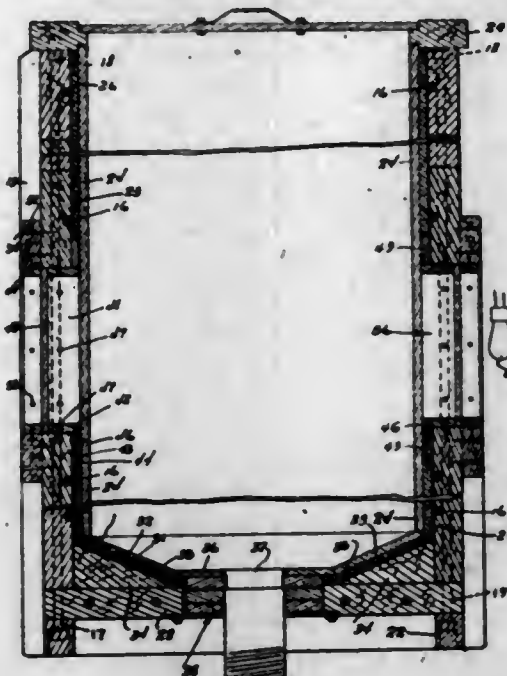
2,385,923 CONVEYER CHAIN

Hermann Klauke, Worcester, Mass., and Russell G. Davis, Milwaukee, Wis., assignors to Chain Belt Company Milwaukee, Wis., a corporation of Wisconsin
Application October 23, 1941, Serial No. 416,146
7 Claims. (Cl. 74-250)



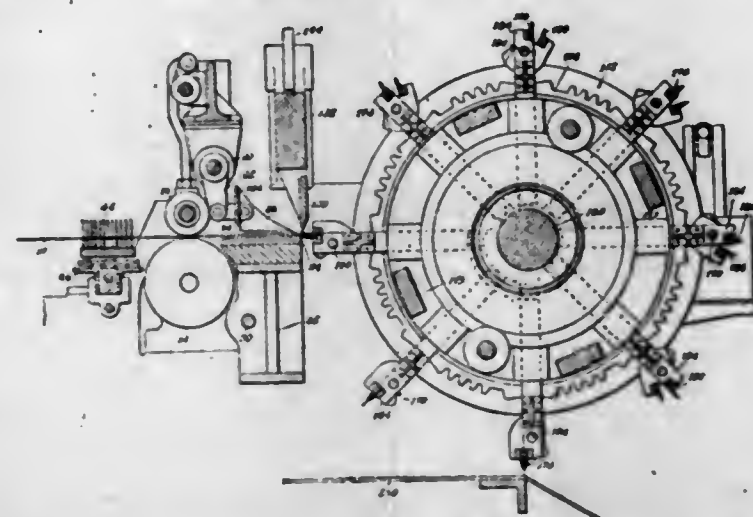
1. In a chain, the combination of links each having a curled portion at the ends, the curled portion at one end being bifurcated and the curled portion at the other end being arranged to extend intermediate of the bifurcated curled portion of the end of the adjacent link, whereby the links may be joined in hinged fashion, bushings retained within said curled portions, the bushings within the bifurcated curled portions being of smaller external diameter than the bushing retained within the intermediate curled portion, and pins extending through adjacent bushings and forming a hinged joint between the links.

2,385,924
GLASS-LINED CONTAINERS FOR CORROSIVE SUBSTANCES
Percy E. Knudsen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application October 19, 1943, Serial No. 506,792
5 Claims. (Cl. 206-2)



1. A container structure comprising an outer reinforcing shell and an inner lining of glass plates, the plates of the lining being spaced from the shell, said outer shell having an inspection opening formed therein, the margins of the opening being closed by a frame, the inner edges of which bear against the outer face of the glass lining and a packing of impermeable plastic in the space between the lining and the shell.

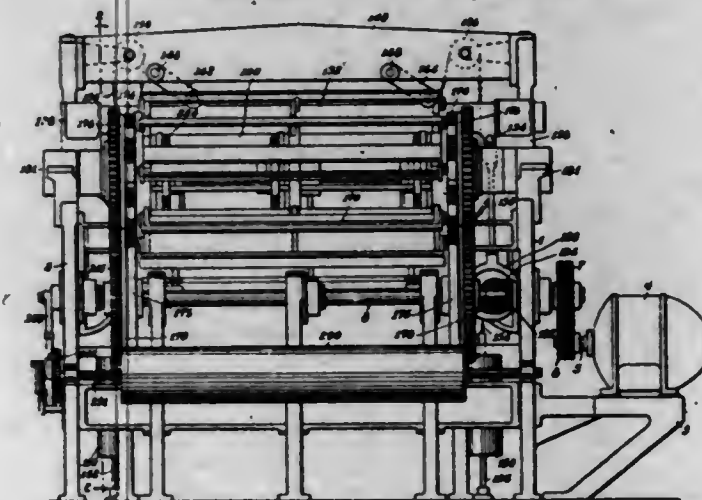
2,385,925
APPARATUS FOR MAKING PILE PRODUCTS
Leroy N. Linscott, Yonkers, N. Y., assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y., a corporation of New York
Application January 15, 1943, Serial No. 472,450
8 Claims. (Cl. 154-1)



1. An apparatus for making pile fabrics which comprises means to intermittently feed a backing having a cementitious coating thereon to a pile-depositing station, means to intermittently feed a pile-forming material to a severing station, a knife to sever the leading edge portion of said pile-forming material, a rotor provided with a plurality of grippers, means to intermittently rotate said rotor to dispose a gripper in position to grip the leading edge portion of said pile material prior to severance thereof and after severance to dispose said gripper at the pile-depositing station in a substantially vertical position with the lower ends of the pile elements spaced from and at right angles to the point on the coating at which said lower ends are to be embedded, said

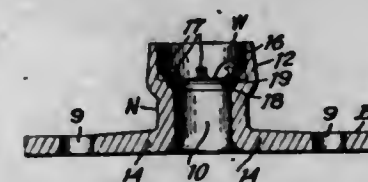
rotor having means to advance said gripper in a direction toward the pile material at the severing station, and means to move the gripper downwardly at the pile-depositing station whereby the pile elements are embedded in the coating and upwardly after the pile elements have been embedded in the coating.

2,385,926
APPARATUS FOR FEEDING AND CUTTING MATERIAL INTO DEFINITE LENGTHS
Leroy N. Linscott, Yonkers, N. Y., assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y., a corporation of New York
Original application January 15, 1943, Serial No. 472,450. Divided and this application November 25, 1943, Serial No. 511,726
19 Claims. (Cl. 164-53)



19. An apparatus for feeding and cutting pile-forming material into pile elements of definite lengths which comprises a table, the forward edge of which constitutes a bottom knife, means to intermittently feed a pile-forming material to said table, a pusher engaging said pile material on said table at predetermined times and intermittently advancing said pile material thereover into position for severing, a plate, timed means to actuate said plate to engage and hold said pile material in position on said table during the severing operation and release said pile material after the severing operation, a gripper to grip the leading edge portion of the pile material prior to severance thereof, a knife adapted to cooperate with the forward edge of said table to sever said pile material extending beyond said table and while held by said gripper, means to mount said knife at an inclination to the horizontal, and means to actuate said knife at predetermined times to effect the severing operation.

2,385,927
NUT OR THE LIKE AND BLANK THEREOF
Veyne V. Mason, Scotch Plains, N. J., assignor to Elastic Stop Nut Corporation of America, a corporation of New Jersey
Application March 23, 1943, Serial No. 480,140
3 Claims. (Cl. 151-7)



1. A light-weight nut of sheet metal or the like comprising a base portion and a threaded tubular neck portion extending laterally from said base portion, the metal of said base portion being thicker at the place of juncture than the metal of said neck portion and the section of the base portion tapering away from the place of juncture to a thinner section substantially the same as that of the neck portion.

2,385,928
WATER SOFTENING AND WASHING PRODUCT AND METHOD OF PREPARING SAME
Leonard Meites, Chicago, Ill.
No Drawing. Application March 13, 1942, Serial No. 434,477
16 Claims. (Cl. 252-135)

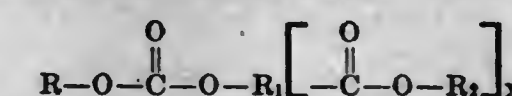
1. The method of preparing a water-soluble product which comprises heating a mixture of crystalline trisodium phosphate and phosphorus pentoxide, in a molal ratio of from approximately two to approximately three mols of crystalline trisodium phosphate to one mol of phosphorus pentoxide, at a reaction temperature not substantially below 300 degrees C. but below the temperature of disintegration of the desired reaction product for a period of time sufficient to substantially complete the reaction.

2,385,929
WATER SOFTENING AND WASHING PRODUCT AND METHOD OF PREPARING SAME
Leonard Meites, Chicago, Ill.
No Drawing. Application March 13, 1942, Serial No. 434,478
16 Claims. (Cl. 252-135)

1. The method of preparing a water-soluble compound which comprises heating a mixture of crystalline trisodium phosphate and monosodium dihydrogen phosphate, in a molal ratio of from approximately one to approximately two mols of crystalline trisodium phosphate to two mols of monosodium dihydrogen phosphate, at a reaction temperature not substantially below 300 degrees C. but below the temperature of disintegration of the desired reaction product for a period of time sufficient to substantially complete the reaction.

2,385,930
POLYBASIC ACID-POLYHYDRIC ALCOHOL ESTERS AND POLYMERS THEREOF
Irving E. Muskat and Franklin Strain, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application October 15, 1940, Serial No. 361,281
8 Claims. (Cl. 260-78)
5. An ester of (A) one molecular equivalent of tetraethylene glycol and (B) two molecular equivalents of a half ester of carbonic acid and an alcohol of the group consisting of allyl, methallyl and crotyl alcohols.

2,385,931
UNSATURATED ESTERS AND POLYMERS THEREOF
Irving E. Muskat, Akron, and Franklin Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 27, 1941, Serial No. 424,665
8 Claims. (Cl. 260-78)
7. A compound having the structural formula:



wherein R is a radical equivalent to the radical R in the alcohol ROH, said alcohol being an unsaturated monohydric alcohol having from 3 to 10 carbon atoms and having a carbon to carbon unsaturated linkage between the beta and gamma carbon atoms therein, R₁ is a hydrocarbon radical

having a valence of $(X+1)$, R_2 is a radical equivalent to the radical R_1 in the alcohol R_2OH , said alcohol being an unsaturated monohydric alcohol having from 2 to 10 carbon atoms and having a carbon to carbon unsaturated linkage adjacent the beta carbon atom therein, and X is a small whole number from one to three.

2,385,932

UNSATURATED ESTERS AND POLYMERS THEREOF

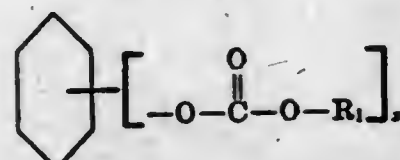
Irving E. Muskat, Akron, and Franklin Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application March 7, 1942,

Serial No. 433,830

9 Claims. (Cl. 260-78)

5. An ester having the following structural formula:



wherein R_1 is a radical equivalent to the radical R_1 in the alcohol R_1OH , said alcohol being a monohydric, unsaturated aliphatic alcohol containing from 3 to 10 carbon atoms and having an unsaturated carbon-to-carbon linkage between the beta and gamma carbon atoms therein, and x is a small whole number greater than one and less than four.

2,385,933

UNSATURATED ALCOHOL ESTERS OF TRIETHYLENE GLYCOL BIS (ACID CARBONATE) AND POLYMERS THEREOF

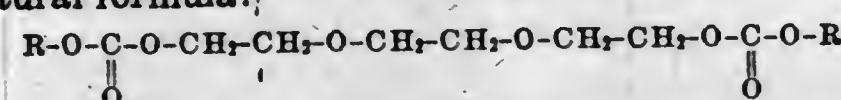
Irving E. Muskat, Akron, and Franklin Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application March 7, 1942,

Serial No. 433,834

8 Claims. (Cl. 260-78)

8. A neutral ester having the following structural formula:



wherein R is a radical equivalent to the radical R in the alcohol ROH , said alcohol being a monohydric, unsaturated alcohol containing from three to ten carbon atoms and having an unsaturated carbon to carbon linkage between the beta and gamma carbon atoms therein.

2,385,934

UNSATURATED ESTERS AND POLYMERS THEREOF

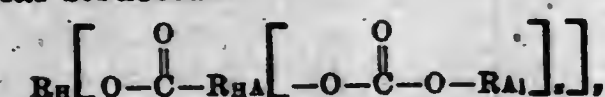
Irving E. Muskat, Akron, and Franklin Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application June 8, 1942,

Serial No. 446,288

8 Claims. (Cl. 260-78)

7. As a new compound an ester having the molecular structure:



wherein R_2 is a saturated hydrocarbon radical having a valence y , R_1 is a hydrocarbon radical

having a valence equal to $(x+1)$, R_1 is an alkenyl radical having at least three carbon atoms and having an unsaturated carbon to carbon bond between the second and third carbon atoms from the oxygen atom adjacent to said alkenyl radical, x is a small whole number and y is a small whole number greater than one.

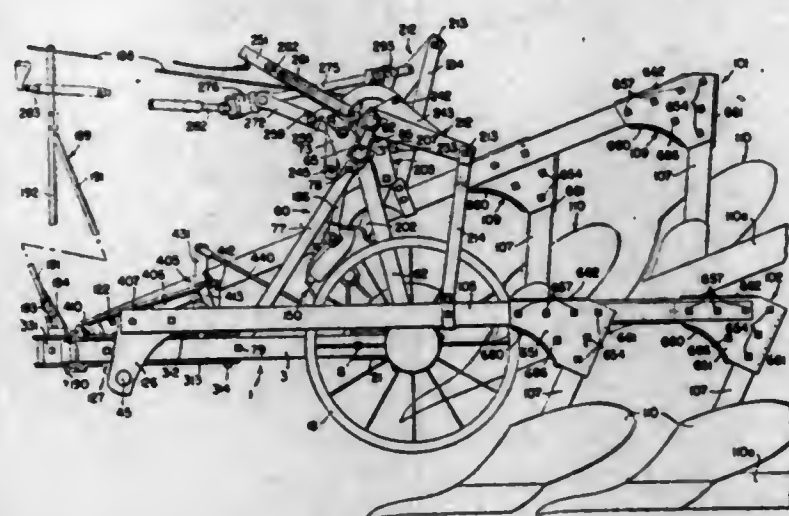
2,385,935

TWO-WAY FLOW

Orey W. Oerman, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application July 25, 1941, Serial No. 404,018

39 Claims. (Cl. 97-29)



1. A two-way plow comprising a frame, a pair of right and left hand plowing units movably connected with the forward portion of said frame, each unit comprising a pair of beams and a pair of plow bottoms connected therewith, at least one of the beams of each pair extending over the rear portion of said frame, and a pair of land wheels connected with and supporting the rear portion of said frame and disposed, respectively, between the beams of said pairs.

2,385,936

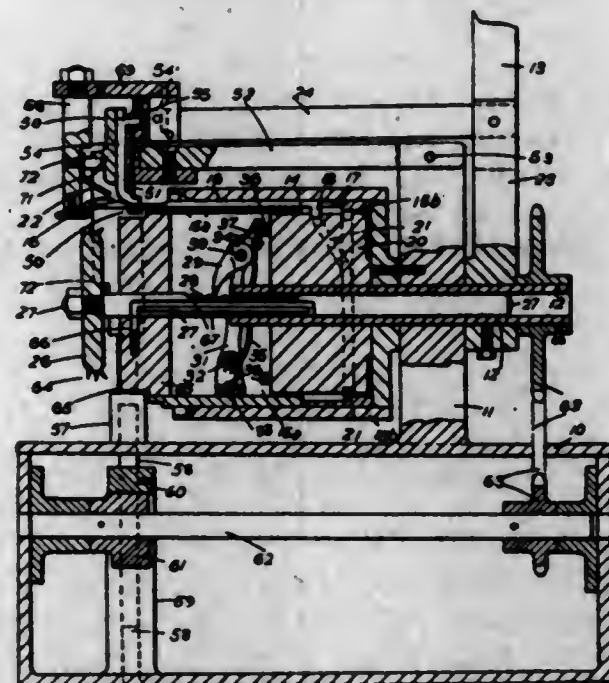
DARNING MACHINE

John Page and Leslie Trevor John Page, Leicester, England

Application June 24, 1944, Serial No. 541,960

In Great Britain October 27, 1943

3 Claims. (Cl. 66-2)



1. A darning machine comprising a curved needle bed for the reception of individually-slidable bearded knitting needles presenting their beards at the outer convex surface of the bed at

an end thereof which bed affords a passage for butts of the needles to be presented at the concave surface of the bed, oscillating cam means located in the concavity of the bed for engaging said butts and for imparting knitting movements to the needles during oscillation of the cam means in each direction, a yarn feeder, presser means arranged about the said end of the curved bed for pressing the bearded needles, a mounting on which said presser means is displaceable away from the bed to permit a sock or the like to be inserted or removed, means for oscillating said cam means and feeder in relation to the needle bed, a fabric take-up device, means for operating it with a step-by-step motion to take up the fabric as darning proceeds, a holding down device for engaging the exterior of the fabric, and means for periodically lifting the holding-down device coincidently with the step-by-step operation of the take-up.

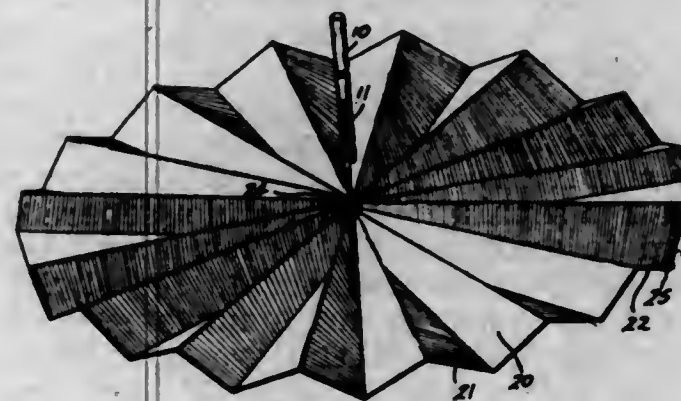
2,385,937

EMERGENCY UMBRELLA

Leona Piechowski, Milwaukee, Wis., assignor of one-half to Adley Hafemeister, Wauwatosa, Wis.

Application January 31, 1945, Serial No. 575,445

5 Claims. (Cl. 135-20)



4. In combination, an emergency umbrella comprising a rectangular sheet of paper reversely folded at intervals into two series of parallel pleats and normally transversely folded to form a package, the pleats at the ends of the sheet being permanently connected along one margin and said pleats when swung outwardly at their free ends through an arc of 90 degrees being adapted to form a circular top with the central portion of their folded portions in parallel relation, and a forked handle adapted to receive said folded portions between its fork arms to be clamped together thereby.

2,385,938

GAS FILTER

Edwin G. Pierce, Cleveland, Ohio

Application October 4, 1943, Serial No. 504,893

6 Claims. (Cl. 128-147)



2. Apparatus of the class described comprising a canister provided with a chamber for receiving an air purifying material, said canister being provided with an inlet port and an outlet opening arranged so that air entering the inlet port

traverses said material in its passage to the outlet opening, a bushing arranged in said outlet opening provided with a side port, inhalation means including a hub having a bored stem arranged at an angle thereto, said hub being rotatably mounted in said bushing and having its inner end closed and a side port, and the ports in said hub and bushing being so arranged that when the stem is over the canister, the ports are closed and when the hub is rotated to position the stem away from the canister, the ports are in registry to provide an outlet passage to said stem.

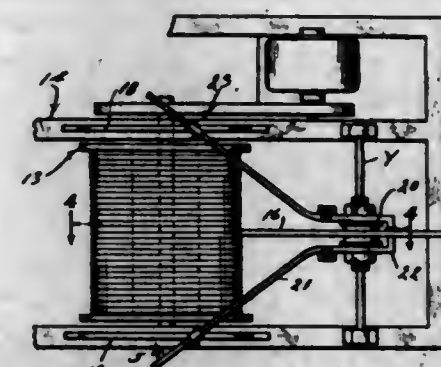
2,385,939

CABLE GUIDE

William A. Pollock, Long Beach, Calif.

Application April 14, 1944, Serial No. 531,064

12 Claims. (Cl. 254-190)



6. In combination, a frame, a drum carried by the frame, and means for guiding a cable relative to the drum including, a guide bar carried by the frame parallel with the drum, a sleeve slidable on the bar, a yoke carrying the sleeve, a roller in the yoke and rotatable on the sleeve, a pair of arms, means pivotally connecting the arms to the yoke, and means slidably pivotally connecting the arms with the frame at the ends of the drum including clamps for connection to parts stationary with the frame, spindles rotatably supported by the clamps, and sleeves carried by the spindles to slidably carry the arms.

2,385,940

AMINO-METHYLENE DERIVATIVES OF SALICYLAMIDE AND PROCESS THEREOF

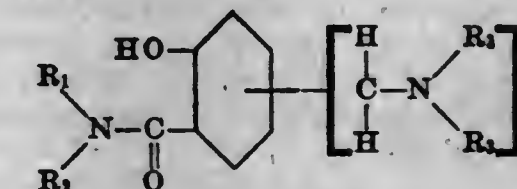
Donald Price, New York, N. Y., and Rolston Lyman Bond, Cranford, N. J., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application July 15, 1943,

Serial No. 494,854

9 Claims. (Cl. 260-559)

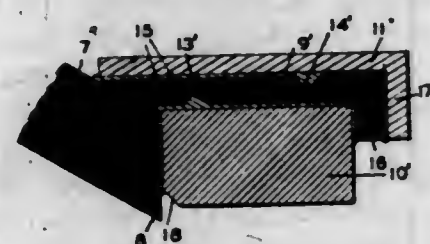
6. A water-repellency imparting agent for textiles comprising substance chosen from the group consisting of salts and phenates of compounds having the general formula:



wherein R_1 represents an alkyl radicle containing from 12 to 22 carbon atoms; R_2 represents a substituent chosen from the group consisting of hydrogen and alkyl radicles containing from 12 to 22 carbon atoms; R_3 in each occurrence, and independently of any other occurrence, represents an alkyl radicle containing up to 4 carbon atoms; and n represents a whole number from 1 to 2.

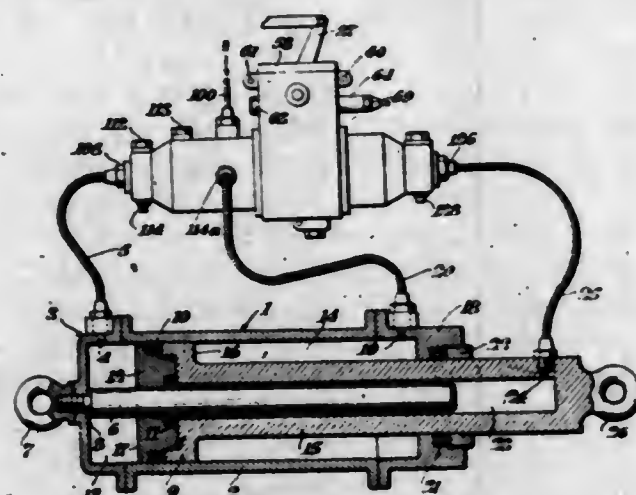
2,385,941 SEAL

Noel S. Reynolds, St. Louis, Mo.
Application April 3, 1943, Serial No. 481,724
12 Claims. (Cl. 288-3)



1. In a seal construction having a flexible web of yieldable material provided with an integral sealing lip and an integral portion provided with a cylindrical surface adjacent the lip, a relatively rigid thrust member associated with the cylindrical surface and the lip and of such diameter that the lip extends beyond its thrust surface, and means for attaching the thrust member to the extension and comprising a recess in the cylindrical surface and thermo-setting bonding material filling the recess and being bonded to the surface thereof and the surface of the thrust member.

2,385,942
TRAVEL CONTROL VALVE SYSTEM
Edward A. Rockwell, West Hartford, Conn.
Application June 13, 1941, Serial No. 397,897
23 Claims. (Cl. 121-41)

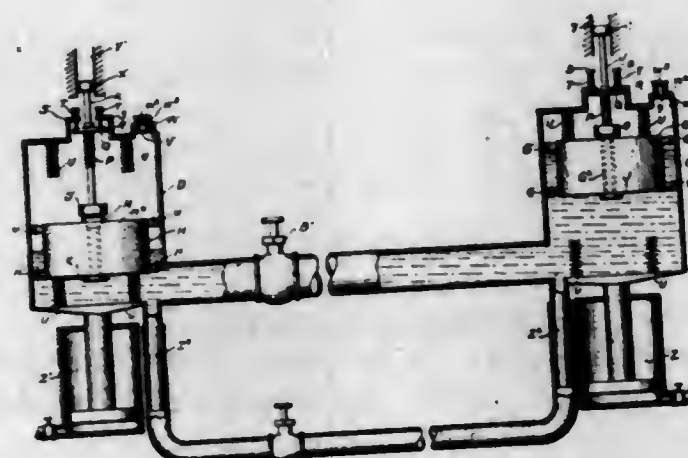


19. A liquid power booster comprising, means for applying a pressure liquid thereto, a movable control means, including a cylinder, a plunger and a valve member, for controlling the application of power thereto, so as to produce a volume displacement of the pressure liquid according to the movement applied to the control means, a first servo device adapted to be controlled to accord with said displacement of the pressure liquid and to accord with the pressure exerted to move the control means, another servo device connected to the first servo device adapted to be controlled merely by the pressure of the pressure liquid applied in the power booster, and means, connected to said plunger, controlled by the movement of the control means for thus controlling the application of pressure liquid to said other servo device.

2,385,943
APPARATUS FOR PRODUCING POWER
Bernard Leo Rosenstengel, Brisbane, Queensland, Australia
Application April 21, 1942, Serial No. 439,873
In Australia August 4, 1941
5 Claims. (Cl. 253-5)

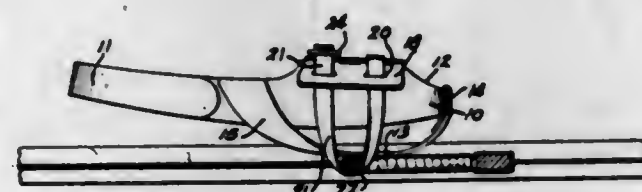
1. A device for transforming the rolling and pitching of a vessel into useful work, said device

comprising means forming a pair of closed chambers located at a distance apart in said vessel, a pipe interconnecting said chambers at their lower ends, whereby said chambers when half filled with liquid are in liquid connection with each other, a separate float in each chamber, a separate axial rod connected with each float, and a separate gland in each chamber through which the rod passes, separate means in each chamber for guiding and cushioning the float situated therein, comprising rollers for maintaining parallel movement of the floats with the walls of the



chambers, each of said floats having an axial passage and a semi-spherical cavity formed therein, said passage leading into said cavity, each of said rods being loosely accommodated in a separate cavity, a separate semi-spherical member secured to each rod and snugly accommodated in a separate cavity, and a separate disc connected to each rod at the lower end thereof beneath the float to compensate for slight loss of parallelism, whereby on a movement of the vessel causing liquid in the system alternately to rise and fall in said chambers, said rods are reciprocated.

2,385,944
SNOWSHOE SLIPPER
Ernest C. Ruecker, Marquette, Mich.
Application April 16, 1945, Serial No. 588,441
8 Claims. (Cl. 36-4.5)

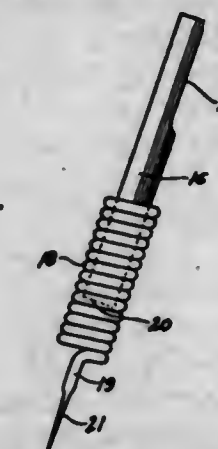


1. An open-bottomed slipper-like attachment for snowshoes composed of resilient rubber and having a tread plate loosely suspended from the toe and ankle enclosing portions of the slipper by resiliently yielding bands, said slipper having a reinforced instep portion provided with a substantially unyielding flexible strap for securing it to the fulcrum bar of a snowshoe.

2,385,945
STYLUS
Francis W. Schmidt, Chicago, Ill.
Application January 4, 1943, Serial No. 471,230
2 Claims. (Cl. 274-38)

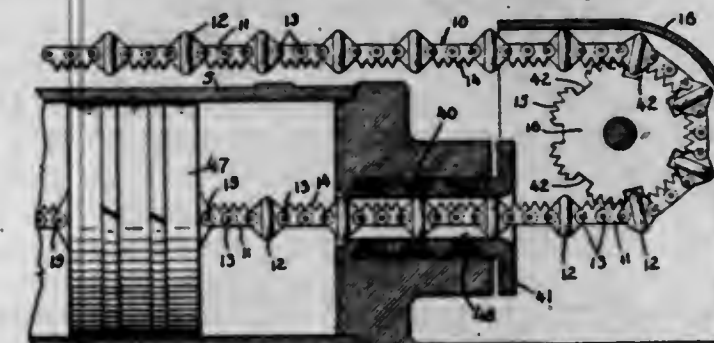
1. A stylus for reproducing recordings from a grooved record, a stiff shank for connection to a reproducer, a helically wound body fixed to said shank, and a pointed element extending from said body to track in a record groove, said body

being resilient and extending beyond the outer end of said shank, the portion of said body be-



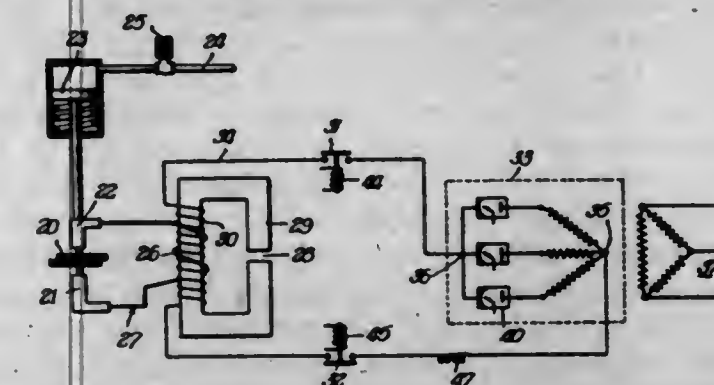
yond the shank being movable relatively to the portion on the shank and the shank.

2,385,946
FEEDING MECHANISM
Otto J. Schorer, Northampton, Mass., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application July 30, 1942, Serial No. 452,923
4 Claims. (Cl. 121-9)



1. In a feeding mechanism for percussive tools, the combination of a stuffing box having a bore, a flexible movement effecting element extending through and movable axially of said bore, sealing discs carried by said element for co-axial movement through said bore, said discs having peripheral faces sealingly engageable with the wall face of said bore, and the discs being spaced one from the other distances less than the axial length of said bore to maintain at least one of the discs in sealing relationship with the wall face of the bore in any position of said element.

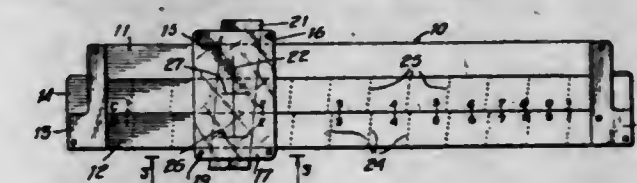
2,385,947
METHOD AND APPARATUS FOR RESISTANCE WELDING
David Selaky, Chicago, Ill., assignor to Welding Research, Inc., Chicago, Ill., a corporation of Illinois
Application August 4, 1943, Serial No. 497,329
12 Claims. (Cl. 219-4)



12. A method of electric resistance welding whereby a balanced load is drawn from a poly-phase alternating supply of conventional sixty cycle current, which consists in rectifying said alternating supply current to direct current, applying impulses of said direct current intermit-

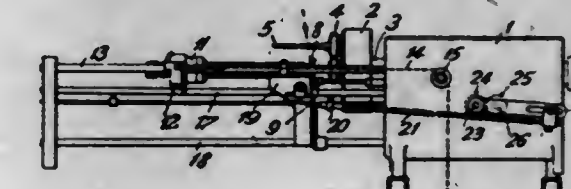
tently to the primary winding of a welding transformer, whereby said impulses of direct current induce in the secondary circuit of the welding transformer an alternating current having a frequency equal to that of the direct current impulses, causing the alternating current in the secondary circuit to flow through the workpiece in a manner to weld the same, and in applying said direct current impulses to the primary winding of the welding transformer at a rate ranging from less than 1 to 20 per second, whereby the induced alternating current in the secondary circuit has a relatively low frequency.

2,385,948
SLIDE RULE
Theodore J. Setera, Maspeth, Long Island, N. Y., assignor of one-half to Jacob Gillman, Jamaica, N. Y.
Application April 10, 1941, Serial No. 387,791
13 Claims. (Cl. 235-70)



1. In a computing instrument having fixed and movable scales, an indicator mounted on and movable relatively to said scales, said indicator including a member mounted for diagonal movement with respect to the path of movement of the indicator on the scales, said member having a marking movable longitudinally of the scales in the diagonal movement of said member, other markings on said instrument arranged transversely of the scales representing sub-divisions of adjacent scale markings, and said member having another mark movable transversely of the scales and with respect to the last named markings in indicating sub-divisions between predetermined successive scale marks.

2,385,949
WINDING MACHINE FOR PRODUCING TUBULAR COPS
Walter Siegenthaler, Erlenbach, near Zurich, Switzerland, assignor to Maschinenfabrik Schärer, Erlenbach, Zurich, Switzerland
Application August 31, 1944, Serial No. 552,059
In Switzerland August 31, 1943
9 Claims. (Cl. 242-34)



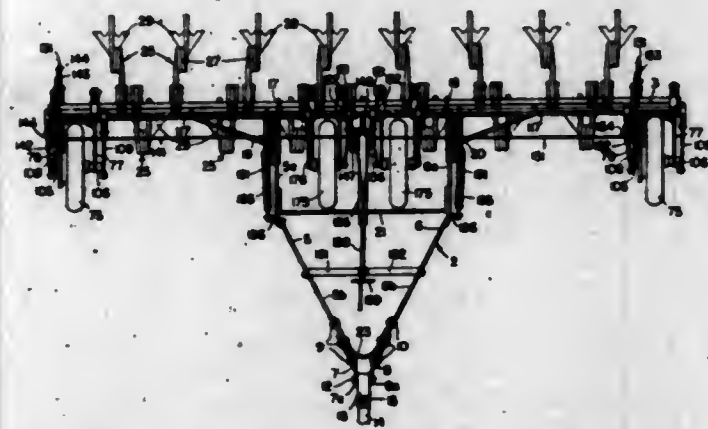
1. In a winding machine for producing tubular cops, a working position for winding tubular cops in said machine, a feedable member carrying several winding spindles revolvably arranged for intermittently conveying said winding spindles individually to said working position on being correspondingly rotatively fed, a press member stationarily arranged for advancing the tubular cop winding being wound at said working position commensurate with its growth on the respective winding spindle, a counter holder displaceably arranged in opposition to said working position for bearing against the front end of said tubular cop winding, and a thread catch pro-

vided on said counter holder for catching the thread extending to the completely wound tubular cop as said cop automatically discharges from said working position, and passing over said thread to the winding spindle next arriving at said working position.

2,385,950

CULTIVATOR

Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application March 28, 1942, Serial No. 436,708
16 Claims. (Cl. 97-73)

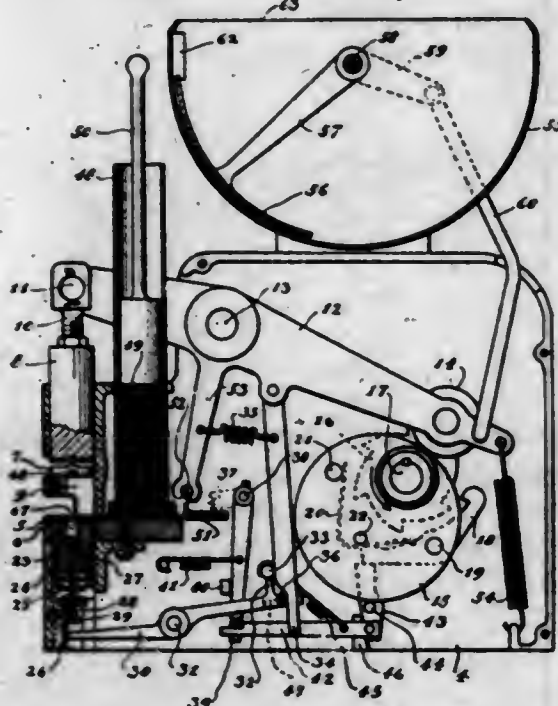


1. An agricultural machine comprising a relatively wide frame, tool means thereon, a pair of gauge wheels adjustably connected with said frame, one at each side of the longitudinal center line of said frame, a separate pair of lifting wheels connected with said frame for movement between working and transport position, one of said lifting wheels being disposed at each side of the longitudinal center line of said frame, means for simultaneously adjusting all of said wheels at each side of the longitudinal axis of said frame to vary the operating position of said tool means, and means acting against only said lifting wheels for raising said frame.

2,385,951

SEALING MACHINE

William Stelzer, Detroit, Mich., assignor, by mesne assignments, to Stoffel Seals Company, Incorporated, New York, N. Y., a corporation of New York
Application March 24, 1942, Serial No. 435,959
6 Claims. (Cl. 81-9.1)



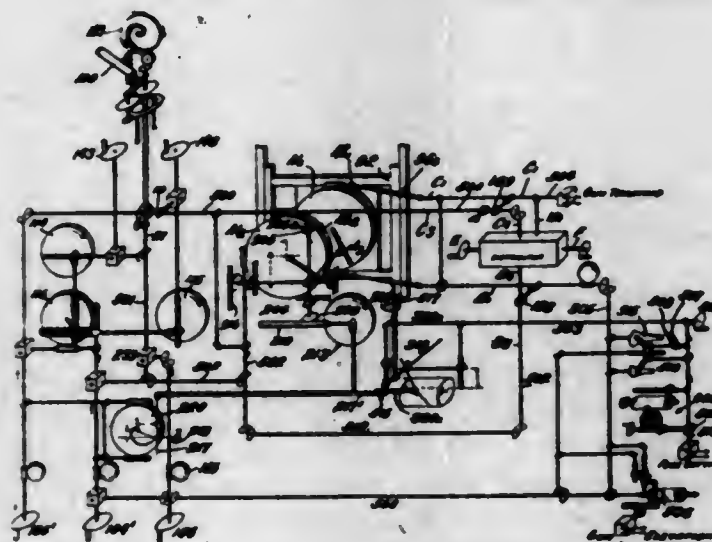
1. An automatic machine for affixing the cup and disc of a seal to a string placed in said machine, said cup having diametrically opposed slots in its rim to accommodate said string, comprising a crimping die and a cooperating punch adapted

to crimp the rim of said cup over said disc, means for reciprocating said punch, means for feeding said disc to a position on said crimping die, a hopper adapted to contain a supply of cups, a feed member arranged in said hopper having an inclined pick-up edge to raise cups to a position from where they may roll towards said affixing die, means for operating said feed member, an inclined railway leading from said hopper to said affixing die to direct cups raised by said pick-up edge into said affixing die, said hopper being positioned at a higher level than said affixing die, said railway comprising rails to guide said cups, and having an inclined portion which is also inclined laterally to urge said cups rolling downwardly into a laterally oblique position to fall into engagement with one of said rails when said slots are lined up therewith during the rolling motion, whereby said cups slide to said affixing die by force of their own weight in the desired position.

2,385,952

FIRE DIRECTOR APPARATUS FOR ANTI-AIRCRAFT GUNS

Antonin Svoboda, Forest Hills, N. Y.
Application May 23, 1941, Serial No. 394,954
In France May 23, 1940
19 Claims. (Cl. 235-61.5)



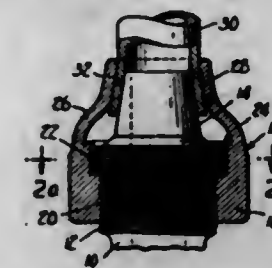
1. In a fire director system of the type having a predicted-azimuth shaft driven by a differential in which are added the turning of an azimuth-difference shaft and a present-azimuth shaft connected to a sight, a predicted-ground-range shaft driven from a differential in which are added the turning of a range-difference shaft and a present-ground-range shaft controlled by an elevation shaft connected to a sight and an altitude shaft, a device for transforming polar coordinates into rectangular coordinates connected to the present-azimuth shaft and the present-ground-range shaft, a similar transformer connected to the predicted-azimuth shaft and the predicted-ground-range shaft, and means operated by the first transformer device, the altitude shaft and the predicted-ground-range shaft for calculating predicted rectangular-coordinate differences: the improvement which consists in the combination of a connection between the sight and the elevation shaft to make the turning of the elevation shaft proportional to the logarithm of the cotangent of the elevation angle which it gives to the sight, means for turning the altitude shaft in proportion to the logarithm of the altitude shown by the altimeter, a differential connecting the elevation shaft and the altitude shaft to the present-ground-range shaft so that it is turned in proportion to the logarithm of the present ground range, discs in each of the transformers having equiangular spiral tracks and connected respectively to the present-ground-range

shaft and the predicted-ground-range shaft, a computing device for computing the w coordinate of the logarithm of the p coordinate of a point from mutually independent functions of its two rectangular coordinates, said computing device having its outputs connected to the azimuth-difference shaft and to the range-difference shaft, and manually-operable actuators connected to the inputs of the computing device.

2,385,953

SELF-LOCKING COUPLING NUT

Klas Arent Swanstrom, Union, N. J., assignor to Elastic Stop Nut Corporation, Union, N. J., a corporation of New Jersey
Application February 12, 1942, Serial No. 430,549
7 Claims. (Cl. 285-86)

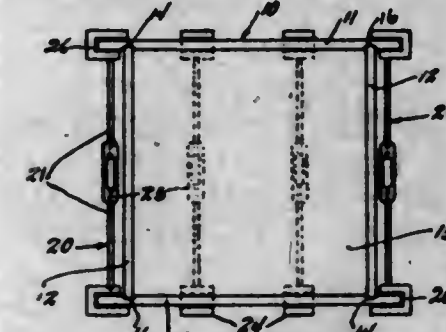


1. As a new article of manufacture, a coupling nut comprising a metal body including a main body portion having a threaded bore, an annular locking element clamped in said body against axial and turning displacement at one end of said bore by metal displaced from said nut body, and a clamping extension formed by metal of the nut body extending beyond said clamping element and shaped to provide an internal clamping surface of predetermined configuration.

2,385,954

GLASS TANK

Milton S. Tarnopol, Brackenridge, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County Pa., a corporation of Pennsylvania
Application May 30, 1944, Serial No. 538,031
2 Claims. (Cl. 206-2)

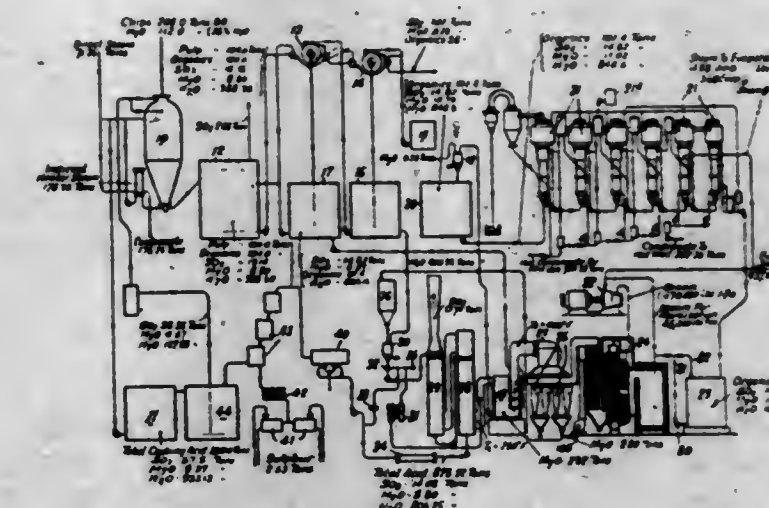
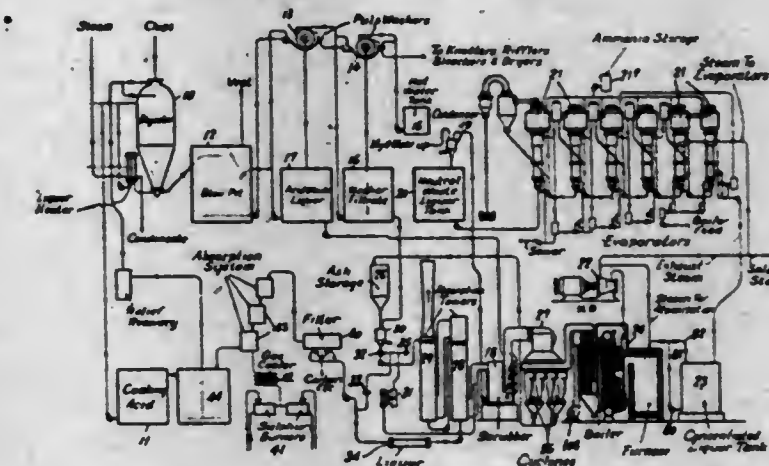


1. In a corrosion resisting tank, opposite plate glass side walls, opposite plate glass end walls, and a plate glass bottom, the several glass plates at their junction with one another having inter-fitting groove and edge connections, sealing material at the junction of the groove and edge connections to produce fluid-tight joints, pairs of metal U-clamps fitting around edge portions of the plates along the sides and bottom of the tank, clamps of each pair being disposed in opposed relation on opposite walls of the tank, yieldable cushioning material disposed in each clamp between the inner surface thereof and the surface of the glass plate on which it is mounted to insulate metal clamping material from the glass, and a tie rod including a turnbuckle connecting the inner sides of clamps of each pair inwardly of the adjacent glass edges and holding the glass plates in assembled relation with the groove fitting edges thereof pressed in fluid-tight relation in their receiving grooves.

2,385,955

MANUFACTURE OF SULPHITE PULP

George H. Tomlinson, Westmount, Quebec, Canada
Application April 8, 1941, Serial No. 387,474
13 Claims. (Cl. 23-131)



1. The method of treating the residual liquor resulting from the digestion of cellulosic fibrous material in a relatively pure magnesium base sulphite cooking liquor and separation from the pulp in a pulp washing system which comprises concentrating the liquor by evaporation, burning the combustible organic constituents of the concentrated liquor in a furnace chamber in suspension therein under temperature conditions and for an interval sufficiently brief to obtain a dry ash having a high percentage of caustic magnesia and combustion gases containing a low percentage of sulphur dioxide and substantially all of the ash in suspension therein, separating ash from the combustion gases, then passing unconcentrated liquor into intimate contact with the combustion gases for the recovery of additional ash from the gases and partial evaporation and neutralization of the unconcentrated liquor, completing the neutralization of the partially neutralized and evaporated liquor by the addition of caustic magnesia thereto prior to further evaporation thereof, mixing recovered ash with pulp washer filtrate to form an alkaline aqueous suspension, and passing the ash suspension through a gas absorption chamber in contact with the combustion gases to recover sulphur dioxide.

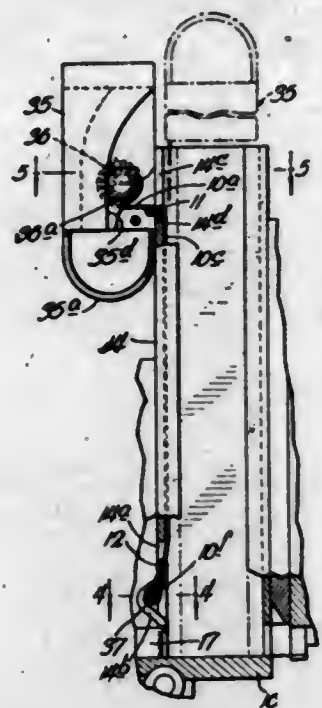
2,385,956

DISPENSING DEVICE

James N. Wognum, Chicago, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application January 30, 1942, Serial No. 428,829
5 Claims. (Cl. 312-68)

1. In combination, an open mouth receptacle having a dispensing opening therein and adapted to contain a plurality of stacked articles, a member adapted to engage the endmost one of said articles in said receptacle, and a normally coiled spring connected to said receptacle and to said

member arranged to press said member against said article engaged thereby to force said articles toward said opening, said spring having a hinge

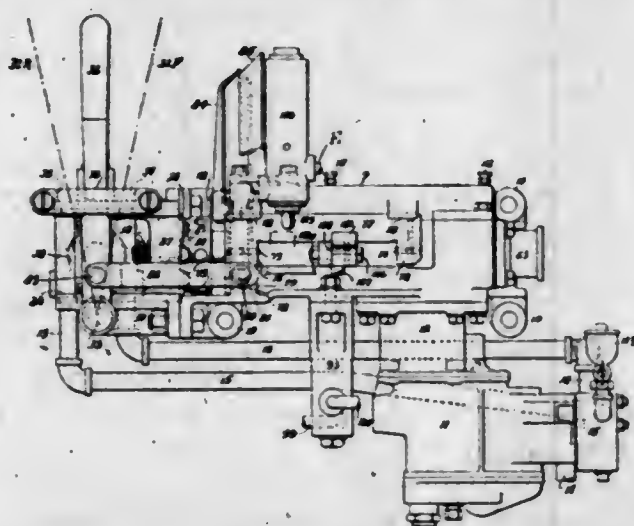


connection therein adapted to be located at the edge of said mouth when said spring is partially uncoiled and the coiled portion thereof removed from said receptacle.

2,385,957

LOCOMOTIVE POWER REVERSE GEAR

William E. Woodard, Forest Hills, N. Y.; Phebe H. Woodard executrix of said William E. Woodard, deceased, assignor to Phebe H. Woodard, individually
Application August 1, 1940, Serial No. 349,162
12 Claims. (Cl. 105-48)



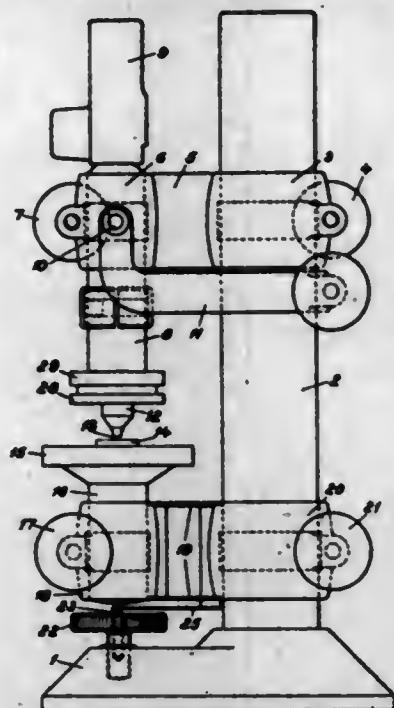
2. In a locomotive power reverse gear having a reversing shaft, a fluid motor for adjusting the same and a manual control for reversing said motor, a fluid line to the motor, means accessible to the engineman in the cab and movable at will, under normal operating conditions, from one to another of a plurality of selective control positions to alter the fluid flow to the motor whereby to provide different motor speeds for a given position of said manual control, and adjustment means for effecting predetermined fixed adjustments of the fluid flow for at least one of said selective control positions.

5. Locomotive reverse gear equipment including a reversing shaft, engine drifting control means, a cut-off indicator, and operating connections between the reversing shaft and said control means and between the reversing shaft and said indicator, said connections being constructed and arranged to render said control means effective at the mid-region of the range of operation of the cut-off indicator.

2,385,958

HARDNESS MEASURING APPARATUS

Ragnar Woxén, Lidö, Sweden, assignor to Aktiebolaget C. E. Johansson, Eskilstuna, Sweden, a company of Sweden
Application September 15, 1943, Serial No. 502,467
In Sweden October 7, 1942
5 Claims. (Cl. 73-83)

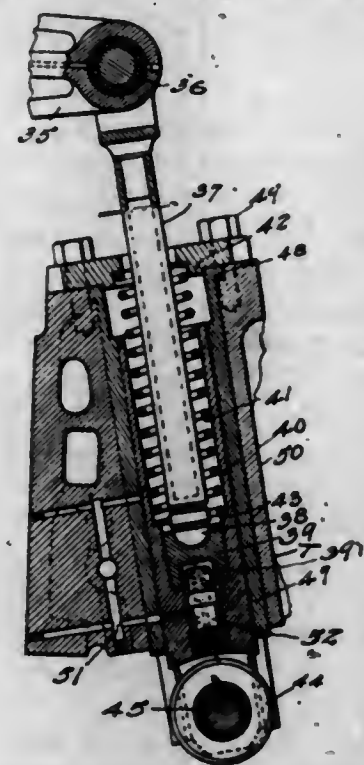


1. A hardness measuring apparatus, comprising in combination a frame, a measuring instrument supported in said frame, a penetrator connected to said measuring instrument and serving to be pressed into the surface of a body the hardness of which is to be measured, a member connected to said penetrator and serving to support weights for loading said penetrator, a table serving to support the body the hardness of which is to be measured, two spaced parallel flat springs supporting and guiding said table and attached to said frame in such manner that by deflection of said springs said table may be moved towards and away from said penetrator, an adjustment screw screw-threaded in said frame and adjustable in the direction of movement of said table towards and away from said penetrator, and a rod interposed between said adjustment screw and said table.

2,385,959

VALVE OPERATING MECHANISM

Frank B. Yingling, Hamilton, Ohio
Application June 13, 1941, Serial No. 397,958
4 Claims. (Cl. 123-90)



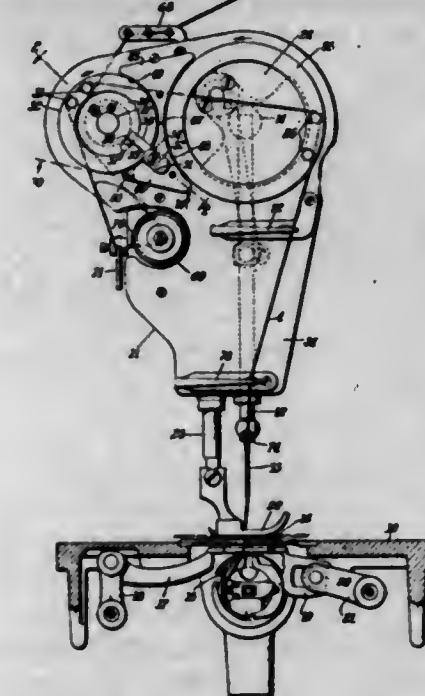
1. In a valve operating mechanism, the combination with a fixed guide barrel, a spring-de-

pressed tubular plunger open at its upper end and closed at its lower end and reciprocable in the guide, and means for intermittently lifting the plunger, of a spring-returned push-rod extending into the plunger, a block having an upper bearing-recess for the push rod, an open bottom oil-chamber and mounted in the lower end of the plunger, a check-valve unit also mounted in the lower end of the plunger and projecting into said oil chamber, and means for supplying fluid under pressure to said unit, whereby oil under pressure enters said chamber when the plunger is depressed with relation to the block.

2,385,960

ROTARY TAKE-UP MECHANISM FOR SEWING MACHINES

Sydney Zonis, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application April 11, 1944, Serial No. 530,466
13 Claims. (Cl. 112-248)



1. In a sewing machine, in combination, a rotary thread-engaging take-up element, a thread-confining guard-ring disposed at one side of and rotatable with said take-up element; a thread-guide disposed to direct the thread to said take-up element in substantially the plane of rotation of said element, and means rendered effective upon abnormal engagement of the thread by said take-up element for deflecting the thread laterally across the outer peripheral edge and upon the side of said guard-ring opposite the take-up element side thereof.

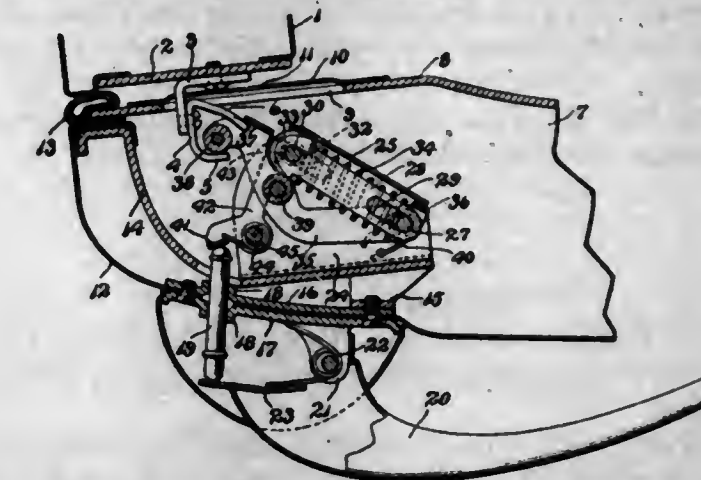
2,385,961

LATCH

Lloyd L. Anderson, Grand Rapids, Mich., assignor to Winters & Crampton Corporation, Grandville, Mich., a corporation of Michigan
Application October 18, 1944, Serial No. 559,186
8 Claims. (Cl. 292-332)

3. A latch structure comprising, a support having spaced apart connected sides and a third side connecting the spaced sides at one of their edges, said third side being located at an acute angle to the length of the spaced sides and said spaced sides adjacent one end thereof and a short distance from said third side, each having a slot therein generally paralleling said third side, a rod mounted on and extending between said spaced sides adjacent the opposite ends thereof, a second rod extending between said spaced sides and at its end portions adapted to traverse said slots, rollers on said second rod riding against the inner

side of the third side of said housing, spring means normally acting on said second mentioned rod to move it in one direction to the outer end of said slots, a latch bolt pivotally mounted at one end adjacent the inner ends of the spaced sides of the housing and located therebetween, said

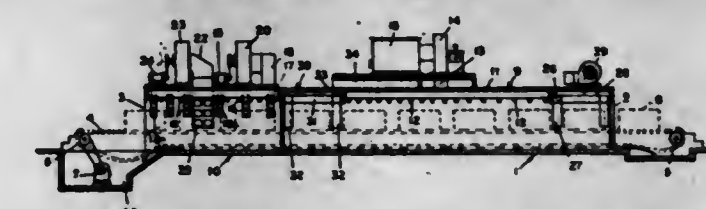


latch bolt being generally in the form of a bent lever having two sections lying at an angle to each other, and abutment means carried by said latch bolt between its ends bearing against said rollers, said latch bolt extending beyond said abutment means and the rollers and at its free end having keeper engaging means.

2,385,962

METHOD OF AND APPARATUS FOR CONDITIONING MOLDS AND THE LIKE

Charles A. Barnett, Shaker Heights, Ohio, assignor to The Foundry Equipment Company, Cleveland, Ohio, a corporation of Ohio
Application August 23, 1941, Serial No. 408,063
7 Claims. (Cl. 34-13)

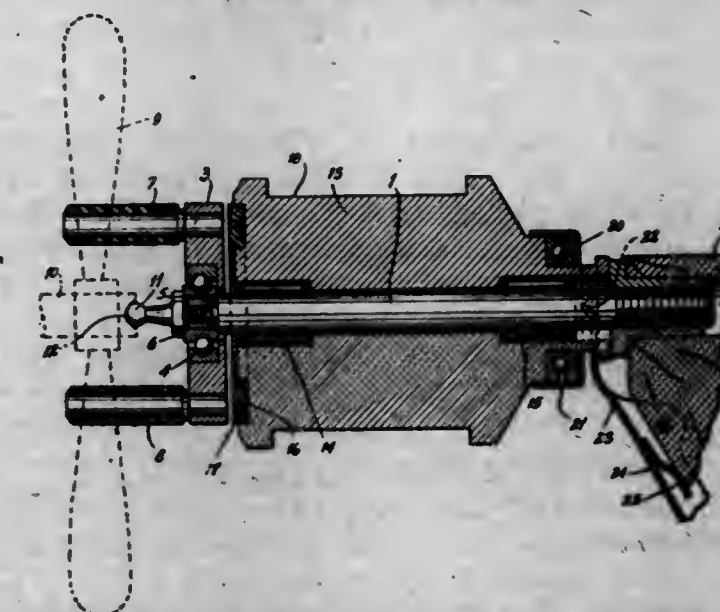


7. The method of conditioning sand molds and the like having mold flasks and mold forming surfaces, which comprises first subjecting such surfaces only of the mold to a forcibly projected stream of heating and drying medium impinging against such surfaces, and then subjecting both such surfaces and the mold flask to a forcibly projected stream of cooling medium impinging against such surfaces and against the mold flasks.

2,385,963

ENGINE STARTER

James A. Beard, St. Louis County, Mo.
Application May 8, 1944, Serial No. 534,585
15 Claims. (Cl. 123-179)



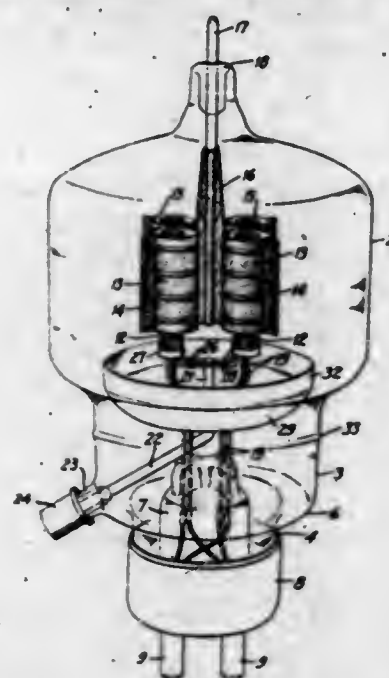
1. A portable engine starter comprising two rotatable members, means for mounting the

2,385,972

ELECTRONIC TUBE

William W. Eitel, San Bruno, and Jack A. McCullough, Millbrae, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California

Application October 2, 1942, Serial No. 460,722
10 Claims. (Cl. 250-27.5)



1. An electronic tube comprising an envelope having a stem, a plurality of anodes and associated grids and cathodes in the envelope, an anode lead sealed to the envelope, means unitarily supporting the anodes on said lead, a grid lead sealed to the envelope at a point spaced from said stem, means unitarily supporting the grids on said grid lead, and leads for the cathodes sealed to said stem.

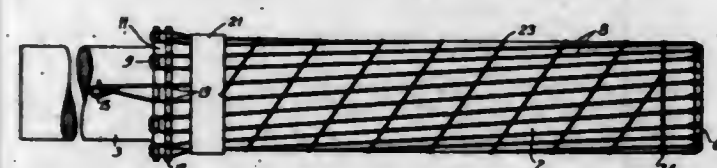
2,385,973

APPARATUS FOR MAKING GRIDS

William W. Eitel, San Bruno, and Jack A. McCullough, Millbrae, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California

Original application August 24, 1942, Serial No. 456,126, now Patent No. 2,359,514, dated October 3, 1944. Divided and this application March 29, 1943, Serial No. 481,045

1 Claim. (Cl. 140-92.1)



A mandrel for making a cage-type wire grid, comprising a core along which the wire may be laid to form longitudinal bars of the grid, wire receiving slots at one end of said core spacing the bars circumferentially about the core, and wire engaging pegs arranged in an annular row remote from said end for holding the bars away from the surface of the core, whereby the bars diverge outwardly from said end toward the pegs.

2,385,974

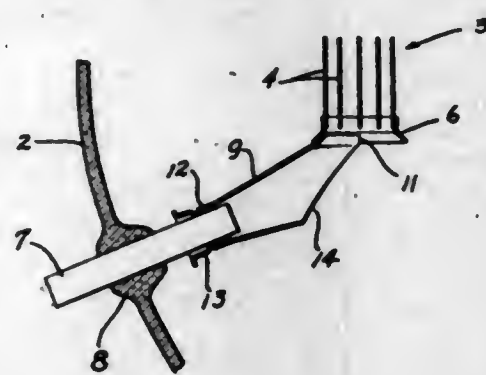
ELECTRON TUBE STRUCTURE

William W. Eitel, Woodside, and Jack A. McCullough, Millbrae, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California

Application March 11, 1944, Serial No. 526,058
2 Claims. (Cl. 250-27.5)

1. An electron tube structure comprising an envelope, an electrode disposed about a vertical axis

in the envelope, a ring on the lower end of the electrode, a lead projecting into the envelope, and a conoidal supporting bracket having an axis angularly disposed to the axis of said electrode with



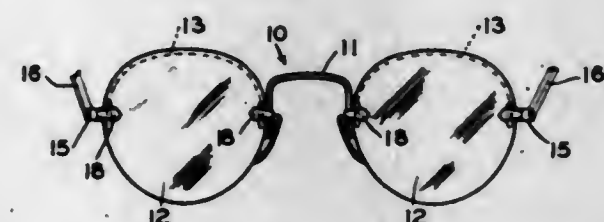
its converging end secured to the inner end of the lead and its diverging end positioned under the electrode, the diverging end portions of said bracket terminating in an upstanding arcuate flange secured to said ring.

2,385,975

OPHTHALMIC MOUNTING

Gerhard A. Ellestad, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application January 13, 1944, Serial No. 518,065
3 Claims. (Cl. 88-47)



1. An ophthalmic mounting comprising a bridge; a lens having openings at the nasal and temporal edge portions thereof; a resilient arm secured to the bridge and extending from the nasal portion to the temporal portion of the lens, said arm extending along the upper peripheral portion of the lens and lying in a plane spaced rearwardly of the lens; lugs extending forwardly from the end portions of said arm, said lugs respectively engaging the walls of said openings and being held therein by the resilience of said arm, said openings being larger than the cross-section of the lugs; a strap mounted forwardly of each lug and resilient means carried by each end portion of the arm for urging the lens forwardly against said straps, said means comprising a leaf spring having only upper and lower spaced contacts with the rear surface of the lens whereby the lens may be rocked back and forth.

2,385,976

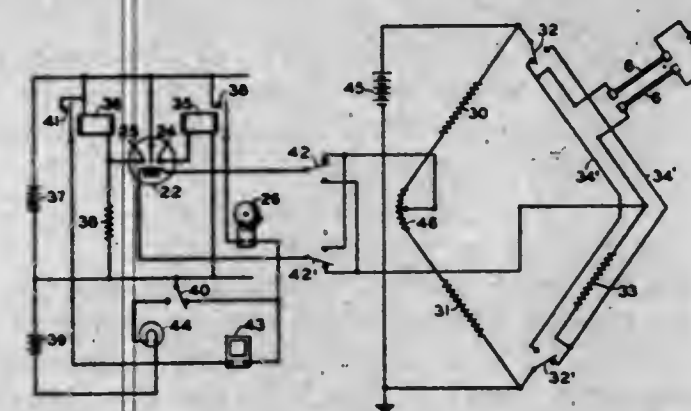
FIRE-DETECTING SYSTEM

Francis C. Evans, Dongan Hills, and Khatchik O. Donelian, New York, N. Y., assignors to American District Telegraph Company, Jersey City, N. J., a corporation of New Jersey

Application March 6, 1940, Serial No. 322,590
3 Claims. (Cl. 177-355)

3. In a signaling system, a source of potential, a Wheatstone bridge circuit connected across said source and including a pair of flame detecting electrodes in one arm thereof defining a gap the air at which is normally non-conductive, and a galvanometer relay across said bridge and an alarm relay connected to the galvanometer relay

whereby unbalance of the bridge by the occurrence substantially solely of flame ionization of

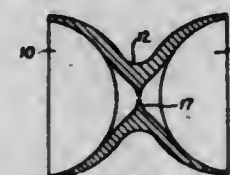


2,385,977

MULTIPLE TYPE VACUUM CUPS

Horace V. Farmer, Sault Ste. Marie, Ontario, Canada

Application October 15, 1943, Serial No. 506,434
1 Claim. (Cl. 248-206)



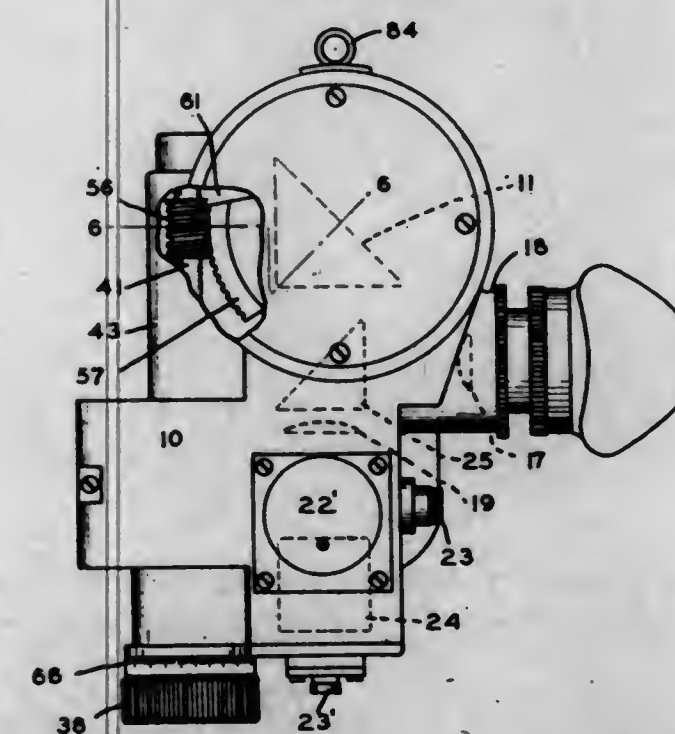
A holding device comprising a pair of suction cups, and a central portion connecting the cups together, said central portion having a longitudinal passage therethrough establishing communication between said cups, said passage having an intermediate partition provided with slits to allow air to gradually pass from one cup to the other when the cups are pressed together.

2,385,978

OPTICAL INSTRUMENT

Edward F. Flint, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application October 17, 1942, Serial No. 462,379
3 Claims. (Cl. 88-2.4)



1. In a sextant, a reflector pivotally mounted to move about a horizontal axis; objective lens means positioned below said reflector, the axis of said objective lens means lying in a vertical plane whereby light rays from a distant object may be

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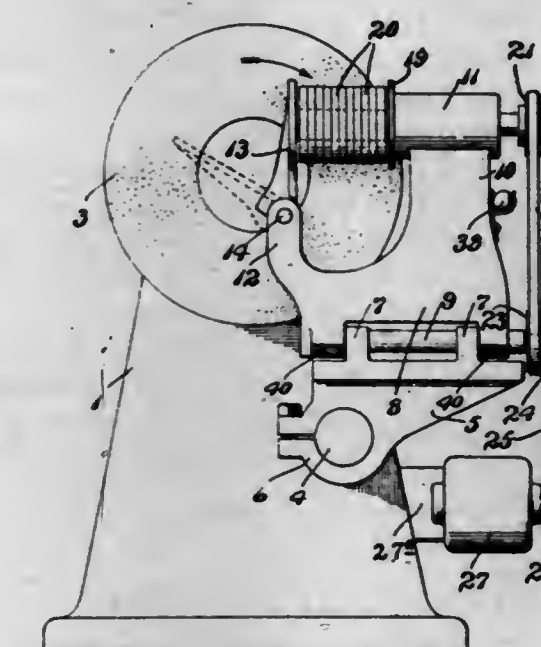
directed into said lens means by the reflector; a bubble cell having a bubble constrained to move in an arc substantially coincident with the focal plane of said lens means; an eyepiece including an ocular tube, said objective lens means and eyepiece forming an astronomical telescope; reflecting means positioned in optical alignment with said lens means for directing light rays therefrom laterally and thence upwardly through said cell; other reflecting means above the cell for directing the rays laterally and through the ocular tube, the axis of the ocular tube lying in a vertical plane which is spaced from the first-named vertical plane whereby the image of the distant object which is viewed through the ocular tube is normal and erect.

2,385,979

PISTON RING GRINDER

Rudolph F. Flora, Muskegon, Mich., assignor to The Clover Foundry Company, Muskegon, Mich., a corporation of Michigan

Application September 16, 1942, Serial No. 458,482
5 Claims. (Cl. 51-129)



1. In a grinding machine, a driven grinding wheel, a rotatably mounted arbor over which a plurality of ring castings are placed, said arbor being of less diameter than the interior diameter of the castings, said arbor having a free end and a shoulder between its ends against which the first ring casting placed on the arbor is adapted to engage, a movably mounted member on which said arbor is rotatably mounted, means for moving said member and arbor toward a side of the grinding wheel to bring the ring castings into grinding engagement with the side thereof of the axis of the arbor substantially paralleling a diameter of the grinding wheel and spaced a distance from said diameter and means for causing said arbor to be positively and continuously driven on movement of the arbor and castings to such position, in the same direction as the grinding wheel but at less speed.

2,385,980

AMUSEMENT DEVICE

John Fostos, Burlingame, Calif.

Application February 6, 1943, Serial No. 474,987
2 Claims. (Cl. 273-144)

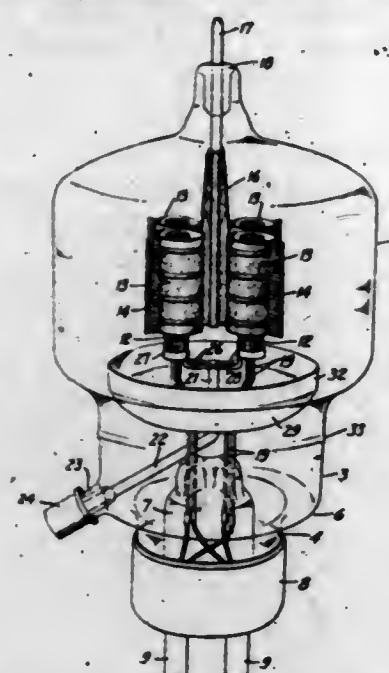
1. An amusement device comprising a swirl chamber adapted to hold a quantity of balls,

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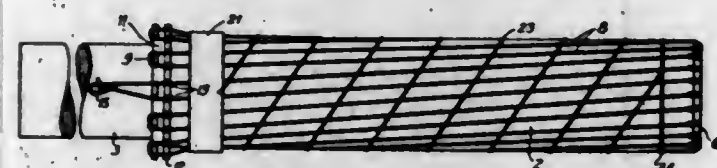
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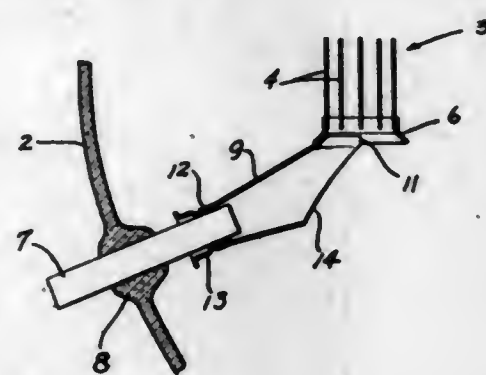
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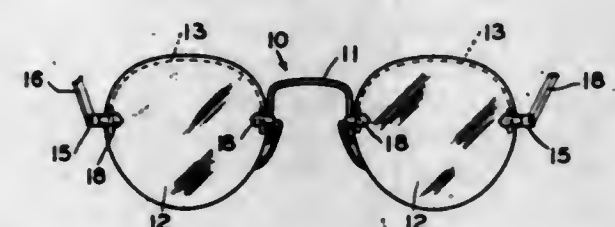
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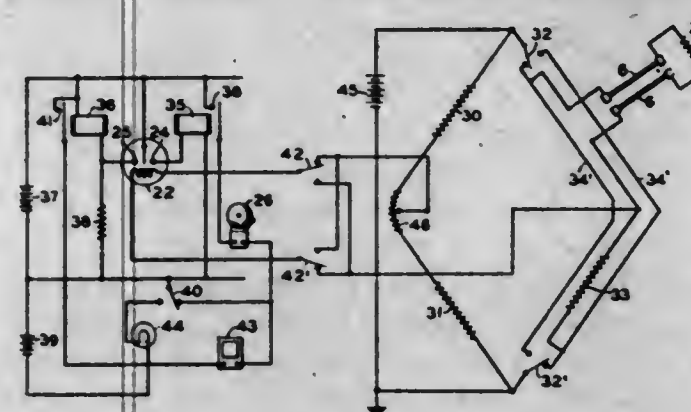
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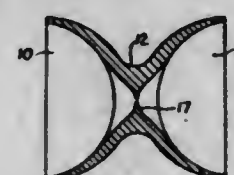
the air between the electrodes causes deflection of the galvanometer relay.

2,385,977

MULTIPLE TYPE VACUUM CUPS

Horace V. Farmer, Sault Ste. Marie, Ontario, Canada

Application October 15, 1943, Serial No. 506,434
1 Claim. (Cl. 248-206)



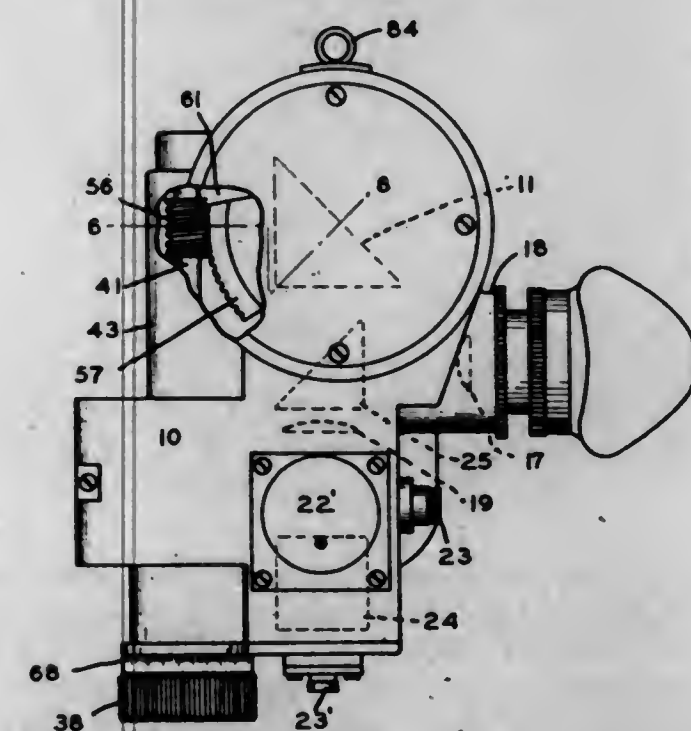
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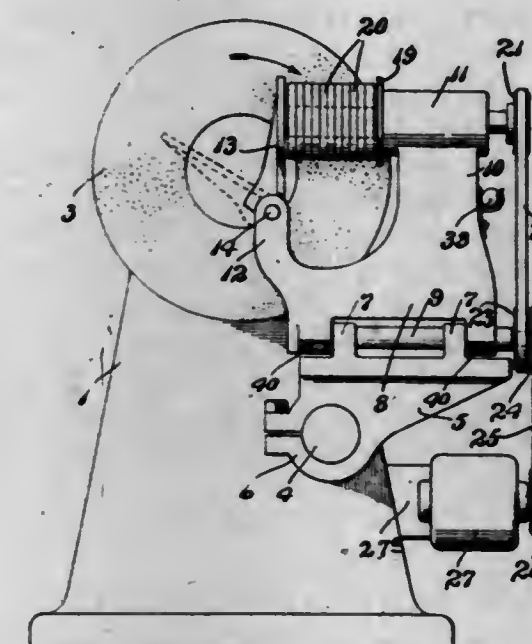
directed into said lens means by the reflector; a bubble cell having a bubble constrained to move in an arc substantially coincident with the focal plane of said lens means; an eyepiece including an ocular tube, said objective lens means and eyepiece forming an astronomical telescope; reflecting means positioned in optical alignment with said lens means for directing light rays therefrom laterally and thence upwardly through said cell; other reflecting means above the cell for directing the rays laterally and through the ocular tube, the axis of the ocular tube lying in a vertical plane which is spaced from the first-named vertical plane whereby the image of the distant object which is viewed through the ocular tube is normal and erect.

2,385,979

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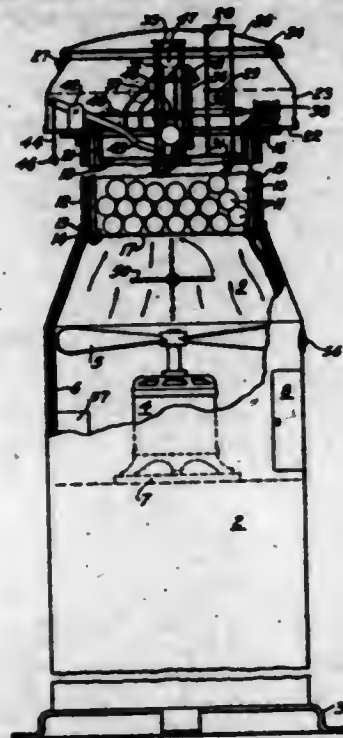
AMUSEMENT DEVICE

John Postos, Burlingame, Calif.

Application February 6, 1943, Serial No. 474,987
2 Claims. (Cl. 273-144)

1. An amusement device comprising a swirl chamber adapted to hold a quantity of balls,

means for causing a blast of air through the chamber to toss the balls about, and a pivotally



mounted baffle plate for modifying the air currents entering the swirl chamber.

2,385,981

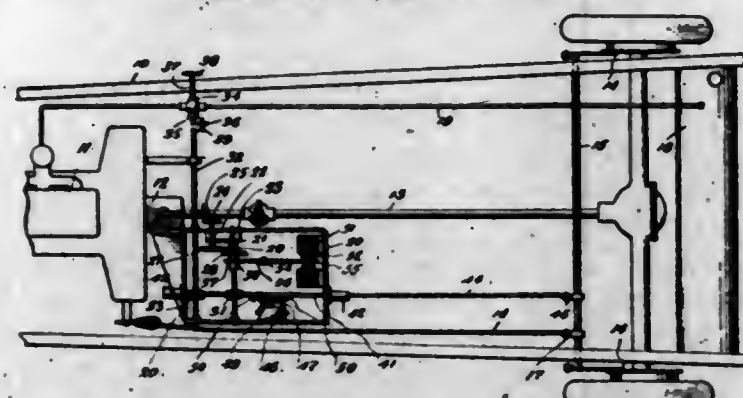
SEPARATION OF ORGANIC COMPOUNDS
Bernard S. Friedman, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 29, 1943, Serial No. 512,238

12 Claims. (Cl. 196—13)

1. A process for separating a mixture of organic compounds of different degrees of saturation which comprises treating said mixture under conditions to form an extract phase and a raffinate phase with a solvent comprising an alkyl sulfonamide containing the NH_2 group.

2,385,982

AUTOMOBILE CONTROL
George M. Gary, San Diego, Calif.
Application September 29, 1943, Serial No. 504,323
4 Claims. (Cl. 180—82)

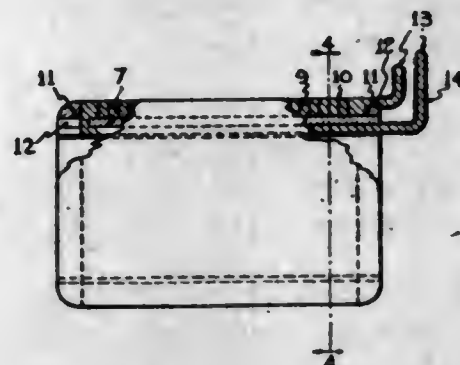


1. In a motor vehicle having brakes, a drive shaft, a fuel line valve and a steering wheel; a safety control mechanism comprising a gear operatively connected with the drive shaft, a power shaft, a gear keyed to and slidable on the power shaft for operative connection with the first gear, a reciprocable brake actuator, a continuous driving connection between said shaft and said actuator, means for effecting the closing of said valve, a continuous driving connection between said means and the power shaft, an electrical shifting means operatively connected with said sliding gear for effecting the movement of the sliding gear into connection with the adjacent first mentioned gear, control means carried by the steering wheel for governing the energization of said electrical shifting means, said electrical shifting means including an electrical ele-

ment which when energized functions to effect the disconnection of said gears, a reversing switch controlling the flow of electric current to said electrical means, and means actuated by said power shaft for operating said control switch to effect the flow of current alternately to the electrical shifting means whereby the power shaft will be intermittently operated.

2,385,983

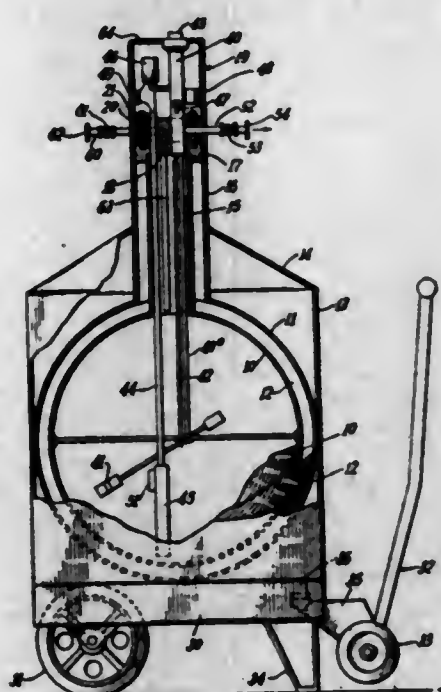
ELECTRIC INDUCTION FURNACE
Merle H. Hanes, Wood River, Ill., assignor to Olin Industries, Inc., a corporation of Delaware
Application April 27, 1942, Serial No. 440,641
1 Claim. (Cl. 175—362)



In an electric induction furnace, a transformer primary comprising an insulating cylinder, a single layer of helical turns of a flat conductor thereon, and a continuous glass-fiber tape disposed edgewise to the said cylinder between the turns and spacing said turns apart, whereby said tape is held in place by compression at least partly due to said turns tending to spring together.

2,385,984

METHOD AND APPARATUS FOR DISTRIBUTING LIQUEFIED GASES
Odd A. Hansen, Kenmore, and Peter M. Riede, Buffalo, N. Y., assignors to The Linde Air Products Company, New York, N. Y.
Application December 6, 1941, Serial No. 421,902
9 Claims. (Cl. 62—1)

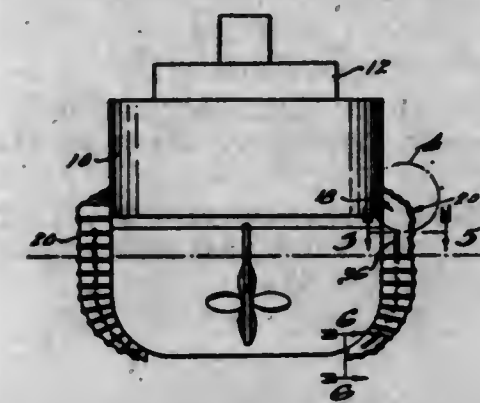


1. A portable apparatus for containing liquefied gases and for generating and supplying gas under pressure directly therefrom, comprising an insulated pressure container, a mobile support therefor forming a unitary part of said apparatus, an electrical heating means in said container for conveying heat to the liquid to gasify same as desired for industrial use, a controlling device for said electrical heating means responsive to the pressure in said container for maintaining a predetermined pressure therein, a thermostatic de-

vice exposed to the temperature within said container and adapted to control said heating means to prevent an excessive temperature, and valved supply and withdrawal connections for said container.

2,385,985

SHIP
George R. Harrison, Detroit, Mich.
Application April 13, 1944, Serial No. 530,832
4 Claims. (Cl. 114—240)



1. A ship's hull having a chamber extending along each side thereof over the major proportion of the length thereof and extending from a point above the water line thereof to a point adjacent the bottom thereof, said chambers being sealed against the escape of fluid therefrom except adjacent the lower edges thereof and being in open communication with the water adjacent such lower edges, and a longitudinally extending wall in the lower part of each said chamber intermediate the inner and outer walls thereof and fixed with respect thereto.

2,385,986

FISHING LURE
John Helfenstein, Minneapolis, Minn.
Application June 13, 1944, Serial No. 540,036
6 Claims. (Cl. 43—39)



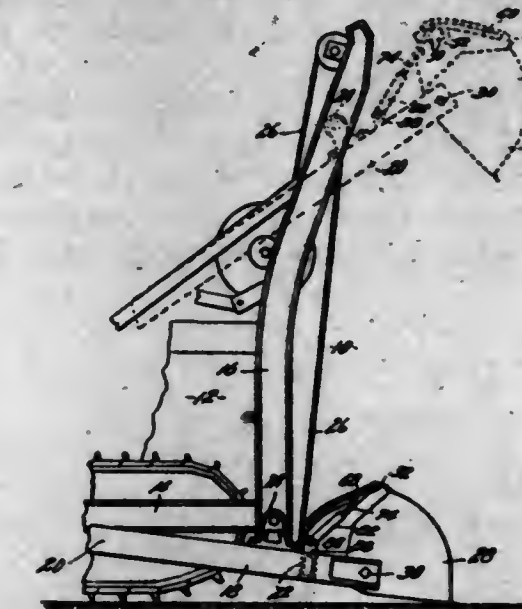
1. A fishing lure, comprising a body adapted to have a line attached thereto, a hook member mounted upon one side of the body, a weed deflector supported upon the said one side of the body for movement relative thereto and normally arranged with the point of said hook between the deflector and the said one side of the body, and an operative coupling between the weed deflector and the hook which is so constructed and arranged that upon oscillation of the weed deflector toward the said one side of the body the point of the hook will be extended to the side of the weed deflector remote from the said one side of the body.

2,385,987

BUCKET SHOCK ABSORBER FOR LOADING DEVICES
Albert R. Henry, Salina, Kans.
Application January 8, 1945, Serial No. 571,861
6 Claims. (Cl. 214—146)

1. A dump bucket pivotally mounted for tilting between two boom arms joined by a cross bar disposed adjacent the rear of said bucket; latching means, including a vertically slotted bracket, operable to normally secure said bucket

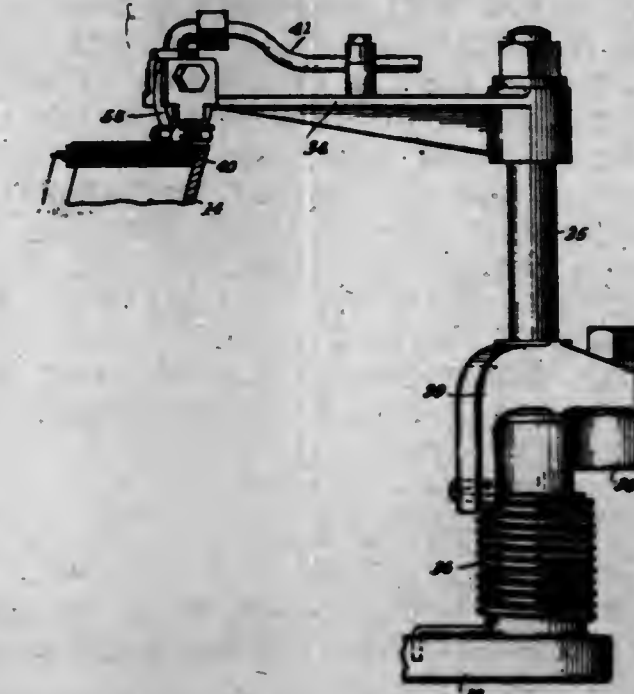
in the raised position; a U-shaped member having extensible arms pivoted to said cross bar and having its cross body portion slidably mounted in the slot of said bracket and its arm extremities



pivoted to said cross bar; and a compression spring mounted on each of said extensible arms to resist extension thereof whereby when said bucket is dumped, said bracket will be moved to extend said arms and to compress said springs.

2,385,988

FEEDING DEVICE
Moses D. Heyman, Cedarhurst, N. Y., assignor of one-half to Irene K. Heyman, Cedarhurst, N. Y.
Application October 1, 1942, Serial No. 460,459
7 Claims. (Cl. 271—31)



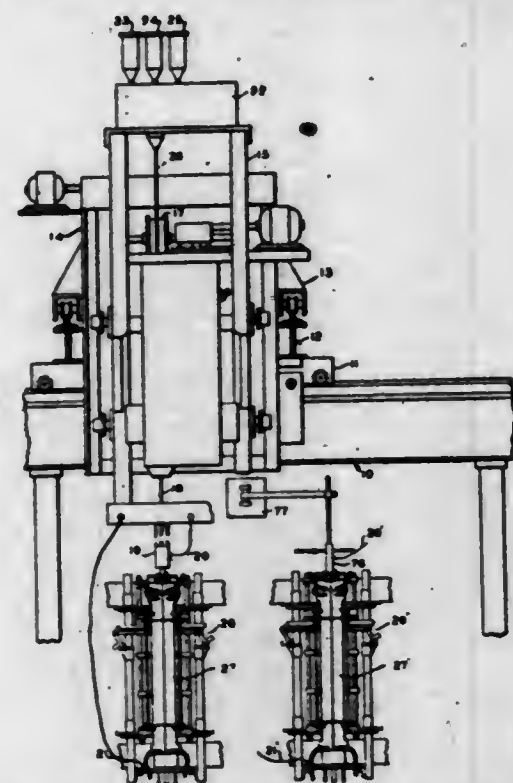
1. In a feeding device having a movable stack-of-articles support and means for moving said support, means for removing the outmost article of said stack, a member having engagement with the top of the stack, means including said member for controlling the movement of said support, and means carried by said article removing means for engaging said member to cause the same to operate the support moving controlling means.

2,385,989

APPARATUS FOR PRODUCING METAL BODIES
Robert K. Hopkins, New York, N. Y., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
Application July 22, 1942, Serial No. 451,879
15 Claims. (Cl. 22—90)

1. A mold arrangement including a mold body element and a mold top element, said body ele-

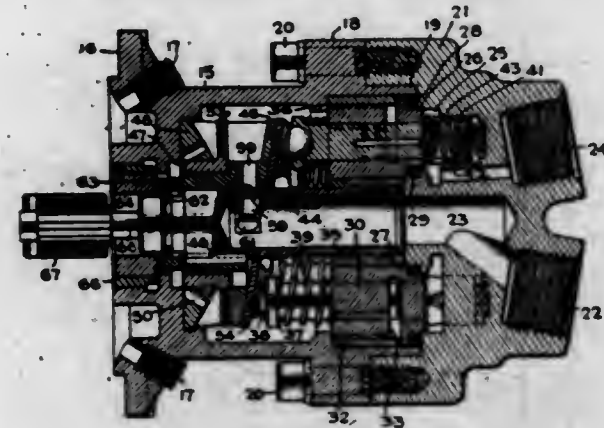
ment being made up of complementary halves adapted to meet in a vertical plane to form the body portion of the mold cavity, each of said halves having an inner wall, an outer wall spaced from said inner wall, and means uniting said walls and enclosing the space between them to provide a jacket for the circulation of a heat exchange medium, said top element being positioned on said body element and being made up of complementary halves adapted to meet in said vertical plane to form the top portion of the mold cavity, each of said halves of said top ele-



ment having an inner wall, an outer wall spaced from said inner wall and means uniting said walls and enclosing the space between them to provide a jacket for the circulation of the heat exchange medium, said inner walls of the halves of said top element being so shaped that the top portion of the mold cavity approximates an hour-glass in shape, means supporting the halves of said body element and the halves of said top element for movement into and out of mold cavity forming position, said halves of said top element being independently movable, and means for locking said halves in mold forming position.

2,385,990 PUMP

Matthew W. Huber, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application October 13, 1943, Serial No. 506,091
6 Claims. (Cl. 103—5)

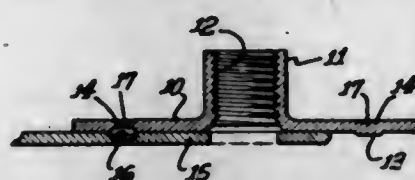


1. The combination of a pump housing having inlet and discharge connections; a rotary drive shaft, mounted in said housing, projecting at one end therefrom, and having a counterbore at its inner end, in communication with said inlet connection; means forming a plurality of cylinders arranged in circular series around said

shaft within the housing; plungers reciprocable in said cylinders; valves controlling flow from the cylinders to the discharge connection; means including a swash plate turning with said shaft within the housing and arranged to reciprocate said plungers; means controlling flow from the interior of said housing around said swash plate to said cylinders; and impelling means formed as a part of the swash plate and adapted to draw liquid through said inlet and shaft and discharge it into the space around the swash plate within the housing.

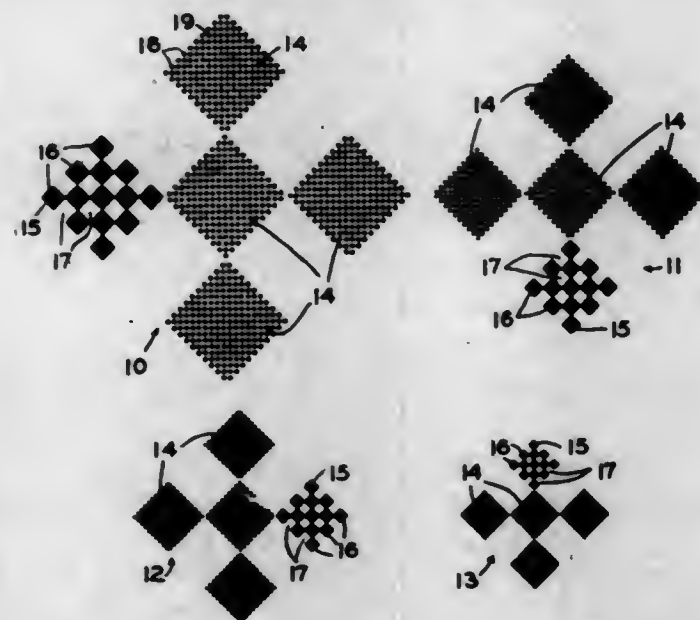
2,385,991 ANCHOR NUT

Russell C. Huntoon, San Diego, Calif., assignor to Solar Aircraft Company, a corporation of California
Original application September 14, 1943, Serial No. 502,248. Divided and this application May 9, 1944, Serial No. 534,727
2 Claims. (Cl. 85—32)



1. An anchor nut for projection-welded connection to a metal body, said nut comprising a body portion having a threaded bore for the reception of a threaded securing member to be held by the nut, an anchoring flange projecting laterally from the base of the body portion of the nut, said flange having a first indentation in its outer face, and a welding projection on its inner face, formed by material projected from the inner face by the formation of said first indentation, said first indentation being too shallow relative to its width to function as a drill-centering recess, and a second indentation within said first indentation and centered with respect thereto, said second indentation being of sufficiently small area relative to said first indentation to accurately locate the center thereof and being of such depth as to remain after the welding operation.

2,385,992
VISUAL ACUITY TESTING MEANS
Frederick W. Jobe, Brighton, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application May 27, 1944, Serial No. 537,577
8 Claims. (Cl. 88—20)

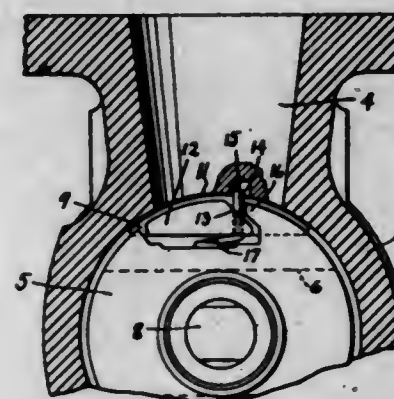


1. A device for determining visual acuity comprising means providing a plurality of targets

graded with respect to size, each target comprising at least one critical area and at least one non-critical area, said areas having substantially the same form and size, the critical area comprising spaced critical details for testing visual acuity, the critical and non-critical areas having substantially the same subjective tone whereby they are visually indistinguishable except when the critical details are resolvable.

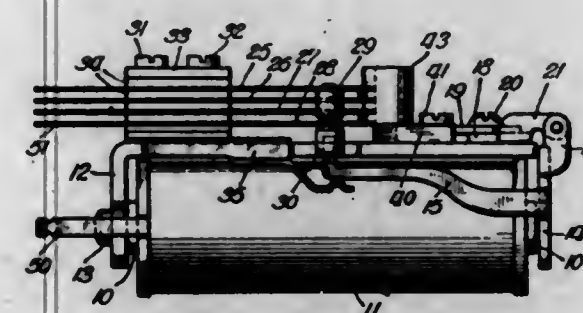
2,385,993 VALVE

Charles F. Johnson, Whittier, Calif., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application October 27, 1944, Serial No. 560,561
4 Claims. (Cl. 251—102)



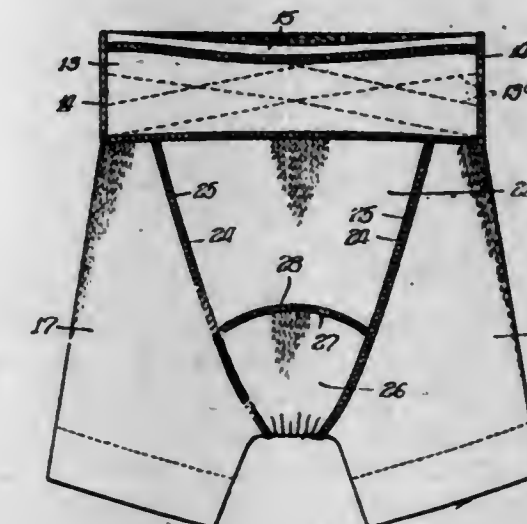
1. A valve comprising a valve body having a cylindrical chamber therein and ports communicating with said chamber, a carrier rotatably mounted in said chamber co-axially thereof, segmental closure members positioned in said chamber for circumferential movement to and from positions to close said ports and for radial movement away from the wall of said chamber, co-operating means on the closure members and carrier for retracting the closure members radially, and displacing the same, a projection carried by each closure member and adapted to ride on the inner surface of said cylindrical chamber, and said inner surface having a recess formed therein and disposed in the path of travel of each projection, said recess being positioned to register with and receive said projection when the closure member is in port closing position.

2,385,994
RELAY
Arthur J. Johnston, Park Ridge, Ill., assignor to C. P. Clare & Co., Chicago, Ill., a corporation of Illinois
Application November 26, 1943, Serial No. 511,815
9 Claims. (Cl. 200—104)



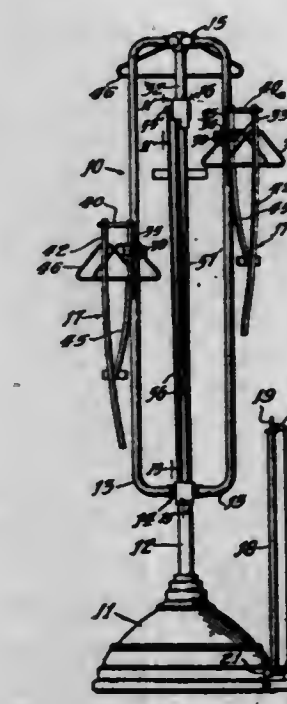
1. In a relay, a contact spring, a second contact spring adapted to engage said first contact spring to close an electrical circuit, and a resilient member pressing against the edge of said first contact spring to prevent a momentary opening of said circuit by vibration of said first spring when the same is engaged by said second spring.

2,385,995
UNDERGARMENT
Arthur R. Kneibler, Kenosha, Wis., assignor to Cooper's, Incorporated, Kenosha, Wis., a corporation of Wisconsin
Original application June 23, 1938, Serial No. 215,093, now Patent No. 2,264,384, dated December 2, 1941. Divided and this application August 16, 1941, Serial No. 407,126
3 Claims. (Cl. 2—224)



1. An undergarment, comprising a front upper section extending from the upper edge portion of the garment downwardly sufficiently to cover the abdomen of the wearer, and which is composed of relatively strong elastic material adapted to support the abdomen of the wearer, a back waist band section of relatively inelastic fabric, and a body portion depending from said upper front and back waist band sections and consisting of front, back, side, and crotch sections of laterally stretchable knitted material.

2,385,996
GARMENT BAG RACK AND BAGGER
William R. Kohl, Glenview, Ill.
Application April 25, 1941, Serial No. 390,299
8 Claims. (Cl. 226—18)

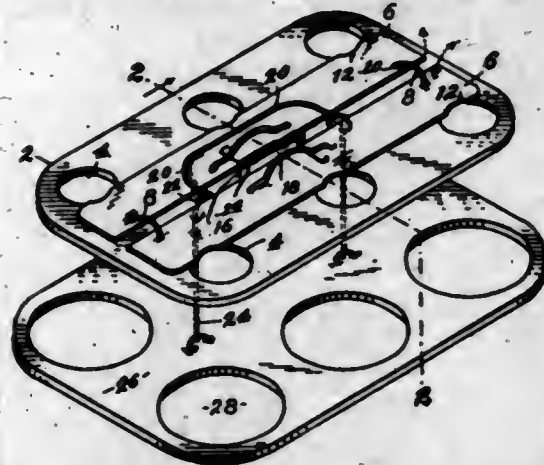


1. A garment bag rack including a base, a tubular standard supported thereon, revolvable wing members supported by the standard, each wing member carrying a bag supporting device comprising a stud adapted to support a plurality of bags, and means consisting of opposed tensional cooperating members pendant from said studs to resiliently act upon the bags and maintain them as a unit.

2,385,997

BOTTLE CARRIER

Herbert Leggett and Zeno J. Pucci, Kansas City, Mo.; said Leggett assignor to said Pucci
Application March 27, 1944, Serial No. 528,295
1 Claim. (Cl. 294—37)

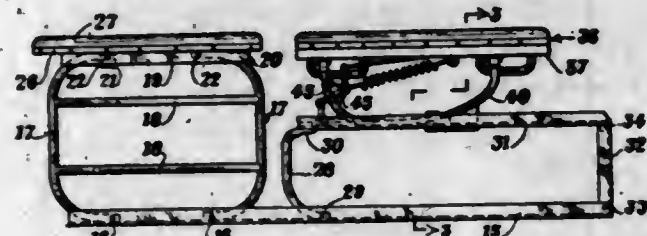


A bottle carrier comprising a supporting element having a plurality of apertures for passage of the heads of an equal number of bottles, means for locking the bottles in position in the supporting element, a rectangular spacing member arranged below the supporting element and provided with openings equal in number to the apertures in the supporting element, said openings being in axial alignment with the afore-mentioned apertures to receive and retain the bodies of the bottles in spaced relation to each other, and flexible means connecting the spacing member to the supporting element so that the former may be placed against the underside of the latter when not in use.

2,385,998

STRETCHING TABLE

Clifford Miles Martin, Denver, Colo.
Application February 27, 1945, Serial No. 579,919
6 Claims. (Cl. 128—72)



1. A stretching device comprising, in combination, an elongated frame, a shoulder support table at one end thereof, two spaced parallel rocker support members extending inwardly from the other end, two spaced, parallel rockers resting on the rocker supports, a rocker table resting on the rockers and connected therewith for relative longitudinal movement, and means for moving the rocker table relative to the rockers in the direction of the upwardly moving end whenever the table is tilted.

2,385,999

EXPANDING REAMER

Hugh E. McCallion, Roseville, Mich.
Application November 18, 1944, Serial No. 564,043
7 Claims. (Cl. 77—75)



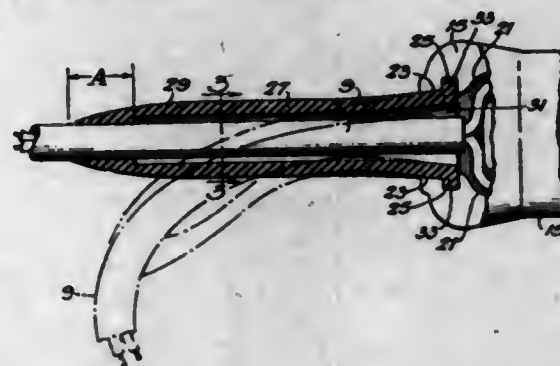
1. An expanding reamer having a central member threaded on its main portion with the threads

toward one end opposite to those toward the other end, and having end portions also threaded with the threads of each said end portion opposite to the threads on the adjacent main portion, blade expanding rings threaded on the main portions, blades seated thereon, and blade supporting wedge members between said blades, said wedge members being adjustably held by the rings threaded on the end portions.

2,386,000

MOLDED STRAIN RELIEF

Dwight D. McQuiston, Richmond, Ind., assignor to Belden Manufacturing Company, a corporation of Illinois
Application June 27, 1941, Serial No. 399,997
2 Claims. (Cl. 173—322)



2. In combination, an electrical appliance, a flexible, insulated, conductor cord electrically connected to the terminals of said appliance, a thin walled, bell-shaped, sleeve member of resilient material molded onto said cord, the thickness and proportions of said sleeve member being such that said member is transversely flexible but is only slightly extensible longitudinally, the inwardly flaring end of said bell-shaped sleeve member being attached to said cord and the passageway within the remainder of said sleeve member being of substantially greater cross sectional area than said cord to permit free relative movement between the unattached portion of said sleeve and said cord, the outwardly flaring open end of said bell-shaped sleeve member and said appliance having interengageable parts whereby said sleeve may be mechanically connected to said appliance to provide a resilient strain relief and reinforcement for said cord.

2,386,001

SYRINGE

Frank S. Parrigin, Louisville, Ky.
Application July 26, 1943, Serial No. 496,197
1 Claim. (Cl. 128—241)

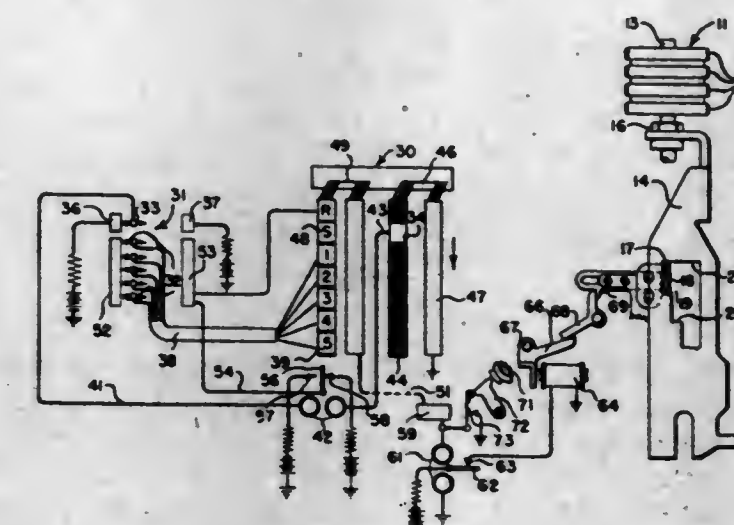


In a device of the character described, an elongated, hollow nozzle provided with a head having discharge openings therein, an enlarged portion adjacent the base of said nozzle having a plurality of slots therein, a liquid escape guard body

2,386,004

TELEGRAPH SYSTEM

Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Original application October 20, 1941, Serial No. 415,694. Divided and this application June 30, 1943, Serial No. 492,913
16 Claims. (Cl. 178—53.1)



15. In a system of telegraph communication, the method of operation which comprises the steps of transmitting signals composed of a fixed number of time intervals, transmitting in said signals various permutations of current and no-current, varying the polarity of the current in different signals, and making a record in accordance to the permutations of current and no-current and also according to the polarity.

2,386,005

SELF-LEVELING CASTER

Clyde N. Raup, Catawissa, Pa.
Application August 15, 1944, Serial No. 549,604
5 Claims. (Cl. 16—44)



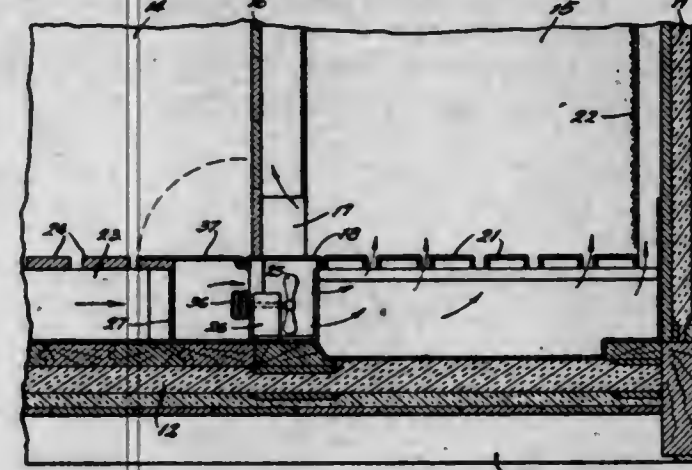
1. A caster comprising a frame adapted to be mounted under an article to be supported and having spaced forks, a roller between said forks, an axle for said roller having aligned pintles at its opposite sides rotatably engaged through openings in the forks, said pintles being eccentric to the axle and a bore being formed through the axle concentric with the pintles, a lug carried by the pintle at one end of said axle, a stop carried by the fork through which the said pintle passes for engagement by said lug for limiting rotation of the axle, a helical spring in the bore of said axle having one end anchored to said lug, an arm at the other end of said spring extending radially therefrom, the adjacent fork being formed with a series of openings in an arcuate path, and the outer end portion of said arm being bent to form an inwardly extending finger engaged in a selected one of the openings to regulate tension of the spring.

having a groove therein adjacent said enlarged portion of said nozzle, a relatively rigid fitting comprised of a pair of concentric tubular portions secured to the guard body, said inner tubular portion extending beyond said guard body into said enlarged portion of said nozzle and engaging in the hollow portion of said nozzle, said inner tubular portion being provided at its further end with an elbow and a portion extending through the wall of the outer tubular portion, a nipple on the outer end of said inner tubular portion, said outer tubular portion terminating in a second nipple, whereby said inner portion and said hollow nozzle form an inlet, and said slots and said outer tubular portion form an outlet.

2,386,002

AIR CIRCULATING MEANS FOR REFRIGERATOR CARS

Arthur F. O'Connor, Chicago, Ill., assignor to Union Asbestos & Rubber Company, a corporation of Illinois
Application December 13, 1943, Serial No. 514,025
10 Claims. (Cl. 62—24)

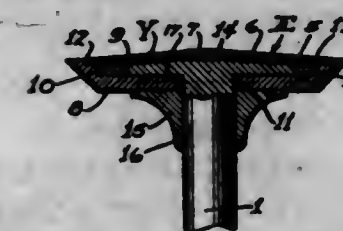


1. In a refrigerator car having a bulkhead dividing the car into a lading compartment and an ice compartment, air circulating means comprising a beam extending transversely across the car adjacent the bulkhead and spaced above the floor of the car, a series of fans mounted between the beam and the floor of the car to circulate air through the lading and ice compartments, movable vane means adjacent the fans normally held in a position to open the space between the fans and movable to a position to close the space between the fans, and means operable when the fans are in operation to move the vane means to the last named position.

2,386,003

COMPENSATING POPPET VALVE

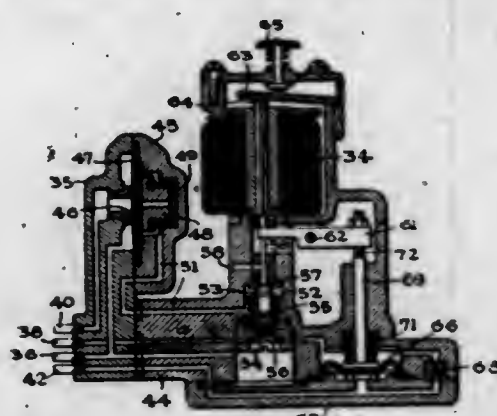
Wesley E. Peck, Sacramento, Calif.
Application October 28, 1943, Serial No. 508,015
8 Claims. (Cl. 123—188)



1. A poppet valve having a stem with a flanged end, a head having a cap covering the top of the flanged end, the head having a depression for receiving the flanged end so that the head can move laterally with respect to the stem in any direction, said cap being welded to the head for conducting heat to the head rather than to the stem, and means carried by the stem for maintaining the axis of the head parallel with the stem axis at all times.

2,386,006
SANDER

Lewis A. Safford, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application September 9, 1943, Serial No. 501,687
4 Claims. (Cl. 291-3)



4. The combination of a sand trap; a fluid pressure actuated valve controlling the supply of compressed air to the sand trap; a pilot valve of the admission and exhaust type controlling the pressure which actuates the supply valve; means biasing the pilot valve to a position in which it causes the supply valve to close; and two motor means each operable independently of the other to react in thrust upon said pilot valve to shift the valve against said bias, one thereof comprising an electromotive winding suited for inclusion in a train circuit with a shiftable armature for delivering said thrust reaction, the other comprising a pneumatic impulse motor having timing means to terminate its action and including a pressure operated movable abutment and connections for delivering the thrust of said abutment to said pilot valve.

2,386,007

PRODUCTION OF AROMATIC KETONES
Louis Schmerling and Vladimir N. Ipatieff, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application March 14, 1941, Serial No. 383,363
15 Claims. (Cl. 260-591)

1. A process for producing an aromatic ketone which comprises subjecting an aromatic hydrocarbon to contact with a carboxylic acid chloride in the presence of a catalyst formed by compositing zinc chloride and a carrier.

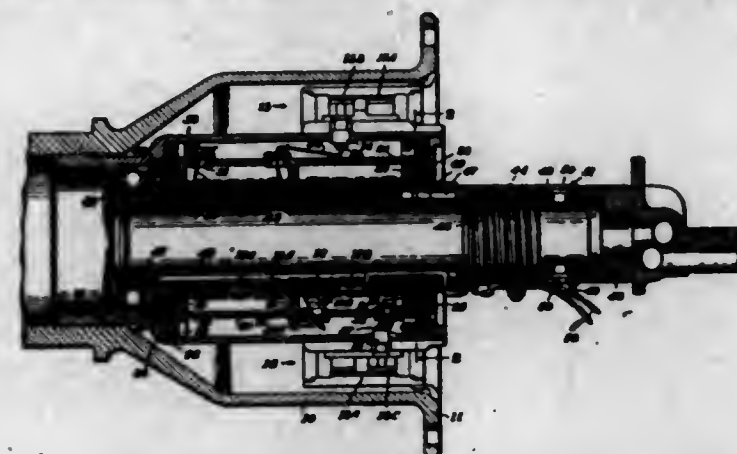
2,386,008

TORQUE MEASURING DEVICE

Clifford A. Shank, Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application January 26, 1944, Serial No. 519,745
12 Claims. (Cl. 73-136)

1. In a coupling device including a fixed coil within a rotating coil, said rotating coil being formed in two longitudinally spaced-apart sections, said fixed coil being likewise formed in two longitudinally spaced-apart sections, the two coils being coaxially mounted so that the sections of the rotating coil are respectively coupled to the sections of the fixed coil, the combination of a tubular support on which is wound said rotating coil, said support having an annular ridge on the outer surface thereof intermediate said coil sections and a further pair of ridges respectively adjacent the ends of said coil sec-

tions, and a hollow cylindrical shield substantially encircling said tubular support, said shield having three integrally-formed ribs on the in-

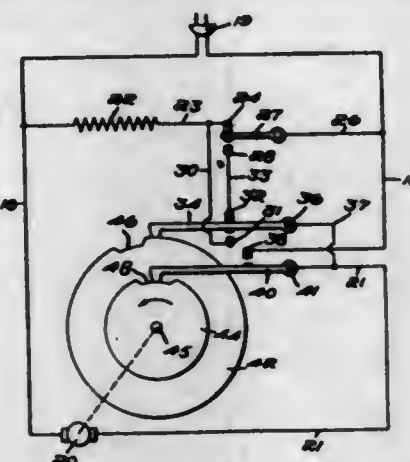


ner surface thereof positioned for respective engagement with the ridges of said coil support, and means attaching said shield to said coil support.

2,386,009

ELECTRIC COOKING APPARATUS

Graydon Smith, Concord, Mass., assignor to Electrico, Inc., Newburyport, Mass., a corporation of Massachusetts
Application January 7, 1943, Serial No. 471,590
10 Claims. (Cl. 219-20)



1. In an electric cooking apparatus, means for holding a cooking bath, a circuit having a heating coil arranged to heat the bath, an electric motor, a thermostat and cooperating switch under the control of heat from the bath arranged to close the heating coil circuit when the bath is cooled to a predetermined temperature and to open the heating coil circuit when the bath reaches a higher predetermined temperature, switch means operative in conjunction with said cooperating switch to close a circuit through the motor when the thermostat opens the heating coil circuit, means including an element driven by the motor for thereafter closing through the motor an auxiliary circuit independent of the thermostat, and means for bringing both motor circuits to open position after predetermined operation of the motor.

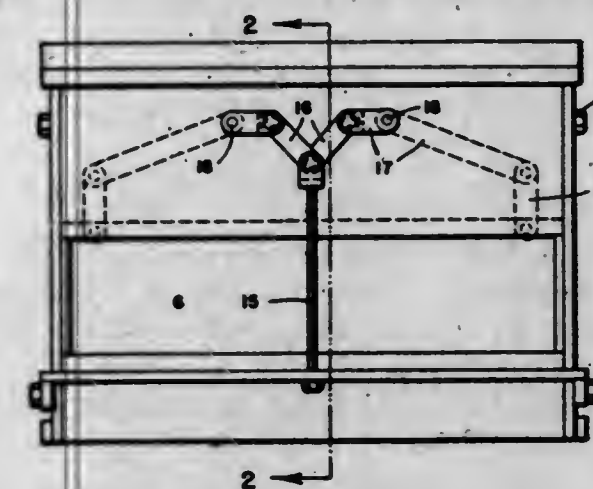
2,386,010

POULTRY AND LIVESTOCK FEEDER

Frank L. Spivey, San Antonio, Tex., assignor of one-half to E. C. Overall, San Antonio, Tex.; Hazel Florence Spivey administratrix of said Frank L. Spivey, deceased
Application November 15, 1943, Serial No. 510,337
5 Claims. (Cl. 119-53)

1. In combination with a housing, a feed trough within said housing, a feed bin within the housing communicating with said feed trough, stop means for adjusting and spacing the feed bin above the feed trough, openings in said housing communicating with said feed trough, vertically

sliding closures mounted adjacent said openings, a removable housing lid, guide pins for positioning the feed bin walls, foot rests pivoted to the housing for limited vertical movement with rela-

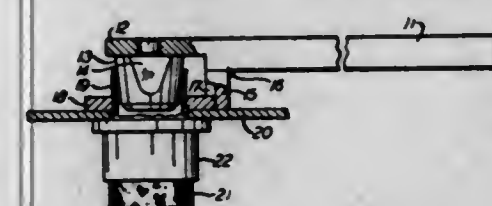


tion to said housing, and link, lever and rod means connecting said vertical sliding closures and the foot rests so balanced that the closures will normally assume their down-most or closed position.

2,386,011

CONNECTOR WRENCH

Kenneth Stanley, North Hollywood, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation, a corporation of California
Application January 29, 1943, Serial No. 474,015
1 Claim. (Cl. 81-90)



A wrench adapted to be used to screw a thin polygonal nut along a threaded electrical conduit sleeve projecting into an outlet-box in a comparatively inaccessible location, the wrench including a handle of uniform cross section, a forwardly projecting portion of reduced thickness formed integral with one end of the handle, a conically tapered plug attached adjacent the end of said forwardly projecting portion and adapted to be entered into the open end of the sleeve to form a centering pivot for the wrench when the handle is swung, and a nut engaging member rigidly attached to and presenting a flat surface flush with the end of said handle adjacent the said conically tapered plug, said flat surface being provided with a V-shaped slot and being related to said conically tapered plug to engage a facet of the nut against the flat surface or a corner of the nut in the V-shaped slot for screwing the nut along the sleeve upon operation of the handle.

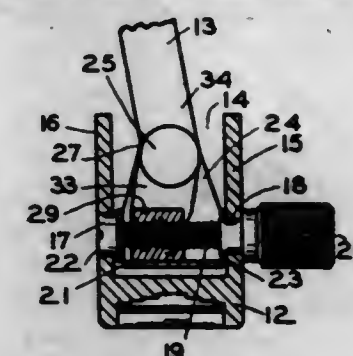
2,386,012

OPHTHALMIC INSTRUMENT

Donald T. Street, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application November 6, 1943, Serial No. 509,246
10 Claims. (Cl. 88-20)

1. In an ophthalmic lens frame, the combination with a body; an elongate member carried at an end of said body; means rotatably mounted on said member; a temple; a pivot for connecting said temple intermediate the ends thereof to said rotatably mounted means whereby said temple may be moved about said elongate member; traveler means carried by said elongate member and

movable axially thereof; means on said last-named means interconnecting the same and the one end of said temple for moving said temple

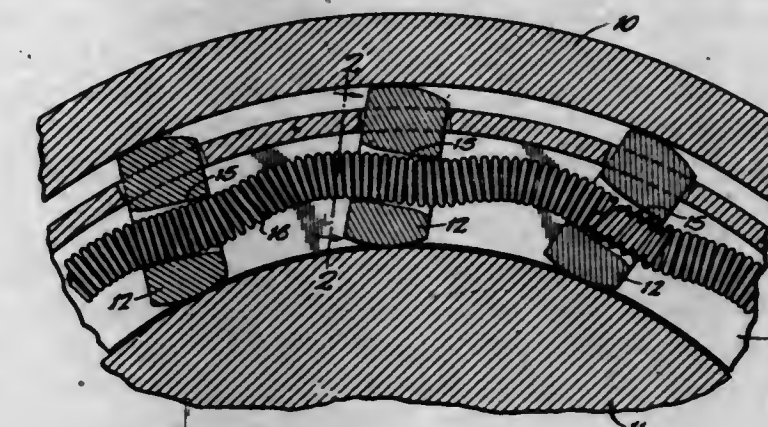


about said pivot upon movement of said traveler means axially of said elongate member whereby the temple may be angularly adjusted relative to the body.

2,386,013

ONE-WAY CLUTCH

Carl E. Swenson, Rockford, Ill.
Application June 16, 1943, Serial No. 490,969
11 Claims. (Cl. 192-45.1)

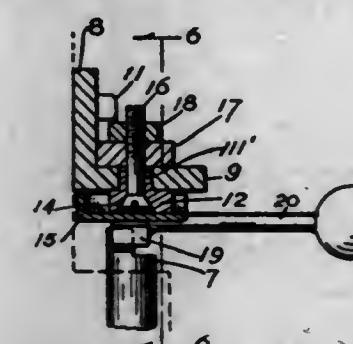


1. A one-way clutch for connecting inner and outer coaxial races comprising a series of tiltable grippers having transverse openings therethrough and interposed between the races, a cage supporting the grippers and having spaced cross members holding the grippers in spaced relationship, and an annular extensible and contractible spring extending through the openings and engaging the grippers adjacent the opposite ends of the openings to exert a tilting force on the grippers, the spring being biased lengthwise to tend to move toward the cross members whereby it will hold the grippers assembled in the cage.

2,386,014

ADJUSTABLE DOG STOP RELEASE FOR TURRET LATHES

Louis Paul Takac, Jr., Chicago, Ill.
Application May 25, 1944, Serial No. 537,321
3 Claims. (Cl. 29-65)



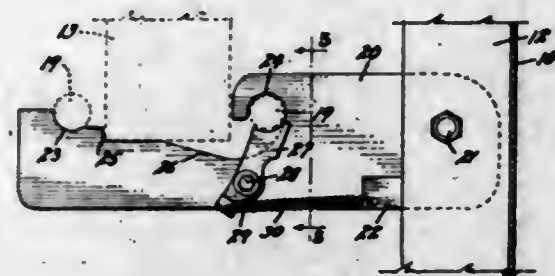
1. As an article of manufacture, an elongated frame right-angled in cross section, one side of said frame having therein an elongated slot, an inverted T-shaped shoe having its stem slidably disposed in said slot and its crosshead therebeneath, a screw having its head imbedded in said crosshead and its shank extending through said stem, a block upon said screw received upon said

slotted frame portion, a nut for said screw, a trough-shaped piece slidably engaging the cross-head of said shoe immediately beneath said slotted frame portion, a stub-finger carried by said piece, and a handle for said piece.

2,386,015

MACHINE GUN HANGER

Charles W. Thompson, Sullivan, Colo.
Application December 27, 1943, Serial No. 515,811
3 Claims. (Cl. 89—37.5)

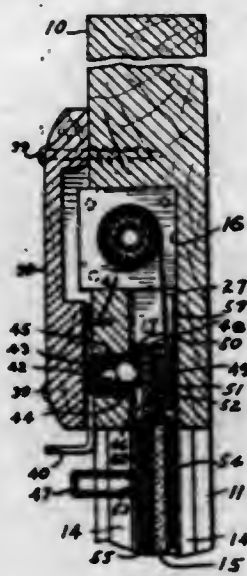


1. A hanger adapted to detachably support a machine gun from a substantially vertical supporting member, the gun being of the type having an adaptor frame with two parallel, longitudinally extending side rods, comprising: an elongated flat plate; means for pivotally securing said plate to said supporting member so that it will lie in a vertical plane with its longer axis substantially horizontal; a recess formed in the upper edge of said plate shaped and adapted to receive and support the bottom of the gun; a hook formed from said plate at one side of said recess adapted to overlie the upper portion of one of the side rods of the adaptor frame; a notch formed in said plate at the other side of said recess adapted to receive and underlie the lower portion of the other side rod of the adaptor frame, the bottom of the recess being cut away and adapted to allow the first side rod to be positioned beneath said hook by rotation of the gun.

2,386,016

DOOR CONSTRUCTION

Howard H. Turner, Lawndale, Calif., assignor of thirty-five per cent to Joseph A. Turner, Lawndale, Calif.
Application May 11, 1944, Serial No. 535,010
2 Claims. (Cl. 160—100)



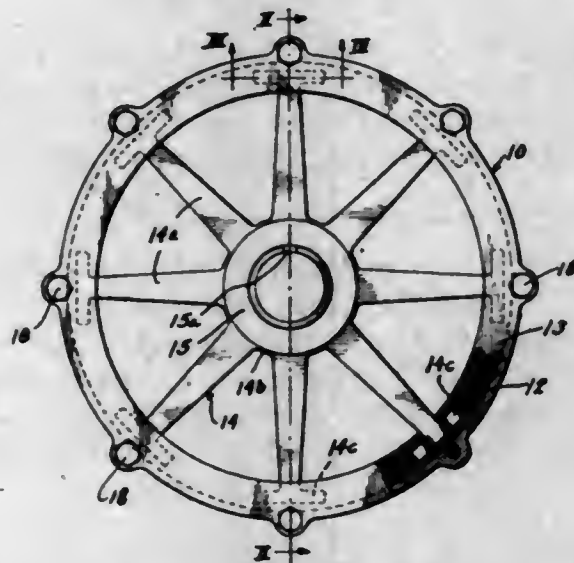
1. In a construction of the type referred to, including side stiles and a top rail forming an opening, the combination of a slidable window for said opening, having an edge portion movable into and out of said opening and window balancing and screen means resiliently mounted in said top rail and secured to said window edge, said means including a roller for said screen, a spring within said roller and fixed therein and thereto at one

end, an anchor for the other end of said spring, said anchor having a projecting tongue, journal blocks for the ends of said roller mounted in said rail, and a plate secured to the end of one of said journal blocks, said plate having a slot to accommodate the tongue of said anchor, and said journal block and plate being removable from said rail for adjustment of said spring.

2,386,017

UNIVERSAL JOINT

Anthony Venditty, Detroit, Mich., assignor to Thompson Products Inc., Cleveland, Ohio, a corporation of Ohio
Application April 24, 1942, Serial No. 440,286
5 Claims. (Cl. 64—11)

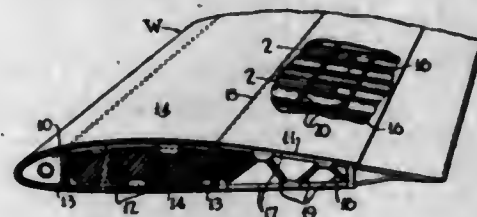


1. A universal joint comprising a housing member arranged for connection to a shaft, said housing member having a ring seating recess, a rubber ring seated in said recess, means on said housing holding said rubber ring against rotation relative to the housing, a spoked spring plate having the outer ends of the spokes embedded in said rubber ring, and a shaft coupling member rigidly affixed to the central portion of said spoked plate.

2,386,018

METHOD OF MAKING AIRCRAFT STRUCTURES

Michael Watter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 8, 1941, Serial No. 382,331
4 Claims. (Cl. 29—148.2)

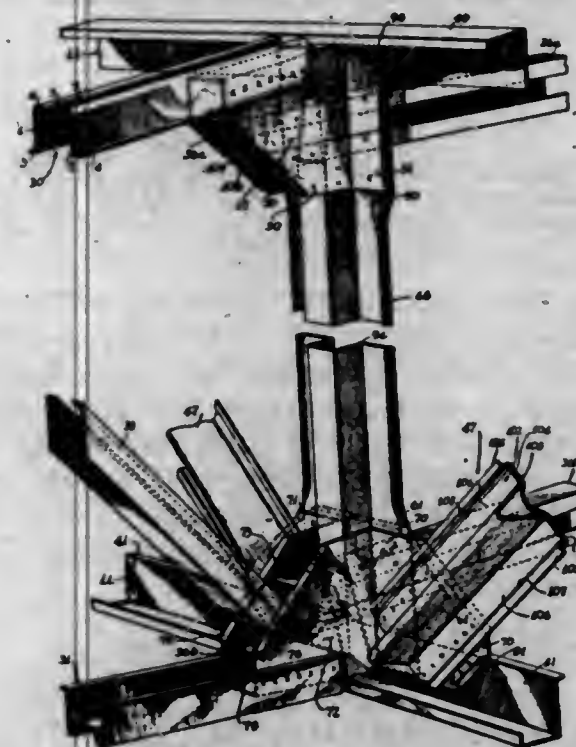


1. In the art of making aircraft and the like structures, the method of attaching a thin continuous metallic sheet skin to a metallic frame element which comprises disposing the skin and element in substantially continuous engagement, spot welding the skin and element together at spaced points defining several intervals longitudinally of the element, then bending the element in a direction perpendicular to the surface of the skin and in a direction such as to distend the portion of the element adjacent the skin whereby to tension the skin portions disposed between the regions of welding, and retaining the element in bent condition.

2,386,019

TRUSS STRUCTURE AND PARTS THEREOF

Michael Watter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 28, 1943, Serial No. 473,808
16 Claims. (Cl. 189—36)



2. In a structural assembly, as for hollow covered aircraft bodies, in combination, a first truss member and two aligned transverse truss members connected in a joint at said first truss member, one of said transverse truss members having the stub ends of spaced longitudinal chord elements extending through spaced openings in a strut of the first truss member, the other of said transverse truss members having longitudinal chord elements disposed adjacent and in axially offset relation to the stub ends of the chords of the first said transverse truss member, and means at one side of the first truss member securing together said strut, one of said stub chord ends, and said longitudinal chord element of said other transverse truss member.

2,386,020

SECTIONAL SURFACE DRAIN CONDUIT

Frederick S. Wendelken, Denver, Colo., assignor to Frederick K. Wendelken, Denver, Colo.
Application May 17, 1943, Serial No. 487,213
2 Claims. (Cl. 94—33)

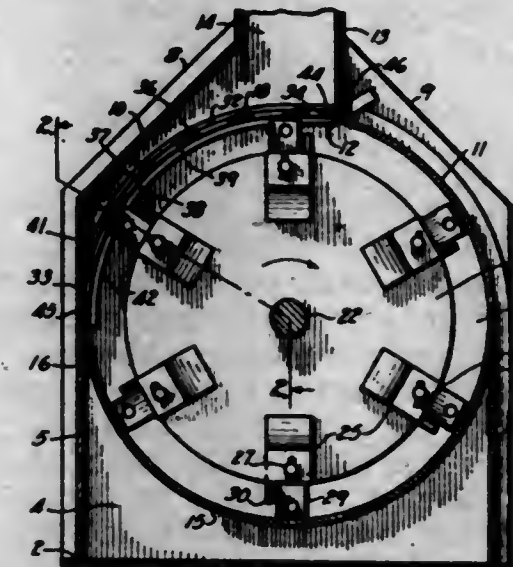


1. In a sectional surface drain conduit, a series of like, uninterruptedly open-sided base blocks adapted for alignment in end-abutted relation to form an open-top trough, each of said blocks comprising an integral, preformed unit including a plane bottom web, side walls upstanding in spaced, parallel relation from the opposite long margins of said web for disposition of their free upper margins in a common plane parallel with said web, a notch opening upwardly through the central portion of each side wall upper margin, shoulders perpendicular to the plane of said web defining the ends of each said notch, and faces on said shoulders inclined to the planes of the side wall surfaces so that the said shoulder faces of each notch converge laterally of the block and in a direction opposite to the convergence of the corresponding faces

2,386,021

SCREEN FOR HAMMER TYPE FEED GRINDERS

Earnest M. Wetmore, Tonkawa, Okla.
Application June 4, 1943, Serial No. 489,637
7 Claims. (Cl. 241—88)

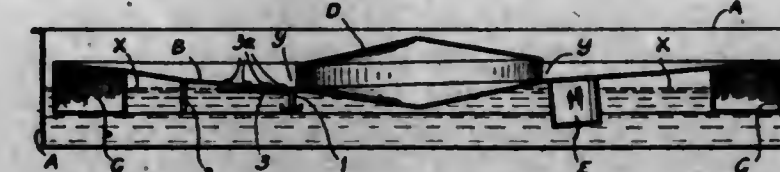


1. In a device of the character described, a housing having an outlet, a rotor including hammers rotatable in the housing for reducing material therein, a concave screen covering the housing outlet for retarding material being ground in the housing, said screen including spaced curved members, and bars spaced on the curved members and extending laterally therefrom in the direction of rotation of the rotors and terminating in spaced free ends, the bars on one curved member being staggered relative to the bars on the other curved member, said curved members and bars defining openings in the screen for passage of material ground in the housing.

2,386,022

FLOATING ROOF FOR LIQUID STORAGE TANKS

John H. Wiggins, Chicago, Ill.
Application January 27, 1944, Serial No. 519,959
1 Claim. (Cl. 220—26)

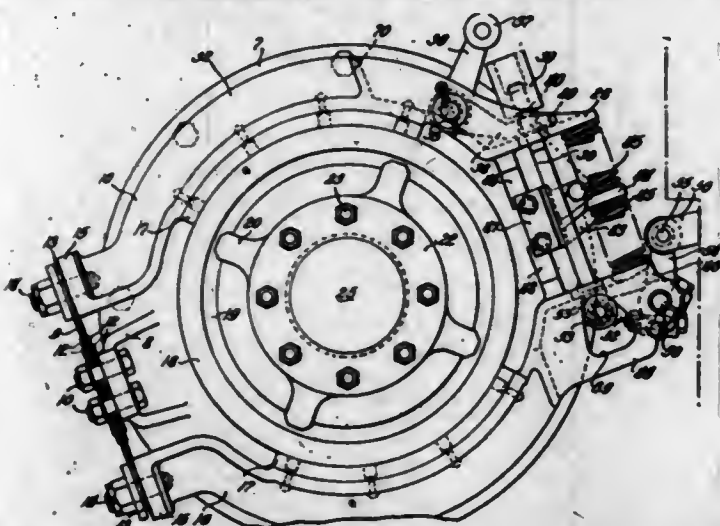


A floating roof for liquid storage tanks, comprising a stiff peripheral pontoon, a stiff center pontoon arranged in spaced relation with said peripheral pontoon, a deck attached to said pontoons so as to bridge the space between the same and sloping downwardly and inwardly towards the center pontoon, the periphery of said center pontoon projecting above the deck and the portion of the deck surrounding said center pontoon, constituting an annular water collection trough provided with an outlet, and a buoyant means consisting of a small auxiliary pontoon attached to the underside of the deck at one side only of said center pontoon at a point substantially diametrically opposite the outlet of said water collection trough, for maintaining the deck in a position to insure efficient drainage of said trough.

2,386,023

BRAKE CONSTRUCTION

Alfred O. Williams, Battle Creek, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application March 23, 1944, Serial No. 527,809
8 Claims. (Cl. 188—153)

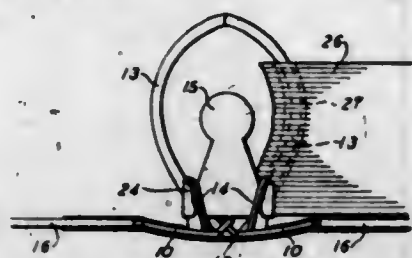


1. A motor shaft brake construction comprising a drum, a pair of brake shoes encircling said drum and resiliently anchored at one end, said shoes having their free ends normally urged away from each other toward brake releasing position, bell crank means pivotally mounted on the free ends of each shoe, one of said bell crank means being connected at one end to an actuator, a link interconnecting the other end of said one bell crank means to the other brake shoe, whereby operation of said actuator rotates said one bell crank means to force said shoes into braking engagement with said drum.

2,386,024

LOOSE-LEAF BINDER

Edward C. Williams, Peterborough, Ontario, Canada
Application March 24, 1944, Serial No. 527,911
3 Claims. (Cl. 129—24)



3. A loose leaf binder comprising a pair of sheet metal strips transversely curved and hinged together edge to edge, a plurality of ring sections extending from the adjacent edges of the strips and lying over the concave side thereof, an integral ear bent from each strip at its hinged edge near the end thereof to extend over the concave side, an operating lever at each end of the strips journaled for rotative movement in a pair of said ears, the levers and ears constructed with cooperating cam surfaces whereby on rotative movement of the levers to positions at right angles to the strips the ears are drawn towards one another and rotate the strips about the hinges and close the rings.

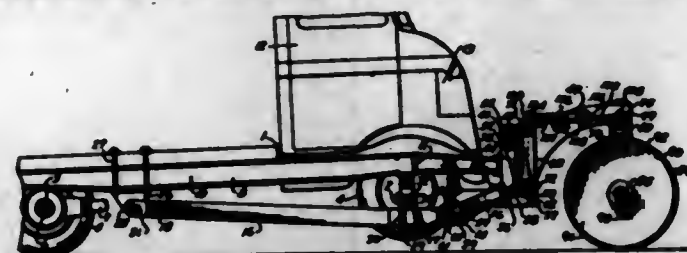
2,386,025

MOUNTING FOR ROAD ROLLERS AND SIMILAR DEVICES

Marion C. Wills, Topeka, Kans., assignor to Standard Steel Works, North Kansas City, Mo., a corporation of Missouri
Application October 9, 1942, Serial No. 461,390
9 Claims. (Cl. 94—50)

2. A device of the character described including, a main frame adapted for attachment to the

chassis of a vehicle, a frame member, means pivoting the frame member on the main frame for swinging movement about a horizontal axis, a neck member, vertical pivoting means connecting the neck member with the frame member to swing in an arc about a vertical axis, latch means for fixing the neck member at a selected angular position relative to the vertical axis, a road roller, substantially vertically arranged pivoting means



for turning the road roller about a substantially vertical axis on said neck member, a hoist for swinging the frame member on said horizontal axis for raising and lowering the road roller to and from contact with a surface to be rolled, and means for turning the road roller on said substantially vertical axis to steer the vehicle when the road roller is in contact with the surface to be rolled.

2,386,026

THIO-BARBITURATES

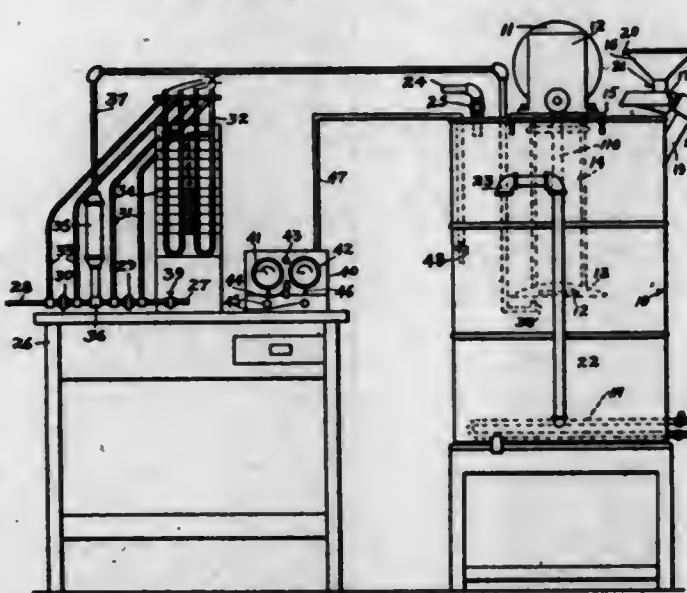
Charles O. Wilson, St. Paul, Minn., and James H. Boothe, Pearl River, N. Y., assignors to Regents of the University of Minnesota, Minneapolis, Minn., a corporation of Minnesota
No Drawing. Application September 18, 1943, Serial No. 502,974
19 Claims. (Cl. 260—260)

1. The process which comprises reacting a compound selected from the group consisting of the 5,5-di-substituted-4-imino barbituric acids, the 5,5-di-substituted-4-imino-2-thio-barbituric acids, 5,5-di-substituted-4,6-di-imino barbituric acid and 5,5-di-substituted-4,6-di-imino-2-thio-barbituric acid with hydrogen sulphide, and recovering the resultant compound.

2,386,027

METHOD OF SEPARATING MAGNESIA FROM DOLOMITE

Wallace E. Wing, Chicago, Ill., assignor to Marblehead Lime Company, Chicago, Ill., a corporation of Delaware
Application January 21, 1944, Serial No. 519,108
5 Claims. (Cl. 23—201)



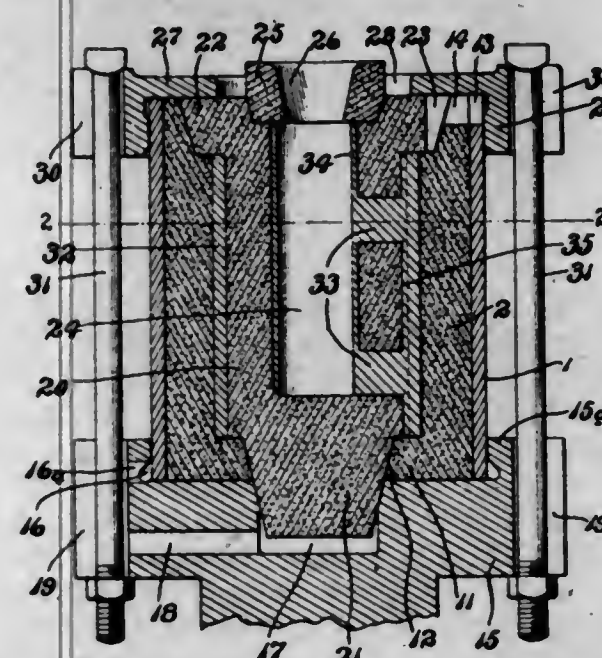
2. The method of separating magnesia from dolomite that has been calcined at a temperature of between 2000 and 2200° F. until substantially completely converted into the oxides of calcium and magnesium, which comprises feeding said oxides in finely comminuted, dry form di-

rectly into an agitated and partially carbonated body of water to form a suspension having a minimum solids concentration of 12% by weight, regulating the introduction of diluted carbon dioxide into said suspension at such a rate as to maintain the conductivity thereof slightly above that at the isoelectric point at the temperature obtaining, maintaining said temperature between 20 and 90° C. and separating magnesia and magnesium hydroxide from the resulting calcium carbonate.

2,386,028

CENTRIFUGAL POT CASTING

Edwin C. Young, Muskegon, Mich., assignor to Sealed Power Corporation, Muskegon, Mich., a corporation of Michigan
Application July 3, 1944, Serial No. 543,307
5 Claims. (Cl. 22—65)



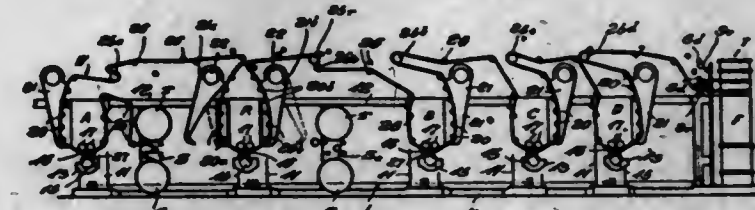
1. In centrifugal casting, a table adapted to be turned about a vertical axis, said table having a flask receiving recess at its upper side, a flask having its lower end received in said recess, a mold within said flask extending to the upper end thereof, said mold having a generally central larger vertical opening from its upper end nearly to its lower end, and a smaller central opening extending therefrom to the lower end of the mold, a core inserted lengthwise of said opening and having a projection at its lower end passing through the smaller opening in the lower end of the mold, said table in its upper side having a central recess receiving the lower end of said projection, said core at its outer sides above said lower smaller opening being spaced from the inner sides of the mold to provide an elongated sleeve-like recess, the upper end of the mold having an enlarged opening and the upper end of the core being enlarged to fit therein, said enlarged upper end of the core closing the upper end of said mold cavity, and said core having a central opening extending from its upper end downwardly therein to adjacent the lower end of said mold cavity with passage means for the flow of molten metal from said central opening to the cavity, as specified.

2,386,029

INTAGLIO WEB PRINTING MACHINE

Adolph M. Zuckerman, New York, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y. a corporation of New York
Application December 11, 1942, Serial No. 468,701
4 Claims. (Cl. 101—152)

3. In a line intaglio web printing machine, the combination of two web roll feed stands, one reversible intaglio printing unit, a plurality of

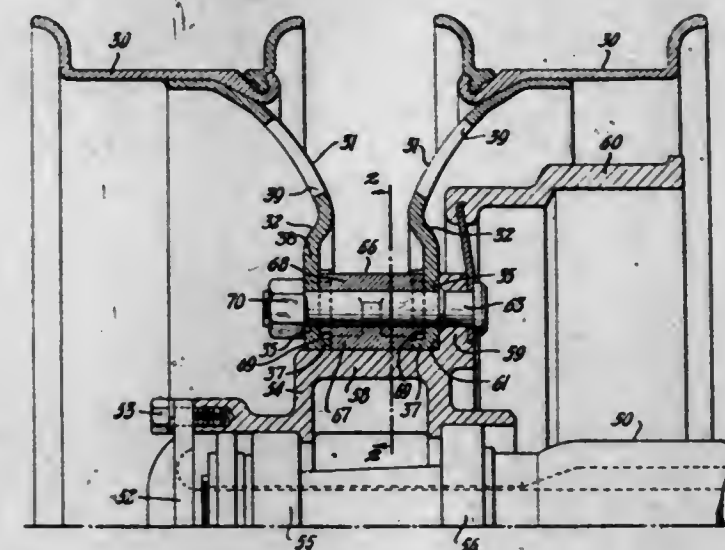


outermost unit of the group of non-reversible units, one web roll feed stand being operably positioned in the line at each side of the reversible unit and located wholly between the reversible unit and the immediately adjacent non-reversible unit, and web guide members for guiding a web or webs from either or both web roll feed stands through any selected unit or units to the folder.

2,386,030

DUAL WHEELED VEHICLE

Charles S. Ash, Milford, Mich.
Original application December 3, 1940, Serial No. 368,301, now Patent No. 2,343,129, dated February 29, 1944. Divided and this application July 29, 1943, Serial No. 496,540
2 Claims. (Cl. 301—36)

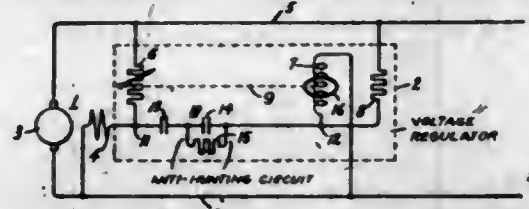


1. In a dual wheel structure, the combination of a wheel hub having a plurality of wheel mounting bolts extending axially therefrom and surrounding an axially extending cylindrical portion of the hub, a pair of dished duplicate wheels having their dished portions adjacent to each other, each of said wheels having a centrally scalloped portion providing inwardly extending radial attaching lugs apertured to fit over the mounting bolts, the inner edge of the scalloped portion of each wheel being bent over to form narrow ribs at each side and the base of each lug and a radial surface offset toward the opposite side of the wheel from the scalloped edge and bounded at its sides and base by the ribs, the bent edges of the wheels being adjacent each other, and a spacer between said scalloped portions of the two wheels, said spacer being tubular and fitted to the tubular portion of the hub and having an outwardly projecting sleeve portion engaging each bolt between an opposed pair of lugs of the wheels, each sleeve portion being notched at its ends to bridge over the base ribs and fit between the side ribs and against the radial surfaces of the lugs.

2,386,031

ANTI-HUNTING CIRCUIT

Ralph B. Bodine, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 31, 1943, Serial No. 481,304
5 Claims. (Cl. 171-229)

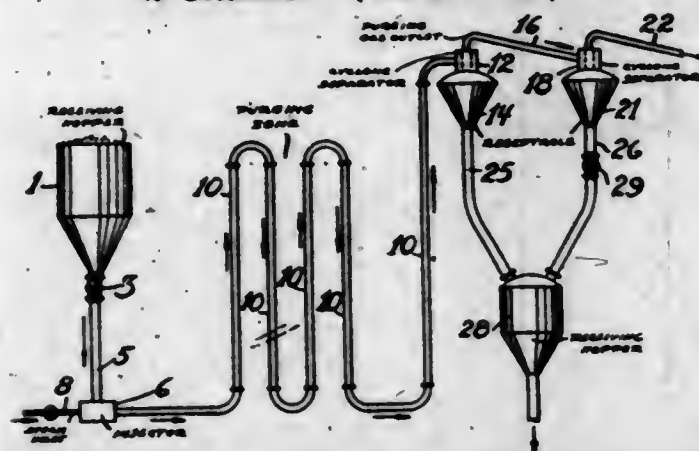


1. In combination, a circuit whose voltage is to be maintained constant, an automatic voltage regulator comprising a rheostatic element, a primary control electromagnet which is provided with a short-circuited turn and a resistor, means including a winding for varying said voltage, said rheostatic element and said winding being connected in series across said circuit, an anti-hunting capacitor, means for effectively connecting said primary control electromagnet across said winding through said capacitor, and means for effectively connecting said resistor across said rheostatic element through said capacitor.

2,386,032

CATALYTIC CRACKING

Donald L. Campbell, Roselle Park, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 17, 1940, Serial No. 353,087
2 Claims. (Cl. 34-10)



1. The process of purging a powdered regenerated catalyst containing oxygen adsorbed therein which catalyst is at a temperature of about 800° F. to 900° F., which comprises suspending the catalyst in a heated inert gaseous fluid, thereafter forcing the suspension through an elongated purging zone of restricted cross sectional area at sufficient linear velocity to cause substantially concurrent flow of catalyst and gaseous fluid therethrough to remove oxygen from the catalyst, and separating the purged catalyst from the gaseous fluid containing oxygen.

2,386,033
DRY SIZE

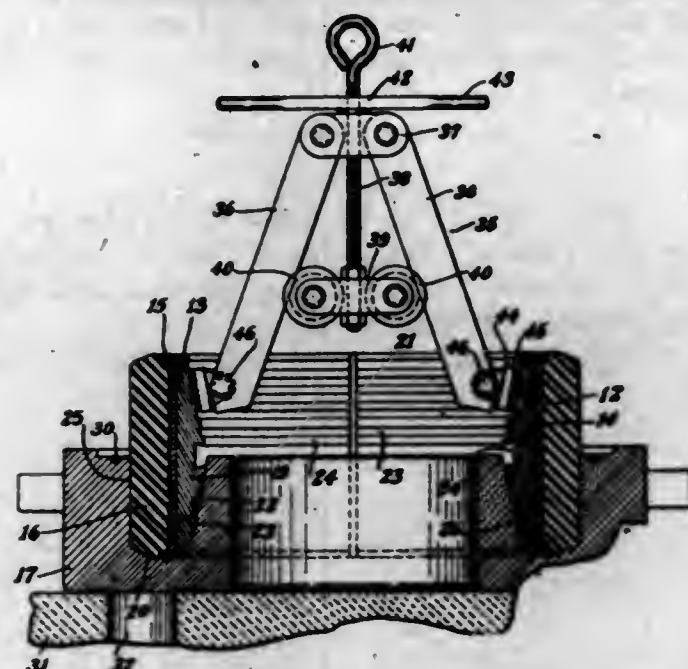
Fred L. Chappell, Jr., Kalamazoo, Mich., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 1, 1943, Serial No. 500,863
18 Claims. (Cl. 106-144)

1. A dry rosin size composition suitable for the preparation of aqueous high free rosin size emulsions comprising substantially neutral dry alkali metal saponified rosin size and a solid organic acid anhydride in amounts insufficient to bring the pH of the mixture dispersed in aqueous media to below 6.0.

2,386,034

MANUFACTURE OF SOLID RUBBER TIRES

Herman S. Church, Cuyahoga Falls, Ohio, assignor to The Monarch Rubber Company, Hartsville, Ohio, a corporation of Ohio
Application August 3, 1942, Serial No. 453,398
4 Claims. (Cl. 294-97)

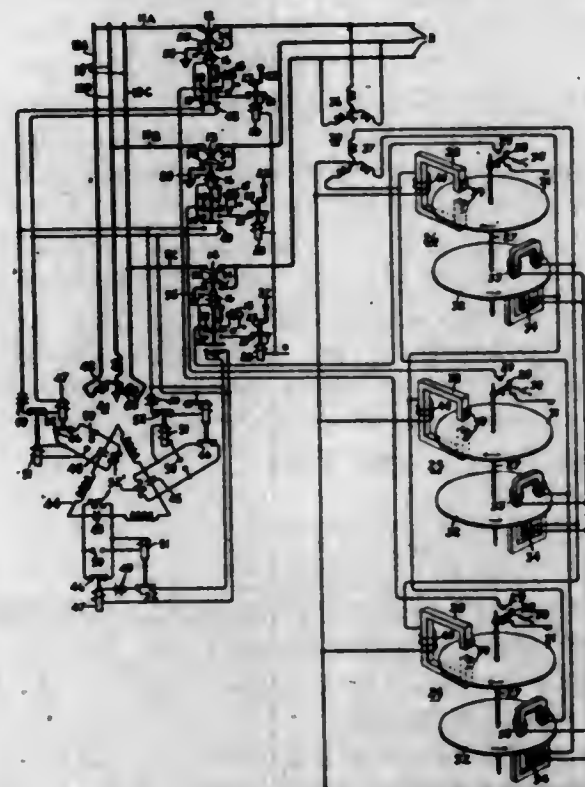


4. A tong gripping device including a head, levers pivotally connected to the head, outwardly facing jaw means pivotally mounted on the levers on axes parallel to the head-lever pivot, a central cross head movably engaging the levers, a threaded shaft connected to the cross head and slidable through the head, a wheel threaded on the shaft and reacting against the head to initially move the cross head toward the head for pivoting the levers about their head pivots and move the jaw means outward under equalized pressure, and means for exerting an axial pull upon the shaft to further urge the cross head toward the head and continue to urge the jaw means outward under equalized pressure.

2,386,035

PROTECTIVE SYSTEM

Selden B. Crary, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 27, 1943, Serial No. 500,239
7 Claims. (Cl. 175-294)



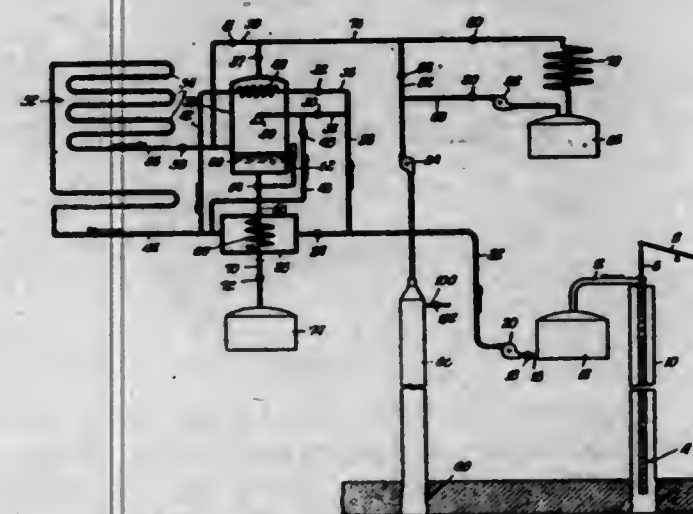
1. A control arrangement for a plurality of single pole circuit breakers respectively connected

in series with different phase conductors of a polyphase circuit comprising means responsive to a fault involving a phase conductor of said circuit for opening the single pole circuit breaker in series with the faulted phase conductor, means for reclosing the breaker associated with the faulted phase conductor after a predetermined time interval, and means for grounding the faulted phase conductor during the time the associated reclosing circuit breaker is in the open position.

2,386,036

METHOD FOR SECONDARY RECOVERY OF OIL

Roy Cross, Kansas City, Mo.
Application September 6, 1943, Serial No. 501,409
1 Claim. (Cl. 166-21)



That improvement in methods of increasing the recovery of heavy, viscous crude petroleum from subterranean deposits thereof, which includes the following steps: (1) extracting petroleum from the subterranean deposit (2) heating at least a portion of the extracted petroleum to a temperature of 650° F. or above in order to obtain a lighter fraction therefrom (3) thereafter reintroducing into the deposit at least a part of the lighter fraction thus obtained and (4) causing said fraction to penetrate to a considerable distance within the deposit in order to decrease the viscosity of the residual heavy petroleum within the deposit and to facilitate the further recovery of such petroleum therefrom.

2,386,037

PROCESS FOR THE PREPARATION OF THE SODIUM SALT OF 4,4'-DIAMINODIPHENYLSULPHONE - N - N' - DIGLUCOSE-SULPHONIC ACID

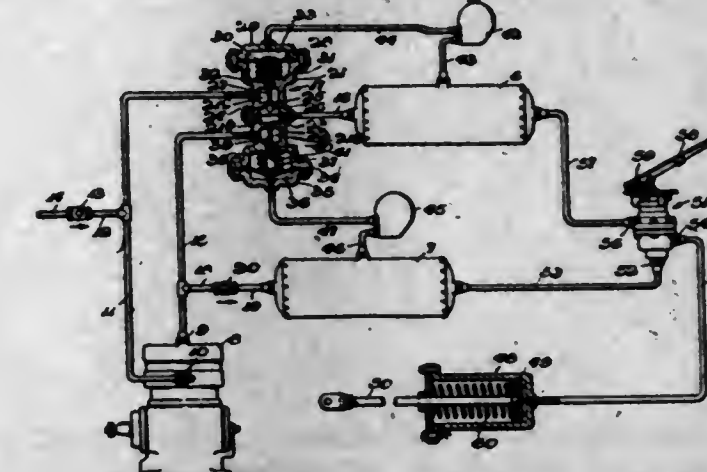
André Demolis, Zofingen, Switzerland, assignor to Aktiengesellschaft vormals B. Siegfried, Zofingen, Switzerland
No Drawing. Application January 11, 1944, Serial No. 517,902
In Switzerland January 21, 1943
1 Claim. (Cl. 260-211)

The method of producing the sodium salt of 4,4'-diaminodiphenylsulphone-N-N'-diglucose-sulphonic acid comprising boiling together under reflux about 6.1 grams of 4,4'-diaminodiphenylsulphone with about 14 grams of the sodium salt of glucose sulphuric acid and about 0.1 gram of ammonium chloride in about 130 ccm. of methanol for about 20 hours, filtering the solution, mixing the solution with about 500 ccm. of ether and about 500 ccm. of methanol, and filtering out the white precipitate.

2,386,038

FLUID PRESSURE MECHANISM

Wilfred A. Eaton, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application August 4, 1943, Serial No. 497,385
20 Claims. (Cl. 230-2)

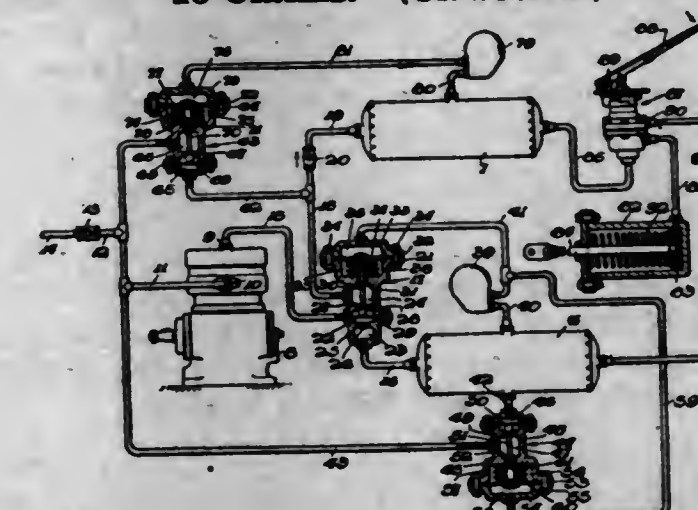


1. The combination in a fluid pressure supply system having low and high pressure reservoirs and a compressor provided with inlet and discharge ports, of means for supplying fluid pressure from the compressor to said reservoirs including a normally open connection between the discharge port and the low pressure reservoir, a normally open connection between the discharge port and the high pressure reservoir, and means responsive to variations in pressure in the low pressure reservoir for closing the first named connection when the pressure in said low pressure reservoir exceeds a predetermined value.

2,386,039

FLUID PRESSURE MECHANISM

Wilfred A. Eaton, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application August 4, 1943, Serial No. 497,386
13 Claims. (Cl. 230-2)



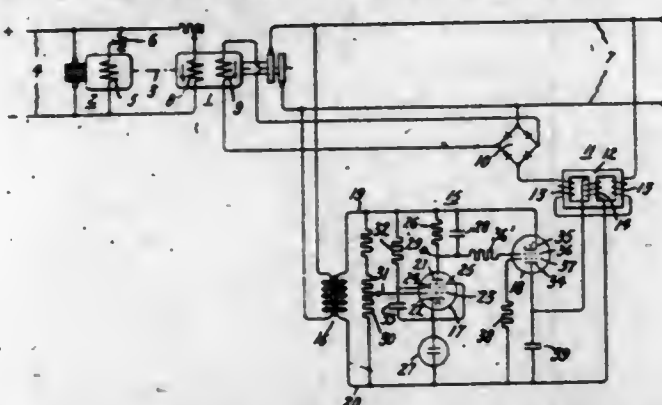
1. The combination in a fluid pressure supply system having low and high pressure reservoirs and a compressor provided with inlet and discharge ports, of means for supplying fluid pressure from the compressor to said reservoirs including a normally open connection between said discharge port and the low pressure reservoir, a normally closed connection between said discharge port and the high pressure reservoir, means including a valve controlled by variations of pressure in said low pressure reservoir for closing the first connection and opening the other connection when the pressure in said low pressure reservoir exceeds a predetermined value, and means including a valve controlled by variations in pressure in the high pressure reservoir for establishing a connection between the second named connection and the inlet port of the compressor when the pressure in said high pressure reservoir exceeds a predetermined value.

2,386,040

ELECTRIC CONTROL SYSTEM

Martin A. Edwards, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application September 28, 1942, Serial No. 459,904
12 Claims. (Cl. 171-119)

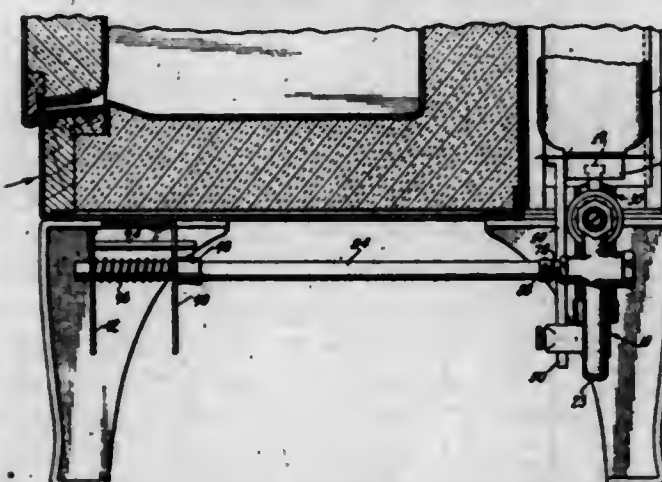


7. In combination, a dynamo-electric machine having a field winding, an alternating current circuit having produced therein a variable voltage in accordance with an operating condition of said machine, means including a variable impedance provided with a control circuit for varying the energization of said field winding, means including an electric valve provided with a control grid and having an anode-cathode circuit connected in circuit with said impedance control circuit across said alternating current circuit, a control electric valve provided with a control grid and being connected inversely with respect to said first mentioned electric valve across said alternating current circuit, a parallel-connected resistance and capacitance connected in series relation with said control valve, said capacitance being so selected relative to said resistance as to retain during the next succeeding non-conducting half cycle of said control electric valve the voltage difference attained across said resistance during the preceding conducting half cycle, means responsive to the voltage of said alternating current circuit and connected to the control grid of said control valve, and means for connecting said parallel-connected resistance and capacitance in the control grid circuit of said first mentioned electric valve.

2,386,041

REMOTE BURNER LIGHTER

Bo Karl Georg Ehnborn, Stockholm, Sweden
Application August 23, 1941, Serial No. 408,027
In Germany March 7, 1941
12 Claims. (Cl. 62-1)



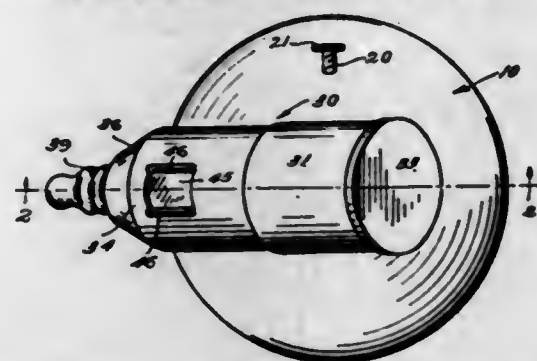
1. In a heat operated refrigerator having a cabinet to which access may be had at the front and having a generator which is heated to operate the refrigerator, the combination with said generator of a main burner, and igniting means to ignite said burner comprising an igniting burner mounted upon said main burner, valve means which is operated to supply fuel to said

igniting burner independent of the supplying of fuel to said main burner, a pair of brackets one of which has a tube receiving portion adjacent said igniting burner and the other of which has a tube receiving portion adjacent the front of said cabinet, a tube slideably mounted in said tube receiving portions and adapted to be slid inwardly toward said igniting burner, said tube having a handle means rigidly mounted at its forward end, and an operating arm mounted adjacent said burner and mechanically related to said valve means so that said valve means is operated when said tube is slid inwardly toward said igniting burner.

2,386,042

NURSING BOTTLE HOLDER

Michael E. Elzeer, Lorain, Ohio
Application March 28, 1945, Serial No. 585,324
2 Claims. (Cl. 248-106)

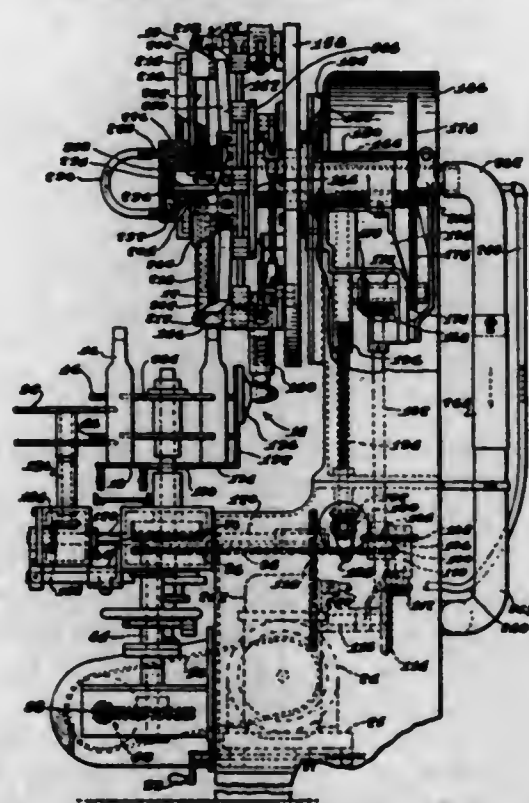


1. In a device of the character described, a hemispherical base, a sleeve centrally positioned in said base, a weight on one side of said base, a shaft in said sleeve, a ball on the extremity of said shaft, a clamp engaging said ball, a member carried by said clamp having a channel therein, a receptacle, a flange on said receptacle slidable in said channel, and a set screw in said member adapted to engage said flange to secure the receptacle and base in related assembly.

2,386,043

CONTAINER CLEANING MACHINE

Arthur Clarence Everett, Boston, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Original application May 27, 1942, Serial No. 444,612. Divided and this application September 29, 1943, Serial No. 504,289
4 Claims. (Cl. 198-25)



4. In combination, a continuously rotating carrier rotated in a vertical plane and having a

plurality of individual radially mounted container holding members capable of movement with respect to the carrier, means for causing said holding members to travel in a substantially horizontal direction and in a straight line for a substantial distance beyond a vertical line passing through the center of said carrier, a supply conveyor, and means for transferring successive containers from said supply conveyor to said holding members during such horizontal straight line movement.

2,386,044

SELECTIVE EXTRACTION OF DIOLEFINS FROM HYDROCARBON MIXTURES

Egi V. Fasce, Baton Rouge, La., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana

No Drawing. Application April 18, 1940,
Serial No. 330,311

1 Claim. (Cl. 260-681.5)

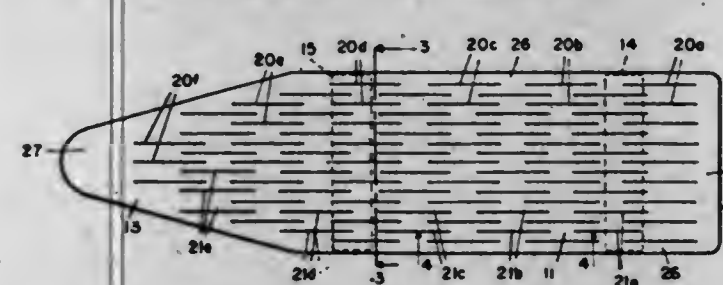
A process for the recovery of butadiene from a gaseous mixture containing unsaturated hydrocarbons having 4 carbon atoms to the molecule which comprises contacting a mixture of saturated and unsaturated hydrocarbons having 4 carbon atoms to the molecule and containing butadiene with a solution of 20% cuprous chloride, 30% formamide, 22% concentrated HCl (36.0% HCl) and 28.0% ethylene glycol at a temperature of 32° to 90° F., separating the solution and expelling butadiene therefrom.

2,386,045

VENTILATED WOODEN IRONING TABLE TOP

Horace B. Fay and Thomas H. Fay, Willoughby, Ohio, assignors to Gridiron Steel Company, Cleveland, Ohio, a corporation of Ohio

Application May 22, 1942, Serial No. 444,086
3 Claims. (Cl. 38-137)



1. A ventilated wooden ironing table top consisting of a wooden board having one end restricted to form a nose portion, said board being provided with two series of narrow, elongated, spaced, open slots extending through said board, each such series consisting of a plurality of sets of longitudinally extending spaced slots in line with each other but spaced apart longitudinally the slots of the other series being formed in similar sets spaced between the slots of the sets of the first series and appreciably overlapping the slots of both adjacent sets of the first series, whereby no continuous straight, uncut portion extends transversely of the board from one edge to the other.

2,386,046

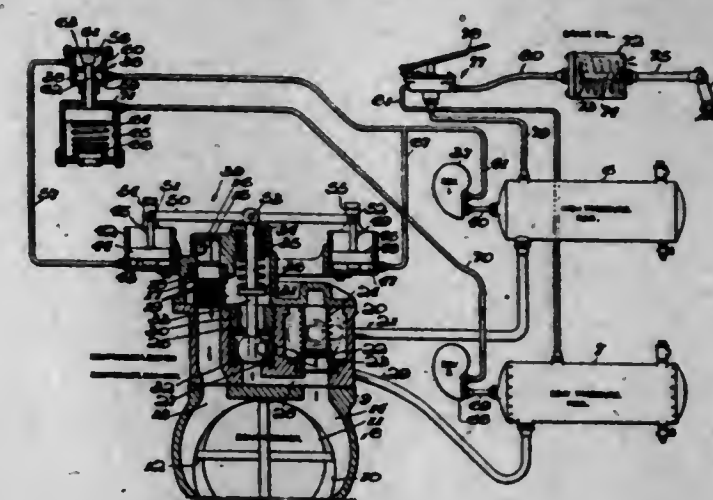
FLUID PRESSURE MECHANISM

Elbert Fowler, Mount Vernon, N. Y., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware

Application August 4, 1943, Serial No. 497,387
19 Claims. (Cl. 230-2)

1. The combination in a fluid pressure supply system having a high pressure reservoir, a low

579 O. G.-7



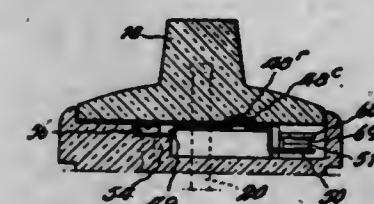
venting the compressor from supplying fluid pressure to either of said reservoirs, and means controlled by the pressure in said high pressure reservoir for controlling the operation of said first named means for permitting the compressor to supply fluid pressure to the low or high pressure reservoir dependent on the degree of pressure in the latter reservoir.

2,386,047

ROTARY ELECTRIC SWITCH

Frederic P. Gates, Toronto, Ontario, Canada, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut

Application March 18, 1944, Serial No. 527,082
In Canada January 3, 1941
(5 Claims. (Cl. 200-6))



1. In an electric switch, an insulating base hollowed out to provide a circular cavity, an insulating cover manually rotatable in said circular cavity, concentric arcuate recesses within said cavity and separated by insulating walls, fixed contacts in each recess, arcuate resilient contacts in each recess cooperating with said fixed contacts, cam means on said resilient contacts each being a different distance from the axis of rotation of said cover, camming means on said cover at different distances from the axis of rotation to actuate said contacts selectively, said cover cooperating with the walls of said recesses to form separate closed chambers for cooperating pairs of fixed and movable contacts, and spring pressed indexing balls located in the central portion of said base cooperating with said cover to locate the cover in its several positions.

2,386,048

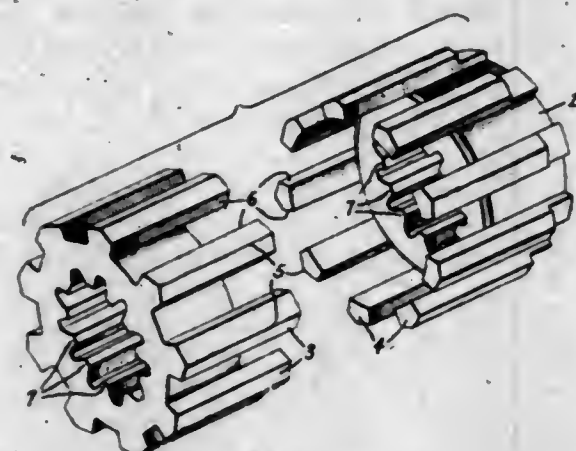
MAGNETO BREAKER CAM

Joseph R. Harkness, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application May 29, 1944, Serial No. 537,896
8 Claims. (Cl. 74-567)

1. A multiple lobe breaker cam comprising a pair of interdigitated members each having a

plurality of fingers extending axially from a supporting hub and being formed with a ra-

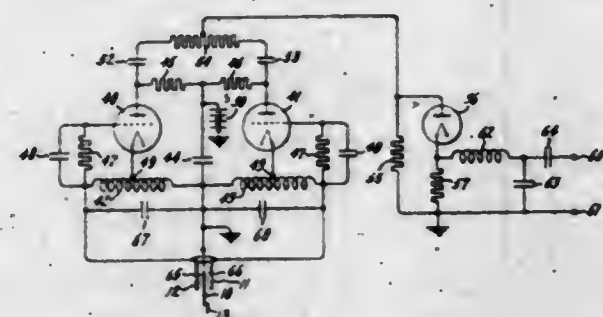


dially raised axially extending part on the outer surface thereof providing the lobes of said cam.

2,386,049

APPARATUS FOR CONVERTING SOUND TO FREQUENCY MODULATED CURRENTS
Walter Hausz, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 9, 1943, Serial No. 478,565
11 Claims. (Cl. 179—100.4)



1. In combination, a member vibrating at audio frequencies, a pair of oscillatory circuits tuned to different frequencies, means for frequency modulating oscillations of said circuits by the vibrations of said member comprising a pair of capacitors having a common electrode, each of said capacitors being connected in a respective one of said circuits, means to vibrate said common electrode in accordance with the vibrations of said member, and means coupled to said circuits for deriving therefrom voltages of a frequency equal to the difference in frequency of said oscillations.

2,386,050

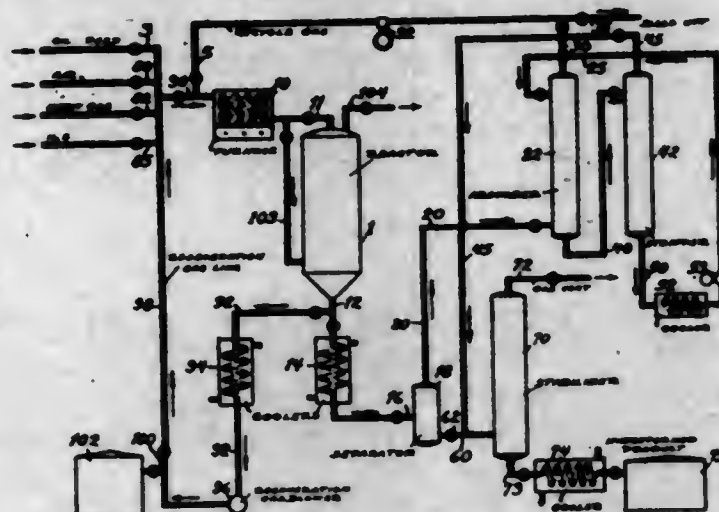
SUSTAINING THE ACTIVITY OF REFORMING CATALYSTS

Clinton H. Holder, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application November 12, 1943, Serial No. 510,071
6 Claims. (Cl. 196—50)

1. A process of reforming naphthenic naphthas employing a catalyst consisting of an oxide of the VI group of the periodic system supported on an extending agent, which comprises contacting the naphtha at elevated temperatures and pressures with the catalyst in a reaction zone during the productive phase, discontinuing the flow of naphtha to the reaction zone when the catalyst has become contaminated with deposits, purging the catalyst with an inert gas to remove volatile hydrocarbons, thereafter treating the catalyst with an oxygen-containing gas to cause combustion of the contaminants on the catalyst, thereafter lowering the gas pres-

sure in the reaction zone, purging the catalyst to remove oxygen therefrom, treating the catalyst with a volatile sulfide to convert the VI group oxide to the sulfide, thereafter treating



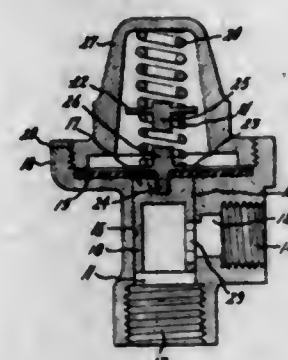
the catalyst with an oxygen-containing gas to reoxidize the VI group sulfide to the oxide, and purging the catalyst to prepare it for the on-stream phase of the cycle.

2,386,051

VOLUME CONTROL DEVICE

Leslie A. Kempton, Chicago, Ill., assignor to Edison General Electric Appliance Co., Inc., Chicago, Ill., a corporation of New York

Application April 7, 1943, Serial No. 482,183
2 Claims. (Cl. 50—14)



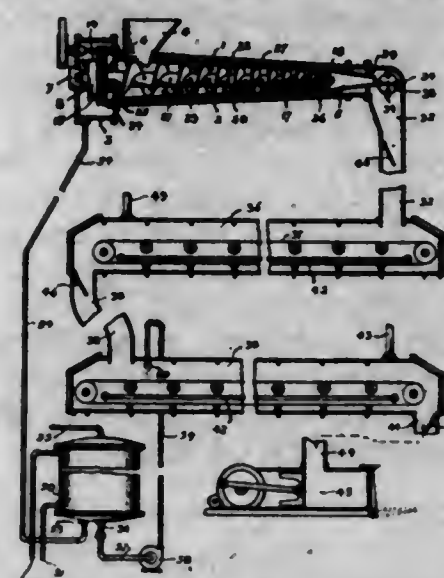
1. A liquid volume control device comprising a housing having inlet and outlet openings for the passage of the liquid through the device; a piston within said housing having a hollow interior and a port in the side wall thereof registering with said outlet opening, and the piston positioned with reference to said inlet opening so that the liquid flows into the piston and out through its port and said outlet opening, the pressure of said liquid biasing said piston in one direction, said outlet opening having a straight edge at its side that is remote from said inlet opening and said port generally increasing in area as it approaches said edge, a relatively light spring resisting the movement of said piston in said one direction by the pressure of said liquid, a relatively heavy spring functioning as an abutment for said light spring and further resisting movement of said piston in said one direction, said light spring permitting greater movement per unit pressure change at the lower pressures when the flow is through the large effective discharge area afforded by said port, and said heavier spring resisting movement of said piston when said effective discharge area is reduced at the higher pressures, all so that the quantity of liquid permitted to flow through said device per unit of time is substantially constant, irrespective of the magnitude of the liquid pressure within a predetermined pressure range.

2,386,052

DEHYDRATING APPARATUS

Bertram Fair Lundy, Vancouver, British Columbia, Canada

Application August 20, 1942, Serial No. 455,540
In Canada August 6, 1942
12 Claims. (Cl. 99—235)



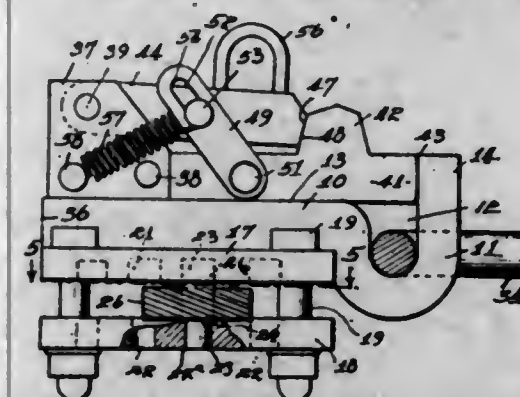
1. A dehydrating apparatus comprising a screw press having a feed hopper and a discharge cone, a dehydrating chamber, a chute extending between the discharge cone and the dehydrating chamber, said dehydrating chamber having an inlet and an outlet, a rotary hammer mill within the chute for comminuting the material passing through the press as it extrudes from the discharge cone, and means for conveying the comminuted material through the dehydrating chamber, said discharge cone forming a support for the mass of the material extruded while being acted upon by the comminuting means.

2,386,053

COUPLING DEVICE

Eric M. McElhinney, Dysart, Iowa

Application September 6, 1943, Serial No. 501,435
4 Claims. (Cl. 280—33.15)



1. A coupling device including a body member having a hook portion adjacent one end open to one side of said body member adapted to receive a hitch portion therein, means for releasably locking said hitch portion in said hook portion including a pivoted latch, a pivoted locking member, means pivotally supporting said locking member and latch in an offset relation on said body member to provide for a longitudinal movement therebetween concurrently with their pivotal movement in one direction to a position at which said latch is adjacent the one side of said body member and in a hook-closing position, coacting portions on said latch and locking member engageable in said position to lock said latch against pivotal movement in an opposite direction out of said hook-closing position, tension means connected with said locking member and body member for holding said locking member in a latch-locking position, and lost motion means connecting said latch and locking member so that on pivotal movement of the locking mem-

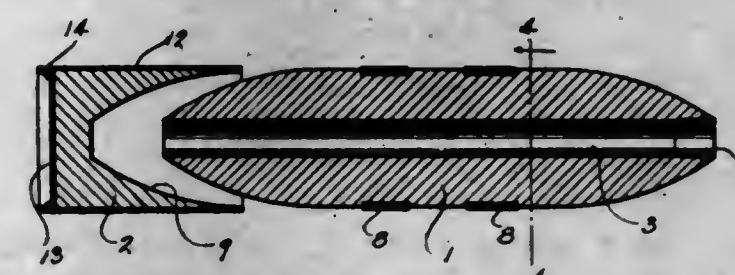
ber in said opposite direction said locking member is initially moved out of a latch-locking position to provide for a later pivotal movement of said latch from a hook-closing position, with the line of pressure application of said tension means being movable through the pivotal support of said locking member, on pivotal movement of the locking member in said opposite direction, to releasably hold said latch out of a hook-closing position.

2,386,054

PROJECTILE

William N. McGee, Seattle, Wash.

Application April 16, 1942, Serial No. 439,169
1 Claim. (Cl. 102—50)



A projectile of the character described comprising a base portion and a main projectile body; said body being formed about its medial portion with soft metal bands to engage the riflings of the gun barrel and having an open axial bore of substantial diameter therethrough for relief of air pressure at the nose and reduction of vacuum at the rear end of the projectile in flight, and having its forward and rearward end portions tapered to merge with the bore in sharp edges; said base portion of the projectile being of cylindrical form and of the diameter of the main body and formed with a socket in which the rear end of the projectile body is fitted, and having an encasing lining of soft metal of the diameter of the soft metal bands and said lining forming a rearwardly extending expandible peripheral flange.

2,386,055

SEPARATION OF TERTIARY OLEFINS FROM HYDROCARBON MIXTURES

Henry O. Mottern, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application May 17, 1939,
Serial No. 274,213

3 Claims. (Cl. 196—40)

2. The method of removing trimethyl ethylene from C₅ cut naphtha which consists in contacting the C₅ cut with formaldehyde in sulfuric acid of from 1/2 to 65% concentration at a temperature between 0-100° C. for a time sufficient to condense the tertiary olefin with the formaldehyde without substantial condensation of secondary olefins with formaldehyde, the amount of formaldehyde present in the sulfuric acid being in the ratio of from 1 1/4 to 1 3/4 mols formaldehyde per mol of trimethyl ethylene in the C₅ cut and separating the spent naphtha from the reaction products.

2,386,056

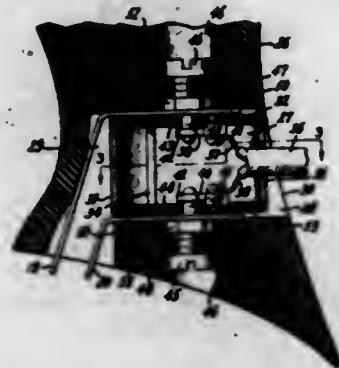
ELECTRICAL CONNECTION MEANS

Heber L. Newell, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application April 16, 1943, Serial No. 483,270
7 Claims. (Cl. 173—324)

7. Electrical supply connector means comprising a pair of opposed supply leads, a member pro-

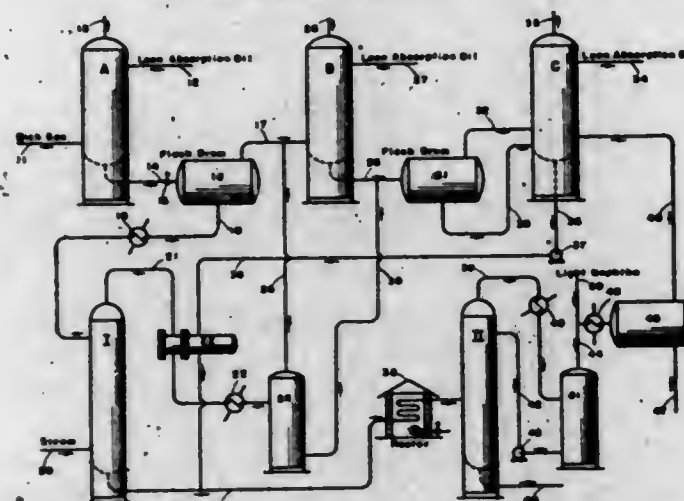
vided with a recess for receiving said leads, a casing within said recess between said leads, said recess having an opening through which said casing is inserted, electrically conducting pins projecting into said recess for rotatably supporting said casing, a supply cord entering said recess through said recess opening and having conducting elements entering said casing, connectors within said casing connected to said conducting elements and yieldingly engaging said pins, means electrically connecting said pins with said leads, and the



walls of said casing opposite said leads respectively having radial slots therein extending from said pins to the outer edges of the casing so that said casing can be removed from said pins when said casing is in a predetermined angular position in said recess, and said slots being arranged substantially at right angles to said supply cord so that when said casing is in its normal operative position in said recess and said cord enters the recess through said recess opening said casing cannot be pulled from said pins by said cord.

2,386,057

METHOD FOR RECOVERING GASOLINE
Frank G. Noble, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 13, 1943, Serial No. 514,018
3 Claims. (Cl. 196-8)

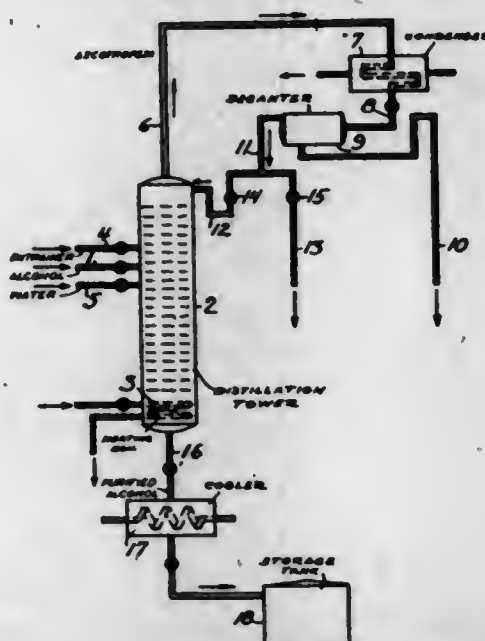


1. In a process for recovering gasoline constituents from natural gas comprising hydrocarbons ranging from methane to constituents in the gasoline boiling range, the steps of contacting said gas with a first lean absorption oil in a first absorption zone to absorb constituents in the gasoline boiling range and lighter hydrocarbons from said gas and to produce a first rich absorption oil, transferring the first rich absorption oil to a flashing zone at a lower pressure than the first absorption zone, removing substantial amounts of methane and ethane as vapors from the flashing zone, removing the remaining liquid from the flashing zone, increasing the temperature thereof to no less than 300° F. and feeding the heated material into a stripping still operated under a pressure lower than the flashing zone and without the addition of extraneous reflux thereto to separate a bottoms fraction and overhead fraction, said overhead fraction includ-

ing substantially all the methane and ethane, subjecting the overhead fraction to condensing conditions to form a liquid portion and a vaporous portion, contacting the vaporous portion of the overhead fraction and the vapors removed from the flashing zone with a second lean absorption oil to obtain a second rich absorption oil, admixing said second rich absorption oil with the liquid portion of overhead fraction to form a first admixture, contacting the first admixture with a third lean absorption oil to form a third rich absorption oil, admixing the third rich absorption oil with the bottoms removed from said stripping still to form a second mixture, heating the second admixture and feeding it into a second still and operating said second still under temperature and pressure conditions to remove an overhead therefrom substantially completely condensable at atmospheric temperatures under the operating pressure of the still.

2,386,058

PURIFICATION OF ORGANIC LIQUIDS
John A. Patterson, Westfield, and Rudolph J. Ozol, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application August 1, 1941, Serial No. 404,990
2 Claims. (Cl. 202-42)



1. The method of purifying secondary butyl alcohol containing as impurities water and secondary butyl ether, which comprises distilling the mixture in a fractionating column, introducing the feed mixture into a central section of the column, adding additional water to the column at a point below the alcohol feed to adjust the water content to more than sufficient to form a ternary azeotrope with the alcohol and ether and to an amount which will be removed from the lower section of the column from the feed to leave a non-aqueous residue of the alcohol, condensing the distillate and decanting it into an aqueous and a non-aqueous layer, and returning a portion of the non-aqueous layer to the top of the column as reflux.

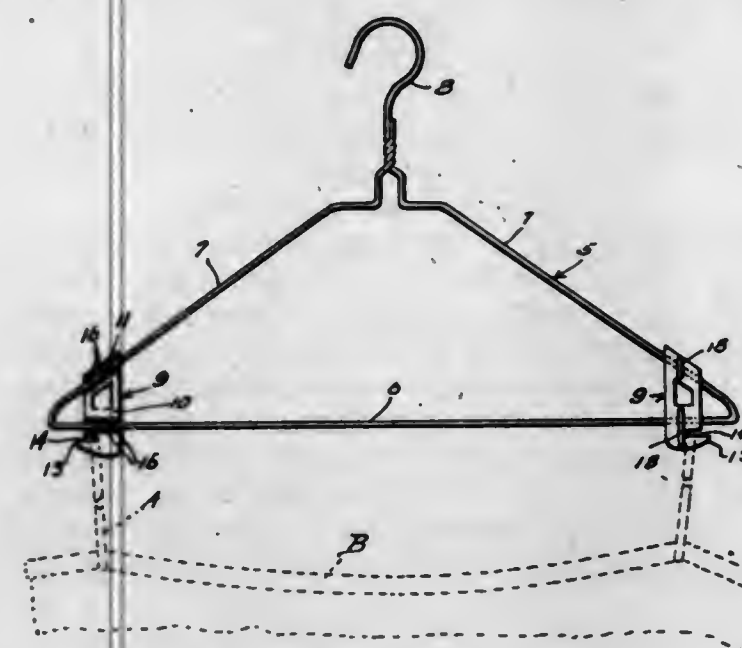
2,386,059

HANGER ATTACHMENT FOR LADIES' GARMENTS

Joseph B. Potoczky, Silver Spring, Md.
Application July 7, 1944, Serial No. 543,885
6 Claims. (Cl. 223-88)

6. A hanger attachment of the character described adapted to be secured to a wire coat hanger of triangular configuration, comprised of a resilient body portion of polygonal configura-

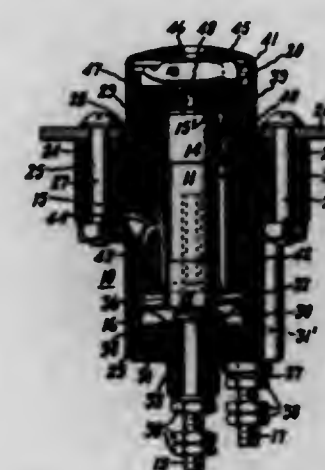
tion having grooves therein, one of said grooves being disposed in non-parallel relation to the other, one groove being adapted to engage the wire at the base of the coat hanger and the other one of said grooves to engage one of the legs of the triangular coat hanger in such manner as to preclude linear movement of the body por-



tion on the base of the coat hanger, said body portion being formed with shallower grooves adjacent said first-mentioned grooves to increase the flexibility of said body at the first-mentioned grooves, said grooves having wire gripping protuberances on the opposite sides thereof, and garment supporting means depending from the lower portion of said body.

2,386,060
FUSE UNIT

Alric H. Powell, Yeadon, Pa., assignor to General Electric Company, a corporation of New York
Application October 29, 1942, Serial No. 463,752
17 Claims. (Cl. 200-129)



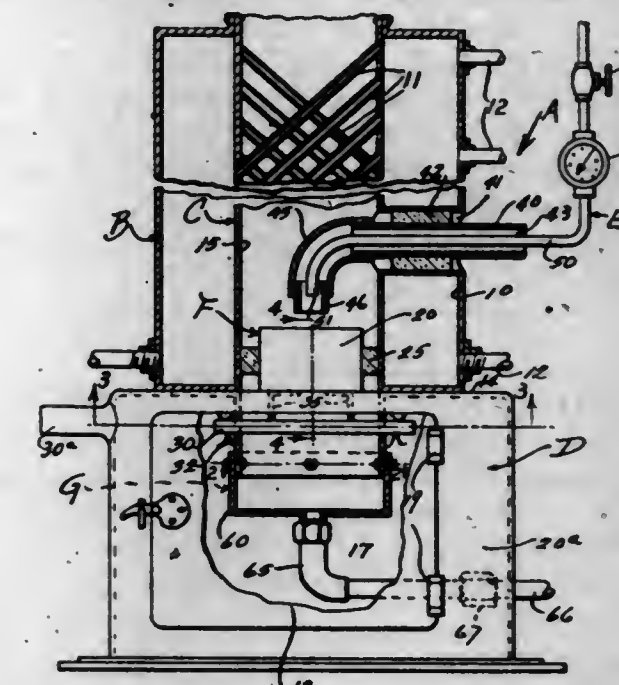
1. A fuse unit comprising a base of insulating material including a recess therein, a pair of terminals in said recess, one of said terminals comprising a threaded shell, an insulating member having a threaded portion for threadedly engaging said shell, said insulating member having a fuse receiving chamber adapted to house a fuse therein, said insulating member being so constructed and arranged that when said fuse is in said chamber and said insulating member is threadedly engaged with said shell in said base that one end of said fuse is electrically connected with said other terminal, and means for electrically connecting the other end of said fuse with said shell, said last mentioned means serving to lock said insulating member and said fuse in position so that shock or vibration will not cause its release.

2,386,061

OIL TREATER

William B. Rhees, Augusta, Kans.

Application August 25, 1941, Serial No. 408,252
9 Claims. (Cl. 122-177)

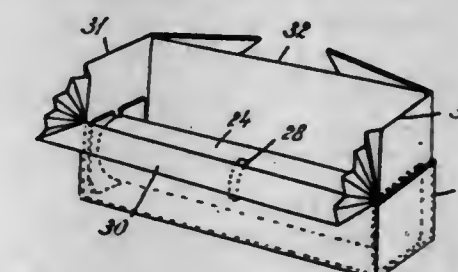


1. In a heater the combination of a container providing a chamber therein for receiving oil and the like to be heated, said container having a vertical flue passageway therethru for travel of combustion gas thru the container, a base receptacle for the container having the said passageway extended downwardly thereinto, a burner detachably mounted in said flue passageway, a fuel feed and air draft assemblage detachably mounted upon said heater and extending into the flue passageway above the burner, and means in the base receptacle for receiving and draining oil overflowing from the burner to a location remote from the burner.

2,386,062

PACKAGE FOR ROLLS OF FLEXIBLE MATERIAL

Bruno C. Roehrl, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application September 9, 1943, Serial No. 501,618
3 Claims. (Cl. 229-14)



1. A container of the type described having in combination a wrapper and a supporting box and cover within which the wrapper is retained, the height and width of the box being approximately equal, said wrapper being comprised of a single sheet of material folded so as to form a bottom, side and end members, the height of the side and end members being approximately twice the height of the corresponding side and end members of the box whereby the upper portion of the wrapper may be folded to form a substantially light-tight closure, and a series of bellows folds connecting one of the side members with the adjacent end members whereby, when the wrapper is opened the said side member may be folded forwardly and downwardly to facilitate removal of the packaged material.

2,386,063

SATURATED TERPENE RESINS

Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 15, 1942,

Serial No. 426,857

15 Claims. (Cl. 260—2)

1. The process of preparing a polymer which comprises treating a saturated bicyclic terpene with a catalyst capable of polymerizing said terpene at a temperature between about 0° C. and about 300° C. until polymerization is substantially complete.

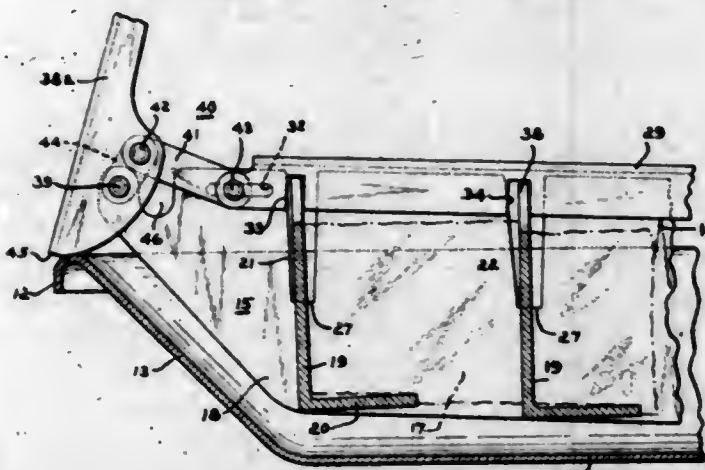
2,386,064

LIQUID CONGEALING APPARATUS

Jules N. Saler, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 3, 1937, Serial No. 157,117

6 Claims. (Cl. 62—108.5)



2. A freezing apparatus for liquids comprising in combination, a tray having a grid structure removably disposed therein, said grid structure including a vertically disposed longitudinal wall and a plurality of walls extending transversely from said longitudinal wall in spaced apart relation along the length thereof and dividing the tray into a plurality of ice cube compartments, said transverse walls being mounted on said longitudinal wall to slide therealong and rotate with respect thereto, and being provided with portions extending into said ice cube compartments, means for elevating said grid structure together with ice cubes adhering thereto relative to the tray, and for moving said transverse walls relative to said longitudinal wall to break the bond between the ice cubes and the grid walls and to elevate the ice cubes relative to said compartments.

2,386,065

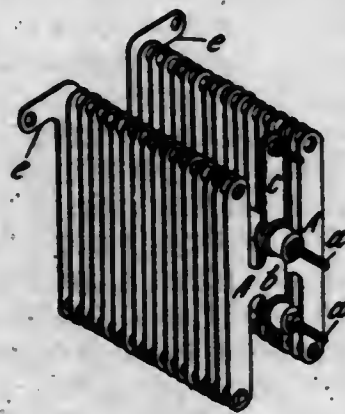
ELECTRIC RESISTANCE GRID

Leonard Satchwell, Marlow, England

Application June 12, 1943, Serial No. 490,566

In Great Britain June 27, 1942

20 Claims. (Cl. 201—69)



1. An electric resistance grid of zigzag form with parallel bars, stiffening members, some of

said bars formed with integral projections extending from the grid proper transversely of the plane thereof for attachment to the stiffening members whereby to improve rigidity, and some of said projections having extended portions arranged to provide tapping connections.

2,386,066

GLASS CLEANER

Raymond M. Schlabach, Canton, Ohio

No Drawing. Application October 29, 1943,

Serial No. 508,251

8 Claims. (Cl. 252—91)

1. The method of making a glass cleaner and the like, including the steps of treating kraft paper with an aqueous solution containing from 75 to 115 cc. glycerine and 150 gms. powdered silica per liter of water, and then drying the paper to evaporate the water and form a treated paper carrying glycerine and silica in the approximate amount of 15% to 20% by weight of untreated paper and in the approximate ratio of from 2 to 3 to equal parts by weight of glycerine and silica.

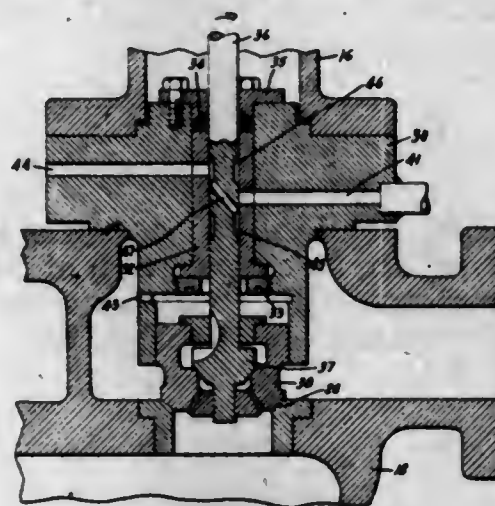
2,386,067

ELASTIC FLUID TURBINE ARRANGEMENT

Rudolf P. Schlenker, Lynnfield, Mass., assignor to General Electric Company, a corporation of New York

Application April 15, 1944, Serial No. 531,236

4 Claims. (Cl. 137—158)



4. A valve comprising a casing having a bore and a valve stem slidably projecting through the bore, and means for draining fluid leaking along the stem in open position of the valve including a drain channel formed in the valve casing and other means for rendering the first named means inoperative in closed position of the valve including another drain channel formed in the casing and leading to a portion of the valve stem axially spaced from the first mentioned channel.

2,386,068

ELECTRIC VALVE TRANSLATING APPARATUS AND METHOD OF OPERATION

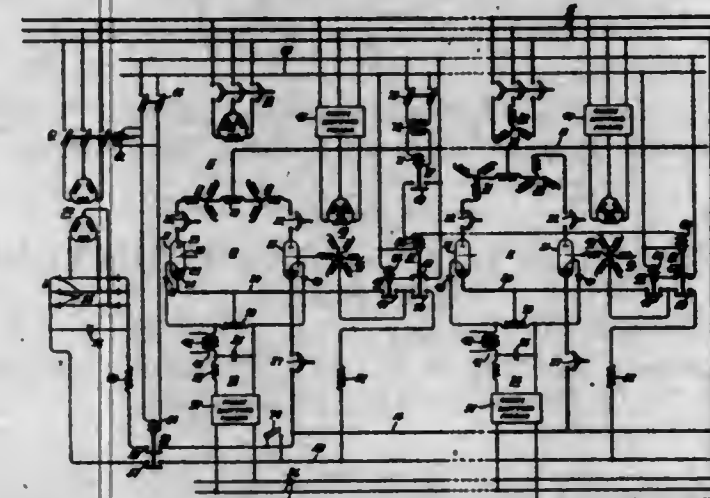
Albert H. Mittag and August Schmidt, Jr., Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application June 16, 1943, Serial No. 490,996

5 Claims. (Cl. 315—266)

1. In combination, an alternating-current circuit, a direct-current circuit, a plurality of groups of electric valve means connected between said circuits, each of said valve means comprising an anode, a pool-type cathode, a make-alive starting electrode, and a control member interposed between said anode and said cathode, means connecting the cathodes of said electric valve means

to one side of said direct-current circuit, excitation circuits for supplying electrical impulses to said starting electrodes at the periodicity of said alternating-current circuit to form periodically cathode spots, a plurality of excitation transformers arranged one with each of said groups of electric valve means and each having a winding including phase terminals connected with the control members of its associated group of electric valve means for impressing an alternating voltage thereon and a neutral terminal, a conductor common to the neutral terminals of all of said excitation transformers, means including a source of



unidirectional voltage for impressing between said conductor and all of said cathodes a unidirectional voltage with said conductor having a negative polarity, means connecting the neutral terminal of each of said transformer windings and said conductor to impress a negative bias voltage on said control members to maintain said valve means nonconductive while said starting electrodes are energized, and a single switching means for short circuiting the cathodes of said electric valve means to said conductor to remove said unidirectional voltage simultaneously from all of said control members.

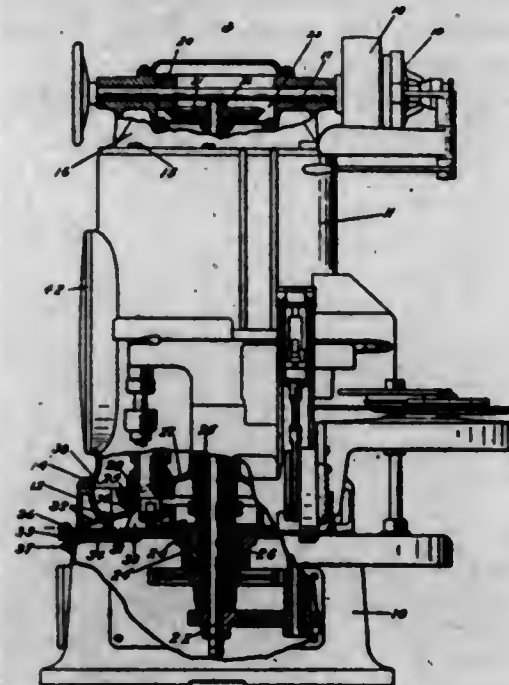
2,386,069

CAN DOUBLE SEAMING MACHINE

Jacob H. Schurch, Los Angeles, Calif., assignor to Angelus Sanitary Can Machinery Co., Los Angeles, Calif., a corporation of California

Application December 18, 1942, Serial No. 469,736

1 Claim. (Cl. 113—24)



In a can double seaming machine, a base structure having an upper relatively flat face, a guard ring secured upon said face, said ring being formed with an annular inwardly and upwardly extending drain wall defining a liquid reservoir, a cylindrical sealing lip along the inner upper edge of said wall, a housing agreeing in con-

figuration with the guard ring resting upon and secured to said guard ring adjacent the upper outer edge thereof, said guard ring providing openings from the housing to the atmosphere above the drain wall, a rotary turret mounted within the area circumscribed by the guard ring and including a cylindrical apron extending downwardly and around the lip of the annular drain wall to form a liquid seal therewith, whereby liquid from around the turret and within the housing may drain outwardly through the openings in the guard ring, and a fluid trap comprising a duct extending outwardly from the bottom of the liquid reservoir to a point beyond the guard ring and there terminating in a U-shaped duct extending vertically, the bend in the duct occurring in a horizontal plane a predetermined distance above the bottom of the reservoir, and the discharge end of the duct communicating with the atmosphere at a point below the level of the outwardly extending portion of the duct.

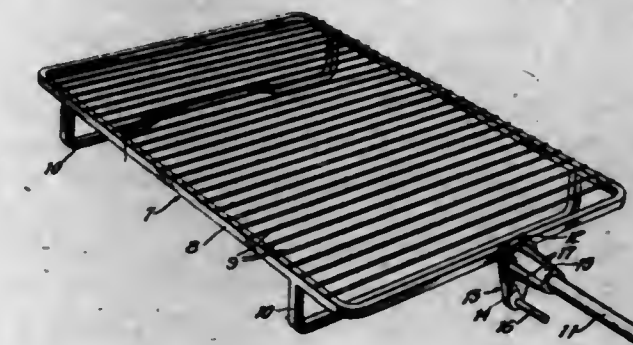
2,386,070

STATIONARY BROILING RACK

William H. Stangle, deceased, late of Evansville, Ind., by Citizens Trust & Savings Bank, administrator, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application June 12, 1943, Serial No. 490,669

2 Claims. (Cl. 99—340)



1. In a broiler having a chamber accessible from the front and provided in its rear wall with a rotatable chuck for turning a removable spit or grill, a stationary grill having a part adapted to be engaged by said chuck for supporting the grill in said chamber, and a pair of elements adapted for mutual engagement when in alignment and upon movement of said grill part toward engagement by said chuck, said elements being so formed and arranged as to be in alignment when said grill is in its desired position in said chamber and when in mutual engagement to prevent rotation of the grill.

2,386,071

CLUTCH CONSTRUCTION

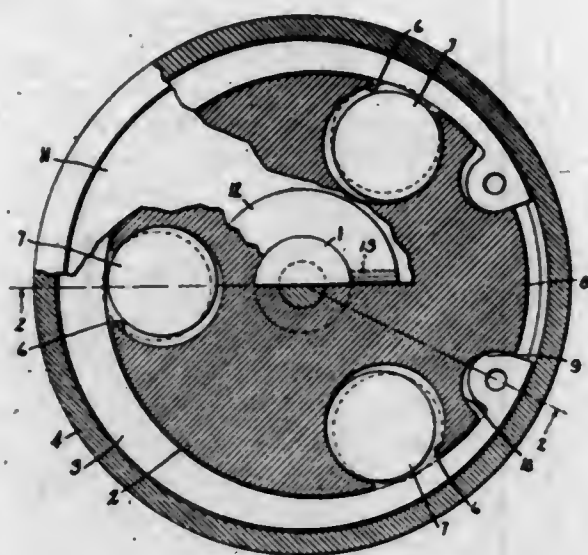
Hugh M. Stephenson, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application July 8, 1944, Serial No. 544,070

11 Claims. (Cl. 192—105)

1. A lag clutch including a driven member, a drive member, a spring arranged in radially spaced relationship between both of said members and constructed and arranged for providing a frictional driving connection between said driven and said drive members, and means including weights constructed and arranged to be retained in said drive member such that the inertia of said weights holds said weights out of contact with said spring when said drive member is being accelerated and such that centrifugal force biases said weights outwardly during a uniform speed

of rotation into contact with said spring for biasing said spring to provide said driving con-



nection between said drive member and said driven member through said spring up to a predetermined maximum torque.

2,386,072

METHOD OF MAKING SPONGE IRON

Enos A. Stewart, Canton, Ohio

Application February 28, 1944, Serial No. 524,161
9 Claims. (Cl. 75-33)

1. The process of reducing iron oxides which consists in forming a hollow block consisting of finely divided oxide and a binder, filling the interior and surrounding the exterior of said hollow block with finely divided carbonaceous material, holding the carbonaceous material in place by an inert casing and subjecting it to sufficient heat to generate reducing gases within and around the hollow block to substantially entirely reduce the oxides in the block producing a block of metallic iron.

2,386,073

METHOD OF REDUCING ORES AND OXIDES

John H. Stewart, Canton, Ohio

Application February 15, 1944, Serial No. 522,412
18 Claims. (Cl. 75-33)

1. The process of reducing iron oxides which consists in enclosing oxides in a container formed of a carbonaceous reducing agent and a binder, and subjecting the container and enclosed oxides to sufficient heat to generate reducing gases within the container said reduction being accomplished exclusively by the reducing agent in the container.

2,386,074

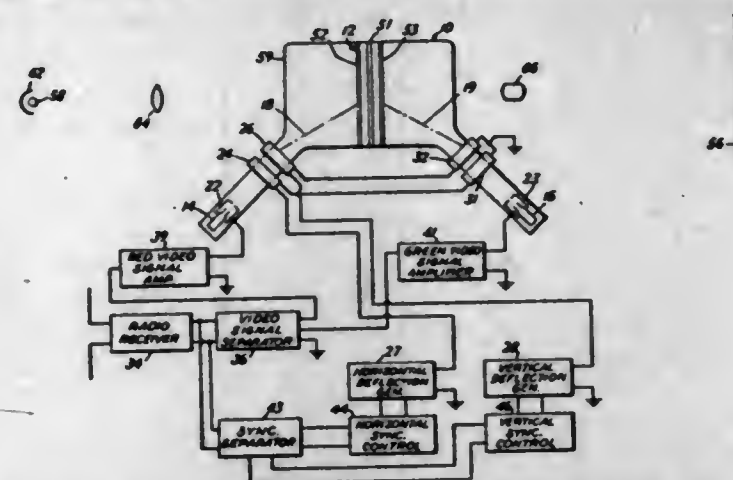
COLOR TELEVISION

George C. Sziklai, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 29, 1943, Serial No. 512,161
10 Claims. (Cl. 178-5.4)

1. In a system for reproducing images in color, a source of illumination, a viewing screen, a light controlling device interposed between said screen and said source, said light controlling device including a relatively undistortable screen, a red screen distortable on application of heat and a green screen distortable on application of heat, means for heating said red screen in successive localized areas under control of a green image signal modulated heat source, and means for heating said green screen in successive localized areas

under control of a red image signal modulated heat source whereby to produce in cooperation

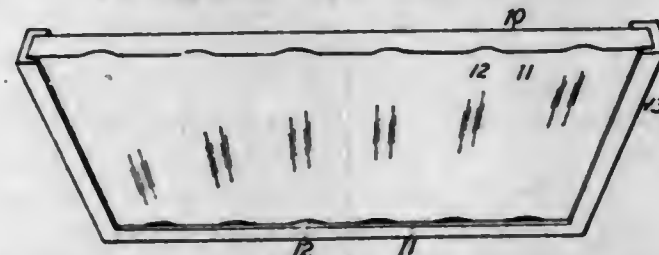


with said relatively undistortable screen a luminous image in colors on said viewing screen.

2,386,075

REFRACTION MEANS FOR PRESENTING PICTURES

Nawokich Tanaka, New York, N. Y.

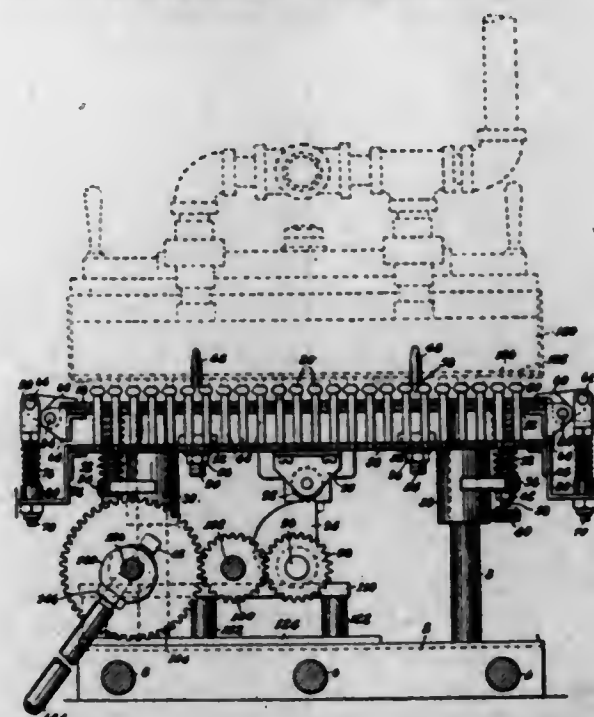
Application November 9, 1943, Serial No. 509,552
10 Claims. (Cl. 88-28.93)

1. A refractor of transparent material, having refractive surfaces sufficiently smooth for presenting pictures therethrough substantially without blurring and comprising strip parts of varying thickness with curved surfaces, interposed by parts of substantially even thickness; the widths of said parts being so chosen that not more than four of said parts of varying thickness can be fully embraced within the range of the mean interpupillary distance, each of said parts of even thickness having a width not larger than the mean interpupillary distance.

2,386,076

APPARATUS FOR REMOVING INDIVIDUAL UNITS

Harden F. Taylor and Vladimir A. Nedzvedsky, New York, N. Y., assignors to The Atlantic Coast Fisheries Company, New York, N. Y., a corporation of Maine

Application November 25, 1944, Serial No. 565,140
9 Claims. (Cl. 214-1)

1. An apparatus for removing unit objects carried in perforations of a transfer plate comprising

a stationary plate having perforations in alignment with the perforations of the transfer plate positioned thereon, a movable plate positioned beneath and in spaced relation to said stationary plate, ejector pins carried by said movable plate, each ejector pin being in alignment with a perforation in said stationary plate, a plurality of clamps positioned adjacent the edges of said stationary plate, means controlled by the upward movement of said movable plate to actuate said clamps to secure the transfer plate to said stationary plate, and means to move said movable plate in an upward direction whereby the clamps secure the transfer plate to the stationary plate and the ejector pins elevate the units from the transfer plate.

2,386,077

COLLAPSIBLE ROOF UNIT

Charles Burwell Kerrins Van Norman, Vancouver, British Columbia, Canada

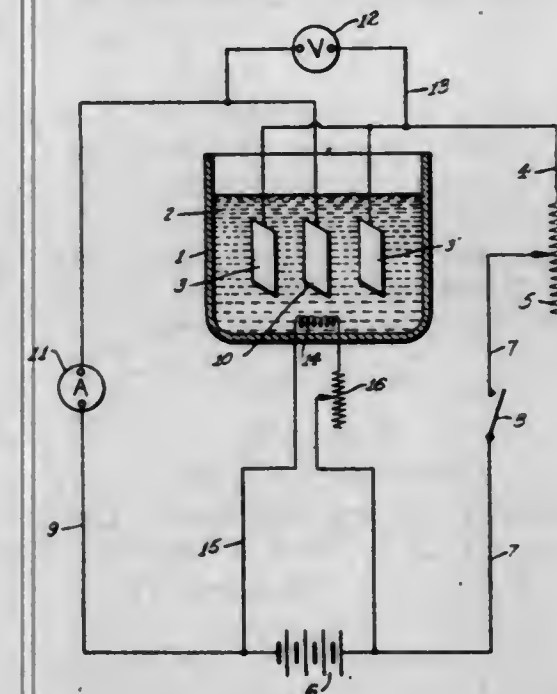
Application April 1, 1944, Serial No. 529,116
In Canada March 31, 1943
3 Claims. (Cl. 108-1)

1. A collapsible roof unit comprising a pair of roof panels hingedly connected together at their adjacent sides, said panels being adapted to lie at an angle to each other to form a peaked roof, a depending web hingedly mounted on each end of each panel, the ends of adjacent webs abutting when the panels are peaked, means for connecting the abutted ends of the webs, a ceiling panel hingedly mounted on the outer side of each roof panel normally extending inwardly toward the ceiling panel of the other roof panel, and means for rigidly connecting the adjacent ends of the ceiling panels.

2,386,078

ELECTROPOLISHING BATH

Samuel M. Weisberg and Irvin Levin, Baltimore, Md., assignors to Sealtest, Inc., Baltimore, Md., a corporation of Maryland

Application December 4, 1941, Serial No. 421,634
3 Claims. (Cl. 204-140)

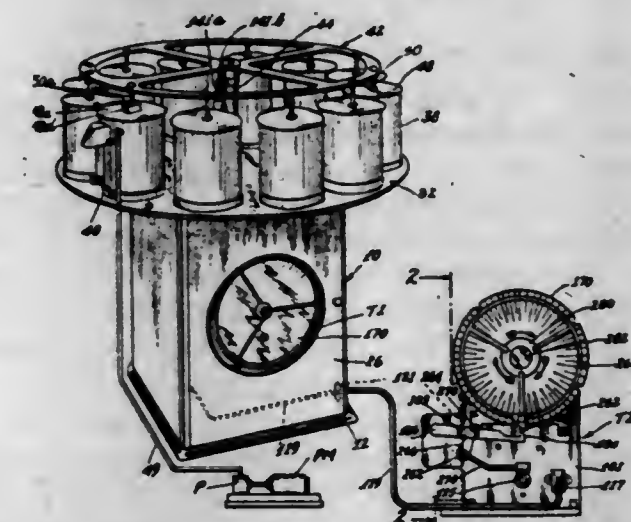
2. An electro-chemical polishing bath comprising essentially between about five and thirty per cent sulfuric acid, between about fifteen and

forty per cent lactic acid, between about thirty-five and sixty per cent of phosphoric acid, and between about two and twenty per cent of water, all proportions being by weight calculated on the basis of 100% concentrations of said acids.

2,386,079

AUTOMATIC IMMERSION APPARATUS

Edwin C. Welskopf, New York, N. Y.

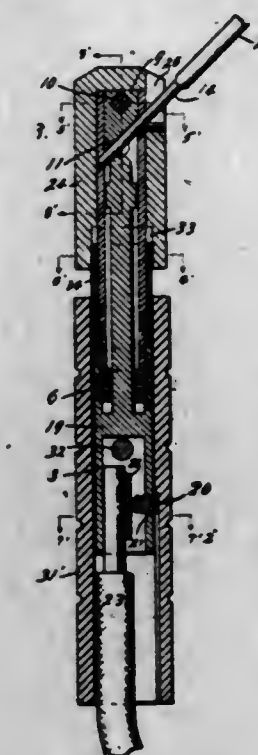
Original application February 20, 1941, Serial No. 379,800. Divided and this application December 4, 1942, Serial No. 467,828
16 Claims. (Cl. 91-46)

1. In an automatic immersion apparatus including a stationary receptacle adapted to contain a liquid, a carrier mounted for movement into and out of said receptacle, means for sealing said receptacle when said carrier is in said receptacle, a vacuum pump connected to said receptacle for creating a vacuum therein, means for actuating said pump and means operable in response to the movement of said carrier into said container for controlling the operation of said pump-actuating means.

2,386,080

ELECTRODE HOLDER

Ingvar J. Andersen, Oakland, Calif.

Application April 26, 1943, Serial No. 484,521
4 Claims. (Cl. 219-8)

1. In an electrode holder of the character described, a tubular base element open at its upper and lower ends, a centrally disposed stem member rigidly secured at its lower end within the tubular base element with its upper portion projecting upwardly and extending beyond the upper end of the tubular base, said stem member being

spaced inwardly from the wall of the tubular base element throughout the length of the upper open end of said element, a tubular cap element housing the upper portion of the stem member and adjustably secured to the base element, a bearing plug arranged within the upper end of the cap element and adapted to cooperate with the upper end of the stem member to clamp a welding rod therebetween when the tubular cap element is adjusted relative to the base element, and means for securing an electric supply cable to the lower open end of the tubular base element.

2,386,081

RECOVERY OF METAL VALUES

Raymond C. Archibald, Berkeley, and Robert A. Trimble, El Cerrito, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application November 4, 1943,

Serial No. 508,998

12 Claims. (Cl. 23-140)

1. In a method for producing a compound of a metal from the left sub-group of group VI of the periodic table in an ammonia soluble form, the steps comprising subjecting a sulfide of said metal, prepared from hydrogen sulfide and a compound of said metal, to wet oxidation to produce a substantially water insoluble, ammonia soluble oxide precipitate of said metal and recovering said metal oxide precipitate.

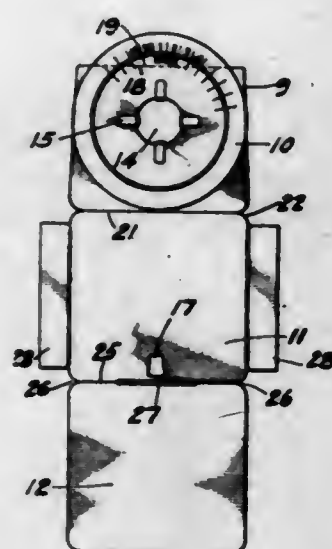
2,386,082

MOUNTING MEANS FOR ROTATABLE DISKS

Richard B. Attridge, Los Angeles, Calif.

Application August 14, 1943, Serial No. 498,659

3 Claims. (Cl. 235-122)



1. The combination, with a disk having a centrally apertured portion; of a mounting member for said disk carrying a plurality of fingers or ears which extend through the aperture of said disk and are outwardly directed from a common center to overlie the portion of the disk circumferential to its aperture to attach said disk pivotally to said member, said mounting member consisting of a semi-rigid sheet material and said fingers being integral therewith; and a supporting member of which said mounting member is a continuation and against which it is foldable to a position wherein said fingers are interposed between said two members and are thus maintained in their pivot forming relation to said disk, said supporting member and said mounting member invisibly enclosing between them said pivot fingers when the device is in the completed condition.

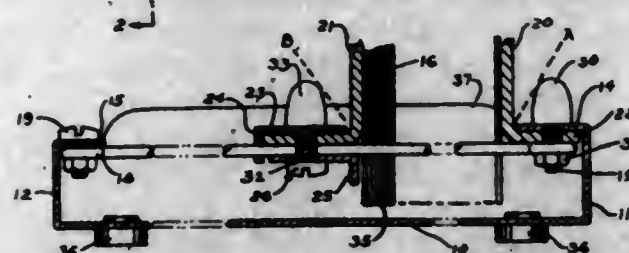
2,386,083

BINDER

Nathan August, Jr., Newark, N. J.

Application July 22, 1944, Serial No. 546,168

1 Claim. (Cl. 129-16)



A binder for holding articles, comprising a base plate, front and rear walls integral with said base plate, said front wall terminating in an angularly directed ledge portion, a pair of rail members secured to said walls in parallel spaced relation, a cover member provided with an angularly directed lower end, said angularly directed end being interposed between the ledge of the front wall and the rails, means to removably secure said lower end and rails together, a rear cover member provided with an angularly directed lower edge positioned on the rails, a plate positioned on the angularly directed lower edge of said rear cover, a second plate, means engaging said plates to lock said plates and said lower edge to the rails and to permit of the unlocking thereof for adjustment to compensate for removal or insertion of loose leaves or cards between said cover members, and means to removably secure the rails to the rear wall of the base plate.

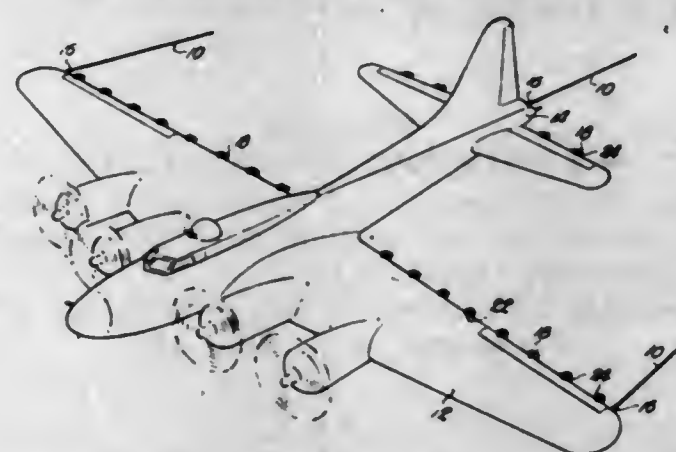
2,386,084

METHOD AND MEANS OF REMOVING STATIC CHARGE FROM MOVING BODIES

Ralph C. Ayres, Kansas City, Kans., assignor to Transcontinental & Western Air, Inc., Kansas City, Mo., a corporation of Delaware

Application October 4, 1943, Serial No. 504,840

11 Claims. (Cl. 175-264)



1. The method of removing static charge from an aircraft which consists in the steps of collecting a charge from the zone of charged atmosphere behind the aircraft; conducting said charge to electrodes mounted upon the aircraft; and discharging electrically charged liquid from the aircraft adjacent to each electrode.

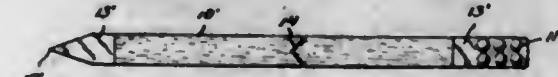
2,386,085

TOOTHBRUSH

Byron A. Babel, Highland, Calif.

Application July 7, 1943, Serial No. 493,768

1 Claim. (Cl. 15-167)



A ready to use disposable tooth brush including a water soluble handle equipped with a waterproofed terminal, dentifrice impregnated bristles

extending from said waterproofed terminal, the handle being provided with perforations approximately midway its ends to facilitate breaking of the handle, preparatory to disposing of the tooth brush.

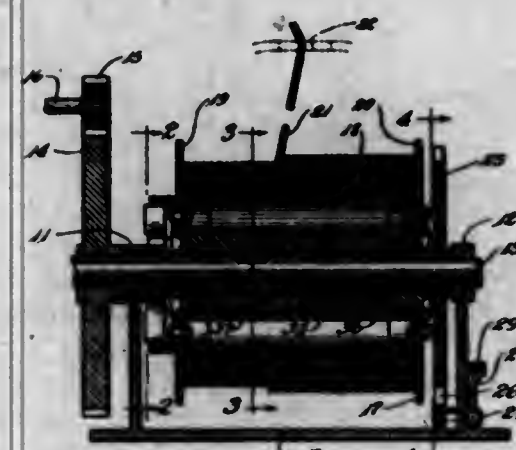
2,386,086

REELING APPARATUS

John D. Beebe, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application April 22, 1943, Serial No. 484,043

1 Claim. (Cl. 242-117)



Reeling apparatus comprising a reel having a winding drum for storing a line, an inner member extending therethrough, a sleeve fixed within said reel about and in radially spaced relation to said inner member, said sleeve being circumferentially discontinuous, and a body of resilient rubber-like material disposed radially between said sleeve and said inner member and extending axially along the same, said body being mounted under radial compression within said reel and being secured to said inner member and said sleeve for resisting pull of a line upon said reel by rotative distortion of said body, and said body by virtue of its disposition radially within said drum providing strong torsional force on said body under line pull on said drum.

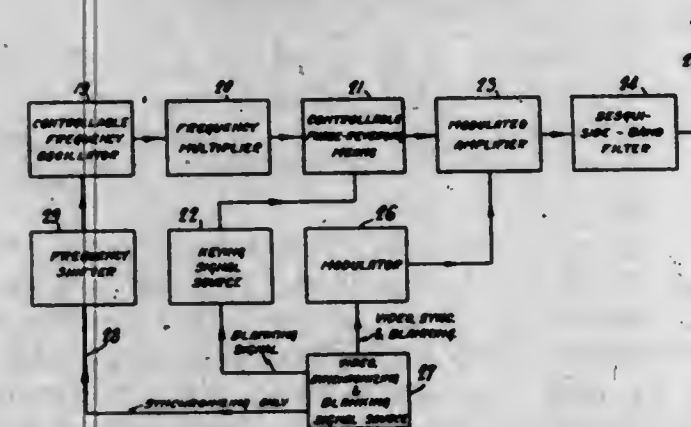
2,386,087

METHOD AND APPARATUS FOR REDUCING ECHO EFFECTS IN PICTURE TRANSMISSION SYSTEMS

Frank J. Bingley, Chestnut Hill, and William E. Bradley, Northampton, Pa., assignors to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware

Application March 6, 1942, Serial No. 433,660

35 Claims. (Cl. 178-7.1)



1. In a carrier wave television transmission system, the method of reducing the deleterious effects of echo signals on the desired signal, which comprises periodically altering the relative carrier phase of selected carrier intervals to produce echo images of contrasting characteristics in successive frames.

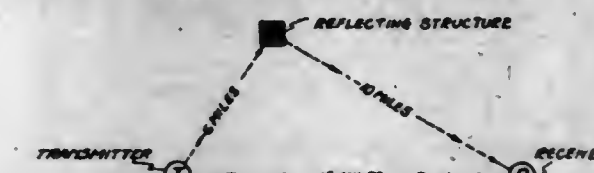
2,386,088

METHOD AND APPARATUS FOR REDUCING ECHO EFFECTS IN PICTURE TRANSMISSION SYSTEMS

Frank J. Bingley, Philadelphia, and William E. Bradley, Swarthmore, Pa., assignors to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware

Original application March 6, 1942, Serial No. 433,660. Divided and this application November 4, 1944, Serial No. 561,944

7 Claims. (Cl. 178-7.1)



1. In a constant-carrier-frequency television transmission system, the method of reducing the deleterious effects of echo signals on the desired signal, which comprises periodically altering the relative carrier phase of selected carrier intervals to produce echo images of contrasting characteristics in successive frames.

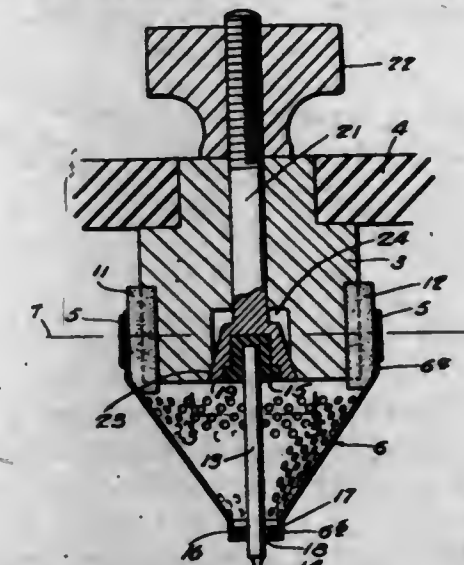
2,386,089

PHONOGRAPH PICKUP DEVICE

Lloyd J. Bobb, Glenside, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware

Application March 31, 1944, Serial No. 528,905

16 Claims. (Cl. 179-100.41)



1. The combination in a phonograph pick-up for playing lateral-cut recordings, of a moving coil pivotally mounted for rotary oscillation in a magnetic field about an axis of rotation extending transversely of the coil, an elongate stylus adapted at one end to engage a record groove, a resilient anchorage for the other end of said stylus, which anchorage is operative as a fulcrum about which said stylus is rotatable in response to actuation by the record groove undulations, said anchorage being yieldable to permit lengthwise oscillatory movement of said stylus to a limited extent, and structure intercoupling said coil with said stylus for translating lateral oscillations of the stylus into corresponding rotational oscillations of the coil about said axis, said stylus being movable lengthwise substantially without imparting motion to said structure.

2,386,090

COATING APPARATUS

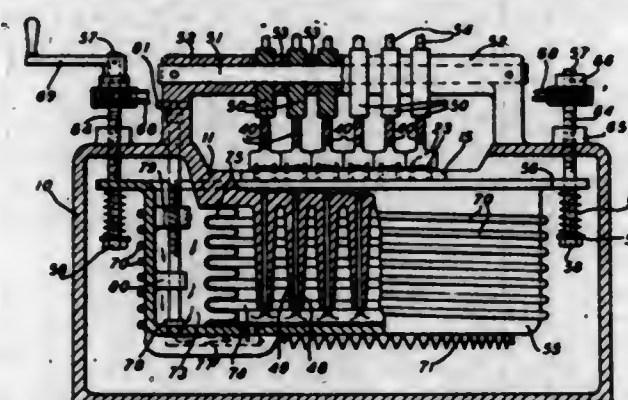
Yves A. Bouget, West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application July 3, 1943, Serial No. 493,337

16 Claims. (Cl. 91-12.5)

1. An apparatus for coating strands comprising a coating unit formed for the advancement

of a strand therethrough and having an inlet for a coating material for coating the strand, a supply of the coating material, an expansible and contractable chamber having a flexible wall, means affording communication between the

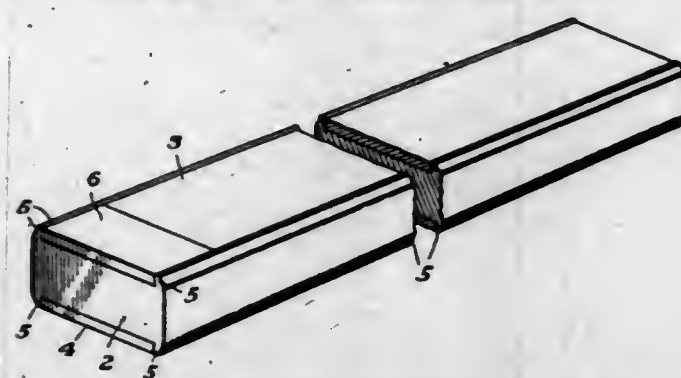


chamber and the said inlet, and means actuable to alternately expand and contract the chamber to respectively draw a quantity of the material from the supply into the chamber and force material from the chamber through inlet into the unit.

2,386,091

BIMETALLIC BILLET AND PREPARATION AND ROLLING THEREOF

William A. Carlson, Pittsburgh, Pa., assignor to Superior Steel Corporation, Pittsburgh, Pa., a corporation of Virginia
Application April 23, 1942, Serial No. 440,155
7 Claims. (Cl. 29-188)



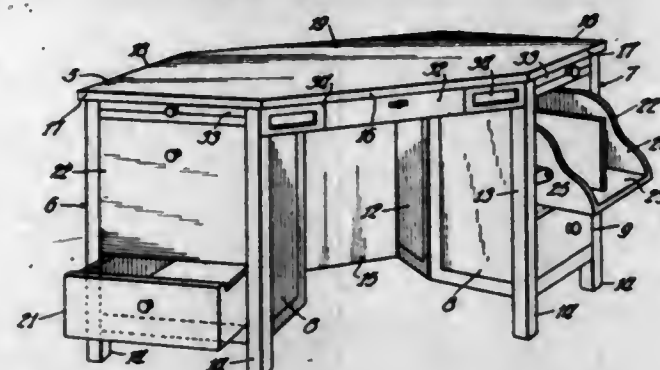
1. A method of preparing and rolling a bimetallic billet comprising forming billet components having different longitudinal extensibilities upon rolling of the bimetallic billet so that a component having a relatively great longitudinal extensibility is shorter than a component having a relatively small longitudinal extensibility, assembling said components so that the first mentioned component covers only a portion of an opposed face of the second mentioned component, leaving another portion of said face exposed, and thereafter applying a protective device to the exposed portion of said face to protect the same against oxidation, heating the bimetallic billet formed by assembly of said components and rolling the heated billet so that the first mentioned component is longitudinally extended relatively to the second mentioned component to cover said originally exposed portion of said face thereof.

5. A bimetallic billet comprising a relatively long component of metal having relatively small longitudinal extensibility upon rolling of the bimetallic billet and a relatively short component of metal having relatively great longitudinal extensibility upon rolling of the bimetallic billet, said components being held together, and a metal protective device separate from the second mentioned component disposed in longitudinal alignment with the second mentioned component connected with the first mentioned component and covering a portion thereof not covered by the second mentioned component upon assembly of the components to protect such portion against oxidation.

2,386,092

DESK

Irving Richard Cornish, Elmhurst, Ill., assignor of one-third to John Warren Paxton, and one-third to George Noble Paxton, both of Bloomington, Ill.; Arlie L. Paxton, and The National Bank of Bloomington, executors of said George Noble Paxton, deceased
Application December 31, 1943, Serial No. 516,321
7 Claims. (Cl. 45-70)

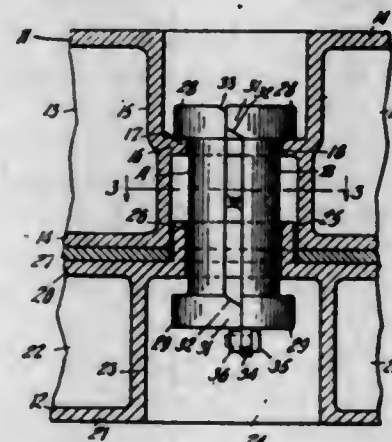


5. In a desk, the combination of an elongated desk top and hollow pedestals disposed under the end portions of said desk top and containing storage facilities, said pedestals having inner, and rear, side wall portions which converge respectively from widely spaced relation at the front and back of the desk to less widely spaced relation intermediate the front and back of the desk, whereby there is provided leg space under both the front and back portions of the desk top and between said pedestals, the converging pedestal walls which extend rearwardly from the front of the desk being disposed at a smaller angle to each other than the converging pedestal walls which extend forwardly from the back of the desk, whereby the leg space under the back portion of the desk extends lengthwise of the desk to a greater extent than the leg space provided under the front portion of the desk.

2,386,093

CAR CONSTRUCTION

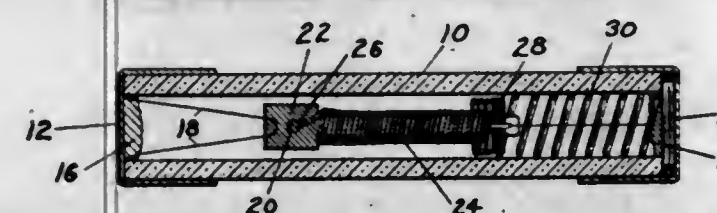
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application May 13, 1944, Serial No. 535,454
9 Claims. (Cl. 105-200)



4. In car construction, the combination with body and truck bolsters having aligned center pin receiving openings and abutment shoulders at said openings; of a two-part sectional pin insertable in said openings, each part comprising an elongated member having heads at opposite ends adapted to overlie said shoulders to prevent separation of the bolsters; and a lateral enlargement at one end of each member, said enlargements of said respective members being at opposite ends of the pin, the enlargement of each member having engagement with the inner side of the other member, said engagement being on flat vertical faces.

2,386,094

PROTECTOR FOR ELECTRIC CIRCUITS
Manfred F. Duerkob, St. Louis, Mo., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application May 15, 1943, Serial No. 487,418
52 Claims. (Cl. 200-123)

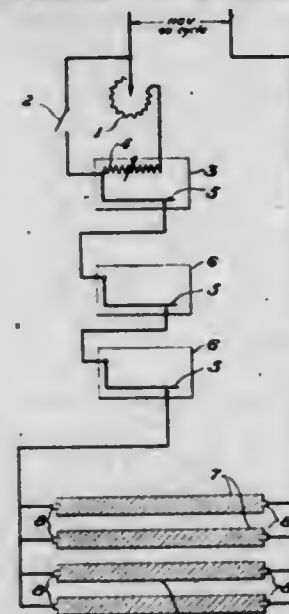


1. A protector for electric circuits that comprises contact terminals, a movable member, heat softenable material, a resilient member and a plurality of heat generating elements, at least one of which is fusible on predetermined overload of the protector, another of said heat generating elements being arranged so the major portion thereof is supported on and coextensive with said movable member and a minor portion thereof extends from said movable member to one of said contact terminals and is permanently secured thereto, said heat softenable material normally maintaining an electrical conducting relation between said heat generating elements and being arranged to permit an interruption of said relation by said resilient member when heated to a predetermined temperature.

2,386,095

HEATING DEVICE

Donald E. Edgar, Westport, and David J. Sullivan, Fairfield, Conn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 18, 1944, Serial No. 522,978
5 Claims. (Cl. 219-46)



1. An improved heating element adapted to develop heat when connected to a source of electric energy comprising a semi-conducting film of a polymeric organic substantially non-conducting composition containing an alkyd resin, a polyvinyl acetal resin, an insolubilizing agent for said acetal resin and a carbon black having an electrical resistivity of less than about 1.0 ohm per 1" cube, said film carrying electric connector terminals in direct contact therewith.

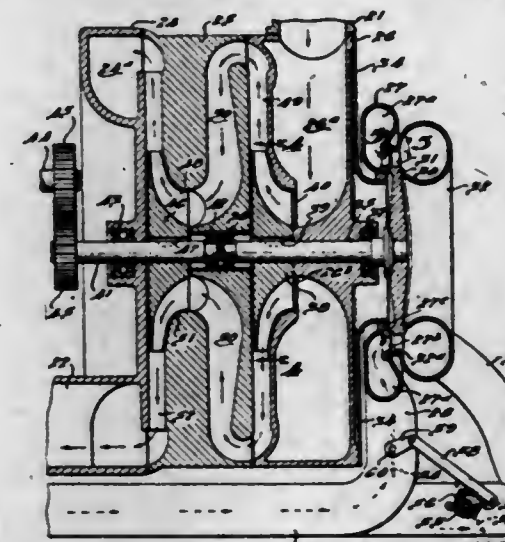
2,386,096

SUPERCHARGER

Gunnar E. Ehrling, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application September 24, 1941, Serial No. 412,085
8 Claims. (Cl. 230-130)

1. In a supercharger for an internal combustion engine having a drive shaft and an exhaust

conduit, a housing support, an impeller carried by said support and drivingly connected to said drive shaft, a second impeller carried by said support, a turbine rotor drivingly connected to said second impeller, a by-pass exhaust conduit operably associated with said rotor, means for automatically varying the flow of exhaust gases through said by-pass conduit to said turbine rotor, said means comprising a valve in said by-pass conduit and a flow actuated valve in said

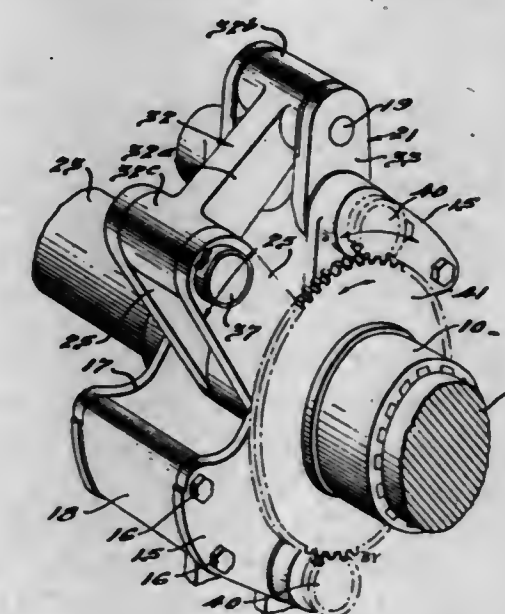


exhaust conduit connected to said first named valve for operating the same, a common air intake for both of said impellers, and a common air outlet from said impellers to the engine, the connection between said valves being such that said first named valve closes as said second named valve opens and vice versa and the speed of said turbine rotor increases or decreases in proportion respectively to the opening or closing of said first named valve.

2,386,097

COUPLING

Gunnar E. Ehrling, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application October 18, 1941, Serial No. 415,511
17 Claims. (Cl. 64-25)

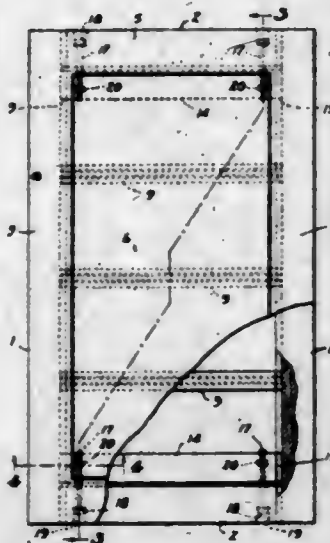


16. In a coupling for connecting together a driving shaft and a driven shaft arranged in substantial alignment, two diametrically arranged pairs of links at opposite sides of the axis of said shafts, the links of each pair being pivotally connected together, one link of each pair being pivotally connected to the driving shaft and the other pivotally connected to the driven shaft, a gear on each link which is pivotally connected to the driving shaft, and a gear axially arranged with respect to the driving shaft and meshing with said gears.

2,386,098

STRUCTURAL PANEL

Carl Englund, Mayfield Heights, Ohio
Application October 18, 1944, Serial No. 559,158
11 Claims. (Cl. 20-91)

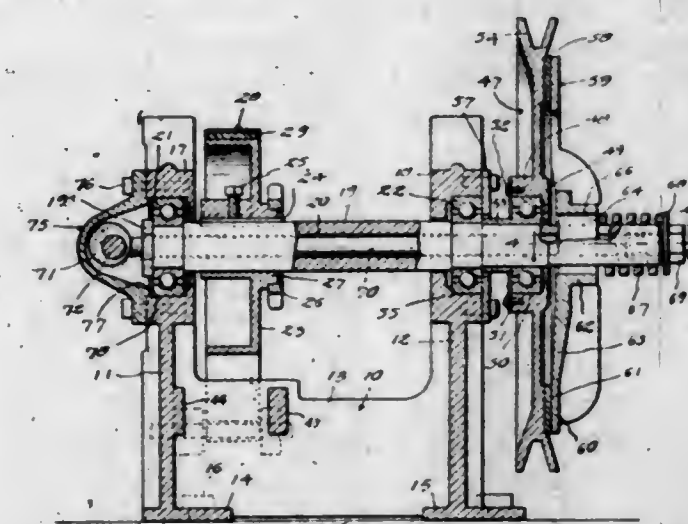


1. A structural panel having an interior frame comprising stiles and end and intermediate cross rails, facings attached to opposite sides of said frame, one of said facings having a central portion that is movable with respect to marginal portions thereof, said central portion being connected to said intermediate cross rails by tongue and groove joints, and tension adjusting members connecting said movable central portion to said frame adjacent the corners thereof.

2,386,099

CLUTCH AND BRAKE ASSEMBLY

Emil H. Erickson, La Crosse, Wis., assignor to Safficycles, Inc., La Crosse, Wis.
Application November 24, 1943, Serial No. 511,615
2 Claims. (Cl. 192-17)

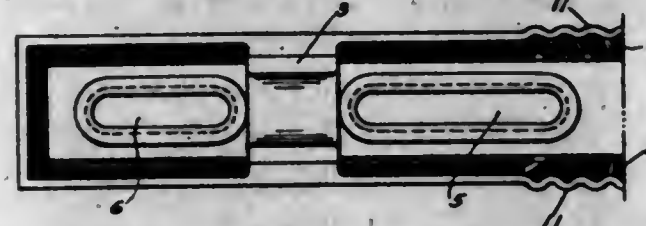


1. In a drive assembly, a hollow drive shaft, bearings for said shaft, a driven wheel rotatably carried by said shaft, a clutch element carried by said wheel, a second clutch element including a cylindrical hub having opposed keyways therein, a key slidably carried by said shaft and slidably engaging the keyways of said second clutch element for holding the latter against rotation relative to said shaft, said hub constituting the sole means for holding said key against lateral movement relative to said shaft, a spring engaging said key and said second clutch element for constantly urging the latter toward said first clutch element, a clutch releasing rod slidably within said shaft and engaging at one end against said key, a cam engaging the opposite end of said rod for moving said rod to clutch disengaging position, and a housing enclosing said cam.

2,386,100

METALLIC RAILROAD TIE

Augustus L. Ezell, Birmingham, Ala.
Application May 24, 1943, Serial No. 488,152
2 Claims. (Cl. 238-59)

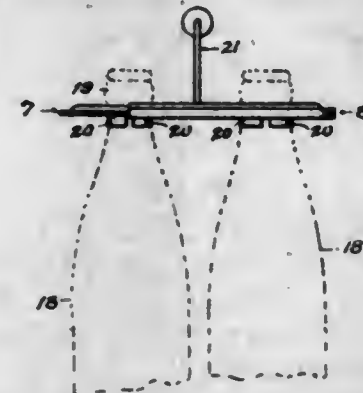


1. A metallic railroad tie comprising parallel side walls, a plurality of slanting corrugations positioned in the center portion of each side wall, said corrugations extending from the top to the bottom of said walls and being wider at their bottom ends than at their top ends.

2,386,101

CONTAINER CARRIER

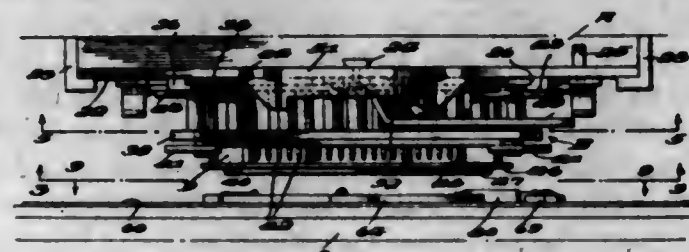
Theodore H. Firks and William E. Mackelfresh, Jr., Chicago, Ill.
Application March 10, 1944, Serial No. 525,932
7 Claims. (Cl. 294-87)



1. A carrier comprising two plate members, slidable one upon the other, and formed with opposed container neck clamping elements, and a handle functioning as a lever and having two legs extending through aligned slots in the two plate members, there being ribs offset outwardly from said slots, and said legs of the handle being arranged when moved upward to engage opposed ends of the ribs and therewith move the plate members in opposite directions toward each other in the plane of the device.

2,386,102
DIE

Louis G. Freeman, Jr., Cincinnati, Ohio, assignor, by mesne assignments, to Benjamin W. Freeman, Cincinnati, Ohio
Original application October 18, 1938, Serial No. 235,672. Divided and this application September 20, 1941, Serial No. 411,754
7 Claims. (Cl. 101-287)



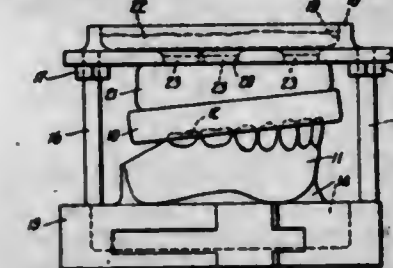
1. A gauge for use in aligning work to an ornamenting die comprising a master plate cooperative with a die unit and provided with an opening for passage of the die unit through the plate, said master plate also being provided with work gauging means projecting into said opening and having edge gauging portions of such a thickness that the space below said edges is less than the

thickness of the work, said gauging means being removably secured to said plate and interchangeable with other gauging means of different pattern, whereby when one die unit is replaced by another, the gauging means may be replaced on the plate by another conforming to the new die unit.

2,386,103

CHECKING DEVICE

Charles E. Galley, Chicago, Ill., assignor to Luxene Inc., a corporation of Delaware
Application March 31, 1943, Serial No. 481,250
3 Claims. (Cl. 33-174)

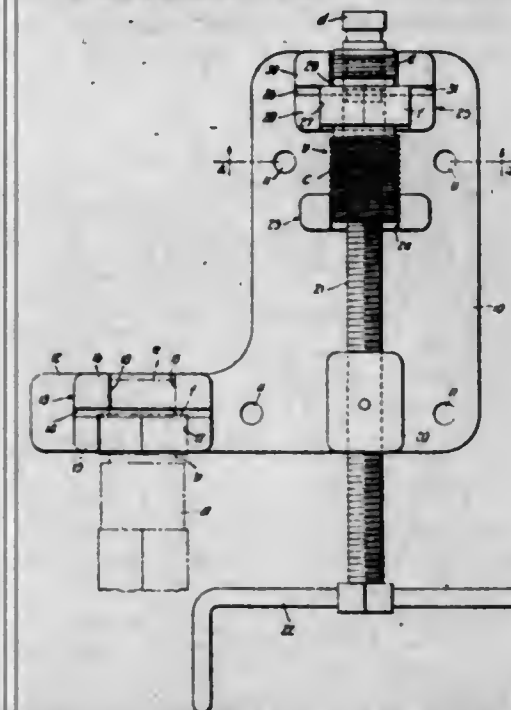


1. Method of checking a molded object against a pattern from which it is molded which comprises making an impression of the pattern on a substance sufficiently plastic to take the impression without distorting the pattern, securing the impressed substance while in position on the pattern to a gauge in contact with a reference surface, and testing the molded object replacing the pattern by the impression secured to the gauge with the latter in position on the same reference surface.

2,386,104

JIG

Charles E. Galley, Chicago, Ill., assignor to Luxene Inc., a corporation of Delaware
Application March 31, 1943, Serial No. 481,251
2 Claims. (Cl. 29-256)

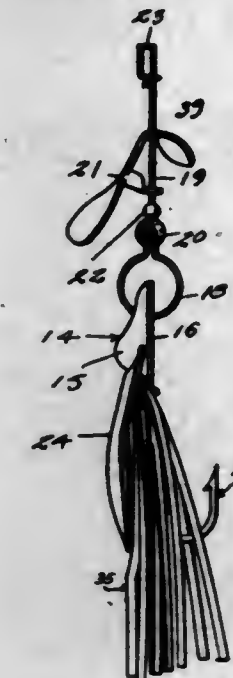


1. Jig for disassembling a device including a nozzle with a body portion of polygonal cross section with threaded ends extending from the body portion and a piston slidable therein, comprising in combination a bed plate, a boss projecting from the bed plate and slotted to form two sections, one of said sections having a depression of polygonal shape for receiving the body portion of the nozzle and the other section having a depression of semi-circular form for a threaded end of the nozzle, a rest for the opposite threaded end of the nozzle, and a screw in threaded engagement with a sleeve supported on the bed plate, said rest and sleeve being in axial alignment with the boss for directing the screw into contact with the piston within the nozzle and for forcing the piston therefrom axially of the nozzle.

2,386,105

FISH LURE

William Milton Gambill, Abilene, Tex.
Application May 27, 1943, Serial No. 488,718
10 Claims. (Cl. 43-48)



7. A fish lure comprising a bug simulating member formed of a weighted head and a concavo-convex body part, said head having a recess and a transverse opening intersecting said opening, an elongated narrow strip secured to said body part and extending into said recess, said strip having an opening adapted to align with the opening in said head, a hook formed of a shank, an eye at one end of the shank and a bill at the other end of the shank, said eye also engaging in said opening of said head, a guide for said shank carried by the concave side of said body part, a shaft formed with a split loop at its lower end, said loop engaging through the opening of said head, the eye of said hook and the opening of said strip to thereby hold said elements in assembled position, and a flexible hook concealing means mounted on said shank, said concealing means comprising a plurality of elongated elastic strips, and means securing said strips on said shank.

2,386,106

DETERGENT COMPOSITION

Wilmer C. Gangloff, Cincinnati, Ohio, assignor to The Drackett Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application March 3, 1942, Serial No. 433,236
5 Claims. (Cl. 252-161)

1. A detergent composition for cleaning polished surfaces of glass, said composition comprising from about 5% to about 30% of 2-methyl-2, 4-pentane diol, approximately 0.1% of a commercial wetting agent of the alkylated sulphate type, and the balance predominantly water.

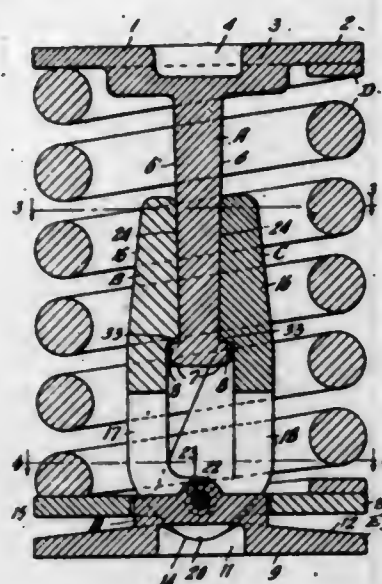
2,386,107

FRICITION SHOCK ABSORBER

William A. Geiger, Chicago, Ill., assignor to William P. Sidley, M. F. Back, Albert P. Withall, Edwin C. Austin, and George A. Johnson, all of Chicago, Ill., and Alice T. Miner, Chazy, N. Y., as trustees of The William H. Miner Foundation
Application January 6, 1944, Serial No. 517,177
4 Claims. (Cl. 267-9)

1. In a friction shock absorber, the combination of a tapered friction post, friction shoes em-

bracing said post on opposite sides thereof, said shoes having laterally outwardly projecting platform members extending toward and beyond the opposite shoes and adapted for rocking movement, said shoes and post being movable lengthwise with respect to each other, spring means opposing said relative longitudinal movement of

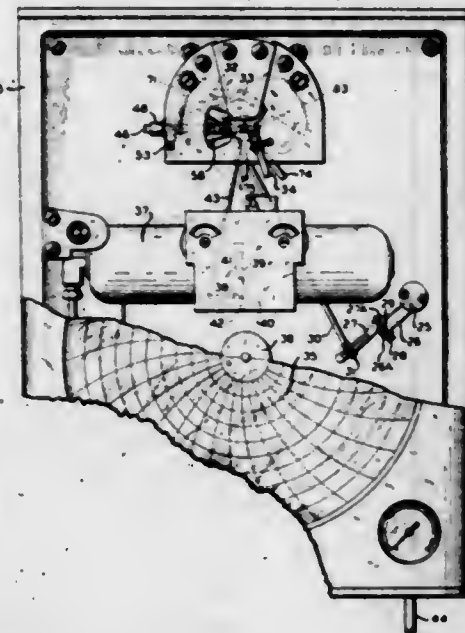


said shoes and post, said spring means bearing on said platform members to rock the shoes toward the post, said platform members having rounded bearing portions below the planes thereof, and a fulcrum plate positioned beneath the platform members and having bearing channels for supporting the rounded bearing portions of said platform members for rocking movement.

2,386,108

MEASURING INSTRUMENT

Louis Gess, Jenkintown, and Edwin C. Burdick, Philadelphia, Pa., assignors to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 7, 1942, Serial No. 461,172
14 Claims. (Cl. 137-68)

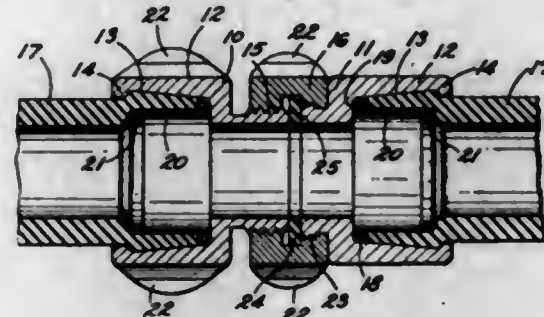


8. In an air control instrument, an element movable to various positions in accordance with the value of a condition to be controlled, air control mechanism operative to vary the pressure of a supply of air through a given range, means to adjust said mechanism to supply air normally at a pressure intermediate the ends of said range, and means operated by said element to adjust said mechanism to supply air at a pressure above or below said intermediate pressure only when said condition varies to either side of a limited range within the range of operation of said instrument.

2,386,109

HOSE COUPLING

Donald P. Glessner, Wooster, Ohio, assignor to Akron Brass Manufacturing Company, Inc., Wooster, Ohio, a corporation of Ohio
Application December 9, 1943, Serial No. 513,515
2 Claims. (Cl. 285-84)

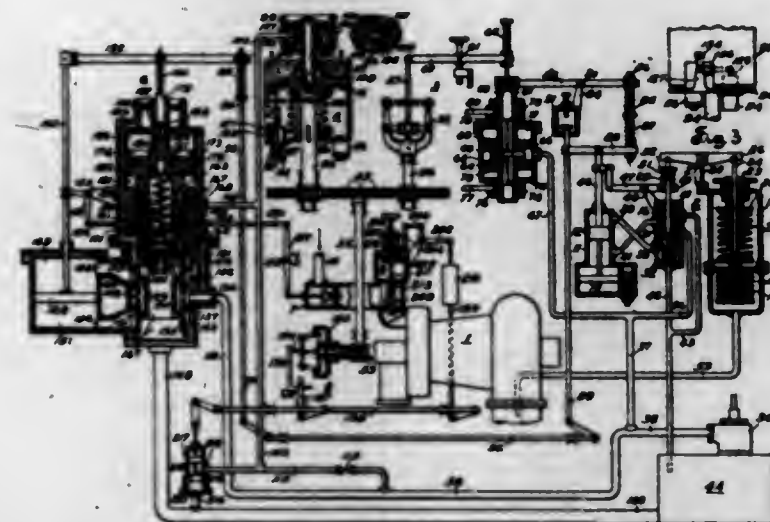


1. A hose coupling comprising a body member having a conical bore therein for the reception of the end portion of a hose, an annular internal rib in the outer end of said body member, a shoulder at the inner end of said bore, a deformable washer in said bore disposed in abutting relation with said shoulder and the end of the hose, an expansible ring within the hose and washer, a rounded bead in the outer end of said ring, said bead being disposed in longitudinal spaced relation with said rib, the opposed end of said ring being disposed in abutting engagement with the shoulder and in supporting relation with the washer when the ring is expanded for compressive engagement with the hose and washer.

2,386,110

TURBINE CONTROL APPARATUS

John R. Hagemann, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application January 22, 1942, Serial No. 427,698
9 Claims. (Cl. 137-158)



1. In combination in a prime mover embodying means for conducting motive fluid to the prime mover and control means including a governing device for automatically regulating the flow of motive fluid to said prime mover in accordance with variations in an operating condition thereof, an inertia device movable independently of said governing device in response to the rate of change of prime mover speed, said control means including at least one part which is moved to a position for effecting a termination of said flow in response to a speed-increasing produced movement of said inertia device, and additional means operative to retain said part in said position for a time interval sufficient to terminate said flow each time said part is so positioned by a speed-increasing produced movement of said inertia device.

2,386,111

DITHIOFUROATES

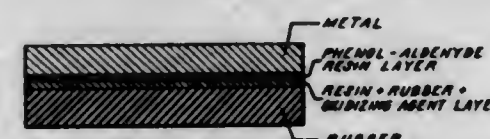
Albert F. Hardman, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application January 5, 1944, Serial No. 517,107
7 Claims. (Cl. 260-345)

1. A process for preparing amine salts of dithiofuroic acid, which comprises reacting a mixture of furfural, sulfur, a primary aliphatic amine and hydrogen sulfide and recovering the resulting amine salt.

2,386,112

BONDING RUBBER TO OTHER SURFACES

Henry H. Harkins, North Providence, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Original application July 2, 1938, Serial No. 217,228. Divided and this application October 7, 1942, Serial No. 461,211
8 Claims. (Cl. 154-2)



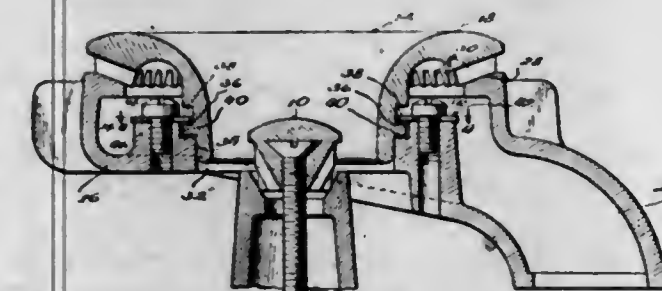
1. A process of bonding rubber to solid non-rubber surfaces which comprises applying to said surface a base coat consisting essentially of a soluble reactive phenol-aldehyde resin, applying to said base coat an adhesive composition comprising rubber, a soluble reactive phenol-aldehyde resin, and an oxidizing agent selected from the class consisting of tetrachloroquinone, para-benzoquinone, benzoyl peroxide, polynitroaryl compounds, quinone-imines, lead peroxide, manganese dioxide, mercuric oxide, and lead chromate, and thereafter applying a vulcanizable rubber stock, and heating the assembly.

6. A process for producing articles having a rubber surface securely adhered to a surface of phenolaldehyde resin, which comprises superposing on a surface of heat-hardenable phenolaldehyde resin, a composition containing rubber and a non-sulphur-containing organic vulcanizing agent selected from the class consisting of tetrachloroquinone, para-benzoquinone, benzoyl peroxide, polynitroaryl compounds, and quinone-imines, and heating the assembly to vulcanize the rubber and harden the resin, whereby the rubber becomes securely adhered to the resin surface.

2,386,113

GAS BURNER

Philip S. Harper and George F. Turner, Chicago, Ill., assignors to Harper-Wyman Company, Chicago, Ill., a corporation of Illinois
Application February 19, 1941, Serial No. 379,618
20 Claims. (Cl. 158-116)



20. A gas burner, including in combination, a burner base having inner and outer wall defining

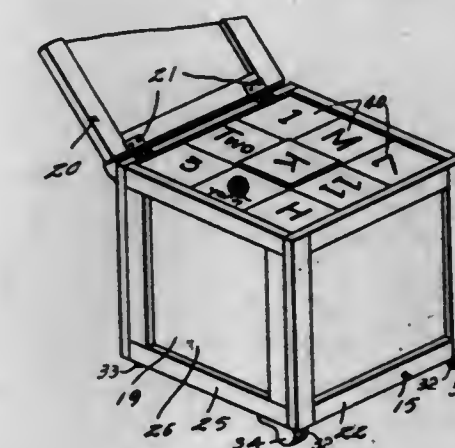
579 O. G.-8

structure, a burner head having inner and outer wall defining structure cooperating with said base to form a burner chamber and gas outlet ports, the inner and outer walls of said base and head being concentrically arranged to enable the head to be rotated relative to the base, and means for detachably securing the head to the base including opposed structures on the base and head adapted to be brought into interlocking engagement upon limited rotation of the head relative to the base and certain of which are somewhat resilient.

2,386,114

TOY BLOCKS AND CONTAINER

Louise A. Hayes, Washington, D. C.
Application April 14, 1944, Serial No. 531,081
2 Claims. (Cl. 35-69)

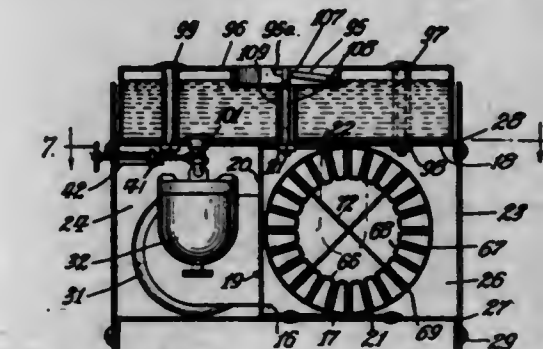


1. In a toy comprising a receptacle, a plurality of blocks disposed in layers and columns in said receptacle, a block-ejecting plate normally resting on the bottom of said receptacle and engaging a column of said blocks from beneath, a stem secured to said plate and slidably extending downwardly through the receptacle bottom, a rock lever pivotally secured at one end to said stem and extending beyond the receptacle, and means pivotally supporting said lever intermediate the ends thereof whereby downward pressure upon said lever will raise a column of said blocks engaged by said plate above the level of the blocks in the respective layers to enable the uppermost block of said column to be grasped and removed from the receptacle.

2,386,115

HEATING SYSTEM

Harry B. Holthouse, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application January 19, 1942, Serial No. 427,355
8 Claims. (Cl. 126-110)



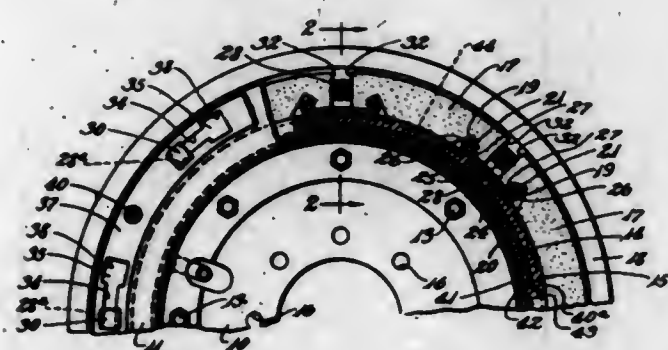
1. A heating unit of internal combustion type adapted to be suspended from one point in a substantially horizontal position, comprising frame means including a pair of horizontal supporting members, a vertical spacing member connecting said two supporting members and extending lon-

itudinally of said unit, a combustion chamber on one side of said spacing member, means for supplying air to said combustion chamber, means for operating said air supply means, said air supply means and operating means being located on the opposite side of said spacing member, a fuel tank mounted on the upper one of said supporting members, suspension means extended vertically through said fuel tank, and means anchoring said suspension means with said frame means at said one point.

2,386,116

FRICTIONAL MECHANISM

Willson H. Hunter, Lakewood, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application December 11, 1943, Serial No. 513,822
18 Claims. (Cl. 188—152)

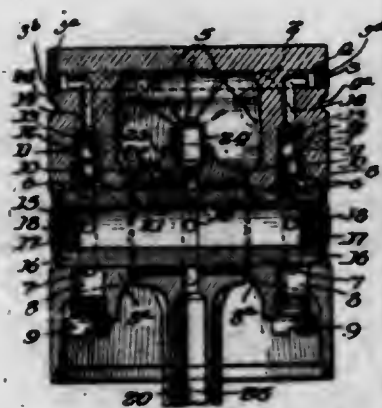


1. In a frictional mechanism a plurality of circumferentially disposed pressure elements having recesses in their walls and C-shaped springs having converging portions engaging in the recesses of adjacent elements in a manner to exert resilient pressure against said elements directly in the circumferential direction for resisting circumferential separating movement of said elements, said springs being disposed entirely within said recesses of adjacent pressure elements.

2,386,117

ENGINE PISTON CONSTRUCTION

Rasmus M. Hvid, Wilmette, Ill.
Application December 29, 1943, Serial No. 516,000
18 Claims. (Cl. 309—7)



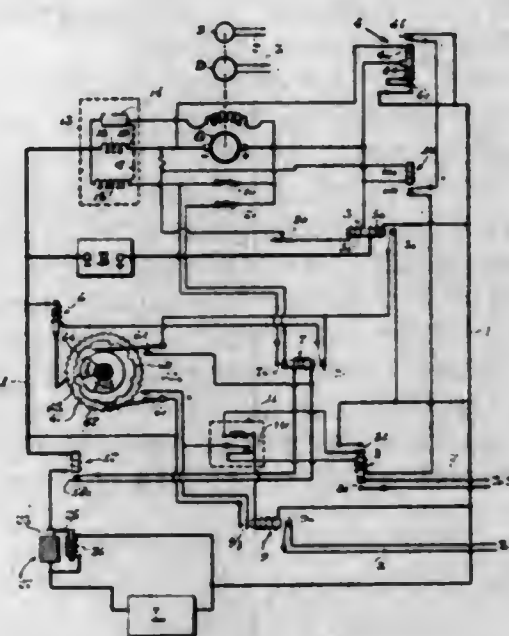
9. A piston construction comprising a hollow piston head having a peripheral groove formed on the exterior surface of the side wall of said piston head, a resilient piston ring held within said groove, the exposed side of said ring being adapted to slidably engage the inner surface of the cylinder wherein the said piston is to operate, the radial depth of said peripheral groove being such as to provide an annular oil chamber surrounding the rear side of said piston ring, a piston rod, a wrist pin providing a confined oil chamber therein and connecting the piston head

to the piston rod, a plurality of passageways being formed in the hollow piston head connecting the said annular oil chamber to the oil chamber housed in said wrist pin, a one way check valve disposed in each of said passageways to allow the flow of oil therethrough into said annular oil chamber from said oil chamber housed in the wrist pin whereby the said annular oil chamber is filled with oil during operation of the piston, said valves locking a body of oil in said annular oil chamber to fill completely the latter when the pressure in the cylinder exceeds the pressure exerted on the body of oil contained in the chamber housed in the wrist pin, said body of oil contained in said annular chamber serving to lubricate with an oil film the inner surface of the cylinder wall when the gas pressure above the piston head forces oil through the clearance between the said piston ring and piston head, a spray nozzle disposed on the upper end of said piston rod and within the said piston head, said nozzle being connected by a passageway with the body of oil housed in the oil chamber in said wrist pin whereby a cooling spray of oil is forced upon the inner surface of said hollow piston, and a spray nozzle disposed on the top of said piston rod and within the hollow piston head, said spray nozzle being in communication with the said oil chamber housed in the wrist pin.

2,386,118

BATTERY-GENERATOR POWER SUPPLY SYSTEM

Donald G. Ihrig, Evanston, Ill., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application December 9, 1944, Serial No. 567,334
15 Claims. (Cl. 290—30)

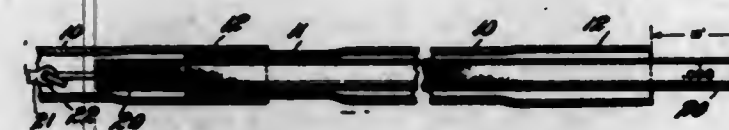


1. In a power supply system including a battery, a generator for supplying current to a load and charging current to said battery, said battery serving to supply the power during temporary intervals when the generator is stopped, means for driving said generator and means for stopping said drive means; a control system for said stopping means comprising a first relay controlled by said battery-charging current, a second independent relay controlled by said load current, and means operatively connecting said relays with said stopping means for controlling the stopping means in accordance with the independent values of said charging and load currents.

2,386,119

METHOD OF CONTINUOUSLY SHIELDING WIRE IN UNLIMITED LENGTHS

Norman H. Jack, Philadelphia, Pa.
Application December 30, 1942, Serial No. 470,691
5 Claims. (Cl. 29—155.42)

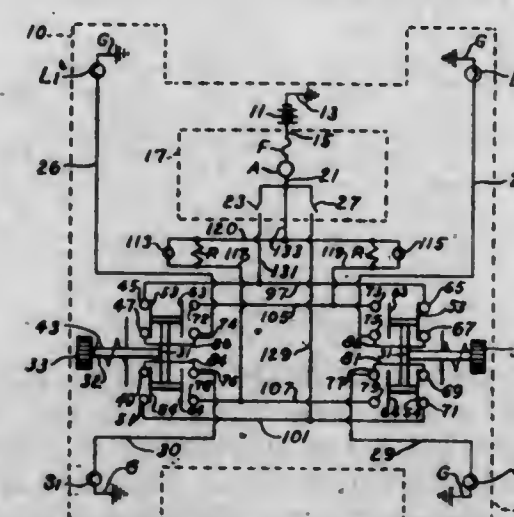


1. The method of continuously shielding wire in unlimited lengths, comprising providing a plurality of lengths of shielding tubing, slightly larger in internal diameter than the external diameter of the wire to be shielded and sufficient in end-to-end relation to cover the required length of wire when drawn down onto that length of wire, contracting one end and expanding the opposite end of each of said lengths of tubing, engaging said lengths of tubing over the length of wire to be shielded with the contracted end of one length of tubing opposed to the expanded end of the adjoining length of tubing and relatively shifting adjoining lengths of tubing to effect telescopic engagement of the adjoining contracted and expanded ends of the lengths of tubing and then drawing said lengths of tubing and telescopically engaged joints down onto the enclosed wire, the drawing being accomplished by passing the wire covered with the lengths of tubing through a sinking die and in the direction in which the contracted ends of the tubing are faced, to thereby effect the closing of the expanded ends down over said contracted ends of the tubing.

2,386,120

VEHICLE SIGNAL

Jolly James, Melvindale, Mich.
Application February 3, 1943, Serial No. 474,516
6 Claims. (Cl. 177—337)



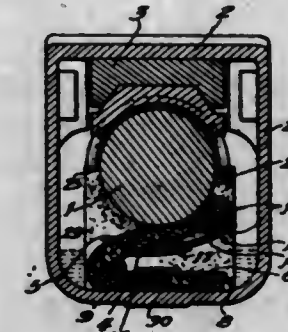
1. A vehicle signal system comprising, a vehicle, four electric lights one being mounted adjacent each fender of the vehicle, a source of electrical energy, conductors, a conventional switch and connections for simultaneously energizing the two forward lights, a conventional switch and connections for simultaneously energizing as a pair the two rearward lights, such previously mentioned elements being standard equipment as regularly provided on vehicles, two operativeness indicating devices, and signal switch means having contacts and connections normally maintaining control of said lights through said regular switches and adapted for actuation to take control for simultaneously flashing either the two

lights on the right-hand side of the vehicle with both indicating devices, flashing the two lights on the left-hand side of the vehicle with both indicating devices, or to flash all four of said lights with said indicating devices and thereafter to restore control to the regular switches.

2,386,121

JOURNAL LUBRICATING DEVICE

Edward C. Jeffers and Martin C. Jeffers, Chicago, Ill.
Application October 16, 1943, Serial No. 506,478
11 Claims. (Cl. 308—88)



1. A lubricating device for a journal extending through an end wall of and into a journal box having a well below the journal for holding a lubricant, comprising a sheet of porous fibrous material having a base segment for location in the well and an upwardly extending segment for pressing against the journal and being disposed at an acute angle to the base segment, a pressure plate connected to said pressing segment, a resilient member connected to said pressure plate, and reacting against said base segment to press said pressing segment against the journal.

2,386,122

INJECTOR FOR CONDUITS

Leendert Klingen, Martinez, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 4, 1944, Serial No. 552,709
10 Claims. (Cl. 299—114)



1. In equipment of the class described, the combination comprising conduit means and a plurality of injection ports in flow communication with said conduit means and lying in a plane which makes an angle of substantially 15° with a plane perpendicular to the longitudinal axis of said conduit means so that the said ports are inclined in the direction of normal flow through said conduit means, each of said injection ports being also radially askew in the same direction with respect to the longitudinal axis of said conduit means.

2,386,123

DROP PLATE VENDING MACHINE

Nick J. Lamendola, Des Moines, Iowa, now by judicial change of name Nicolas J. La Doal
Application May 13, 1940, Serial No. 334,735
3 Claims. (Cl. 312—94)

2. In a vending machine, the combination of a plurality of hinged vertically spaced apart plate members for supporting merchandise when in horizontal positions, a substantially vertical shaft rotatably mounted adjacent the horizontally ex-

tended free ends of said plate members, a plurality of projections on said shaft capable of engaging said plate members for holding the same in substantially horizontal positions at times, said projections extending in a fragmentarily spiral path on said vertical shaft, a flexible member having means operatively engaging each of said plate members for raising said plate members into substantially horizontal planes for engagement with



the projections on said vertical shaft, the points on the flexible member at which the individual plate members engage the said flexible member being so arranged that when a portion of said flexible member adjacent the topmost plate member is raised upwardly, all of said plate members are brought into horizontal planes at substantially the same time, and means for raising said portion of said flexible member.

2,386,124

ARCH BAR CLIP

Jacob E. Laskin, Shaker Heights, Ohio
Application April 24, 1943, Serial No. 484,375
4 Claims. (Cl. 32-14)



1. An orthodontic appliance for the support of a spring wire, comprising a block having openings therein for the reception of a wire, said block having a kerf therein, a pair of arms separated by said kerf, said arms having a slot therein normal to said kerf, said slot being transversely smaller at its outer ends than the width of an arch bar and transversely larger at the center than the bar, webs in said arms intermediate the ends thereof, said webs having notches in the outer edges thereof to influence the direction of movement of the arms, whereby the width of the outer ends of said slot is enlarged when the arms are pressed together for the reception of the arch bar.

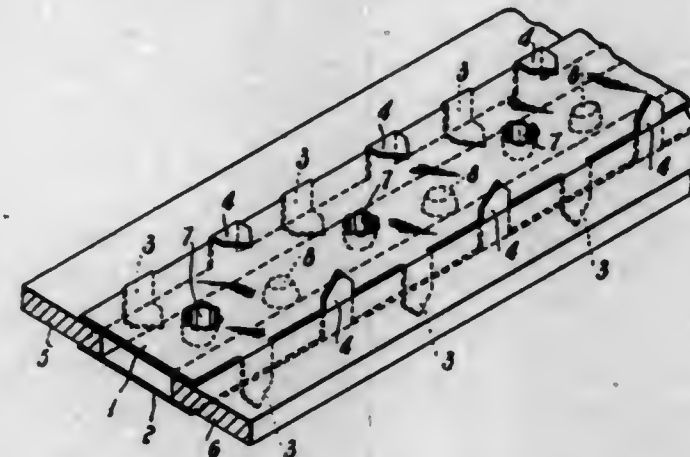
2,386,125

MEANS FOR FEEDING DEICING LIQUIDS TO AIRFOIL SURFACES

Camille Clare Sprankling Le Clair,
Ealing, London, England
Application November 2, 1942, Serial No. 464,186
In Great Britain June 28, 1941
12 Claims. (Cl. 244-134)

11. Means for feeding de-icing liquids to the surfaces of parts of aircraft such as airfoils and

the like, comprising at least one channel element, including in combination, a strip of capillary material, two spaced apart superimposed longitudinal, rigid liquid impervious walls, one longitudinal edge of said capillary strip being positioned between said longitudinal walls, a side

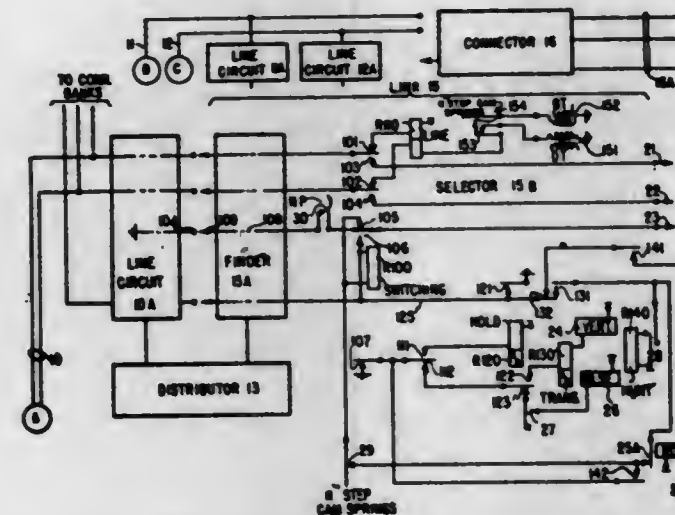


wall connecting said longitudinal walls opposite said capillary strip and spaced from said strip to form a passage therebetween, and means including structure integral with at least one of said walls and passing through said capillary strip for clamping said longitudinal walls to said strip.

2,386,126

TELEPHONE SYSTEM

Clarence E. Lomax, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware
Application January 8, 1943, Serial No. 471,684
19 Claims. (Cl. 179-18)



1. In a telephone system, a plurality of lines a group of which are arranged for conference service, apparatus for providing conference connections between the lines of said group, and pre-settable means controllable over any line of said group prior to the setting up of a given conference connection for preventing more than a predetermined number of lines of said group from gaining access to said given conference connection.

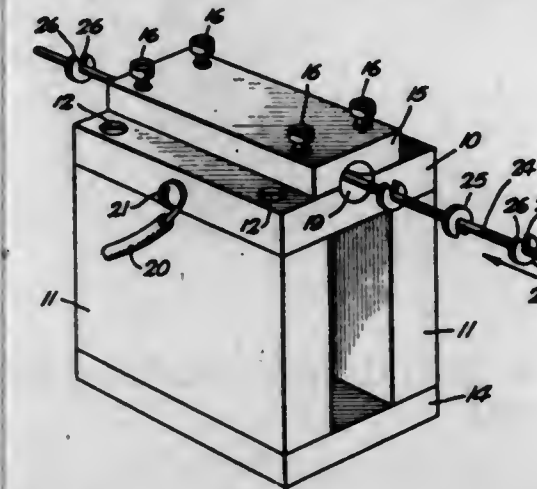
2,386,127

TESTING APPARATUS

Harold R. Longfellow, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 11, 1942, Serial No. 457,949
4 Claims. (Cl. 175-183)

2. In an apparatus for testing a conductor having spaced insulators thereon, a stationary electrode having an axially straight depression formed therein, a plurality of pins secured to

the stationary electrode on opposite sides of the depression, and a second electrode slidably mounted on the pins for movement with respect to the first-mentioned electrode and biased thereto with such force to engage the insulators and



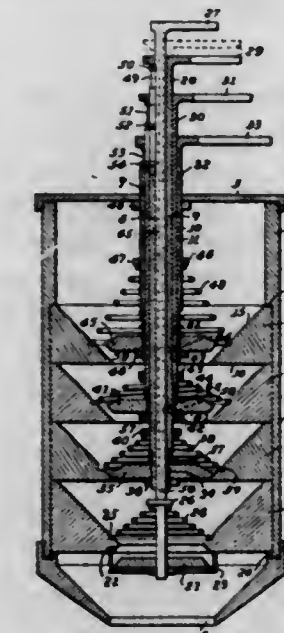
not disturb their spacing, said second electrode having formed therein a depression which coacts with the depression in the stationary electrode to form an axially straight passage through which an insulated conductor to be tested may be advanced.

2,386,128

MULTIPLE DISPENSER

Carl L. Ludwig, Los Angeles, Calif.
Application September 4, 1943,
Serial No. 501,279 1/2
4 Claims. (Cl. 222-436)

1. A container as described having a valved dispensing aperture and a plurality of chambers, there being valved apertures between said chambers actuating means for each chamber valve, said actuating means adapted to be selectively



actuated to dispense the contents of a plurality of said chambers, said means each including means adapted to actuate the dispensing valve when its respective chamber valve is actuated.

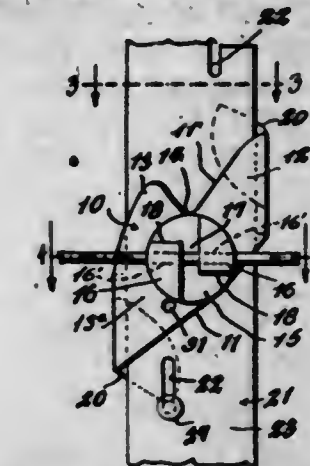
2,386,129

SELF-ATTACHING WIRE HOLDER

Walter Henry Maack, Collinsville, Ill.
Application April 26, 1944, Serial No. 532,908
4 Claims. (Cl. 24-73)

1. A device for mounting wires and the like on supports comprising a base member having offset, intumed tongue portions extending inwardly in opposite directions, and in spaced relation to receive the support therebetween and for rotation in the direction of projection of said tongues to engage the same with the support, and a wire-receiving member at the side of said base portion

opposite said tongues, said wire-receiving portion having also correspondingly spaced bills projected in opposite directions for engagement with a wire

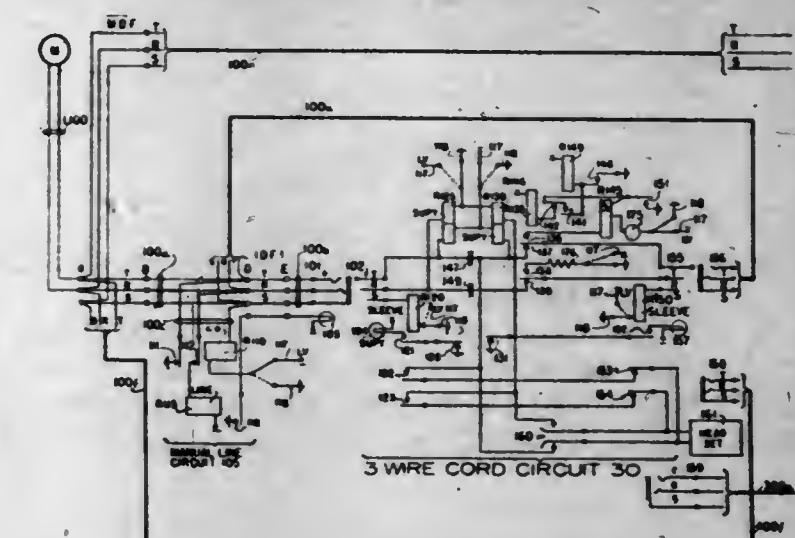


laid therebetween by relative rotative movement in a direction opposite the said movement for engagement of said tongues with the support.

2,386,130

TELEPHONE SYSTEM

Harry P. Mahoney, Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application January 8, 1944, Serial No. 517,538
11 Claims. (Cl. 179-27)



1. In a communication system, a manual telephone system including manual lines terminating in jacks at operator controlled switchboards, said jacks each including a sleeve element whereon the busy condition of the associated line may be marked by the presence of a characteristic potential, cord circuits at said switchboards having plugs for engagement with said jacks, means in said cord circuits including said plugs for applying said characteristic potential to a sleeve element of said jacks, an automatic telephone system including line selecting switches having sets of contacts for terminating lines of both said automatic and said manual systems, said sets of contacts each including a control contact whereon the busy condition of the associated line may be marked by the presence of a characteristic potential which is substantially different from the first-mentioned characteristic potential, means in one of the telephone systems for altering its busy characteristic potential to render it substantially the same as the busy characteristic potential of the other system, and means for interconnecting the two telephone systems.

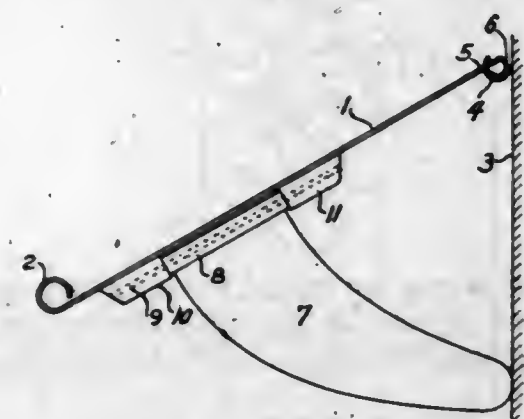
2,386,131

COOKBOOK HOLDER

Helen McCutchan, Detroit, Mich.
Application May 13, 1944, Serial No. 535,568
2 Claims. (Cl. 45-58)

1. A device for the purpose described comprising a body member formed of a flat metal sheet

having one edge return bent to form a circular abutment, and the opposite edge being reversely folded, said sheet having openings adjacent the last named edge, and a hook element for each opening secured to a vertical surface having the free end thereof extending through the respective opening in the plate and being of an arcuate



form to provide a seat for the said reversely folded edge of the plate adjacent thereto, and means pivoted to the under surface of the sheet adapted to support the plate at an angle to a horizontal plane, said means being foldable to practically parallel relation with the sheet to thereby permit the sheet to lie practically parallel with the vertical surface.

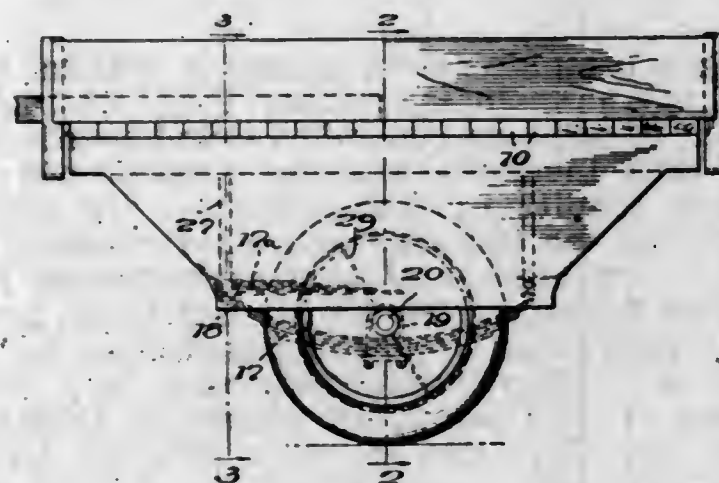
2,386,132

AMPHIBIAN VEHICLE

Frank W. McLarty, Vernon, Tex.

Application September 8, 1942, Serial No. 457,653
13 Claims. (Cl. 114-0.5)

1. A vehicle of a military type comprising a floor surface, an axle on which said floor is supported, ground wheels on said axle, longitudinally extending sills depending from said floor at op-



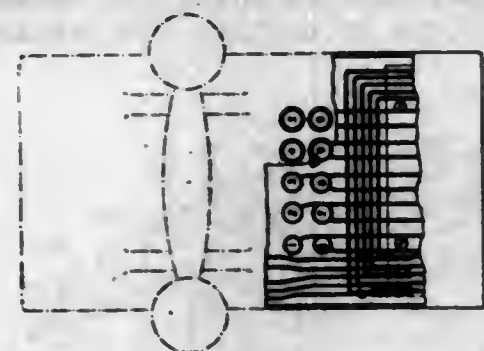
posite sides of said wheels, and imperforate, airtight closures for the tops and ends of the space defined by said sills, all of said sills having their lower edges located in a plane lower than the upper peripheral portions of said wheels.

2,386,133

CALL TRANSMITTERLarned A. Meacham, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 9, 1943, Serial No. 513,559
6 Claims. (Cl. 179-90)

1. A telephone call transmitter comprising a plurality of reed elements, a plurality of means holding said elements in pretensioned positions, and a set of key members each corresponding to

a digit to be transmitted for actuating said means permutatively in a sequential order for releasing

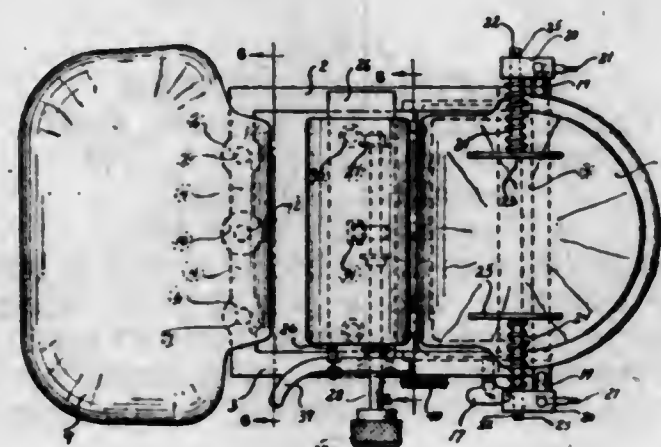


said elements from their pretensioned positions in the same order.

2,386,134

SURGICAL FIXTURE

William L. Merriam, Youngstown, Ohio

Application July 31, 1944, Serial No. 547,391
5 Claims. (Cl. 128-1)

1. A surgical fixture for use in supporting a human patient during the performance of surgical procedures and examinations, said fixture comprising a frame, a back-supporting panel mounted upon one end of the frame for vertically adjustable movement with respect thereto, a head-supporting member mounted upon the other end of the frame for horizontally shiftable adjustment in relation thereto, and a neck-supporting and positioning member mounted upon the frame between the back-supporting panel and the head-supporting member for vertical adjustment with respect to the frame.

2,386,135

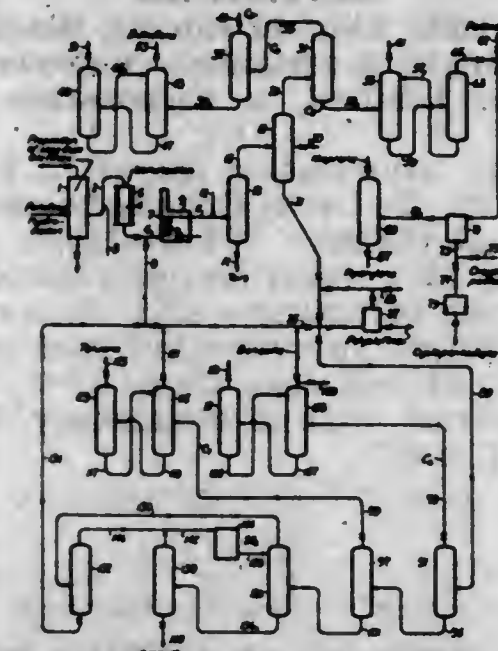
PRODUCTION OF DIENES

Rupert C. Morris and Robert J. Moore, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application June 15, 1942, Serial No. 447,139
3 Claims. (Cl. 260-680)

1. An improved process for the production of dienes from normal mono olefins containing from 6 to 12 carbon atoms to increase the proportion of C₈ dienes comprising the steps of isomerizing said mono olefins to produce branched chain olefins, non-catalytically cracking the isomerized product in the vapor phase at a temperature between 650 and 850° C. and at a pressure below about 150 p. s. i. for a time to gasify 15 to 85 per cent thereof to produce dienes, separating C₈ and C₉ dienes from the resulting cracked product, separating from the resulting cracked product a fraction having a boiling range substantially the

same as the isomerized product, removing aromatics and dienes from said fraction and re-

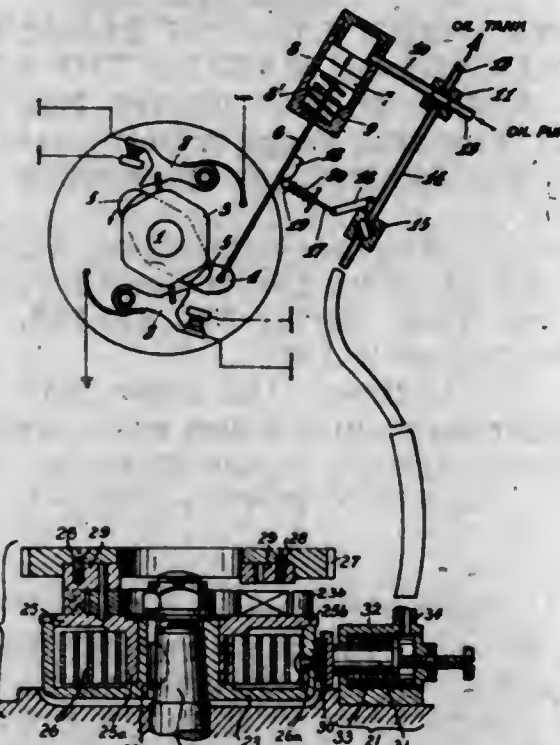


cycling the resultant diene-free and aromatic-free product to said cracking step to produce more dienes.

2,386,136

CIRCUIT BREAKER AND IGNITION TIMING DEVICE

Walter Ochsenbein, Bern, Switzerland, assignor to Hasler A.-G. Werke für Telefonie und Präzisionsmechanik, Bern, Switzerland

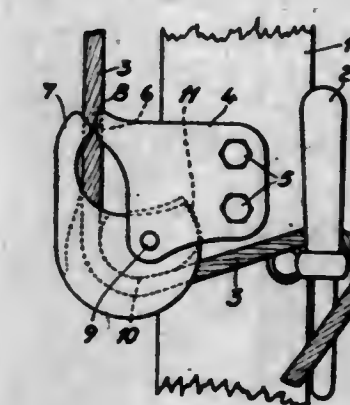
Application April 21, 1942, Serial No. 439,878
In Switzerland January 3, 1941
8 Claims. (Cl. 123-117)

1. A circuit breaker arrangement for the ignition mechanism of an internal combustion engine, comprising in combination with a cam disc and at least one normally closed breaker contact arranged to be intermittently opened by said cam disc, a rockable lever capable of assuming an operative position in which a cam portion of said lever cooperates with said breaker contact to hold the same in a permanently open position beyond the reach of said cam disc and an inoperative position in which the lever does not interfere with the control action of the cam disc on the breaker contact, means urging said lever towards said inoperative position, and means for moving said lever from said inoperative to said operative position when the engine speed reaches the value at which an intermittent opening and closing of the circuit breaker is no longer required for the generation of a sparking voltage.

2,386,137

DEVICE FOR AUTOMATIC BRAKING IN LOWERING OF OBJECTS, SUCH AS BOAT TACKLES

John Olsson, Stockholm, and Nils Emil Lundin, Molle, Sweden

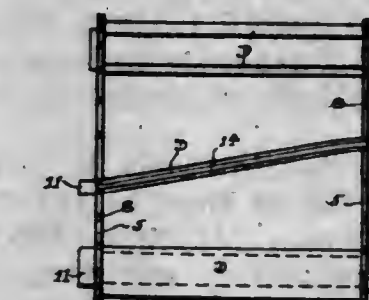
Application January 12, 1943, Serial No. 472,144
In Sweden September 3, 1942
2 Claims. (Cl. 188-65.1)

1. A braking device for ropes and the like comprising a stationary jaw member having a rope engaging portion, a second jaw member pivotally connected to said stationary jaw member and having a rope engaging portion adapted to cooperate with the rope engaging portion of the stationary jaw member to grip a rope between them, said second jaw member being formed with a guideway for the rope, one wall of said guideway in proximity to the point of pivotal connection of the two jaw members and remote from its rope engaging portion, being curved to cause the rope to be curved in an arc around the pivotal connection of the jaw members so that a force applied in one direction to the rope will cause the second jaw member to pivot relative to the stationary jaw member and bring the said rope engaging portion into rope gripping relation.

2,386,138

MOTOR ROTOR AND METHOD OF MAKING THE SAME

Harry Edward Pancher, Owosso, Mich., assignor to A. G. Redmond Co., Owosso, Mich., a corporation of Michigan

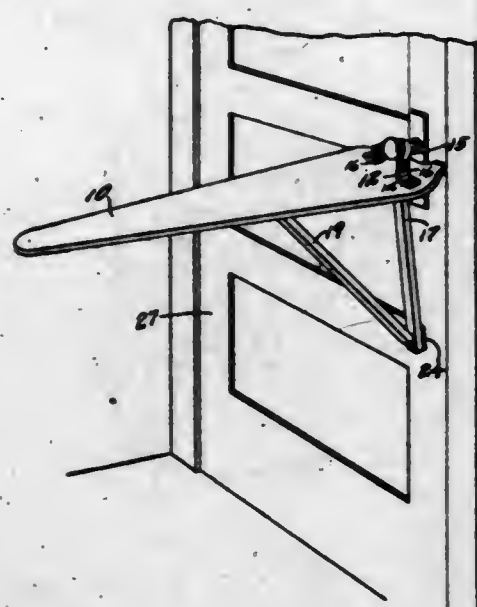
Application January 5, 1942, Serial No. 425,668
12 Claims. (Cl. 172-120)

1. The combination comprising, an electric motor rotor and improved inductor bars therefor, said rotor being of laminated construction and composed of a plurality of plates each provided with a plurality of slots for the reception of a plurality of inductor bars, said plate slots provided with reduced outer open ends, inductor bars disposed within said slots and being of a thickness to be loose in said slots transversely thereof, and said bars having their outer edges reduced in thickness and extending into and snugly fitting the reduced open outer ends of said slots, for the purpose described.

2,386,139

IRONING BOARD

Viggo Rasmussen, Minneapolis, Minn.
Application March 17, 1943, Serial No. 479,403
3 Claims. (Cl. 38-126)



1. An ironing board having in combination, an elongated board, a rigid bail handle of arcuate form pivoted to the top of said board adjacent one end constructed and arranged to engage over the shank of a door knob and extend forwardly to engage the sides of the handle portion of said knob, said end having lateral spaced portions, yielding means on said portions adapted to abut said door slightly below and at each side of said knob, an arm pivoted at one end to said board at its underside adjacent said end, a second arm pivoted to the opposite end of said arm and having a free beveled end, said board having a slot in its underside some distance from said end against one side of which said beveled end is adapted to seat and yielding means on said first mentioned arm adapted to abut said door some distance below and aligned centrally vertically with said end of said board when said beveled end is so engaged for supporting said board.

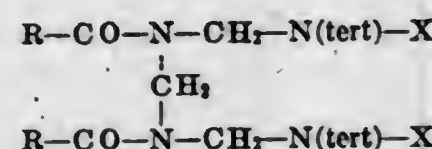
2,386,140

WATER-REPELLENCY AGENTS AND PROCESSES OF MAKING AND USING THE SAME

Maurice Arthur Thorold Rogers, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application July 27, 1939, Serial No. 286,944. In Great Britain July 29, 1938
7 Claims. (Cl. 260-295)

1. Organic ammonium compounds, useful as water-repellent agents, of the formula



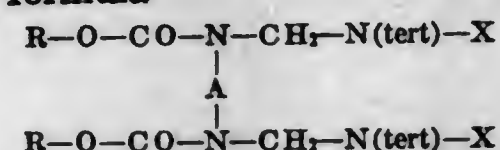
wherein R is an aliphatic hydrocarbon radical containing at least 7 carbon atoms, X is a halogen and N(tert) stands for a tertiary amine selected from the group consisting of aliphatic and heterocyclic tertiary amines.

2,386,141
PROCESS OF TREATING TEXTILE MATERIALS

Maurice Arthur Thorold Rogers, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application August 2, 1939, Serial No. 288,059. In Great Britain August 2, 1938
11 Claims. (Cl. 8-116.3)

1. Process for conferring upon textile material the properties of softness and water-repellency, which comprises impregnating said material to an amount of not less than 0.5% by weight of the material, with a quaternary ammonium salt of the formula



wherein R stands for an aliphatic hydrocarbon radical of at least 7 carbon atoms, X is halogen, A is a divalent organic radical selected from the group consisting of aliphatic and aromatic radicals free of substituents which are reactive toward formaldehyde, and N(tert) stands for a tertiary amine selected from the group consisting of aliphatic and heterocyclic tertiary amines, and subsequently submitting the impregnated material to a heat treatment in the absence of moisture at a temperature between 90° and 200° C. for a period of time sufficient to bring about chemical action as evidenced by decomposition of said quaternary ammonium salt.

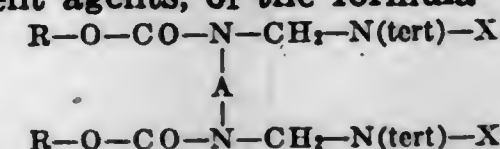
2,386,142

QUATERNARY AMMONIUM SALTS AND PROCESS OF MAKING THE SAME

Maurice Arthur Thorold Rogers, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Original application August 2, 1939, Serial No. 288,059. Divided and this application April 23, 1940, Serial No. 331,189. In Great Britain August 2, 1938
7 Claims. (Cl. 260-295)

1. Quaternary ammonium salts, useful as water-repellent agents, of the formula



wherein R is an aliphatic radical of at least 7 carbon atoms, X is a halogen, A is a divalent organic radical selected from the group consisting of aliphatic and aromatic radicals free of substituents which are reactive toward formaldehyde, and N(tert) stands for a member of the group consisting of aliphatic and heterocyclic tertiary amines.

2,386,143

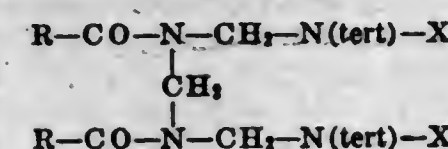
PROCESS OF TREATING TEXTILE MATERIALS

Maurice Arthur Thorold Rogers, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Original application July 27, 1939, Serial No. 286,944. Divided and this application September 5, 1940, Serial No. 355,453. In Great Britain July 29, 1938
10 Claims. (Cl. 8-116.3)

1. Process for improving the surface characteristics of textile material, which comprises im-

pregnating said material with an organic ammonium compound of the formula:



wherein R stands for an aliphatic hydrocarbon radical containing at least 7 carbon atoms, X is a halogen and N(tert) stands for a tertiary amine of the group consisting of aliphatic and heterocyclic tertiary amines, and subsequently submitting the impregnated material to a dry heat treatment at a temperature between 90° and 200° C.

2,386,144

TEXTILE SIZING COMPOSITIONS AND PROCESS OF MAKING THEM

John B. Rust, Verona, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey

No Drawing. Application December 10, 1941, Serial No. 422,403

10 Claims. (Cl. 260-31)

1. A textile yarn sizing composition of low viscosity and capable of drying on textile yarn to produce non-curling thereof and removable therefrom by scouring, consisting essentially of a solution in dilute aqueous ammonia of the ammonia-soluble reaction product of one to two parts of a hexahydric alcohol selected from the group consisting of mannitol and sorbitol, and two to one parts of an unsaturated dicarboxylic acid selected from the group consisting of maleic acid, maleic anhydride and fumaric acid, the composition containing about 0.1 to 10% of the reaction product.

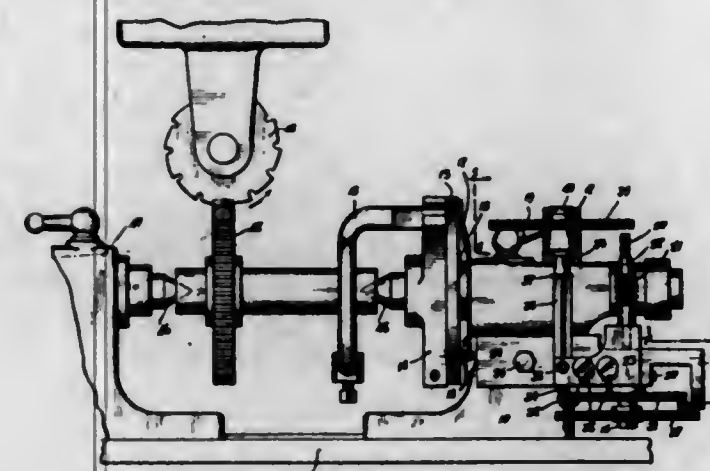
2,386,145

DIVIDING MECHANISM

Basil Ruysdael, New York, N. Y., assignor of one-half to Louis M. Rabinowitz, New York, N. Y.

Application September 29, 1943, Serial No. 504,513

3 Claims. (Cl. 90-56)



1. A dividing mechanism comprising a base, a horizontal spindle rotatably mounted in said base, a plate and a worm wheel fastened to said spindle for rotation therewith, a scale on said plate, a vertical shaft rotatably supported externally of the base and having a worm meshing with the worm wheel fastened to the spindle, said worm and worm wheel being so proportioned as to determine a rotation of the spindle through an angle of five degrees for each revolution of the shaft, a second vertical shaft rotatably supported externally of the base, constantly meshing gear means for driving the first-mentioned shaft at the reduced rate of one to ten relative to said second shaft upon rotation

of this latter, discs fastened to the shafts operable to rotate the same, and scales on said discs, said scales cooperating with the scale on the plate fastened to the spindle to indicate the amount of angular displacement imparted to the spindle through the rotation of the shafts.

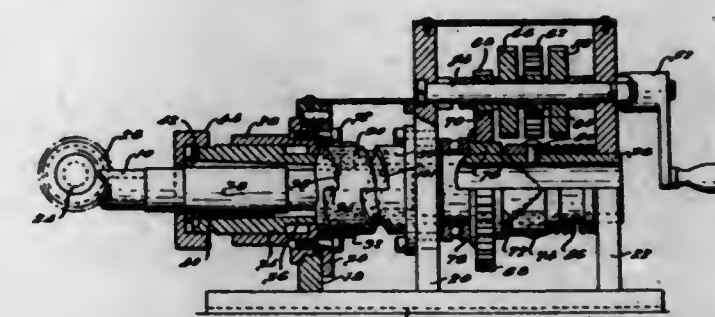
2,386,146

MILLING FIXTURE

George D. Shaeffer, Detroit, Mich., assignor to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan

Application January 2, 1943, Serial No. 471,113

1 Claim. (Cl. 90-20)



In a machine for supporting a workpiece during cutting by a cutting member, a standard, a driving member mounted on said standard, a driven member mounted on said standard, means holding a workpiece on said driven member, driving means interconnecting said driving and driven members, said driving means including a pair of frictionally intermeshing members, means resiliently urging the members toward each other, the construction and arrangement of said intermeshing members and said resilient means being such that one of said pair of members has combined and simultaneous rotative and axial movement with respect to the other during rotation of the other, means directly connecting said one of said pair of members with said driven member for movement as a unit therewith, and guide means interconnecting said driven member and said standard and acting through said driven member to rotate and to move axially while rotating so that said workpiece follows a predetermined path with respect to said cutting member.

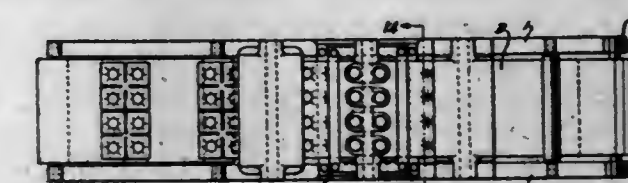
2,386,147

METHOD AND MACHINE FOR PUNCHING OUT ARTICLES FROM STRIPS

Melvin H. Sidebotham, Newton, Mass., assignor of one-half to Harlow M. Russell, Chelsea, Mass.

Application August 16, 1944, Serial No. 549,756

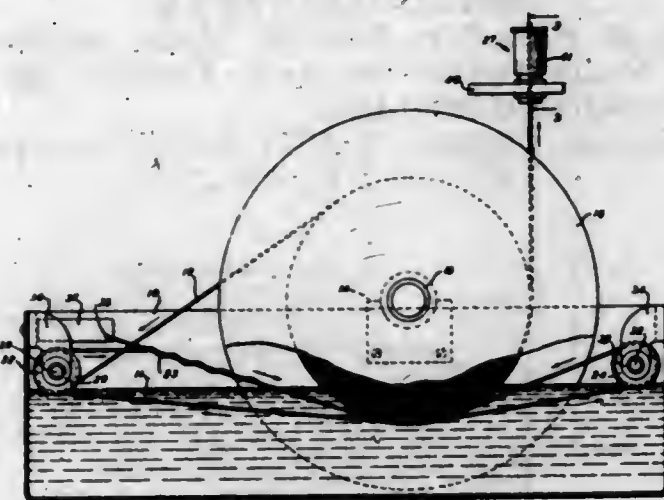
11 Claims. (Cl. 164-22)



1. In a machine for die cutting, punching and severing a web of material to provide articles, means for advancing a web of material from a roll, a die cutting device for making a number of sets of pattern cuts within the margins of the web, a punching device for cutting a circular opening in the web at each set of pattern cuts, and a cutting unit for cutting and severing the web to provide articles from the web.

2,386,148 METHOD OF TREATING STRAND MATERIALS

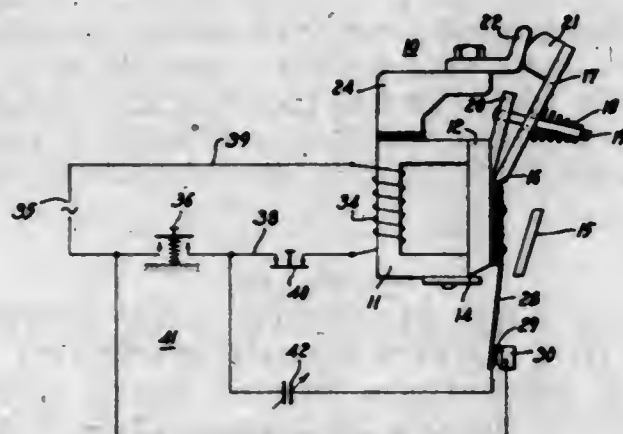
Charles C. Smith, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 9, 1943, Serial No. 471,902
3 Claims. (Cl. 117-63)



1. The method of treating a strand of material of a given color having a cellulose acetate coating thereon which has been made undesirably opaque by excess drying thereof, the method comprising passing the coated strand through a bath of mineral oil absorbable into the coating to render the coating desirably transparent, and wiping excess oil of the bath off the strand.

2,386,149 ELECTROMAGNETIC CONTROL

Ward L. Smith, Hudson, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 9, 1943, Serial No. 497,941
10 Claims. (Cl. 175-375)

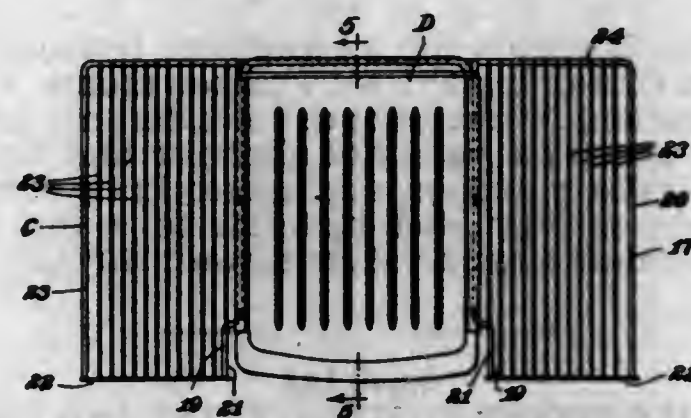


1. In combination with an electromagnetic device having a winding, a member movable to change the inductance of said winding, an alternating current energizing circuit for said winding, and means in said energizing circuit for causing the impedance of said energizing circuit to increase as said member moves to decrease the inductance of said winding.

**2,386,150
REFRIGERATOR AND TRAY CONSTRUCTION**
Enoch Swedman, St. Paul, Minn., assignor to Seeger Refrigerator Company, St. Paul, Minn., a corporation of Minnesota
Application March 14, 1942, Serial No. 434,658
4 Claims. (Cl. 312-150)

3. The combination with a slidable tray and a pair of tray supporting spaced tracks at the

sides thereof, of an outwardly projecting flange on each tray side, one of the flanges having shoulder means therein intermediate the ends thereof, the spaced tracks each comprising a rod upon which said tray flanges may slide, an angular guide secured to one vertical side of said rod,



said angular guide including a flange extending horizontally in spaced relation to the upper surface of said rod, and an inwardly turned ear on said angular member above the level of the upper surface of said rod engageable with said shoulder means upon slidable movement of the tray in one direction.

**2,386,151
WINDOW STRUCTURE**
George Trautvetter, Jenkintown, Pa., assignor to Heintz Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 14, 1944, Serial No. 549,376
2 Claims. (Cl. 189-78)

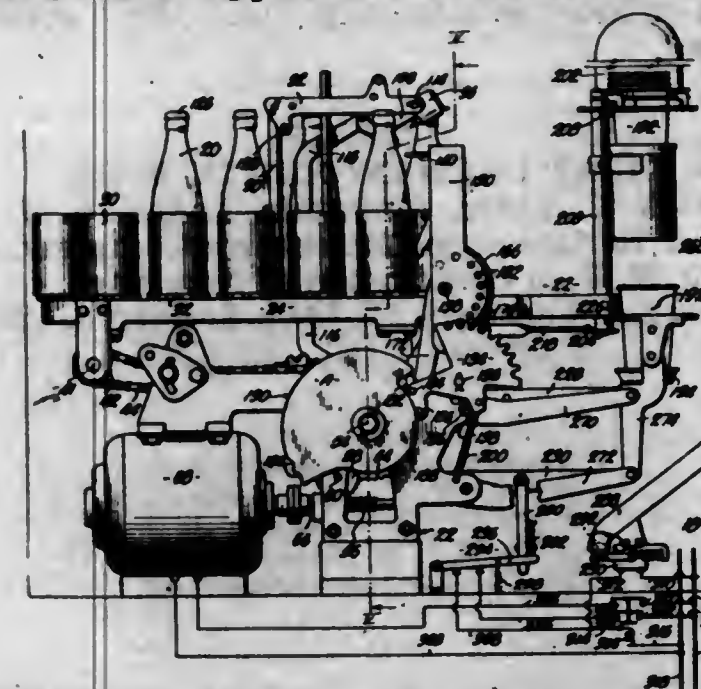


1. A window frame structure for window openings in doors and the like comprising, a front frame strip, said front frame strip being substantially T-shaped in section, a rear frame strip, said rear frame strip in section having an arm strip portion and a lateral strip portion, said lateral portion having an undercut groove for receiving a rubber sealing ring, and means for securing said frame strips to the edge of a window opening with the central portion of the front frame strip disposed on the edge of the window opening and the lateral portion of the rear frame strip overlying said central portion.

**2,386,152
APPARATUS FOR OPENING AND EMPTYING CAPPED BOTTLES**
John C. Wahl, Chicago, Ill., assignor to C. Earl Hovey, Kansas City, Mo., as trustee
Application September 24, 1941, Serial No. 412,159
14 Claims. (Cl. 225-21)

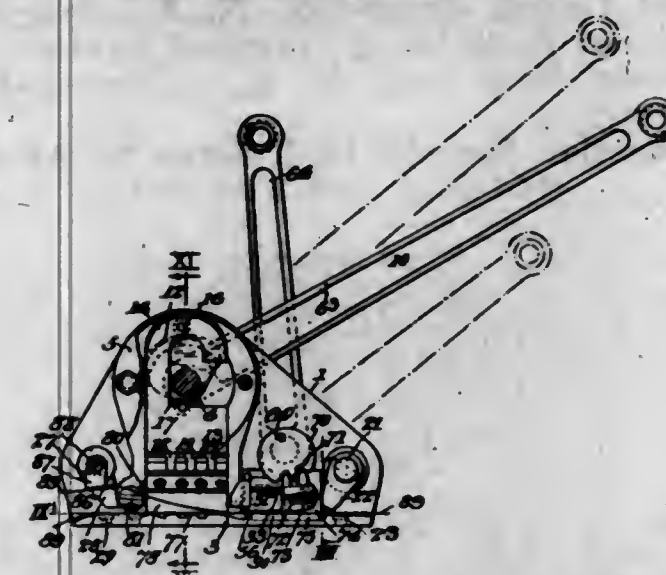
1. Apparatus of the character described and for opening and emptying bottles, comprising a carrier for a plurality of substantially upright, vertically arranged capped bottles; a decapper disposed above the bottles; means for successively locating the capped bottles below the decapper; apparatus for operating the decapper to remove the cap from the bottles as the same are located therebelow; structure for tipping the decapped bottle to empty the contents thereof subsequent to decapping means for interrupting travel of the

carrier while a decapped bottle is in tipped condition; and parts adapted to grip the decapped bottle near the mouth thereof to prevent dropping as the same is tipped to a downwardly inclined



position said parts for gripping the bottle being adapted to shake the bottle after it has been tipped downwardly for a predetermined length of time and while the movement of the carrier is interrupted.

**2,386,153
BAND TIGHTENING AND SEALING TOOL**
Burton L. Watt, Marquette, Mich., and Charles F. Osgood, Jr., Hohokus, N. J., assignors to General Strapping Corporation, New York, N. Y., a corporation of New York
Original application August 10, 1939, Serial No. 289,352, now Patent No. 2,324,609, dated July 20, 1943. Divided and this application January 13, 1943, Serial No. 472,216
7 Claims. (Cl. 254-79)

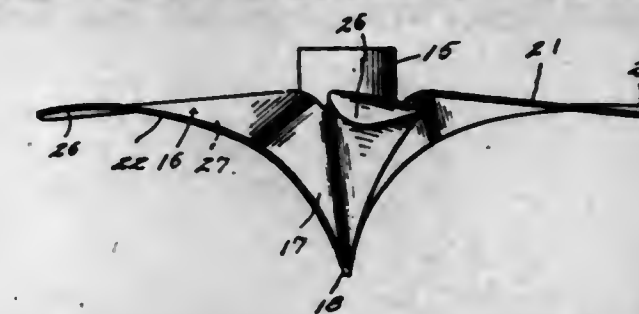


2. A device of the character described comprising, means for holding one end of a strap, and means for tensioning the strap by progressively pulling on the other end, said tensioning means including, a mechanism for gripping the strap to permit forward movement but prevent rearward movement, a mechanism for guiding the strap during tensioning, means for moving said gripping mechanism and guiding mechanism into inoperative position, and means for latching said mechanisms in inoperative position.

**2,386,154
PROPELLER**
Max Weber, Chicago, Ill.
Application November 6, 1942, Serial No. 464,813
1 Claim. (Cl. 170-159)

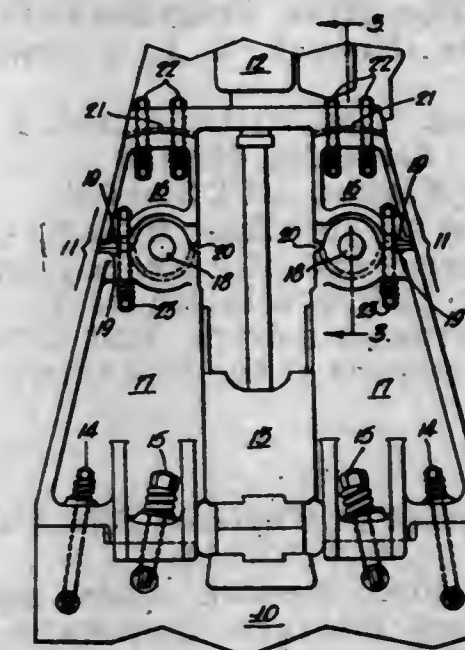
A propeller comprising a hub, and a plurality of blades carried by said hub, said blades at their

inner ends extending forwardly of said hub and terminating at substantially the axial center of said hub, the pitch of each blade gradually decreasing from the hub axis toward the outer end thereof, each blade comprising a forwardly pitched forward thrust area for the major length



thereof, a reversely pitched tip area and an intermediate neutral area defining a neutral zone between the forward thrust area and the reversely pitched tip area, the pitch of said tip being substantially less than the average forward pitch of the blade whereby to provide a substantially balanced thrust.

**2,386,155
DROP HAMMER FRAME CONSTRUCTION**
Henry A. Weyer, Chambersburg, Pa., assignor to Chambersburg Engineering Company, Chambersburg, Pa., a corporation of Pennsylvania
Application September 28, 1944, Serial No. 556,217
11 Claims. (Cl. 78-25)

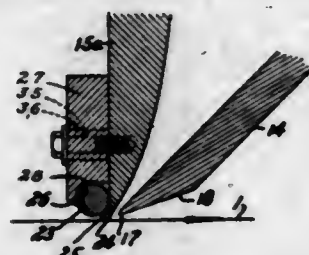


1. A power hammer comprising an anvil, spaced side frames seated thereon, a head seated on the upper ends of the side frames and including power-operating means, a ram operated by said means, said side frames each comprising a lower section having guides for said ram and an upper section affording a seat for said head, a pivot connecting said sections directed from front to back of the hammer in parallelism to the upper surface of the anvil, and connections between the sections and head and anvil yieldably resisting relative movement of said sections about the pivot.

**2,386,156
AIR DOCTOR**
Faunce C. Woodward, Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass., a corporation of Massachusetts
Application January 25, 1943, Serial No. 473,538
7 Claims. (Cl. 91-53)

4. An air doctor comprising two throat-forming members the opposed surfaces of which define a throat, said members terminating in lips defining a relatively long narrow rectilinear slot, at least one of said opposed surfaces terminating in an edge adjacent said slot, the outer surface of said

throat-forming member adjacent said slot being a substantially plane surface, a supporting member adjustably mounted on said plane surface, said supporting member having a partial cylindrical socket in its side adjacent said edge, a cylindrical member fitting into said socket and mounted to rotate in said socket with its surface substantially



tangent to said plane surface at a line parallel to and spaced from said edge a distance substantially equal to the radius of said cylindrical member, and means for rotating said cylindrical member, the edge of said socket remote from said plane surface constituting a scraping edge for cleaning the surface of said cylindrical member as it rotates.

2,386,157

METHOD FOR THE TREATMENT OF PHARMACEUTICALS

Charles L. Barthen, Manhasset, N. Y., Joel B. Peterson, Summit, N. J., and Leslie A. McClin-tock, Worcester, Mass., assignors to White Laboratories, Inc., Newark, N. J., a corporation of New Jersey.

No Drawing. Application March 4, 1943, Serial No. 478,169

12 Claims. (Cl. 21—58)

12. A method for sterilizing including the steps of sealing unsterile material into a vapor-permeable container with a solution of an antiseptic in a volatile organic solvent, and diffusing the solvent thru the walls of the container.

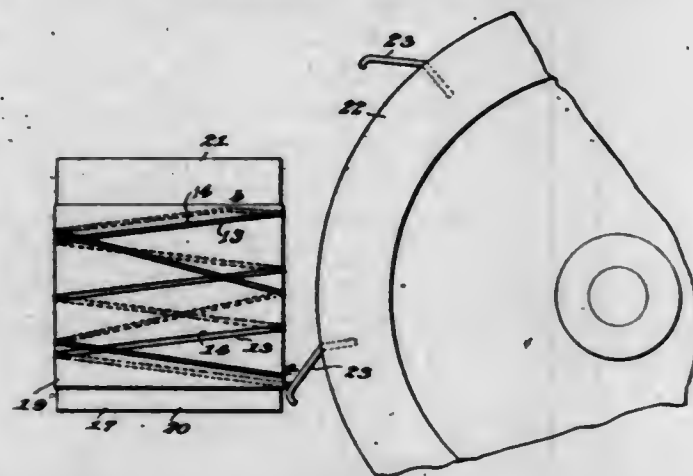
2,386,158

MAKING AND PACKAGING STRANDS OF MATERIAL

Howard W. Collins, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware

Application September 23, 1942, Serial No. 459,460

14 Claims. (Cl. 242—42)



1. In apparatus for manufacturing continuous strands of material, a revoluble member about which a plurality of lengths of strands are adapted to be wound, means for traversing the revoluble member with the strands comprising an element rotatable about an axis perpendicular to the axis of rotation of said member and having a plurality of circumferentially spaced projections successively engageable with the strands to move the same in one direction lengthwise of the revoluble member, said projections having the lead-

ing edges inclined at such angle to the path of traversing movement that the strands are maintained in spaced relationship during the traversing movement and are separately wound in out-of-phase relationship on the revoluble member.

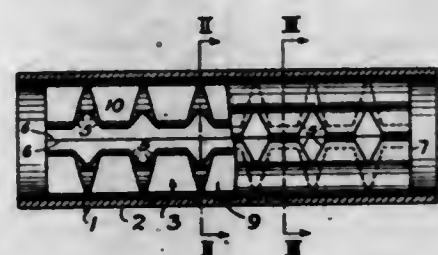
2,386,159

HEAT EXCHANGER FIN TUBE

Frederick T. Elder, Mountain Lakes, N. J., assignor to American Locomotive Company, New York, N. Y., a corporation of New York

Application February 17, 1944, Serial No. 522,702

2 Claims. (Cl. 138—38)



1. A heat exchanger fin-tube comprising a tubular member; and a hollow sheet metal structure within said member having circumferentially alternate base portions and inwardly projecting V-shaped portions extending longitudinally of said member, said base portions engaging and being bonded to the inner face of said member and each of said V-shaped portions having a longitudinal row of spaced orifices, each of said orifices extending from one of the adjacent base portions through the apex of its V-shaped portion to the other adjacent base portion, said orifices providing of each of said V-shaped portions a longitudinal row of V-shaped double-walled fins.

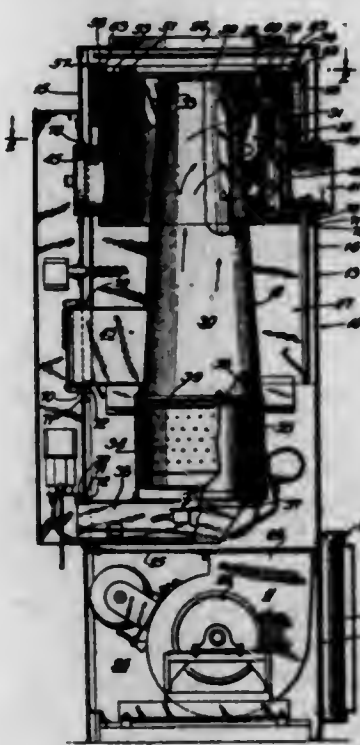
2,386,160

HEATING APPARATUS

Bernard Goerg, Bronxville, N. Y., assignor to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware

Application June 26, 1942, Serial No. 448,552

6 Claims. (Cl. 126—99)



1. Heating apparatus comprising an upright casing of rectangular horizontal section adapted to be supported at its bottom and having an inlet for air to be heated and an outlet for the heated air, heating means arranged within said casing and comprising a fuel-burning part and a heat-emitting part joined together to form a one-piece structural unit, a pair of bracket de-

vices fixed, respectively, to diagonally opposite corners of said casing at the upper end thereof, a pair of rigid supporting elements secured, respectively, to the upper part of said structural unit and extending radially outwardly from opposite sides thereof towards said casing, and means for fixing the outer parts of said elements to said bracket devices for vertical adjustment thereon, respectively, so as to suspend said unit from said casing.

2,386,161

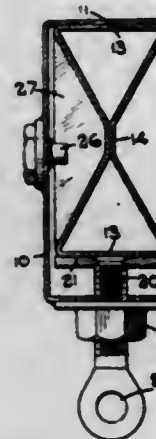
TEMPORARY SUPPORT FOR USE IN CASTING CONCRETE FLOORS AND SIMILAR PURPOSES

Albert Henry Hawes, Erdington, Birmingham, England, assignor to C. Bryant & Son, Limited, Small Heath, Birmingham, England, a British company

Application June 20, 1944, Serial No. 541,160

In Great Britain May 24, 1943

13 Claims. (Cl. 189—37)



1. A telescopic beam for use as a temporary support in casting concrete floors and for similar purposes, comprising an outer member of substantially rectangular box section and open at one end, a hollow inner member of substantially hour-glass section with mutually parallel upper and lower faces, said inner member being telescopically slidable within said outer member and adapted to project beyond the open end of the latter and locking means associated with said outer member adapted on operation to press the upper face of said inner member into frictional engagement with the upper wall of said outer member.

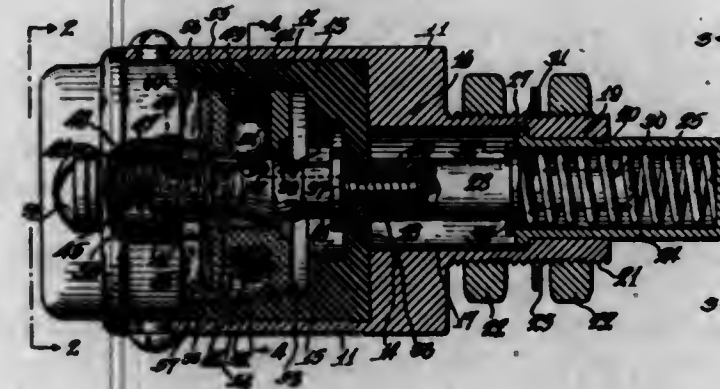
2,386,162

SINGLE THROW HILL AND VALLEY SWITCH

Robert Hetherington, Sharon Hill, Pa., assignor to Robert Hetherington & Son, Inc., Wilmington, Del., a corporation of Delaware

Application October 17, 1942, Serial No. 462,349

2 Claims. (Cl. 200—77)



1. In a plunger operated shuttle switch, an axially movable plunger having an operating

member in the form of a double cone, the cone parts being placed base to base, a shuttle about the cone, inwardly movable balls in the shuttle engaging the cone parts and snapped by the cone parts with plunger movement in directions opposite to those of the shuttle, means common to all of the balls engaging the balls and pressing them inwardly, a retraction spring within a circumferential recess in the plunger, a stop at the rear end of the plunger engaging a fixed part of the switch to limit plunger movement and operating means for the plunger.

2,386,163

BUILDING BLOCKS

August Holmes, Cranford, N. J., and Joseph C. Roediger, Brooklyn, N. Y., assignors, by mesne assignments, to Standard Catalytic Company, a corporation of Delaware

No Drawing. Application November 7, 1939,

Serial No. 303,316

4 Claims. (Cl. 106—269)

1. A process of manufacturing building blocks, curtain wall blocks, floor blocks, etc., which comprises mixing in a cold state, soil and water containing an inorganic metallic salt to form a plastic mass, adding an asphalt containing a fatty acid to the plastic mass and submitting the mixture to pressure of at least 50 pounds per square inch.

2,386,164

PRESSURE RESPONSIVE CONTROL INSTRUMENT

Raymond J. Hurley, Kenilworth, Ill., assignor to Hurley Electronic Controls Inc., Chicago, Ill., a corporation of Illinois

Application September 21, 1943, Serial No. 503,213

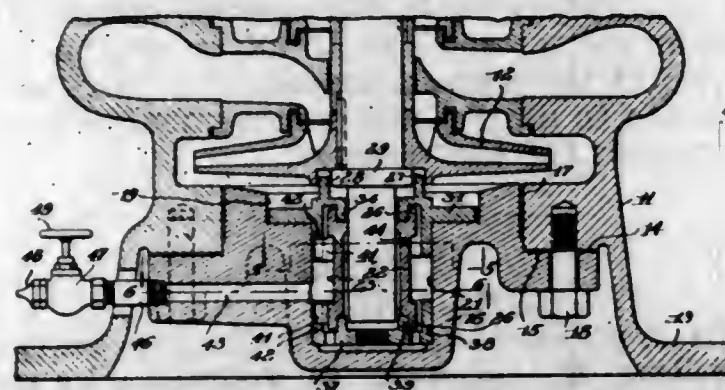
2 Claims. (Cl. 200—56)



1. A control instrument comprising a support, a graduated scale, rotatable means comprising a manually adjustable indicator arm adapted to be aligned with a predetermined graduation of the scale, a spirally formed Bourdon tube having its outer end fixedly mounted, a pivotally mounted pressure responsive indicator arm adapted to register with graduations of the scale, an ambient temperature compensating device operably connecting the inner end of said tube and said pressure responsive indicator arm, whereby said last mentioned arm is moved about its pivotal mounting incident to movement of the inner end of the tube, caused by change in pressure in said tube, and a pair of cooperating electrical contacts carried on said rotatable means and pressure responsive indicator arm.

2,386,165 BEARING

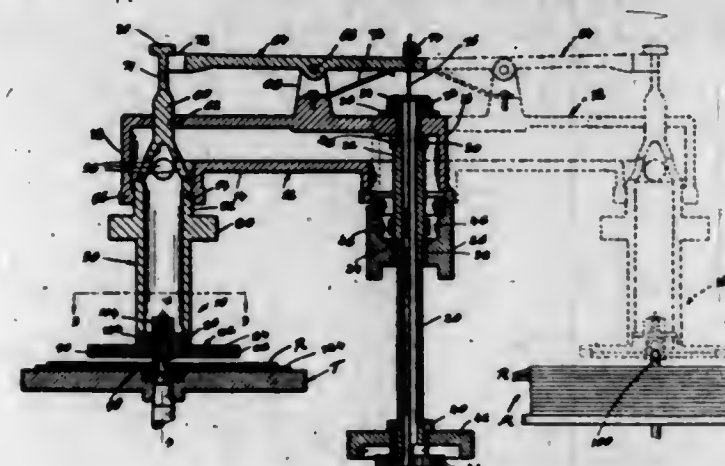
Erik G. Landberg, Seneca Falls, N. Y., assignor to Goulds Pumps, Inc., Seneca Falls, N. Y., a corporation of New York
Application November 18, 1943, Serial No. 510,819
8 Claims. (Cl. 308—15)



1. A bearing assembly comprising a bearing element extending in concentric relation with a shaft, a retainer for each end of the bearing element, means for fitting the retainers with respect to the bearing element, a bearing housing adapted to hold the retainers rigidly in position and concentric with the shaft, and interlocking members between the bearing element and the retainers to prevent rotation of the bearing element with the shaft.

2,386,166 SUCTION HEAD

Alexander Lissiansky, New York, N. Y., assignor to International Mutoscope Corporation, Long Island City, N. Y., a corporation of New York
Application January 1, 1943, Serial No. 471,051
7 Claims. (Cl. 274—10)



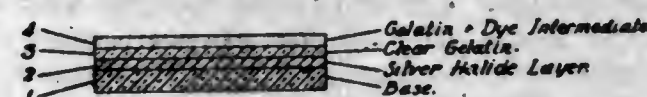
1. In a suction head comprising a tube adapted to be connected to a source of suction, and a pick-up plate carried by said tube, said pick-up plate having an opening therethrough for the application of the suction in said tube to the exterior of said plate, a gasket-carrying member mounted for movement axially of said plate, a gasket carried by said member, resilient means urging said gasket-carrying member and the gasket carried thereby to a projected position, and a gasket carried by said plate and extending around said first mentioned gasket in laterally spaced relation thereto, the outer end of said opening being located in the space between said gaskets.

2,386,167 PHOTOGRAPHIC ARTICLE OF MANUFACTURE

Otis Willard Murray, South River, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 28, 1943, Serial No. 500,346
11 Claims. (Cl. 95—2)

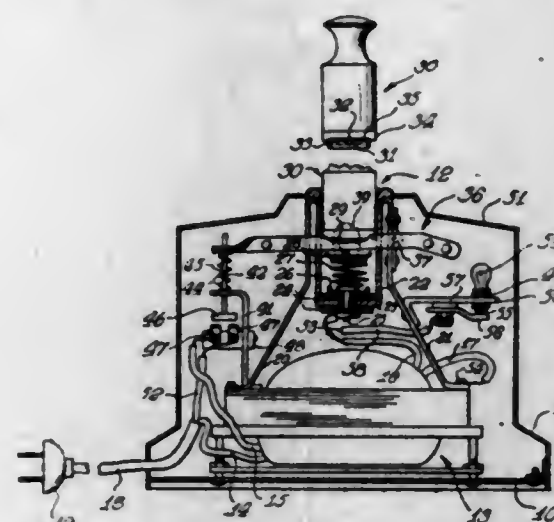
1. A photographic element consisting of a transparent base, a light sensitive silver halide

layer imposed on said base, a water permeable layer of appreciable thickness imposed on said layer and a water-permeable layer embodying a color-former which is free from silver and silver



salts imposed on the last mentioned layer, said second layer being of such thickness that no coupling co-action takes place between the silver halide layer and said color-former.

2,386,168
CIGARETTE OR CIGAR LIGHTER
Theodore H. Pattberg, Woodhaven, N. Y.
Application February 21, 1945, Serial No. 579,085
1 Claim. (Cl. 219—32)



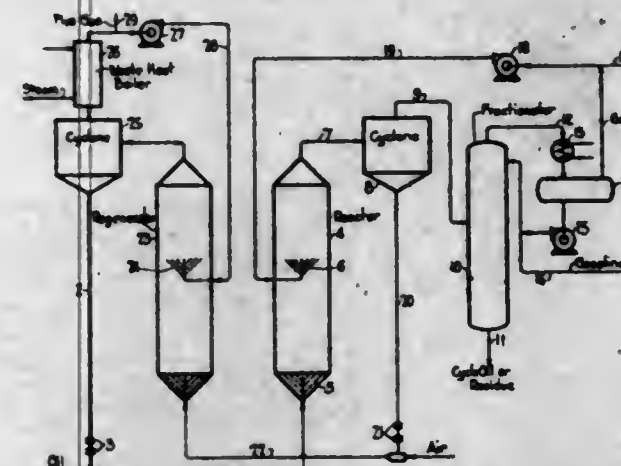
In combination with a member having a heating element therein, a device including a housing having a socket-like cup and having a transformer mounted therein, means for closing the circuit through the secondary of said transformer and said heating element upon insertion of said member into said cup a certain distance, means for closing the circuit through the primary of said transformer upon further insertion of said member an additional certain distance in said cup, said means for closing said primary circuit comprising a lever pivotally mounted at one end in said device and extending past said cup, said cup having an opening therethrough, said lever having a tongue projecting through said opening into said cup, the free end of said lever having circuit-closing means connected in series with said primary circuit, said tongue lying in the path of said member upon insertion of said member into said cup.

2,386,169 METHOD FOR CONTACTING VAPORS OR GASES WITH FINELY DIVIDED CONTACT MATERIALS

Norman E. Peery, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application November 6, 1944, Serial No. 562,164
8 Claims. (Cl. 196—52)

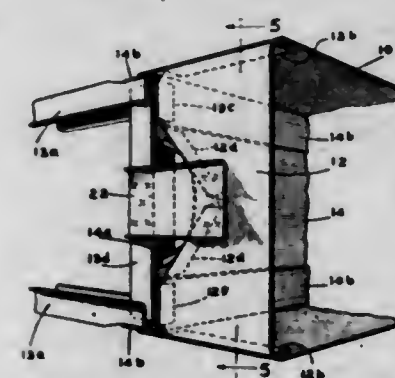
1. Method for continuously contacting a gas or vapor with a recycled finely divided contact agent which comprises injecting near the bottom of a bed of said finely divided contact agent a mixture of said gas or vapor and said finely divided contact agent, the rate of flow of said gas or vapor be-

ing adjusted to maintain said bed of finely divided contact agent in a relatively dense pseudo-liquid state, and injecting at a point substantially at the top of said bed a gas or vapor at such a rate that the velocity of the combined gas or vapor exceeds the critical velocity corresponding to said pseudo-



liquid state, thereby to produce and maintain a free suspension or gaseous phase above said point of injection and to remove in suspension from the top of said bed a quantity of said finely divided contact agent substantially equivalent to the amount of said finely divided contact agent injected near the bottom.

2,386,170
AIRFOIL CONSTRUCTION
Michael Watter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 17, 1943, Serial No. 487,242
11 Claims. (Cl. 244—123)

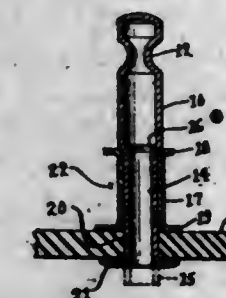


1. An airfoil comprising in combination, a leading section which includes spaced rib elements covered by a metal skin, the rib elements having rear tabs, a trailing section which includes spaced rib elements aligned with the leading rib elements, a spar forming a connection between the leading and trailing sections and having openings in the line of the ribs, struts connected to the trailing ribs crossing the spar openings, and connecting elements on the leading rib elements extending rearwardly thereof to said struts through said spar openings, the rear tabs of the leading rib elements being secured to said spar, and the rear edges of the leading section skin being secured to the edges of the spar and to the front outer sides of the trailing ribs.

2,386,171
TERMINAL POST
Henry W. Wild, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application November 10, 1943, Serial No. 509,943
9 Claims. (Cl. 173—324)

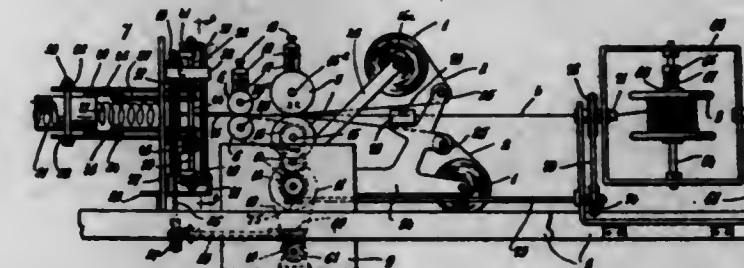
1. A terminal post to which conductor wires may be secured comprising a hollow tubular part

having one end closed and the opposite end open and provided with an intermediate shoulder, and a tubular spacer eyelet fitted over said part with one end abuted against said shoulder as a stop, the opposite end of said eyelet having a flange adapted to seat against the adjacent face



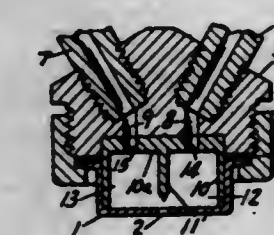
of a support member to which the post may be attached, said eyelet serving to position the shoulder of said tubular part in spaced relation to said support member, and said tubular part shoulder and said eyelet flange defining a circumferential recess about said post in which the terminal end of a conductor may be coiled for holding purposes.

2,386,172
APPARATUS FOR TURNING OUT
DECORATIVE MATERIAL
Isaac J. Wisoff, Brooklyn, N. Y., assignor to Noma Electric Corporation, New York, N. Y., a corporation of New York
Application July 18, 1944, Serial No. 545,525
8 Claims. (Cl. 41—1)



8. Apparatus for producing decorative material comprising means for supplying a work strip, means for supplying a wire, feed rolls for the strip and the wire, a twister member for the strip and the wire, means for supporting and revolving said member, elements revolving in unison with said member and movable longitudinally thereof for impelling the wire and the strip past said member, and means operating in conjunction with said member as it revolves for actuating said elements.

2,386,173
APPARATUS FOR THE PRODUCTION OF
ARTIFICIAL FILAMENTS
Maurice P. Kulp, Linwood, and Frederick F. Morehead, West Chester, Pa., and Wayne A. Sisson, Silverside, Del., and Wesley L. Webb, Glen Moore, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application May 13, 1943, Serial No. 486,774
16 Claims. (Cl. 18—8)



1. An apparatus for producing artificial filaments comprising a spinneret having spaced

filament-forming orifices, a septum therein dividing the space back of the orifices into a plurality of substantially separate non-concentric regions any adjacent two of which communicate with each other inside of the spinneret in the vicinity of those of the orifices facing the edge of that portion of the septum which divides the adjacent regions, and conduit means having at least two separate channel systems, each such system being associated with at least one of the regions, for introducing filament-forming material into each of the separate regions.

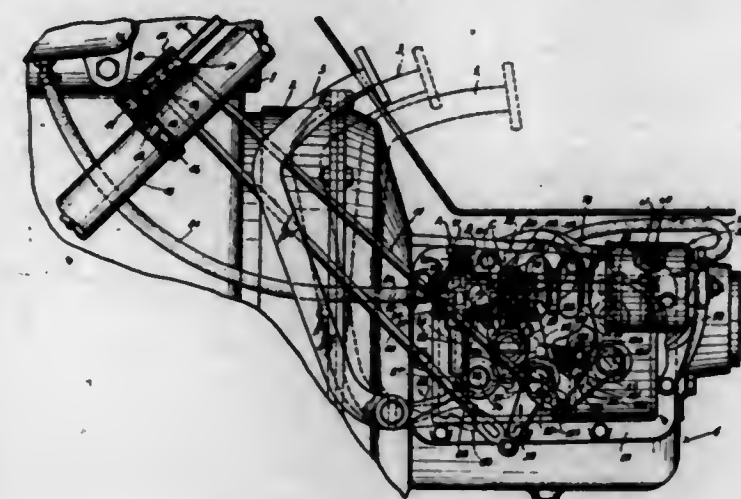
2,386,174
CHANGE-SPEED TRANSMISSION CONTROL MEANS

Glenn T. Randol, St. Louis, Mo.
Continuation of application Serial No. 372,048, December 28, 1940. This application January 15, 1944, Serial No. 518,327

36 Claims. (Cl. 192—3.5)

1. In a control mechanism for a change speed transmission provided with two gear ratios, a main clutch operating pedal, means controlled by said clutch pedal when moved to a clutch disengaging position for establishing the gear ratios, means responsive to the speed of a member of

the transmission for determining which gear ratio will be established by the pedal-controlled means when operated, manual means independent of the clutch pedal for manually neutralizing by operator effort an established gear ratio, and

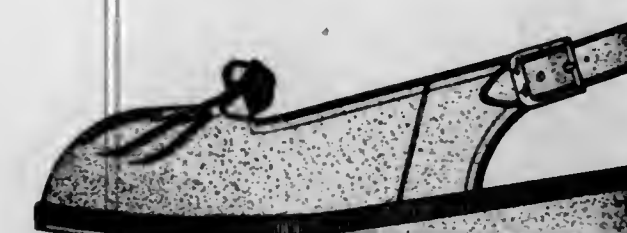


means operable by the manual means when moved to the position to neutralize a gear ratio for preventing the re-establishment of either gear ratio by said clutch pedal controlled means when the clutch pedal is moved to a clutch disengaged position.

DESIGNS

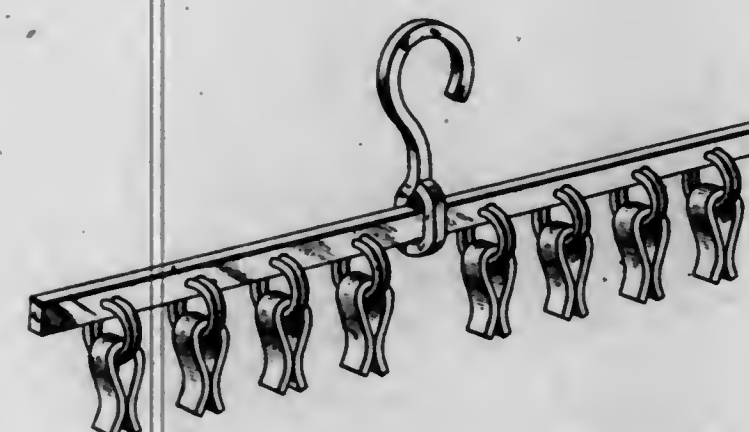
OCTOBER 2, 1945

142,461
DESIGN FOR A SHOE
Morris Wolock, New York, N. Y.
Application July 3, 1945, Serial No. 120,499
Term of patent $3\frac{1}{2}$ years
(Cl. D7—7)



The ornamental design for a shoe, substantially as shown.

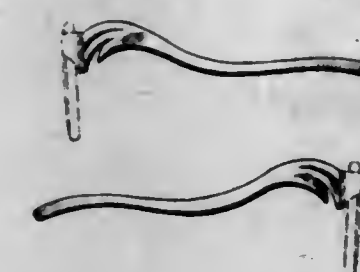
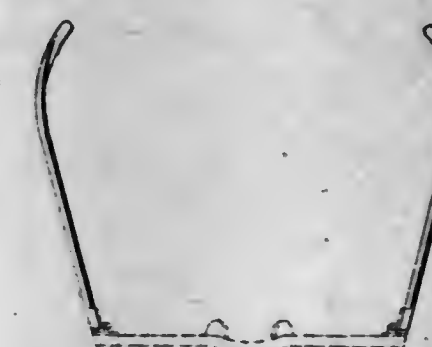
142,462
DESIGN FOR A CLOTHES HANGER
Dee R. Anderson, Western Springs, Ill.
Application March 1, 1945, Serial No. 118,204
Term of patent 14 years
(Cl. D80—8)



The ornamental design for a clothes hanger, as shown.

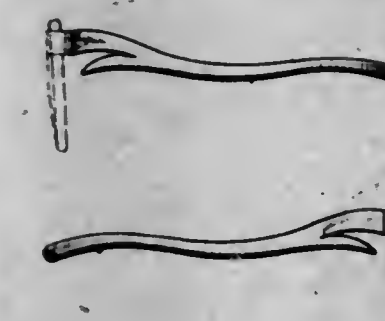
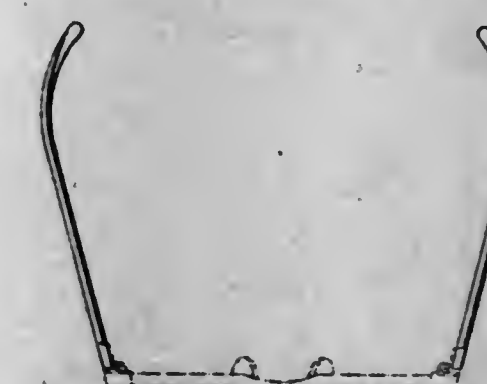
579 O. G.—9

142,463
DESIGN FOR A SPECTACLE FRAME
Altina Barrett and Eric Barrett,
Beverly Hills, Calif.
Application October 25, 1944, Serial No. 115,974
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a spectacle frame, substantially as shown and described.

142,464
DESIGN FOR A SPECTACLE FRAME
Eric Barrett and Altina Barrett,
Beverly Hills, Calif.
Application February 24, 1945, Serial No. 118,125
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a spectacle frame, substantially as shown and described.

129

142,465

DESIGN FOR A MUG

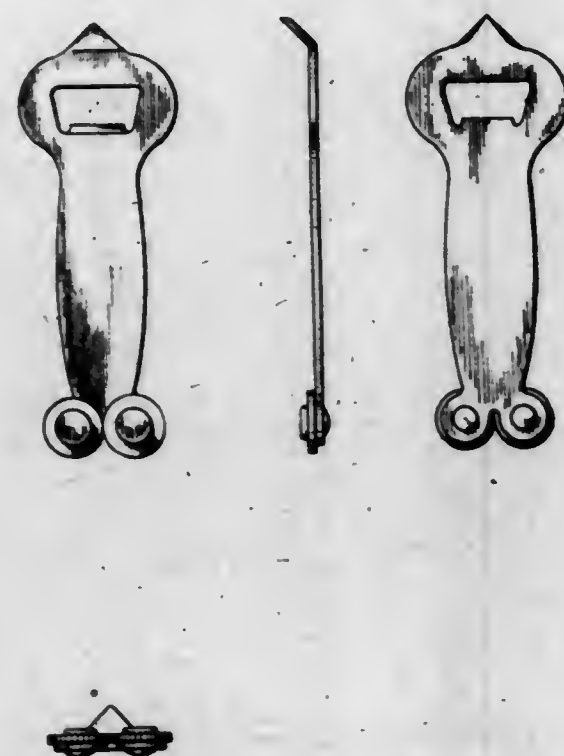
Harriet Hopkins Berne, Cincinnati, Ohio
Application February 16, 1945, Serial No. 118,004
Term of patent 7 years
(Cl. D44—9)



The ornamental design for a mug, as shown.

142,466

**DESIGN FOR A COMBINATION KNIFE
SHARPENER AND CAN OPENER**
Rudolph Boettinger, Englewood, N. J.
Application December 20, 1944, Serial No. 117,008
Term of patent 14 years
(Cl. D22—2)

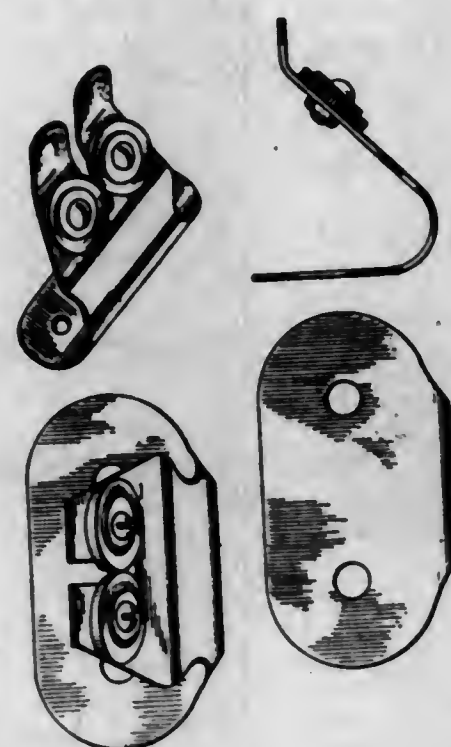


The ornamental design for a combination knife sharpener and can opener, substantially as shown.

142,467

DESIGN FOR A KNIFE SHARPENER

Rudolph Boettinger, Englewood, N. J.
Application January 5, 1945, Serial No. 117,276
Term of patent 14 years
(Cl. D37—1)

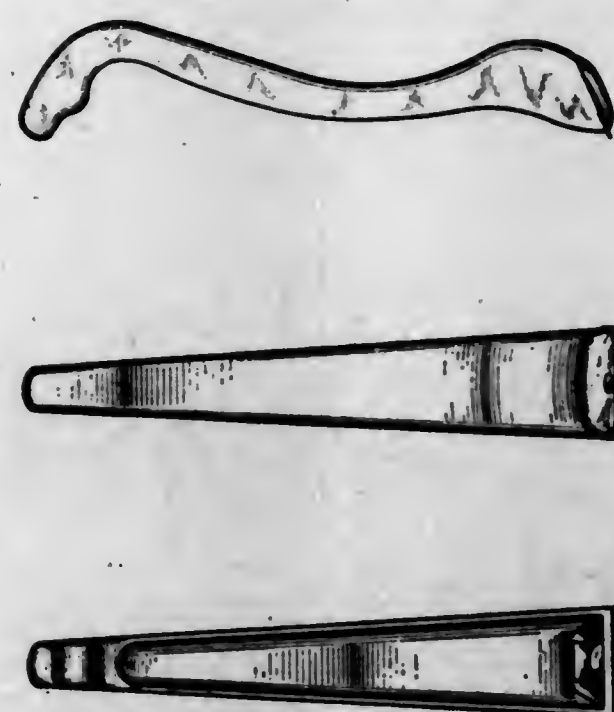


The ornamental design for a knife sharpener, substantially as shown.

142,468

DESIGN FOR A SCRAPING TOOL

Harry E. Bremer, Milwaukee, Wis.
Application May 11, 1945, Serial No. 119,491
Term of patent 14 years
(Cl. D9—6)

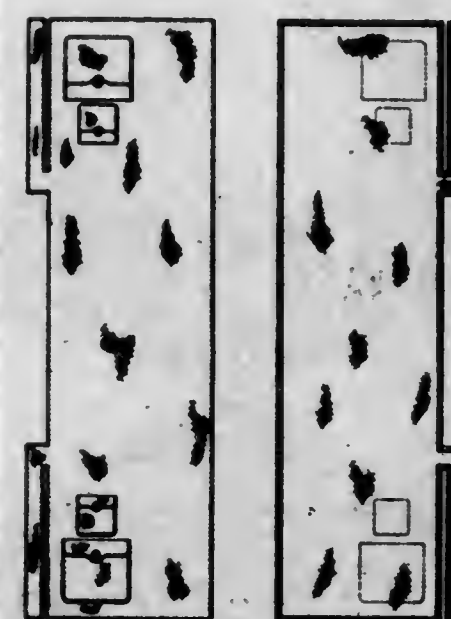


The ornamental design for a scraping tool, as shown.

142,469

DESIGN FOR A SCARF OR SIMILAR ARTICLE

Joe Brodigan, Brooklyn, N. Y.
Application June 21, 1945, Serial No. 120,232
Term of patent 14 years
(Cl. D3—16)

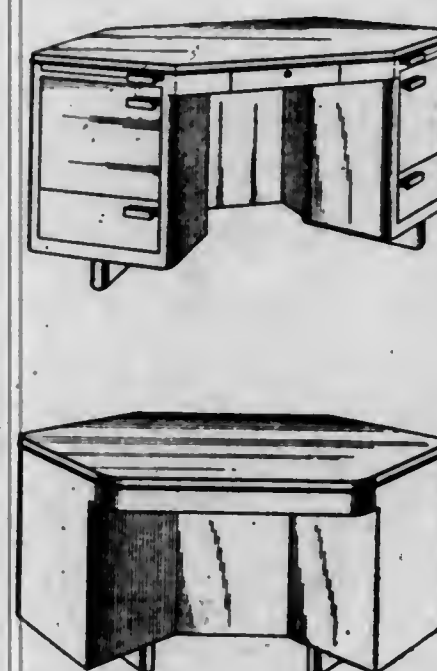


The ornamental design for a scarf or similar article, as shown.

142,470

DESIGN FOR A DESK

Irving Richard Cornish, Elmhurst, Ill., assignor of one-third to John Warren Paxton and one-third to George Noble Paxton, both of Bloomington, Ill.; Arlie L. Paxton and The National Bank of Bloomington, executors of said George Noble Paxton, deceased
Application December 31, 1943, Serial No. 112,130
Term of patent 14 years
(Cl. D33—7)

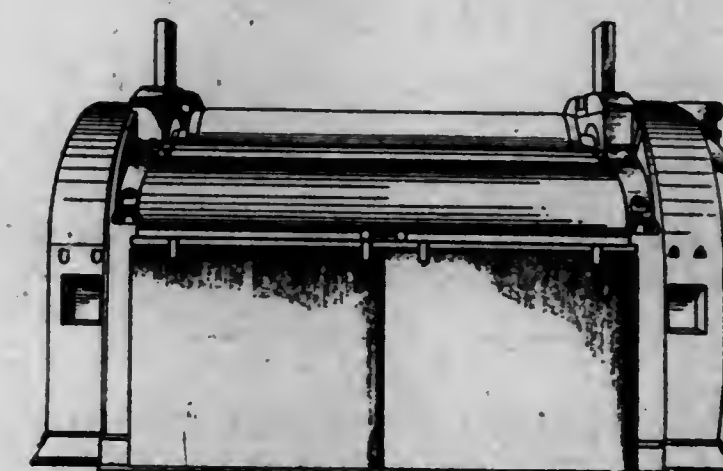
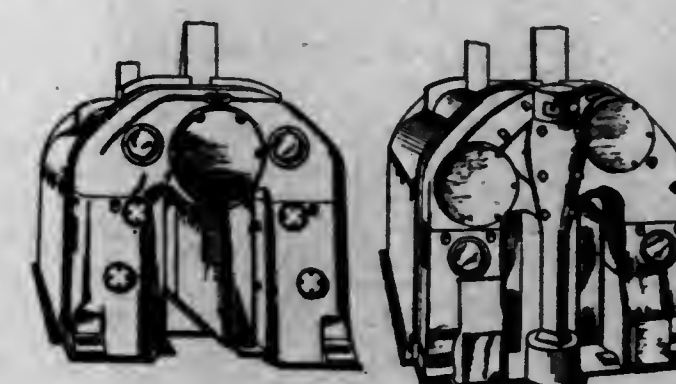


The ornamental design for a desk, substantially as shown.

142,471

DESIGN FOR A PRINTING PRESS

Curtis S. Crafts, Oak Park, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application December 30, 1944, Serial No. 117,169
Term of patent 14 years
(Cl. D64—11)

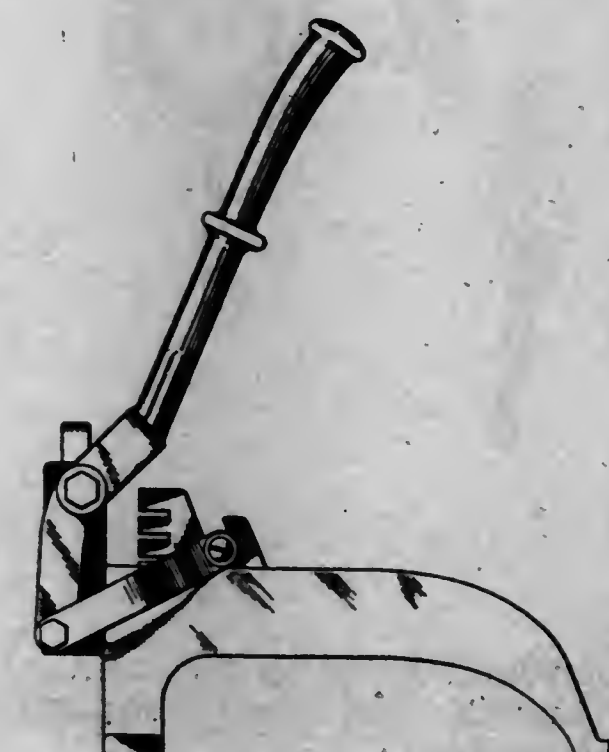


The ornamental design for a printing press, as shown and described.

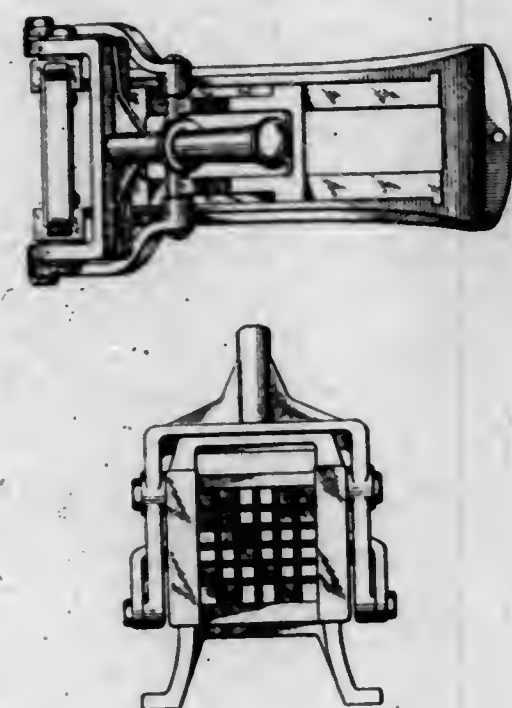
142,472

DESIGN FOR A VEGETABLE CUTTER

Frederick W. Eames, Medford, Mass.
Application April 12, 1945, Serial No. 118,968
Term of patent 7 years
(Cl. D89—1)

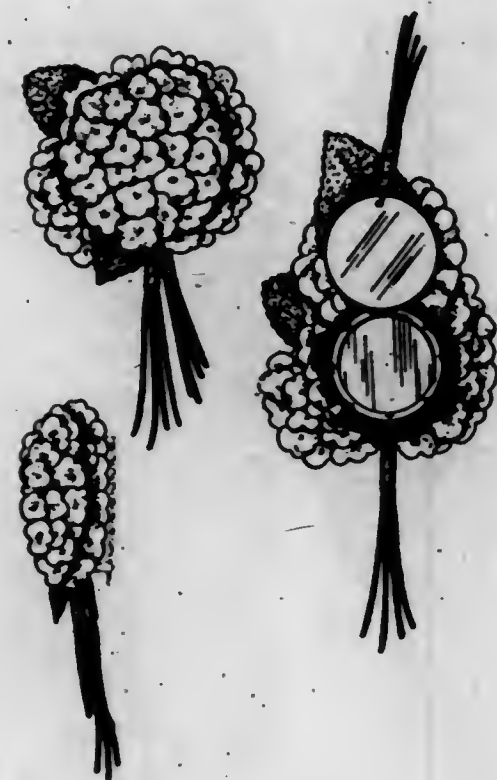


142,472—Continued



The ornamental design for a vegetable cutter, substantially as shown and described.

142,473
DESIGN FOR A COMBINED BROOCH, COMPACT, LIPSTICK, AND COMB
 Ruth L. Fisk, New York, N. Y.
 Application June 22, 1945, Serial No. 120,251
 Term of patent 7 years
 (Cl. D86—10)



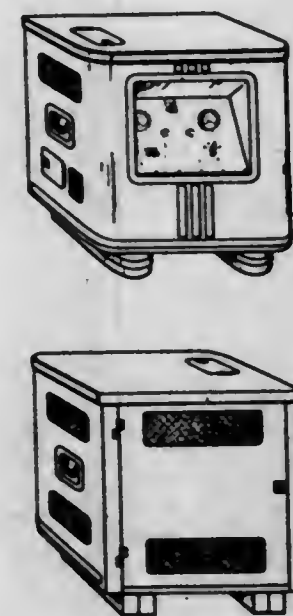
The ornamental design for a combined brooch, compact, lipstick, and comb, substantially as shown and described.

142,474
DESIGN FOR A CANDLE HOLDER OR ARTICLE OF SIMILAR NATURE
 Charles L. Fordyce, New York, N. Y., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y., a corporation of New York
 Application March 19, 1945, Serial No. 118,583
 Term of patent 14 years
 (Cl. D48—2)



The ornamental design for a candle holder or article of similar nature, substantially as shown.

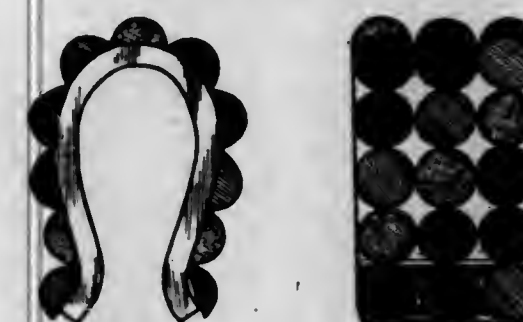
142,475
DESIGN FOR A HOUSING FOR ELECTRICAL APPARATUS
 Edward O. Gaguski, Baltimore, Md., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
 Application September 23, 1944, Serial No. 115,429
 Term of patent 14 years
 (Cl. D26—5)



The ornamental design for a housing for electrical apparatus, as shown and described.

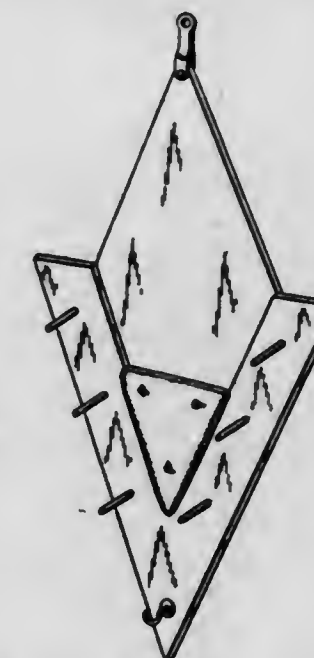
142,476
DESIGN FOR A HAIR CLIP OR SIMILAR ARTICLE

Gloria Goldman, New York, N. Y.
 Application May 7, 1945, Serial No. 119,431
 Term of patent 3½ years
 (Cl. D86—10)



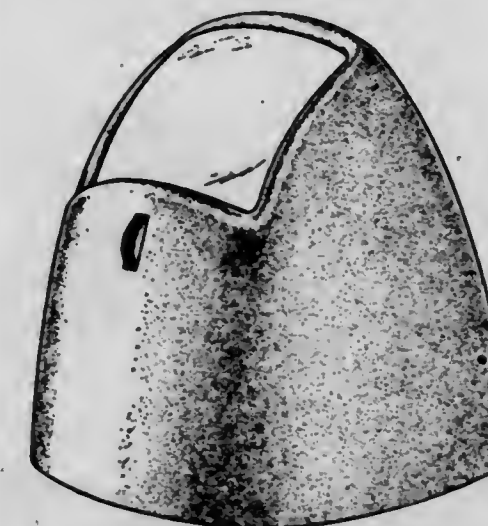
The ornamental design for a hair clip or similar article, substantially as shown and described.

142,477
DESIGN FOR A COMBINED SEWING RACK AND PINCUSHION
 Anthony A. Grimsby, Bradford, Ontario, Canada
 Application May 4, 1945, Serial No. 119,398
 In Canada January 17, 1945
 Term of patent 3½ years
 (Cl. D3—19)

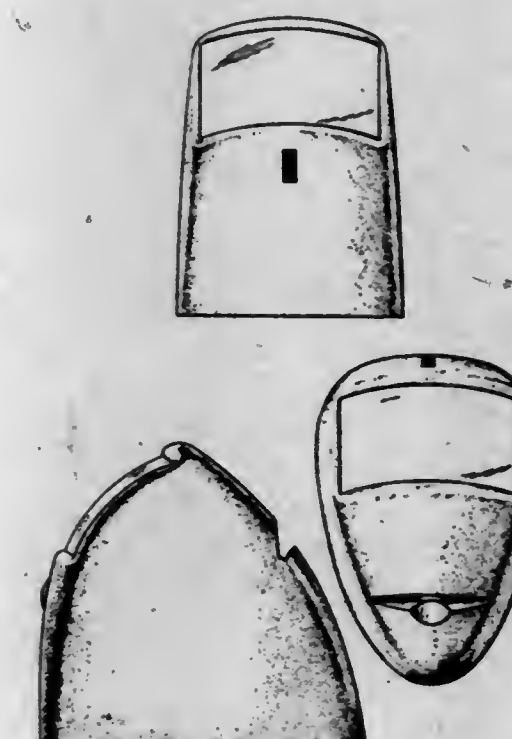


The ornamental design of a combined sewing rack and pincushion, as shown and described.

142,478
DESIGN FOR A SLIDE VIEWER CASING
 Richard A. Hartley, North Hollywood, Calif., assignor to Adel Precision Products Corp., a corporation of California
 Application July 3, 1945, Serial No. 120,478
 Term of patent 14 years
 (Cl. D57—1)

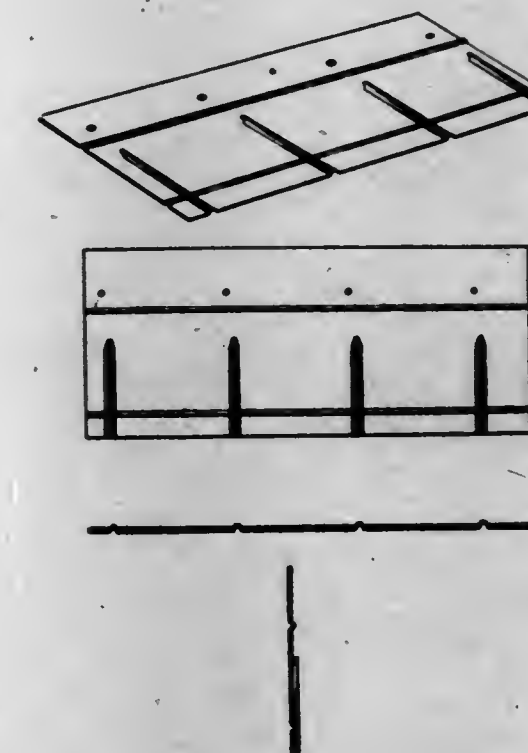


142,478—Continued



The ornamental design for a slide viewer casing, substantially as shown.

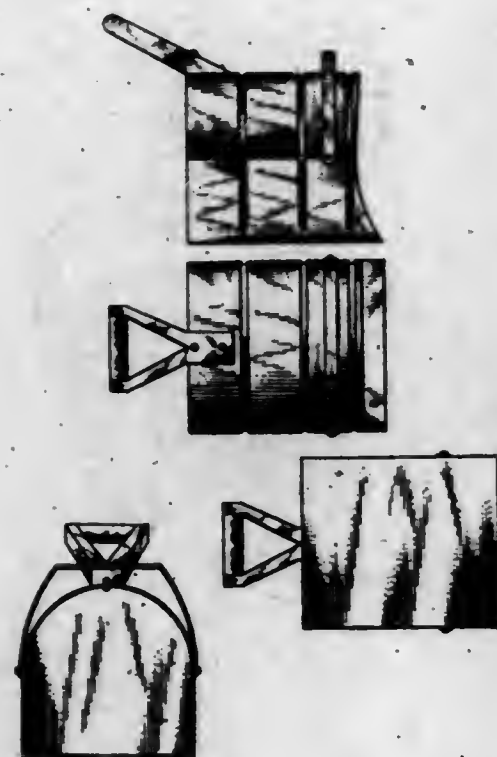
142,479
DESIGN FOR A BUILDING SIDING UNIT OR THE LIKE
 Walter J. Heinning, Buffalo, N. Y.
 Application January 11, 1945, Serial No. 117,374
 Term of patent 14 years
 (Cl. D68—1)



The ornamental design for a building siding unit or the like, as shown.

142,480

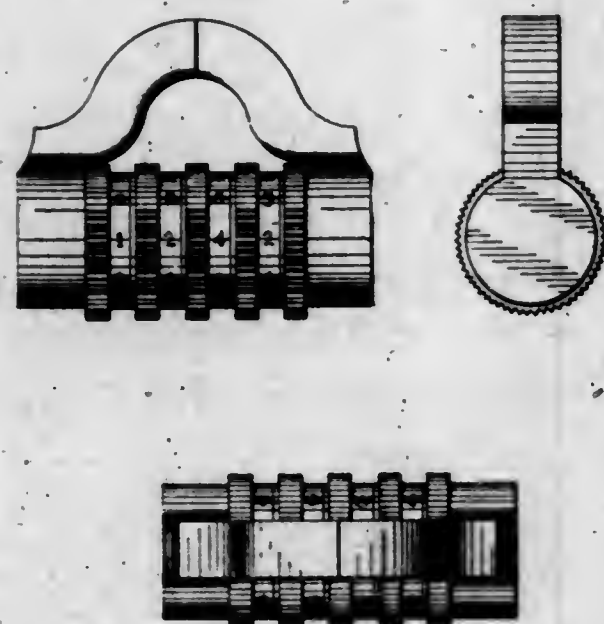
DESIGN FOR A SCOOP OR SIMILAR ARTICLE
Norris E. Hopkins, Chicago, Ill.
Application March 29, 1945, Serial No. 118,781
Term of patent 7 years
(Cl. D44—29)



The ornamental design for a scoop or similar article, as shown.

142,481

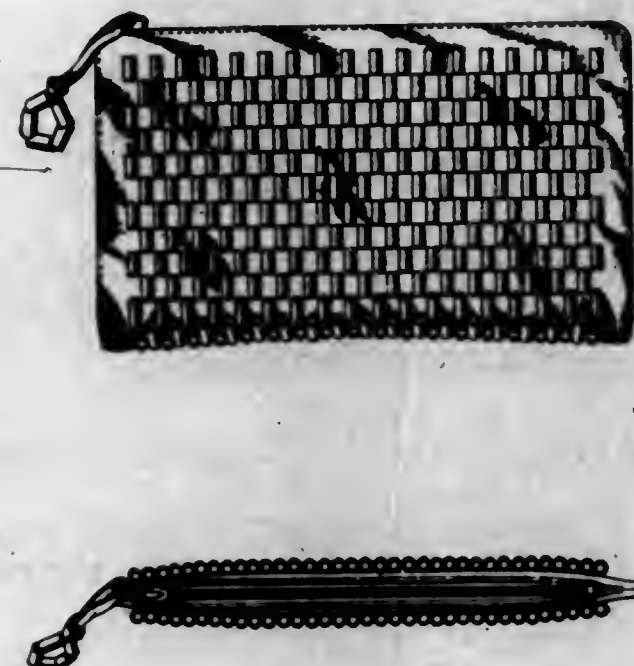
DESIGN FOR A PERMUTATION PADLOCK
Gyuro E. B. Jakopets, Chicago, Ill.
Application May 25, 1945, Serial No. 119,733
Term of patent 7 years
(Cl. D50—8)



The ornamental design for a permutation padlock, as shown.

142,482

DESIGN FOR A HANDBAG
Ludwig Kaphan, Brooklyn, N. Y.
Application February 24, 1945, Serial No. 118,129
Term of patent 14 years
(Cl. D87—3)



The ornamental design for a handbag, substantially as shown and described.

142,483

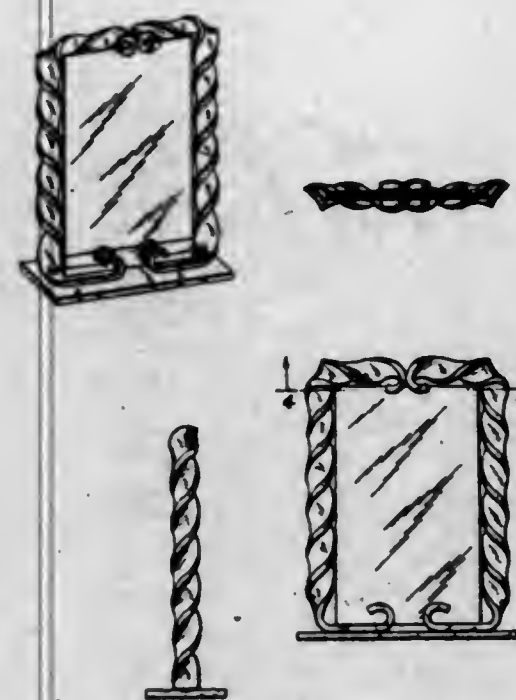
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application May 22, 1945, Serial No. 119,676
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

142,484

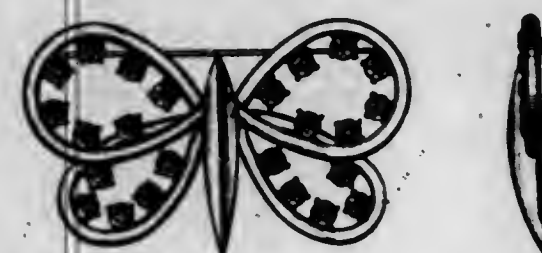
DESIGN FOR A PICTURE FRAME
Edmund D. Kissling, New York, N. Y.
Application May 24, 1945, Serial No. 119,700
Term of patent 14 years
(Cl. D29—20)



The ornamental design for a picture frame, as shown.

142,485

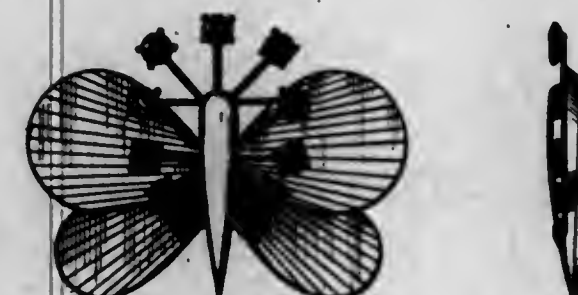
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marc I. Koven, Brooklyn, N. Y.
Application May 2, 1945, Serial No. 119,348
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a pin or similar article, substantially as shown.

142,486

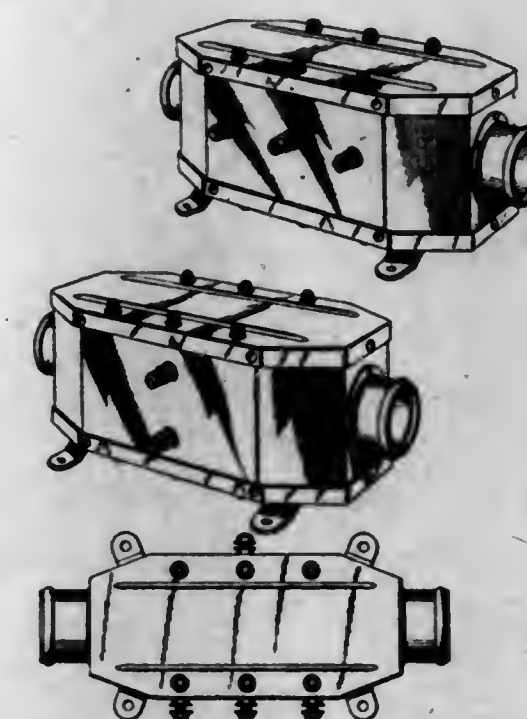
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marc I. Koven, Brooklyn, N. Y.
Application May 2, 1945, Serial No. 119,349
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a pin or similar article, substantially as shown.

142,487

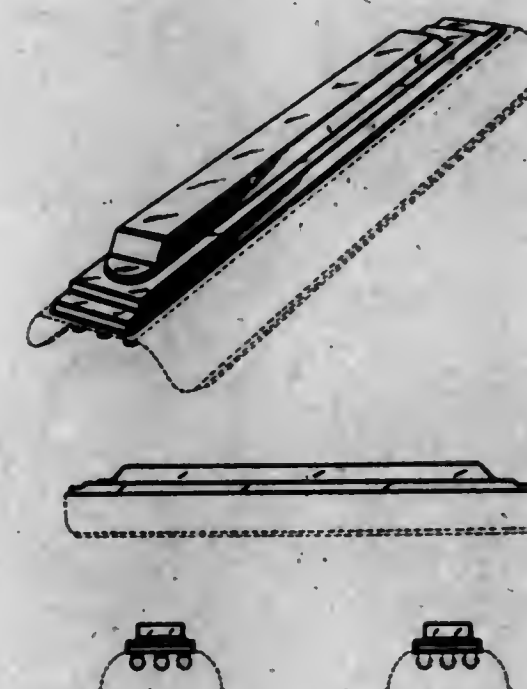
DESIGN FOR A RECTIFIER HOUSING
Warren S. Master, Rutherford, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application December 4, 1944, Serial No. 116,695
Term of patent 14 years
(Cl. D26—15)



The ornamental design for a rectifier housing, as shown.

142,488

DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
Carl X. Meyer, St. Louis, Mo., assignor to Day-Brite Lighting, Inc., St. Louis, Mo., a corporation of Missouri
Application May 17, 1945, Serial No. 119,592
Term of patent 14 years
(Cl. D48—20)



The ornamental design for a fluorescent lighting fixture, as shown and described.

142,489
DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE
 Frank Morrow, Johnston, R. I.
 Application June 14, 1945, Serial No. 120,069
 Term of patent $3\frac{1}{2}$ years
 (Cl. D45—19)



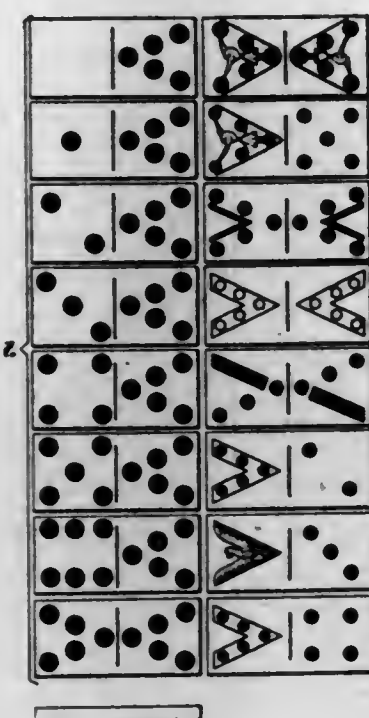
The ornamental design for a jewelry pin or similar article, substantially as shown.

142,490
DESIGN FOR A POTTERY PIECE
 Selma V. Murray, Kansas City, Mo.
 Application May 28, 1945, Serial No. 119,777
 Term of patent 7 years
 (Cl. D29—28)



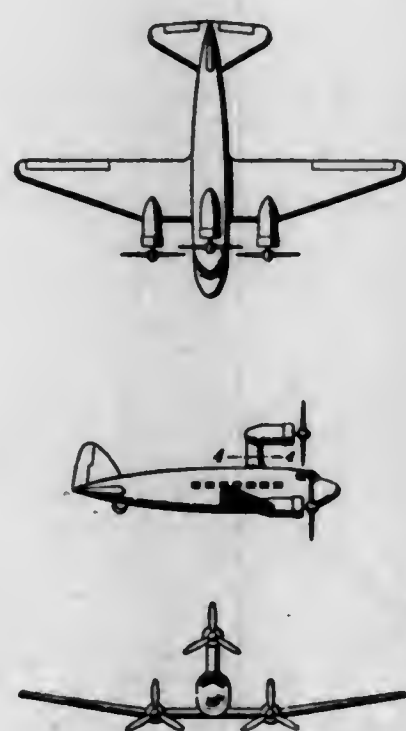
The ornamental design for a pottery piece, as shown.

142,491
DESIGN FOR A SET OF DOMINOES
 Joseph Neiser, Miami, Fla.
 Application May 10, 1945, Serial No. 119,472
 Term of patent 14 years
 (Cl. D34—5)



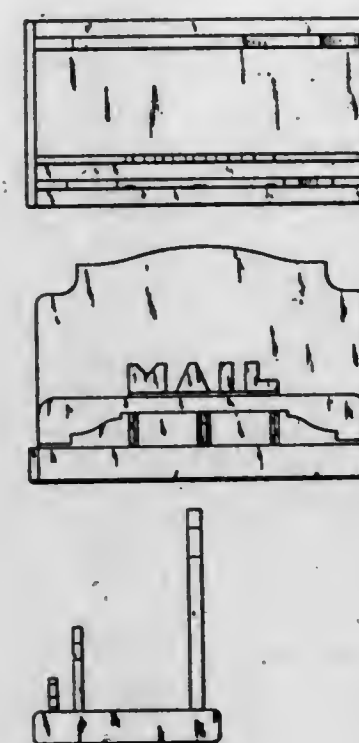
The ornamental design for a set of dominoes, as shown.

142,492
DESIGN FOR AN AIRPLANE
 Leo E. Oliver, Sanger, Calif.
 Application October 21, 1944, Serial No. 115,908
 Term of patent 14 years
 (Cl. D71—1)



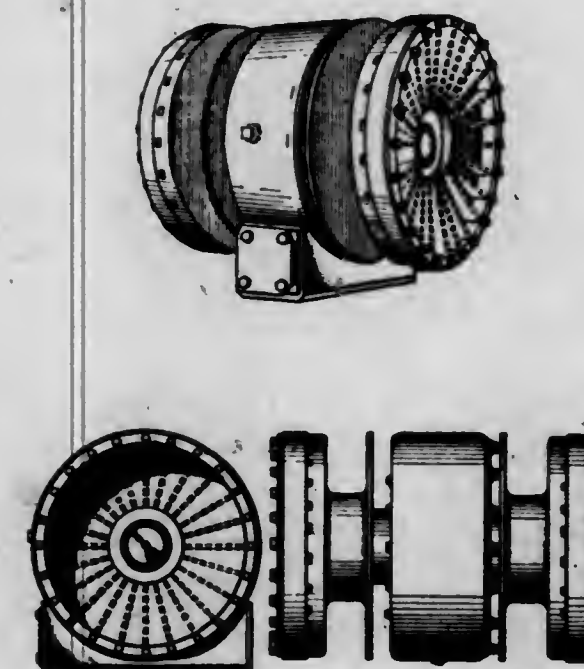
The ornamental design for an airplane, as shown.

142,493
DESIGN FOR A MAIL RECEPTACLE OR SIMILAR ARTICLE
 Thomas B. Owens, Cleveland, Ohio
 Application May 1, 1945, Serial No. 119,341
 Term of patent 7 years
 (Cl. D74—9)



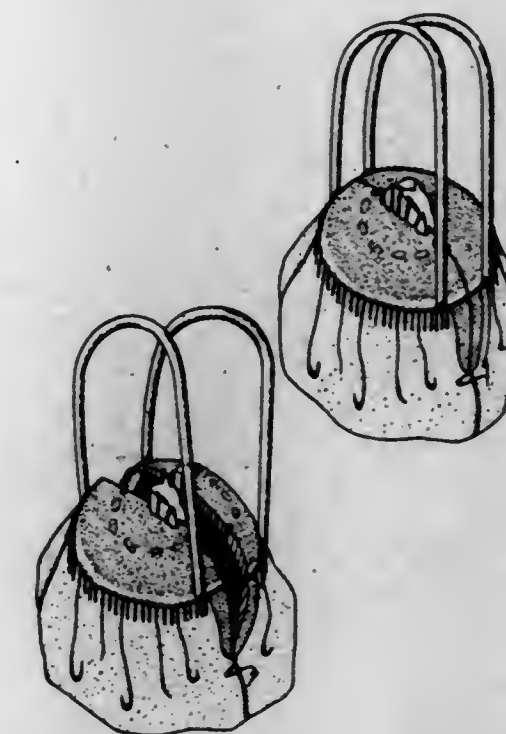
The ornamental design for a mail receptacle or similar article, substantially as shown.

142,494
DESIGN FOR A POWER UNIT
 Oscar R. Peterson, Oakland, and Robert A. Peterson, San Leandro, Calif.
 Application April 28, 1944, Serial No. 113,399
 Term of patent $3\frac{1}{2}$ years
 (Cl. D55—1)



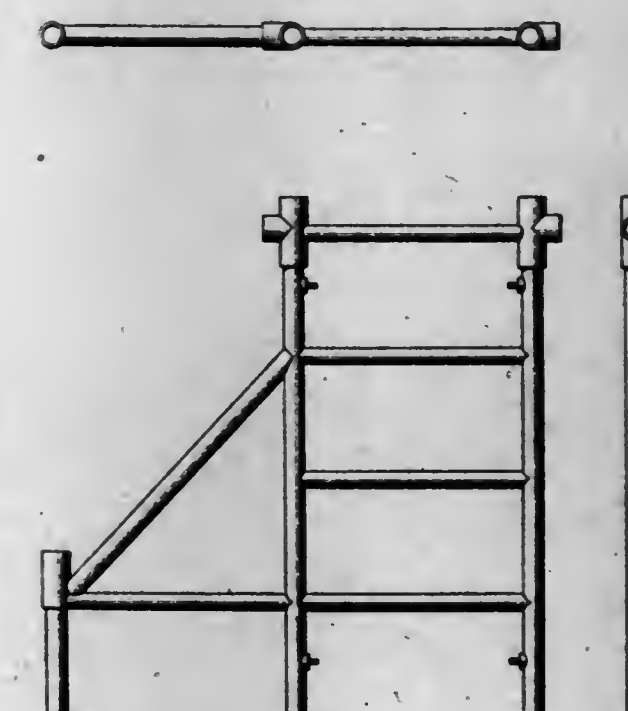
The ornamental design for a power unit, as shown.

142,495
DESIGN FOR A HANDBAG
 Irving Pichel, New York, N. Y.
 Application June 27, 1945, Serial No. 120,368
 Term of patent 7 years
 (Cl. D87—3)



The ornamental design for a handbag, substantially as shown and described.

142,496
DESIGN FOR A SCAFFOLD UNIT
 Leo A. Reiner, Detroit, Mich.
 Application May 26, 1945, Serial No. 119,756
 Term of patent 14 years
 (Cl. D54—1)



The ornamental design for a scaffold unit, as shown.

142,497

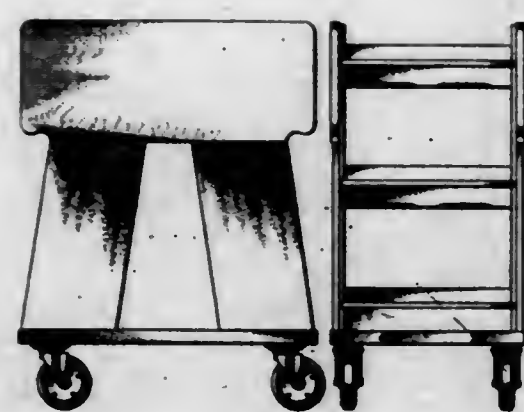
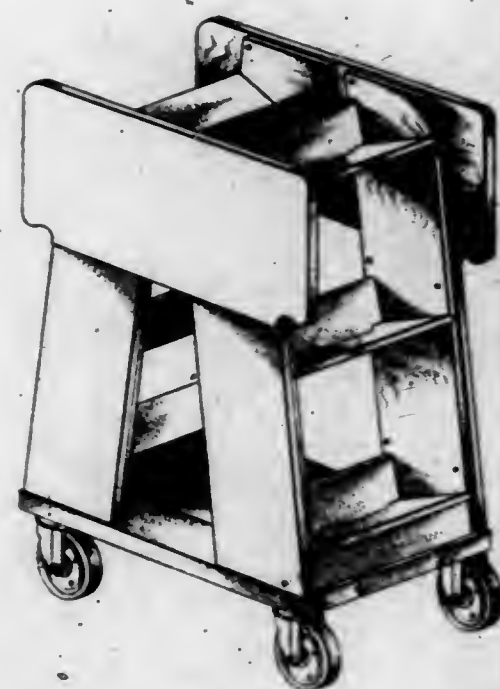
DESIGN FOR A BOOK TRUCK

Fremont Rider, Middletown, Conn., assignor to
Remington Rand Inc., Buffalo, N. Y., a corpora-
tion of Delaware

Application April 26, 1945, Serial No. 119,233

Term of patent 14 years

(Cl. D14—3)



The ornamental design for a book truck, substantially as shown.

142,498

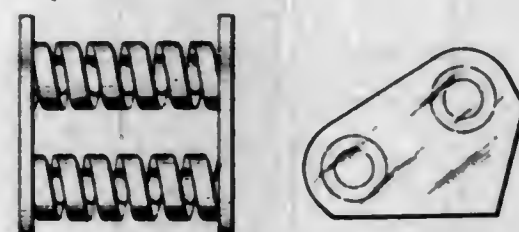
DESIGN FOR A DISPLAY STAND OR SIMILAR ARTICLE FOR JEWELRY AND THE LIKE

Morris Salinger, Brooklyn, N. Y.

Application September 13, 1944, Serial No. 115,293

Term of patent 14 years

(Cl. D80—9)



The ornamental design for a display stand or similar article for jewelry and the like, substantially as shown.

142,499

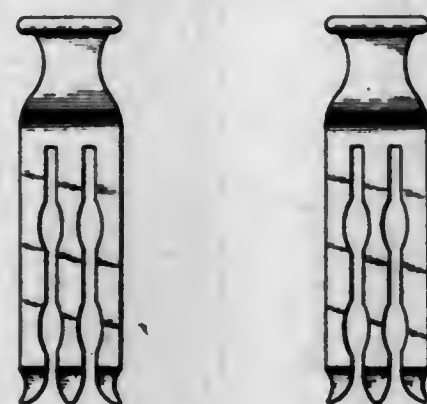
DESIGN FOR A CLOTHESPIN

Wesley L. Scharf, Inkster, Mich.

Application March 6, 1945, Serial No. 118,288

Term of patent 14 years

(Cl. D17—6)



The ornamental design for a clothespin, as shown.

142,500

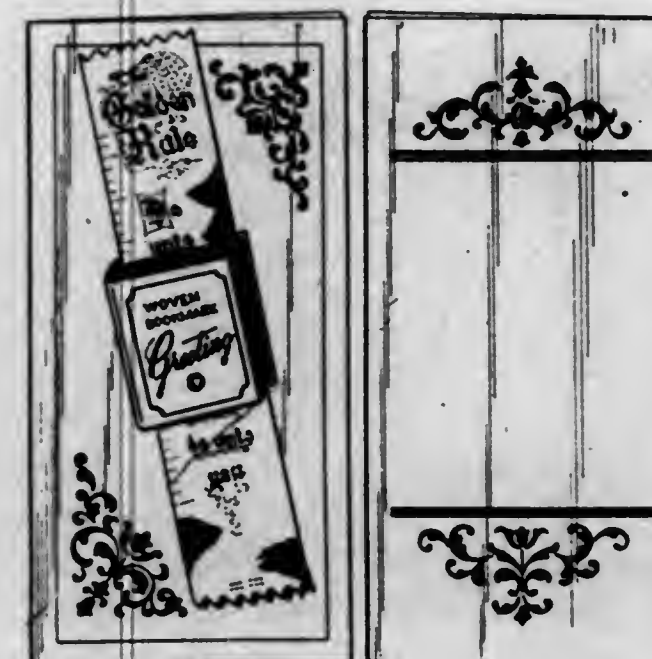
DESIGN FOR A COMBINED BOOKMARK AND GREETING CARD

Jack V. Scott, Philadelphia, Pa.

Application June 9, 1945, Serial No. 120,001

Term of patent 14 years

(Cl. D59—2)



The ornamental design for a combined bookmark and greeting card, substantially as shown.

142,501

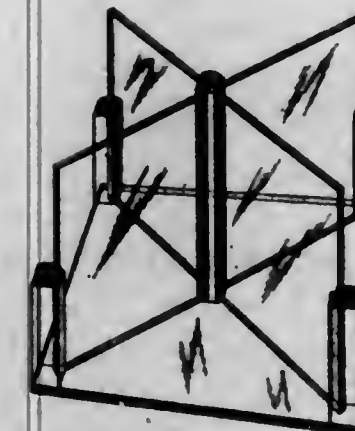
DESIGN FOR A MULTIPLE PICTURE FRAME

Isaac B. Sherr, Los Angeles, Calif.

Application March 7, 1945, Serial No. 118,295

Term of patent 7 years

(Cl. D29—20)



The ornamental design for a multiple picture frame, substantially as shown.

142,502

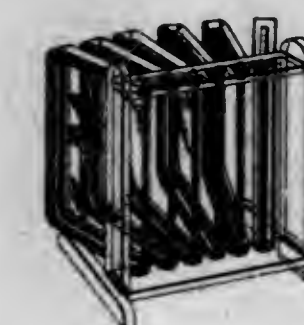
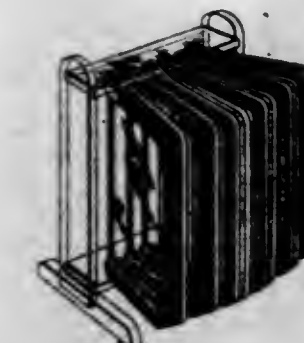
DESIGN FOR A MULTIPLE PICTURE FRAME

Isaac B. Sherr, Los Angeles, Calif.

Application March 7, 1945, Serial No. 118,297

Term of patent 3½ years

(Cl. D29—20)



The ornamental design for a multiple picture frame, substantially as shown.

142,503

DESIGN FOR A SIGNAL LIGHT FOR AUTOMOBILES

David Smith, Cleveland, Ohio

Application November 10, 1944, Serial No. 116,262

Term of patent 14 years

(Cl. D72—1)



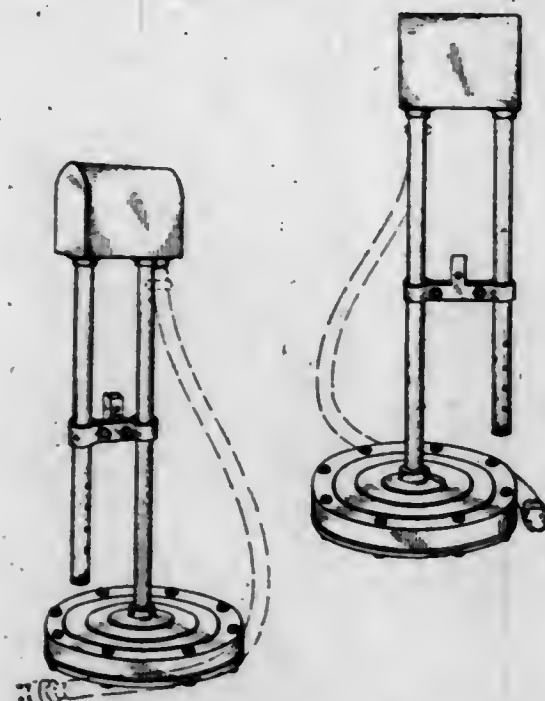
The ornamental design for a signal light for automobiles, as shown.

142,504
DESIGN FOR A DISPLAY BOX OR SIMILAR ARTICLE
 Morris Walkimer, New Haven, Conn.
 Application December 30, 1944, Serial No. 117,164
 Term of patent $3\frac{1}{2}$ years
 (Cl. D80—5)



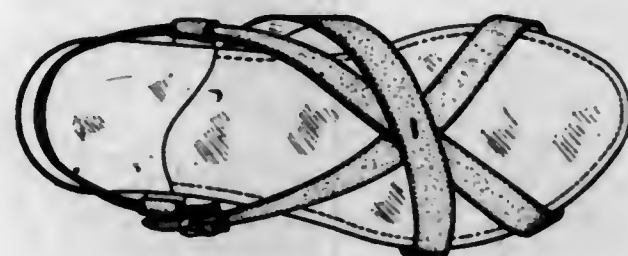
The ornamental design for a display box or similar article, as shown.

142,505
DESIGN FOR AN ELECTRIC WATER HEATER FOR STOCK TANKS AND THE LIKE
 Boyd W. Warner, North Manchester, Ind., assignor to The Warner Brooder & Appliance Corporation, North Manchester, Ind., a corporation of Indiana
 Application May 25, 1945, Serial No. 119,729
 Term of patent 14 years
 (Cl. D81—10)



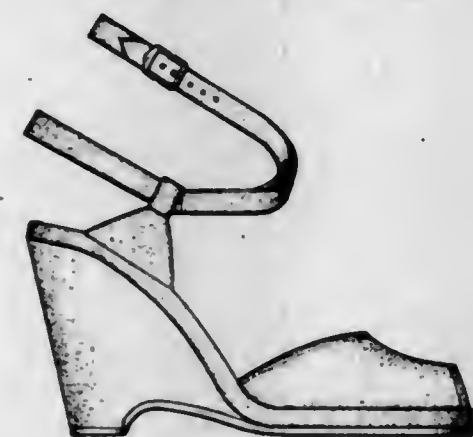
The ornamental design for an electric water heater for stock tanks and the like, substantially as shown and described.

142,506
DESIGN FOR A SHOE
 Morris Wolock, New York, N. Y.
 Application July 3, 1945, Serial No. 120,497
 Term of patent $3\frac{1}{2}$ years
 (Cl. D7—7)



The ornamental design for a shoe, substantially as shown.

142,507
DESIGN FOR A SHOE
 Morris Wolock, New York, N. Y.
 Application July 3, 1945, Serial No. 120,498
 Term of patent $3\frac{1}{2}$ years
 (Cl. D7—7)



The ornamental design for a shoe, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

AG Chemical Products: See—

Arnott, Edward H.
 Allied Kid Company, Boston, Mass. Kid and morocco leather. Serial No. 483,950; Oct. 2. Class 1.
 Angelus Laboratories: See—
 Brunswick Drug Company.
 Armand Company, The, Des Moines, Iowa. Antiseptic and medicated skin cream. Serial No. 484,225; Oct. 2. Class 6.
 Arnott, Edward H., doing business as AG Chemical Products, Indianapolis, Ind. Stock insecticide. Serial No. 484,334; Oct. 2. Class 6.
 Associated Chemicals Limited, Richmond, England. Sedative and soporific pharmaceutical preparation. Serial No. 480,366; Oct. 2. Class 6.
 Associated Distributors, Inc., Chicago, Ill., now by change of name Associated Products, Inc. Face powder, face make-up, lipstick, etc. Serial No. 480,641; Oct. 2. Class 6.
 Associated Knitted Outerwear Mills, Inc., New York, N. Y. Men's and boys' shirts. Serial No. 476,129; Oct. 2. Class 39.
 Associated Knitted Outerwear Mills, Inc., New York, N. Y. Men's, boys' and children's underwear and knitted outerwear. Serial No. 484,817; Oct. 2. Class 39.
 Associated Products, Inc.: See—
 Associated Distributors, Inc.
 "Automatic" Sprinkler Company of America, Youngstown, Ohio. Deluge sprinkler units, piping, valves, and sprinklers therefor. Serial No. 471,782; Oct. 2. Class 13.
 Berger, Herman, doing business as Standard Pharmaceutical Co., New York, N. Y. Sedative, tonic, expectorant, etc. Serial No. 483,759; Oct. 2. Class 6.
 Bestosol Co., The: See—
 Rubenstein, Meyer.
 Boner, Frank L., doing business as Lady Joan Laboratories, Reading, Pa. Sachet perfume. Serial No. 466,938; Oct. 2. Class 6.
 Breon, George A., & Company, Kansas City, Mo. Compound for the treatment of gastro-intestinal infections. Serial No. 480,813; Oct. 2. Class 6.
 Brunswick Drug Company, also doing business as Angelus Laboratories, Los Angeles, Calif. Liniment. Serial No. 483,648; Oct. 2. Class 6.
 Brunswick Drug Company, also doing business as Angelus Laboratories, Los Angeles, Calif. Capsules for treatment of colds. 483,651; Oct. 2. Class 6.
 Calzado Domit, S. A., Mexico City, Mexico. Shoes. Serial No. 472,272; Oct. 2. Class 39.
 Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Hair tonic. Serial Nos. 484,824-5; Oct. 2. Class 6.
 Cifuentes Y Compania, Habana, Cuba. Cigars. Serial No. 481,613; Oct. 2. Class 17.
 Clyne, Joseph, New York, N. Y. Periodical publication. Serial No. 484,481; Oct. 2. Class 38.
 Consumers Merchandise Mart: See—
 Richter & Phillips Co., The.
 Continental Supply Company, The, Dallas, Tex. Reciprocating, centrifugal and rotary pumps, horizontal and vertical engines of Diesel or distillate type. Serial No. 485,265; Oct. 2. Class 23.
 Corn Products Refining Company, New York, N. Y. Monosaccharide derived by hydrolysis of polymers carbohydrate materials. Serial No. 472,415; Oct. 2. Class 1.
 Corn Products Refining Company, New York, N. Y. Chemically modified corn protein. Serial No. 480,314; Oct. 2. Class 6.
 Craig-California, James, Los Angeles, Calif. Dresses. Serial No. 479,424; Oct. 2. Class 39.
 Crossen, Ken, doing business as Fact & Fiction Publications, New York, N. Y. Periodical magazines. Serial No. 484,484; Oct. 2. Class 38.
 Crystal Research Laboratories, Incorporated, Hartford, Conn. Crystals and crystal units. Serial No. 484,883; Oct. 2. Class 21.
 Dr. Pepper Company, Dallas, Tex. Nonalcoholic, maltless beverages. Serial Nos. 485,629-30; Oct. 2. Class 45.
 Elston, Edwin, Los Angeles, Calif. Sensitized photographic films. Serial No. 484,871; Oct. 2. Class 26.
 Fact & Fiction Publications: See—
 Crossen, Ken.
 Fliegel, Edward, Brooklyn, N. Y. Rat traps. Serial No. 481,623; Oct. 2. Class 50.
 Foster, Babette A., doing business as Plastic Articles Company, New York, N. Y. Unfilled compacts of plastic material. Serial No. 486,034; Oct. 2. Class 2.
 Fowler, Frederick V., doing business as Stanton Supply Co., Boston, Mass. Chamolais and sponges. Serial No. 476,428; Oct. 2. Class 1.
 Gardiner Mfg. Co.: See—
 Gardiner, Thomas R.

Gardiner, Thomas R., doing business as Gardiner Mfg. Co., Oakland, Calif. Unfinished or partly finished or semi-fabricated castings, and forgings. Serial No. 469,810; Oct. 2. Class 14.
 Glasgow Sportswear Company, New York, N. Y. Girls' and women's sportswear. Serial No. 479,338; Oct. 2. Class 39.
 Globe Disinfecting Co., Inc., New York, N. Y. Liquid cleaner and stain remover. Serial No. 482,739; Oct. 2. Class 4.
 Globe Laboratories, Fort Worth, Tex. Fluid suspension of a sulfa drug. Serial No. 471,306; Oct. 2. Class 6.
 Goodyear Tire & Rubber Company, Inc., The, Akron, Ohio. Outboard motors. Serial No. 484,891; Oct. 2. Class 23.
 Grant Photo Products, Incorporated, New York, N. Y. Sensitized photographic paper. 485,441; Oct. 2. Class 26.
 Graton & Knight Company, Worcester, Mass. Belt dressing. Serial No. 482,839; Oct. 2. Class 4.
 Hallgarten, Helene, New York, N. Y. Handkerchiefs, neck scarves and head scarves. Serial No. 473,316; Oct. 2. Class 39.
 Hecker, B. Company, New York, N. Y. Jewelry. Serial No. 483,373; Oct. 2. Class 28.
 Heddon's, James, Sons, Dowagiac, Mich. Fishing rods. Serial No. 486,715; Oct. 2. Class 22.
 Hercules Powder Company, Wilmington, Del. Synthetic resin. Serial No. 479,622; Oct. 2. Class 1.
 Lady Joan Laboratories: See—
 Boner, Frank L.
 Lederle Laboratories, Inc., New York, N. Y. Sulfathiazole preparation. Serial No. 484,310; Oct. 2. Class 6.
 Lederle Laboratories, Inc., New York, N. Y. Sulfaguanidine-niacin preparation. Serial No. 484,311; Oct. 2. Class 6.
 Lelong, Lucien, Inc., Chicago, Ill. Perfumes, cologne, toilet water, etc. Serial No. 474,416; Oct. 2. Class 6.
 Lelong, Lucien, Inc., Chicago, Ill. Lipsticks. Serial No. 484,573; Oct. 2. Class 6.
 Les Parfums de Dana, Inc., New York, N. Y. Vanity cases, compacts, and lipstick holders. Serial No. 486,044; Oct. 2. Class 2.
 Louis, M., Products Co.: See—
 Napolitan, Louis.
 Lowell & Grayson, Monrovia, Calif. Milling cutters. Serial No. 477,271; Oct. 2. Class 23.
 Merritt Products Company, Cleveland, Ohio. Adhesive cement. Serial No. 484,794; Oct. 2. Class 5.
 Monitor Equipment Corporation, New York, N. Y. Refrigerators. Serial Nos. 486,053-4; Oct. 2. Class 31.
 Myrurgia, S. A., Barcelona, Spain. Toilet soap. Serial No. 482,850; Oct. 2. Class 4.
 Myrurgia, S. A., Barcelona, Spain. Toilet soap. Serial Nos. 483,278-9; Oct. 2. Class 4.
 Mallinckrodt Chemical Works, St. Louis, Mo. Alkanolamine carbonate polymers. Serial No. 484,209; Oct. 2. Class 6.
 Napolitan, Louis, doing business as M. Louis Products Co., New York, N. Y. Shampoo. Serial No. 476,477; Oct. 2. Class 6.
 National Carbon Company, Inc., New York, N. Y. Carbon electrodes and graphite electrodes. Serial No. 478,788; Oct. 2. Class 21.
 National Foundry Sand Co., Detroit, Mich. Ground natural rock. Serial No. 484,420; Oct. 2. Class 1.
 Nichols, John R., doing business as Pam Products Co., Seattle, Wash. Liquid preparation. Serial No. 475,966; Oct. 2. Class 4.
 Niederer, Otto, Sons, Inc., Titusville, N. J. Apparatus for candling, grading and handling eggs. Serial No. 483,868; Oct. 2. Class 26.
 Nyal Company, Detroit, Mich. Medicinal preparation. Serial No. 484,316; Oct. 2. Class 6.
 Pam Products Co.: See—
 Nichols, John R.
 Plastic Articles Company: See—
 Foster, Babette A.
 Plastic Engineering, Inc., Cleveland, Ohio. Molded thermoplastic whistles. Serial No. 478,083; Oct. 2. Class 22.
 Pressed Steel Car Company, Inc., Pittsburgh, Pa. Electric cooking stoves and ranges. Serial No. 485,451; Oct. 2. Class 21.
 Priess, John L., Chicago, Ill. Perfume, cologne, toilet water, etc. Serial No. 481,714; Oct. 2. Class 6.
 Richter & Phillips Co., The, doing business as Consumers Merchandise Mart, Cincinnati, Ohio. Bracelets and other articles of jewelry. Serial No. 484,182; Oct. 2. Class 28.
 Roburn Sportswear Corp., New York, N. Y. Men's and boys' dress and sport shirts. Serial No. 484,705; Oct. 2. Class 39.

Rotary Shirt Co., Inc., New York, N. Y. Men's and boys' dress and sport shirts. Serial No. 484,707; Oct. 2. Class 39.
 Rubenstein, Meyer, doing business as The Bestoseal Co., New York, N. Y. Liquid wood preservative. Serial No. 479,445; Oct. 2. Class 6.
 Rudolph, Serge, New York, N. Y. Ladies' and misses' dresses. Serial No. 483,348; Oct. 2. Class 39.
 Shedd-Bartush Foods, Inc., Detroit, Mich. Oleomargarine. Serial No. 472,127; Oct. 2. Class 46.
 Sokoloff, Boris Th., Bloomfield, N. J. Vitamin food supplement. Serial No. 484,038; Oct. 2. Class 6.
 Standard Pharmaceutical Co.: See—
 Berger, Herman.
 Stanton Supply Co.: See—
 Fowler, Frederick V.
 Sumet Corporation, Buffalo, N. Y. Bearing metals, cored and solid bars, gear blanks, etc. Serial No. 482,402; Oct. 2. Class 14.
 Summers, Chas. G., Jr., Incorporated, New Freedom, Pa. Canned beans. Serial No. 482,302; Oct. 2. Class 46.
 Toledo General Manufacturing Company, The, Toledo, Ohio. Drill presses. Serial No. 484,989; Oct. 2. Class 23.
 Tremco Manufacturing Company, The, Cleveland, Ohio. Protective floor coatings. Serial No. 484,067; Oct. 2. Class 16.

Walker, Ralph J., doing business as Walker's Medical Arts Pharmacy, Newport News, Va. Liniment. Serial No. 484,284; Oct. 2. Class 6.
 Walker, Ralph J., doing business as Walker's Medical Arts Pharmacy, Newport News, Va. Mineral oil emulsion. Serial No. 484,285; Oct. 2. Class 6.
 Walker's Medical Arts Pharmacy: See—
 Walker, Ralph J.
 White Laboratories, Inc., Newark, N. J. Chemotherapeutic agent. Serial No. 482,824; Oct. 2. Class 6.
 White Laboratories, Inc., Newark, N. J. Preparation for increasing blood fat levels and altering sex characteristics in poultry and animals. Serial No. 484,511; Oct. 2. Class 6.
 Williamsburg Publishing Co., Inc., New York, N. Y. Greeting cards. Serial No. 482,406; Oct. 2. Class 38.
 Witco Chemical Company, Chicago, Ill. Gas carbon black. Serial No. 480,263; Oct. 2. Class 1.
 Witco Chemical Company, Chicago, Ill. Gas carbon black. Serial No. 480,265; Oct. 2. Class 1.
 Woodworth, N. A., Company, Ferndale, Mich. Ferrous metal alloy. Serial No. 484,069; Oct. 2. Class 14.
 Zell Bros., Portland, Oreg. Sterling silver knives, forks, spoons, etc. Serial No. 482,862; Oct. 2. Class 28.
 Zuckerman, Samuel E., New York, N. Y. Women's coats, suits, and dresses. Serial No. 485,520; Oct. 2. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Chemotherapeutic agents. 416,885; Oct. 2; Serial No. 481,973; published July 24, 1945. Class 6.
 Accomplish Cosmetic Co.: See—
 Deutsch, Maude S.
 Adams & Westlake Company, The: See—
 Curtin Supply Company, The.
 Albemarle Grocery Co., Inc., to Albemarle-Michie Company, Inc., Charlottesville, Va. Table sirup, rice, rolled oats, etc. 203,962; renewed Sept. 29, 1945. O. G. Oct. 2. Class 46.
 Albemarle-Michie Company, Inc.: See—
 Albemarle Grocery Co., Inc.
 Alco Oil and Chemical Corp., Philadelphia, Pa. Water-soluble urea formaldehyde compound. 416,817; Oct. 2; Serial No. 470,286; published Apr. 10, 1945. Class 1.
 American Character Doll Company, New York, N. Y. Dolls. 416,926; Oct. 2; Serial No. 484,224; published July 24, 1945. Class 22.
 American Chicle Company: See—
 American Chicle Co.
 American Chicle Co., New York, to American Chicle Company, Long Island City, N. Y. Chewing-gum. 48,239; re-renewed Dec. 19, 1945. O. G. Oct. 2. Class 46.
 American Cyanamid & Chemical Corporation, New York, N. Y. Synthetic resins. 416,849; Oct. 2; Serial No. 479,409; published July 17, 1945. Class 6.
 American Hair & Felt Company: See—
 Keystone Hair Insulator Company.
 American Leather Novelty Corporation, Jersey City, N. J. Wallets, key cases, purses, etc. 416,846; Oct. 2; Serial No. 478,842; published Apr. 10, 1945. Class 3.
 American Preserve Co., The, Philadelphia, Pa. Jellies and fruit preserves. 207,217; renewed Dec. 22, 1945. O. G. Oct. 2. Class 46.
 American Products Company, The, to The American Products Company, Cincinnati, Ohio. Furniture polish. 206,030; renewed Nov. 24, 1945. O. G. Oct. 2. Class 16.
 American Safety Razor Corporation, Brooklyn, N. Y. Safety razors. 204,042; renewed Oct. 6, 1945. O. G. Oct. 2. Class 23.
 American Stove Company, St. Louis, Mo. Publication issued monthly. 202,858; renewed Sept. 8, 1945. O. G. Oct. 2. Class 38.
 Angelus Laboratories: See—
 Brunswick Drug Company.
 Apl Ltd., New York, N. Y. Dolls. 416,905; Oct. 2; Serial No. 482,306; published July 24, 1945. Class 22.
 Arden, Elizabeth: See—
 Lewis, Florence N.
 Arden, Elizabeth, Sales Corporation: See—
 Lewis, Florence N.
 Arms, Leland J., San Francisco, Calif. Phonograph records. 416,835-6; Oct. 2; Serial Nos. 477,541-2; published July 24, 1945. Class 36.
 Aschenbach & Miller, to Aschenbach & Miller, Inc., Philadelphia, Pa. Bird-food. 48,068; re-renewed Dec. 5, 1945. O. G. Oct. 2. Class 46.
 Aschenbach & Miller, Inc.: See—
 Aschenbach & Miller.
 Associated Knitted Outerwear Mills, Inc., New York, N. Y. Men's, boys' and children's underwear and knitted outerwear. 416,872; Oct. 2; Serial No. 481,454; published July 17, 1945. Class 39.
 Associated Motor Cycles Limited: See—
 Stevens, A. J., and Company (1914) Limited.

Axelson Manufacturing Company, Los Angeles, Calif. Oil well pumps, pump valves, pump fittings, etc. 416,938; Oct. 2. Class 23.
 Babbitt, B. T., New York, to B. T. Babbitt, Inc., Albany and New York, N. Y. Lye and other pipe solvents. 206,765; renewed Dec. 8, 1945. O. G. Oct. 2. Class 6.
 Babbitt, B. T., Inc.: See—
 Babbitt, B. T.
 Barnes Tool Company, The, New Haven, Conn. Cutters for metal pipes. 47,914; re-renewed Nov. 28, 1945. O. G. Oct. 2. Class 23.
 Bates, A. J., Company, to Bates Shoe Company, Webster, Mass. Shoes and slippers. 205,460; renewed Nov. 10, 1945. O. G. Oct. 2. Class 39.
 Bates Shoe Company: See—
 Bates, A. J., Company.
 Baumbach, J., Escalon, Calif. Fresh fruits. 416,807; Oct. 2; Serial No. 463,862; published July 24, 1945. Class 46.
 Beaver Products Company, Inc., The, Buffalo, N. Y., to Certain-teed Products Corporation, Chicago, Ill. Wall-board and building paper. 201,688; renewed Aug. 4, 1945. O. G. Oct. 2. Class 12.
 Bell Company, Incorporated, Chicago, Ill. Chemical rust remover and rust preventive. 416,855; Oct. 2; Serial No. 480,041; published July 17, 1945. Class 6.
 Bemis Bro. Bag Company, St. Louis, Mo. Bags and sacks made of textile materials. 416,879; Oct. 2; Serial No. 481,770; published July 24, 1945. Class 2.
 Benvenuto, Sociedad Anonima Comercial E Industrial, Buenos Aires, Argentina. Preserved fish. 416,806; Oct. 2; Serial No. 463,375; published July 24, 1945. Class 46.
 Brown and Timmermann Company, Davenport, Iowa. Power spraying equipment. 416,930; Oct. 2. Class 23.
 Brown, Edward A., Newton Highlands, Mass. Chemical compounds, preparations and powders for use in producing varying colors in burning fuel. 416,829; Oct. 2; Serial No. 478,496; published July 24, 1945. Class 6.
 Bruning, Charles, Company, Inc., New York, N. Y. Photographic materials. 416,805; Oct. 2; Serial No. 460,209; published July 24, 1945. Class 26.
 Brunswick Drug Company, doing business as Angelus Laboratories, Los Angeles, Calif. Toilet lanolin. 416,858; Oct. 2; Serial No. 480,403; published July 24, 1945. Class 6.
 B & P Laboratories, Chicago, Ill. Hair pomade. 416,848; Oct. 2; Serial No. 479,105; published July 17, 1945. Class 6.
 B. V. D. Corporation, The: See—
 Regatta Manufacturing Co. Inc.
 Buckley, W. K., Inc.: See—
 Buckley, W. K. Limited.
 Buckley, W. K. Limited, Toronto, Ontario, Canada, to W. K. Buckley, Inc., Rochester, N. Y. Remedies for asthma, hay fever, catarrh, etc. 203,165; renewed Sept. 15, 1945. O. G. Oct. 2. Class 6.
 Buckley, W. K. Limited, Toronto, Ontario, Canada, to W. K. Buckley, Inc., Rochester, N. Y. Remedies for bronchitis, flu, la grippe, etc. and other medicinal preparations. 204,259; renewed Oct. 13, 1945. O. G. Oct. 2. Class 6.
 Buffalo Scale Co., to Buffalo Scale Company, Incorporated, Buffalo, N. Y. Weighing or measuring scales. 27,464; re-renewed Dec. 10, 1945. O. G. Oct. 2. Class 26.
 Buffalo Scale Company, Incorporated: See—
 Buffalo Scale Co.

Bundy Tubing Company, Detroit, Mich. Metal tubing. 207,185; renewed Dec. 22, 1945. O. G. Oct. 2. Class 13.
 Bunte Brothers, Chicago, Ill. Candy. 207,209; renewed Dec. 22, 1945. O. G. Oct. 2. Class 46.
 Callaway Mills: See—
 Unity Cotton Mills.
 Capital Bakers Inc., Harrisburg, Pa. Bread, rolls, and cake. 416,863; Oct. 2; Serial No. 480,007; published July 24, 1945. Class 46.
 Carnegie, Hattie, Inc., New York, N. Y. Cream for the face. 416,833; Oct. 2; Serial No. 477,319; published July 17, 1945. Class 6.
 Castali Corporation, The, Youngstown, Ohio. Fishing bobbers. 416,917; Oct. 2; Serial No. 482,832; published July 17, 1945. Class 22.
 Ceda Distributing Co., Rochester, N. Y. Perfume, toilet water, dusting powder, etc. 416,832; Oct. 2; Serial No. 477,247; published July 24, 1945. Class 6.
 Certain-teed Products Corporation: See—
 Beaver Products Company, Inc., The.
 Certified Gauge & Instrument Corp., Long Island City, N. Y. Tubing made from bronze, steel, brass, etc. 416,891; Oct. 2; Serial No. 482,091; published July 24, 1945. Class 13.
 Champagne Paper Corporation, Plagah Forest, N. C. Cigarette paper booklets. 416,864; Oct. 2; Serial No. 480,977; published July 24, 1945. Class 8.
 Charbaut, Charles J. E., Paris, France. Perfumes, toilet waters, rouge, etc. 416,888; Oct. 2; Serial No. 482,044; published July 24, 1945. Class 6.
 Charlton House, Inc., New York, N. Y. Cream intended to be used on the skin surfaces. 416,889; Oct. 2; Serial No. 482,045; published July 17, 1945. Class 6.
 Churchill and Alden Co., Campello, to Doyle Shoe Company, Inc., Brockton, Mass. Leather boots and shoes. 47,712; re-renewed Nov. 14, 1945. O. G. Oct. 2. Class 39.
 Cincinnati Planer Company, The, Oakley, Cincinnati, Ohio, to The Cincinnati Planer Company, Cincinnati, Ohio. Metal planers. 201,864; renewed Aug. 11, 1945. O. G. Oct. 2. Class 23.
 Cisco, Inc., New York, N. Y. Ladies' and gentlemen's mufflers, scarfs, and vests. 201,319; renewed July 21, 1945. O. G. Oct. 2. Class 39.
 Clapp, Otos & Son, Inc., Boston, Mass. Preparation for hyperacidity, indigestion, and flatulence. 206,726; renewed Dec. 8, 1945. O. G. Oct. 2. Class 6.
 Cleveland Laboratories & Manufacturing Company, Inc., Peapack, N. J. Transparent film of vinyl resin. 416,929; Oct. 2. Class 1.
 Cluett, Peabody & Co., Inc., Troy, N. Y. Dress and negligee shirts. 207,247; renewed Dec. 22, 1945. O. G. Oct. 2. Class 39.
 Columbus Plastic Products Inc., Columbus, Ohio. Bath room and lavatory fixtures and accessories. 416,862; Oct. 2; Serial No. 480,889; published July 17, 1945. Class 13.
 Comfy Manufacturing Company, The, Baltimore, Md. Textile slip covers. 416,908; Oct. 2; Serial No. 482,521; published July 24, 1945. Class 32.
 Commando Packing Company, North Bend, Oreg. Canned fish. 416,890; Oct. 2; Serial No. 482,047; published July 24, 1945. Class 46.
 Confections of California: See—
 Karmen, B. H.
 Consumers Company to Consumers Company, Chicago, Ill. Coal, coke, ice, and building materials. 200,772; renewed July 7, 1945. O. G. Oct. 2. Class 1.
 Continental Can Company, Inc., New York, N. Y. Metal cans. 416,922; Oct. 2; Serial No. 483,762; published July 24, 1945. Class 2.
 Coraltex, Inc., Los Angeles, Calif. Wall and ceiling board. 416,820-1; Oct. 2; Serial Nos. 474,153-4; published July 17, 1945. Class 12.
 Corn Products Refining Company, New York, N. Y. Corn starch for food purposes. 416,910; Oct. 2; Serial No. 482,615; published July 24, 1945. Class 46.
 Cornell Iron Works, Incorporated, Long Island City, N. Y. Overhead doors. 416,906; Oct. 2; Serial No. 482,311; published July 24, 1945. Class 12.
 Cortland Welding Compound Company, Cortland, N. Y. Welding compounds. 45,477; re-renewed Aug. 22, 1945. O. G. Oct. 2. Class 6.
 Cudahy Brothers Company, Cudahy, Wis. Shoulders, backs, hams, etc. 48,274; re-renewed Dec. 19, 1945. O. G. Oct. 2. Class 46.
 Curtin Supply Company, The, Chicago, Ill., and Elkhart, Ind., to The Adams & Westlake Company, Chicago, Ill. Railway-car diaphragms. 203,918; renewed Sept. 29, 1945. O. G. Oct. 2. Class 19.
 Curtin Supply Company, The, Chicago, Ill., and Elkhart, Ind., to The Adams & Westlake Company, Chicago, Ill. Curtain closures. 203,919; renewed Sept. 29, 1945. O. G. Oct. 2. Class 19.
 Curtin Supply Company, The, Chicago, Ill., and Elkhart, Ind., to The Adams & Westlake Company, Chicago, Ill. Window shades. 203,920; renewed Sept. 29, 1945. O. G. Oct. 2. Class 32.
 Curtin Supply Company, The, to The Adams & Westlake Company, Chicago, Ill. Metal sash. 204,405; renewed Oct. 20, 1945. O. G. Oct. 2. Class 12.

Darby, Harry, Manufacturer: See—
 Darby, Harry.
 Darby, Harry, doing business as Harry Darby, Manufacturer, Kansas City, Kans. Fire doors for buildings, boiler stacks, smoke funnels, etc. 416,808; Oct. 2; Serial No. 464,018; published July 24, 1945. Class 12.
 Darling, L. A., Company, Bronson, Mich. Merchandise display forms. 416,911; Oct. 2; Serial No. 482,618; published July 17, 1945. Class 50.
 Davega-City Radio, Inc.: See—
 Krupp, Haymon, & Co.
 Dawnwood Farms: See—
 Long, Dorothy A.
 De Sanno, Albert P., Jr., Phoenixville, Pa. Cracker. 416,809; Oct. 2; Serial No. 465,623; published July 24, 1945. Class 46.
 Deutsch, Maude S., doing business as Accomplish Cosmetics Co., New York, N. Y. Face and body creams. 416,854; Oct. 2; Serial No. 480,013; published July 24, 1945. Class 6.
 Distillation Products, Inc., Rochester, N. Y. Chemical oil obtained by vacuum distillation of fish oils. 416,826; Oct. 2; Serial No. 475,751; published July 17, 1945. Class 6.
 Doyle Shoe Company, Inc.: See—
 Churchill and Alden Co.
 Dublin, R. V., Company, The, Jacksonville and Laredo, Tex. Fresh fruits and fresh vegetables. 416,893; Oct. 2; Serial No. 482,137; published July 24, 1945. Class 46.
 Dunhill, Mary, Inc., New York, N. Y. Perfume. 416,810; Oct. 2; Serial No. 464,603; published July 10, 1945. Class 6.
 Duo Laboratories, Inc., Highland Park, to Johnson & Johnson, New Brunswick, N. J. Liquid adhesive. 201,445; renewed July 28, 1945. O. G. Oct. 2. Class 5.
 Electric Steel Foundry, Portland, Oreg. Plug valves. 416,870; Oct. 2; Serial No. 481,403; published July 24, 1945. Class 13.
 Eversharp, Inc., Chicago, Ill. Fountain pens and mechanical pencils. 416,915; Oct. 2; Serial No. 482,793; published July 24, 1945. Class 37.
 Eversharp, Inc., Chicago, Ill. Fountain pens and mechanical pencils. 416,916; Oct. 2; Serial No. 482,795; published July 24, 1945. Class 37.
 Everson, F. E.: See—
 Everson, Franklin E.
 Everson, Franklin E., doing business as F. E. Everson, New York, N. Y. Water softener. 416,850; Oct. 2; Serial No. 479,788; published July 24, 1945. Class 6.
 Fashion Park, Inc., Rochester, N. Y. Coats, vests, pants, and overcoats for men and boys. 416,894; Oct. 2; Serial No. 482,138; published July 17, 1945. Class 39.
 Fashion Park, Inc., Rochester, N. Y. Men's sack coats and men's overcoats. 416,895; Oct. 2; Serial No. 482,145; published July 17, 1945. Class 39.
 Fashion Park, Inc., Rochester, N. Y. Men's coats, vests, pants and overcoats. 416,896; Oct. 2; Serial No. 482,151; published July 17, 1945. Class 39.
 Fashion Park, Inc., Rochester, N. Y. Men's and boys' coats, pants, vests and overcoats. 416,897; Oct. 2; Serial No. 482,153; published July 17, 1945. Class 39.
 Fashion Park, Inc., Rochester, N. Y. Overcoats for men and boys. 416,901; Oct. 2; Serial No. 482,242; published July 17, 1945. Class 39.
 Fashion Park, Inc., Rochester, N. Y. Coats, vests, pants and overcoats for men and boys, etc. 416,902; Oct. 2; Serial No. 482,245; published July 17, 1945. Class 39.
 Fashion Park, Inc., Rochester, N. Y. Coats, pants, vests, etc. 416,936; Oct. 2. Class 39.
 Febre Perfumers, New York, N. Y. Perfume. 416,898; Oct. 2; Serial No. 482,154; published July 24, 1945. Class 6.
 Federal Electric Company, Inc., Chicago, Ill. Non-electrical advertising display signs. 416,839; Oct. 2; Serial No. 477,926; published July 17, 1945. Class 50.
 Federal Electric Company, Inc., Chicago, Ill. Plastic pipe and tubing. 416,840; Oct. 2; Serial No. 477,927; published July 17, 1945. Class 13.
 Fellows Medical Manufacturing Company, Inc., New York, N. Y. Sedative elixir. 416,830; Oct. 2; Serial No. 476,500; published July 24, 1945. Class 6.
 Firestone Industrial Products Company: See—
 Firestone Tire & Rubber Company, The.
 Firestone Tire & Rubber Company, The, doing business as Firestone Industrial Products Company, Akron, Ohio. Artificial leather. 416,859-60; Oct. 2; Serial No. 480,750-1; published July 17, 1945. Class 50.
 Flexicore Company, Inc., The, New York, N. Y. Reinforced concrete beams. 416,857; Oct. 2; Serial No. 480,318; published July 17, 1945. Class 12.
 Flex-O-Glass Manufacturing Co.: See—
 Warp, Harold.
 Foothill Groves, to The Yorba Linda Citrus Association, Yorba Linda, Calif. Fresh citrus fruits. 207,162; renewed Dec. 22, 1945. O. G. Oct. 2. Class 46.
 Frank & Sadev, New York, N. Y. Table mats. 416,816; Oct. 2; Serial No. 470,183; published July 24, 1945. Class 50.
 Friedman-Lobel, Inc., New York, N. Y. Ladies' handbags. 416,882; Oct. 2; Serial No. 481,893; published July 24, 1945. Class 3.

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Friedmans' Jewelers, Inc., Savannah, Ga. Articles made of precious and semi-precious metal. 416,934; Oct. 2. Class 28.

Gardner Machine Company, South Beloit, Ill. Abrasive elements. 416,851; Oct. 2; Serial No. 479,844; published July 17, 1945. Class 4.

Gendron Wheel Co., to The Hettrick Manufacturing Company, Toledo, Ohio. Children's hand-and-foot propelled vehicles. 47,894; re-renewed Nov. 28, 1945. O. G. Oct. 2. Class 22.

General Mills, Inc.: See—
Washburn-Crosby Company.

General Petroleum Corporation, to General Petroleum Corporation of California, Los Angeles, Calif. Oils and greases having a mineral base. 204,005; renewed Oct. 6, 1945. O. G. Oct. 2. Class 15.

General Petroleum Corporation of California: See—
General Petroleum Corporation.

Globe Sporting Goods Manufacturing Company, Boston, Mass. Sporting goods and athletic equipment. 416,861; Oct. 2; Serial No. 480,863; published July 24, 1945. Class 22.

Goldman, Morris, San Francisco, Calif. Ladies' and misses' cloaks, suits, and dresses. 206,322; renewed Nov. 24, 1945. O. G. Oct. 2. Class 39.

Goodyear Rubber Sundries, Inc., New Haven, Conn. Baby pants. 416,869; Oct. 2; Serial No. 481,370; published July 17, 1945. Class 39.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Inner tubes for pneumatic vehicle tires and tubes. 201,718; renewed Aug. 4, 1945. O. G. Oct. 2. Class 35.

Gordon, Leonard, doing business as Grocers Packing Company, Los Angeles, Calif. Natural coconut. 416,933; Oct. 2. Class 46.

Green & Green, Houston, Tex. Nonalcoholic, maltless beverages and sirups for making the same. 207,205; renewed Dec. 22, 1945. O. G. Oct. 2. Class 45.

Grocers Packing Company: See—
Gordon, Leonard.

Gunther Hosiery Co., Inc., Hornell, N. Y. Women's hosiery. 416,932; Oct. 2. Class 39.

Harman Watch Company, New York, N. Y. Horological instruments. 416,939; Oct. 2. Class 27.

Harrison Den Co.: See—
Korab, Frank H.

Hazan Bros., New York, N. Y. Women's and misses' outer skirts, jumpers, dresses, etc. 416,937; Oct. 2. Class 39.

Hedman Company, The: See—
Hedman Manufacturing Company.

Hedman Manufacturing Company, to The Hedman Company, Chicago, Ill. Semimonthly periodical. 201,105; renewed July 21, 1945. O. G. Oct. 2. Class 38.

Heffield, Stephen A., Sr., doing business as Steve Heffield & Co., Orlando, Fla. Fresh citrus fruits. 416,918; Oct. 2; Serial No. 483,020; published July 24, 1945. Class 46.

Heffield, Steve, & Co.: See—
Heffield, Stephen A., Sr.

Hettrick Manufacturing Company, The: See—
Gendron Wheel Co.

Heye-Melas, San Antonio, Tex. Bridle bits, riding spurs, saddle dees, etc. 416,873; Oct. 2; Serial No. 481,476; published July 24, 1945. Class 3.

High Point Overall Company, High Point, N. C. Overalls, pants, and work shirts. 205,320; renewed Nov. 24, 1945. O. G. Oct. 2. Class 39.

Hoffmann-La Roche, Inc., Nutley, N. J. Bacterial anti-septic and germicide. 416,907; Oct. 2; Serial No. 482,489; published July 24, 1945. Class 6.

Howell Company, Inc., The, New Orleans, La. Flavoring extracts for foods. 207,239; renewed Dec. 22, 1945. O. G. Oct. 2. Class 46.

I. C. I. (Plastics) Limited, Slough, England. Artificial teeth, artificial parts of teeth, synthetic resins. 416,819; Oct. 2; Serial No. 473,506; published July 24, 1945. Class 44.

Ideal Cocoa & Chocolate Co., Littitz, Pa., and New York, N. Y., to Wilbur-Suchard Chocolate Company, Inc., Littitz, Pa. Chocolate. 207,218; renewed Dec. 22, 1945. O. G. Oct. 2. Class 46.

International Company, The, to The C. M. Pitt & Sons Company, Baltimore, Md. Nonalcoholic, maltless fruit juices, extracts, and sirups for making soft drinks. 207,175; renewed Dec. 22, 1945. O. G. Oct. 2. Class 45.

International Harvester Company, Chicago, Ill. Twine. 416,822-3; Oct. 2; Serial Nos. 474,898-9; published July 24, 1945. Class 7.

International Harvester Company, Chicago, Ill. Milk coolers, condensing units, water coolers, etc. 416,824-5; Oct. 2; Serials Nos. 474,906-7; published July 24, 1945. Class 31.

Israel, Leon, & Bros. Inc., New York, N. Y. Green coffee. 200,907; renewed July 14, 1945. O. G. Oct. 2. Class 46.

Israel, Leon, & Bros. Inc., New York, N. Y. Green coffee. 207,169; renewed Dec. 22, 1945. O. G. Oct. 2. Class 46.

Johnson & Johnson: See—
Duo Laboratories, Inc.

Karmen, B. H., doing business as Confections of California, Chatsworth, Calif. Candy. 416,867; Oct. 2; Serial No. 481,114; published July 24, 1945. Class 46.

Kaumagraph Company: See—
Kaumagraph Co.

Kaumagraph Co., New York, N. Y., to Kaumagraph Company, Wilmington, Del. Frocks. 202,994; renewed Sept. 8, 1945. O. G. Oct. 2. Class 39.

Kaumagraph Co., New York, N. Y., to Kaumagraph Company, Wilmington, Del. Transfers comprising a paper base. 205,736; renewed Nov. 17, 1945. O. G. Oct. 2. Class 40.

Kellogg Company: See—
Kellogg Toasted Corn Flake Co., assignor.

Kellogg Toasted Corn Flake Co., assignor, by meane assignments, to Kellogg Company, Battle Creek, Mich. Castor oil. 206,720; renewed Dec. 8, 1945. O. G. Oct. 2. Class 6.

Keystone Hair Insulator Company, Allegheny, Pa., to American Hair & Felt Company, Chicago, Ill. Linings of insulating material. 48,212; re-renewed Dec. 19, 1945. O. G. Oct. 2. Class 12.

Kilmer & Co., Incorporated: See—
Kilmer, Dr., & Co.

Kilmer, Dr., & Co., Binghamton, N. Y., to Kilmer & Co., Incorporated, Stamford, Conn. Preparation for the treatment of diseases peculiar to women. 206,895; renewed Dec. 8, 1945. O. G. Oct. 2. Class 6.

King, Charles L., New York, N. Y. Billfolds, purses, handbags, etc. 416,924-5; Oct. 2; Serial Nos. 484,052-3; published July 24, 1945. Class 3.

Kono Manufacturing Company, The, Woodside, Long Island, N. Y. Sun glasses and parts therefor. 416,919; Oct. 2; Serial No. 483,023; published July 24, 1945. Class 26.

Korab, Frank H., doing business as Harrison Den Co., Kansas City, Kans. Pocket piece in the form of a cross. 416,874; Oct. 2; Serial No. 481,479; published July 17, 1945. Class 50.

Krupp, Haymon, & Co., El Paso, Tex., to Davega-City Radio, Inc., New York, N. Y. Work clothing and out-of-door clothing. 207,242; renewed Dec. 22, 1945. O. G. Oct. 2. Class 39.

Lamont, Corliss & Company: See—
Runkel Brothers, Inc.

Lederle Laboratories, Inc., New York, N. Y. Penicillin for human use. 416,899; Oct. 2; Serial No. 482,205; published July 24, 1945. Class 6.

Lederle Laboratories, Inc., New York, N. Y. Penicillin for use in veterinary medicine. 416,900; Oct. 2; Serial No. 482,206; published July 24, 1945. Class 6.

Lever Brothers Company, Cambridge, Mass. Products made of glycerin. 206,653; renewed Dec. 8, 1945. O. G. Oct. 2. Class 6.

Lewis, Florence N., doing business as Elizabeth Arden, to Elizabeth Arden Sales Corporation, New York, N. Y. Astringent. 205,534; renewed Nov. 10, 1945. O. G. Oct. 2. Class 6.

Lewis, Florence N., doing business as Elizabeth Arden, to Elizabeth Arden Sales Corporation, New York, N. Y. Liquid and cream rouge. 205,535; renewed Nov. 10, 1945. O. G. Oct. 2. Class 6.

Lewis, Florence N., doing business as Elizabeth Arden, to Elizabeth Arden Sales Corporation, New York, N. Y. Astringent. 205,537; renewed Nov. 10, 1945. O. G. Oct. 2. Class 6.

Lewis, Florence N., doing business as Elizabeth Arden, to Elizabeth Arden Sales Corporation, New York, N. Y. Toilet lotions, face and skin creams, perfumes, etc. 205,732; renewed Nov. 17, 1945. O. G. Oct. 2. Class 6.

Lewis, Florence N., doing business as Elizabeth Arden, to Elizabeth Arden Sales Corporation, New York, N. Y. Skin cleansing cream. 205,788; renewed Nov. 17, 1945. O. G. Oct. 2. Class 6.

Lewis, Florence N., doing business as Elizabeth Arden, to Elizabeth Arden Sales Corporation, New York, N. Y. Eyebrow shaper. 205,858; renewed Nov. 17, 1945. O. G. Oct. 2. Class 6.

Lewis, Florence N., doing business as Elizabeth Arden, to Elizabeth Arden Sales Corporation, New York, N. Y. Eye lotion. 205,859; renewed Nov. 17, 1945. O. G. Oct. 2. Class 6.

Lewis, Florence N., doing business as Elizabeth Arden, to Elizabeth Arden Sales Corporation, New York, N. Y. Skin lotion. 205,860; renewed Nov. 17, 1945. O. G. Oct. 2. Class 6.

Liberty Orchards Company, Cashmere, Wash. Candy. 199,207; renewed June 2, 1945. O. G. Oct. 2. Class 46.

Long, Dorothy A., doing business as Dawnwood Farms, Amenia, N. Y. Fluid milk. 416,903; Oct. 2; Serial No. 482,250; published July 24, 1945. Class 46.

Loughorn, M. D., Los Angeles, Calif. Canned fish. 416,844; Oct. 2; Serial No. 478,635; published July 24, 1945. Class 46.

Lunde, Alfred, doing business as Lunde Trayna Company, Seattle, Wash. Conditioned reflex device for teaching bladder control. 416,884; Oct. 2; Serial No. 481,951; published July 24, 1945. Class 44.

Madson, Regnar, Company: See—
Madson, Regnar E.

Madson, Regnar E., doing business as Regnar Madson Company, Chicago, Ill. Cosmetic or powder puff. 416,880; Oct. 2; Serial No. 481,795; published July 24, 1945. Class 29.

Marsh, Jordan, Company, Boston, Mass. Sheets and pillowcases. 205,273; renewed Nov. 3, 1945. O. G. Oct. 2. Class 42.

LIST OF REGISTRANTS OF TRADE-MARKS

Mason, Allen G., and Plerson B. Waller, Morganfield, Ky. Chemical preparation for removing rust, scale, etc. 416,842; Oct. 2; Serial No. 478,463; published July 17, 1945. Class 6.

Mayville Canning Company, Mayville, Wis. Canned peas. 416,838; Oct. 2; Serial No. 477,809; published July 24, 1945. Class 46.

Mergenthaler Linotype Company, Brooklyn, N. Y. Matrices. 416,881; Oct. 2; Serial No. 481,852; published July 17, 1945. Class 50.

Merrill, Wm. S. Company, The, Cincinnati, Ohio. Preparation in tablet form for treating estrogenic deficiency. 416,876; Oct. 2; Serial No. 481,548; published July 17, 1945. Class 6.

Moran, Ralph V., doing business as Vic Moran, Bradford, Pa. Toy coin bank. 416,913; Oct. 2; Serial No. 482,694; published July 24, 1945. Class 22.

Moran, Vic.: See—
Moran, Ralph V.

McAdoo & Allen Weltling Company: See—
Peabody Leather Company, Inc.

McHenry Millhouse Mfg. Co., Inc., South Bend, Ind., to United States Gypsum Company, Chicago, Ill. Asphalt roofing shingles. 206,786; renewed Dec. 8, 1945. O. G. Oct. 2. Class 12.

Mississippi Valley Last Company, St. Louis, Mo. Shoe trees. 416,804; Oct. 2; Serial No. 459,124; published July 24, 1945. Class 50.

Mitchell Mfg. Co., Chicago, Ill. Electric fluorescent lighting units. 416,927; Oct. 2. Class 21.

New York Consolidated Card Company, The, New York, N. Y., to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing-cards. 48,170; re-renewed Dec. 12, 1945. O. G. Oct. 2. Class 22.

New Yorker Staats Zeitung, to Staats-Herold Corporation, New York, N. Y. Sunday newspaper. 44,484; re-renewed July 11, 1945. O. G. Oct. 2. Class 38.

Nu-Enamel Corporation, Chicago, Ill. Paint enamel. 416,931; Oct. 2. Class 16.

Ohio Chemical & Mfg. Co., The, Cleveland, Ohio. Explosion-proof lighting fixtures. 416,841; Oct. 2; Serial No. 478,186; published July 24, 1945. Class 44.

Olin Industries, Inc.: See—
Winchester Repeating Arms Co.

Orling Brothers of Detroit, Mich., Detroit, Mich. Sausage, hams, and bacon. 204,542; renewed Oct. 20, 1945. O. G. Oct. 2. Class 46.

Parfait, Incorporated: See—
Parfait Powder Puff Co., Inc.

Parfait Powder Puff Co., Inc., Chicago, Ill., now by change of name to Parfait, Incorporated. Powder puffs. 416,928; Oct. 2. Class 29.

Parfums De Renel, Inc., doing business as Renel, Mt. Vernon, N. Y. Perfume and toilet water. 416,878; Oct. 2; Serial No. 481,646; published July 17, 1945. Class 6.

Parke, Davis & Company, Detroit, and Joseph Campau at the River, Mich. Bile and vitamin combination. 416,827; Oct. 2; Serial No. 475,810; published July 24, 1945. Class 6.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Game. 416,865; Oct. 2; Serial No. 481,005; published July 24, 1945. Class 22.

Paterson, R. & Sons Limited, Glasgow, Scotland. Coffee essence with chicory. 195,502-3; renewed Feb. 24, 1945. O. G. Oct. 2. Class 46.

Peabody Leather Company, Inc., to McAdoo & Allen Weltling Company, Quakertown, Pa. Leathers. 201,715; renewed Aug. 4, 1945. O. G. Oct. 2. Class 1.

Peet, E. M., Manufacturing Company, Council Bluffs, Iowa, Indianapolis, Ind., and Oakland, Calif. Preparation for elimination of worms in livestock; insecticide, etc. 416,813; Oct. 2; Serial No. 468,814; published July 17, 1945. Class 6.

Pfeiffer Chemical Company, New York, N. Y. Medicinal preparation. 416,886; Oct. 2; Serial No. 482,010; published July 24, 1945. Class 6.

Phileo Corporation, Philadelphia, Pa. Window sash seal gaskets and fibre board and air conditioning sound absorbing materials. 416,845; Oct. 2; Serial No. 478,825; published July 17, 1945. Class 12.

Phillips Petroleum Company, Bartlesville, Okla. Insecticide. 416,814; Oct. 2; Serial No. 469,309; published July 24, 1945. Class 6.

Pipe Couplings, Inc., New York, N. Y. Gaskets composed of rubber, synthetic rubber, etc. 416,892; Oct. 2; Serial No. 482,113; published July 24, 1945. Class 35.

Pitt, C. M., & Sons Company, The: See—
International Company, The.

Plastolith Company, The, Boston, Mass. Offset printing plates. 416,811; Oct. 2; Serial No. 467,536; published July 24, 1945. Class 50.

Pollak, Inc., New York, N. Y. Platts formed of straw and other fibrous materials. 207,192; renewed Dec. 22, 1945. O. G. Oct. 2. Class 40.

Proportioners, Inc., Providence, R. I. Proportioning meters and test kits. 416,912; Oct. 2; Serial No. 482,643; published July 24, 1945. Class 26.

Purox Company, Denver, Colo., to Union Carbide and Carbon Corporation, New York, N. Y. Liquid oxygen and oxygen manufactured by the liquefaction process. 206,713; renewed Dec. 8, 1945. O. G. Oct. 2. Class 6.

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Purox Company, Denver, Colo., to Union Carbide and Carbon Corporation, New York, N. Y. Liquid-oxygen-containers. 206,754; renewed Dec. 8, 1945. O. G. Oct. 2. Class 2.

Purox Company, Denver, Colo., to Union Carbide and Carbon Corporation, New York, N. Y. Hose for use with welding and cutting equipment. 206,896; renewed Dec. 15, 1945. O. G. Oct. 2. Class 35.

Purox Company, Denver, Colo., to Union Carbide and Carbon Corporation, New York, N. Y. Cartridges for use with liquid oxygen. 207,039; renewed Dec. 15, 1945. O. G. Oct. 2. Class 9.

Purox Company, Denver, Colo., to Union Carbide and Carbon Corporation, New York, N. Y. Welding rods. 207,138; renewed Dec. 22, 1945. O. G. Oct. 2. Class 14.

Quaker Lace Company, Philadelphia, Pa. Lace curtains, nets, and curtain lace in piece goods. 202,533; renewed Aug. 25, 1945. O. G. Oct. 2. Class 42.

Ravel Perfumes Inc., New York, N. Y. Perfumes. 416,887; Oct. 2; Serial No. 482,013; published July 24, 1945. Class 6.

Regatta Manufacturing Co. Inc., to The B. V. D. Corporation, Baltimore, Md. Athletic underwear of textile material. 203,267; renewed Sept. 15, 1945. O. G. Oct. 2. Class 39.

Reid, Murdoch & Co., Chicago, Ill. Canned fruits, berries, succotash, etc. 206,555; renewed Dec. 8, 1945. O. G. Oct. 2. Class 46.

Reiss-Premier Corporation, The, West New York, N. J. Smokers' pipes, cigar and cigarette holders. 416,935; Oct. 2. Class 8.

Relaco Manufacturing Co.: See—
Stern, Siegfried.

Remington Rand Inc., Buffalo, N. Y. Talcum powder, particularly talcum powder in stick form. 416,818; Oct. 2; Serial No. 472,710; published July 17, 1945. Class 6.

Renel: See—
Parfums De Renel, Inc.

Rich, Ivor, New York, N. Y. Talcum powder. 416,847; Oct. 2; Serial No. 478,904; published July 24, 1945. Class 6.

Robinson, Wm. C. & Son Company, Baltimore, Md. Lubricating grease. 204,742; renewed Oct. 27, 1945. O. G. Oct. 2. Class 15.

Rockland Dental Co., Inc., Sparkill, N. Y. Paste made from methyl methacrylate powder and liquid. 416,834; Oct. 2; Serial No. 477,530; published Mar. 20, 1945. Class 44.

Rodman, S., Sons, New York, N. Y. Watches and watch movements. 416,914; Oct. 2; Serial No. 482,702; published July 24, 1945. Class 27.

Romort Manufacturing Company, Oakfield, Wis. Water valves, air valves, automatic air valves, etc. 203,828; renewed Sept. 29, 1945. O. G. Oct. 2. Class 13.

Runkel Brothers, Inc., to Lamont, Corliss & Company, New York, N. Y. Chocolate. 202,497; renewed Aug. 25, 1945. O. G. Oct. 2. Class 46.

St. Louis Macaroni Mfg. Co., St. Louis, Mo. Egg noodles. 416,831; Oct. 2; Serial No. 476,534; published July 24, 1945. Class 46.

Schmid, Julius, Inc., New York, N. Y. Teething rings. 206,458; renewed Dec. 1, 1945. O. G. Oct. 2. Class 44.

Schneider Bros. Lumber Co., New York, N. Y. Lumber. 416,875; Oct. 2; Serial No. 481,493; published July 24, 1945. Class 12.

Schultz, Lightfoot, Co., New York, N. Y., and Hoboken, N. J. Shaving brushes. 416,812; Oct. 2; Serial No. 468,489; published July 24, 1945. Class 29.

Selby, Battersby & Co., Philadelphia, Pa. Anti-corrosive, irreversible emulsion of coal tar pitch. 416,921; Oct. 2; Serial No. 483,286; published July 17, 1945. Class 12.

Sheffield Farms Company, Inc., New York, N. Y. Enzymatic hydrolysate of milk protein in powder form. 416,877; Oct. 2; Serial No. 481,557; published July 17, 1945. Class 6.

Siegel, A. L., Co., Inc., New York, N. Y. Garment bags, blanket bags, lettuce bags, etc. 416,856; Oct. 2; Serial No. 480,196; published July 24, 1945. Class 2.

Skybrite Underwear Mills, New York, N. Y. Ladies' and children's underwear, slips, nightgowns, pajamas, etc. 416,868; Oct. 2; Serial No. 481,129; published July 17, 1945. Class 39.

Smith, Olive, Chicago, Ill. Perfume, lipstick, face powder, etc. 416,866; Oct. 2; Serial No. 481,085; published July 17, 1945. Class 6.

Socony-Vacuum Oil Company, Incorporated: See—
Vacuum Oil Company.

Spirella Company, The, Mendville, Pa., to The Spirella Company Incorporated, Niagara Falls, N. Y. Apparel stays. 47,689; re-renewed Nov. 14, 1945. O. G. Oct. 2. Class 40.

Spirella Company Incorporated, The: See—
Spirella Company, The.

Staats-Herold Corporation: See—
New Yorker Staats Zeitung.

Staminate Corporation, The, New Haven, Conn. Chemical preparation. 416,828; Oct. 2; Serial No. 476,035; published July 24, 1945. Class 6.

Stanco Incorporated, Wilmington, Del., and New York, N. Y. Solvent and a sulphate surface active agent. 416,852; Oct. 2; Serial No. 479,858; published July 17, 1945. Class 6.

Star-Maid Dresses, Inc., to Star-Maid Dresses, New York, N. Y. Dresses. 202,914; renewed Sept. 8, 1945. O. G. Oct. 2. Class 39.

Star-Maid Dresses: See—
Star-Maid Dresses, Inc.

Stein, Jacob, doing business as Winner Hat Manufacturing Company, to Winner Hat Mfg. Co. Inc., New York, N. Y. Ladies' hats. 189,177; renewed Sept. 16, 1944. O. G. Oct. 2. Class 39.

Stern, Siegfried, doing business as Relaco Manufacturing Co., New York, N. Y. Insecticides. 416,837; Oct. 2; Serial No. 477,673; published July 17, 1945. Class 6.

Stevens, A. J. and Company (1914) Limited, Wolverhampton, to Associated Motor Cycles Limited, Plumstead, England. Motor cycles. 204,228; renewed Oct. 13, 1945. O. G. Oct. 2. Class 19.

Stifel, J. L. & Sons, Inc., Wheeling, W. Va. Cotton piece goods. 207,026-7; renewed Dec. 15, 1945. O. G. Oct. 2. Class 42.

Tanous Chicle Co.: See—
Tanous, Joseph.

Tanous, Joseph, doing business as Tanous Chicle Co., Laredo, Tex. Chewing gum. 416,923; Oct. 2; Serial No. 483,941; published July 24, 1945. Class 46.

Tissue Company, The, Saugerties, N. Y. Embossed paper napkins. 416,815; Oct. 2; Serial No. 469,658; published July 24, 1945. Class 37.

Top-Notch Manufacturing Company, El Paso, Tex. Children's and infants' play garments. 416,863; Oct. 2; Serial No. 480,963; published July 17, 1945. Class 39.

Towle Manufacturing Company, Newburyport, Mass. Silver and silver mounted flatware, and silver and silver mounted hollow ware. 416,904; Oct. 2; Serial No. 482,264; published July 24, 1945. Class 28.

Lunde Trayna Company: See—
Lunde, Alfred.

Union Carbide and Carbon Corporation: See—
Purox Company.

Union Special Machine Company, Chicago, Ill. Sewing machines and parts thereof. 48,038; re-renewed Dec. 5, 1945. O. G. Oct. 2. Class 23.

United States Graphite Co., The, Saginaw, Mich. Lubricating graphite. 206,119; renewed Nov. 3, 1945. O. G. Oct. 2. Class 15.

United States Gypsum Company: See—
McHenry Millhouse Mfg. Co., Inc.

United States Playing Card Company, The: See—
New York Consolidated Card Company, The.

United States Time Corporation, The, Waterbury, Conn. Clocks and watches. 416,920; Oct. 2; Serial No. 483,162; published July 24, 1945. Class 27.

Unity Cotton Mills, to Callaway Mills, La Grange, Ga. Hose and belting duck. 200,025; renewed June 23, 1945. O. G. Oct. 2. Class 42.

Unity Cotton Mills, to Callaway Mills, La Grange, Ga. Cord fabrics, chafar fabrics, liner fabrics, etc. 200,034; renewed June 23, 1945. O. G. Oct. 2. Class 42.

Universal Fountain Pen and Pencil Co., New York, N. Y. Stylographic pens. 416,871; Oct. 2; Serial No. 481,447; published July 24, 1945. Class 37.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal, coke, ice, and building materials. Consumers Company. 200,772; renewed July 7, 1945. O. G. Oct. 2.

Film of vinyl resin, transparent. Cleveland Laboratories & Manufacturing Company, Inc. 416,929; Oct. 2.

Leathers. Peabody Leather Company, Inc. 201,715; renewed Aug. 4, 1945. O. G. Oct. 2.

Water-soluble urea formaldehyde compound. Alco Oil and Chemical Corp. 416,817; Oct. 2; Serial No. 470,286; published Apr. 10, 1945.

CLASS 2

Bags and sacks made of textile materials. Bemis Bro. Bag Company. 416,879; Oct. 2; Serial No. 481,770; published July 24, 1945.

Bags, blanket bags, lettuce bags, garment. A. L. Siegel Co., Inc. 416,856; Oct. 2; Serial No. 480,196; published July 24, 1945.

Cans, Metal. Continental Can Company, Inc. 416,922; Oct. 2; Serial No. 483,762; published July 24, 1945.

Containers, Liquid-oxygen. Purox Company. 206,754; renewed Dec. 8, 1945. O. G. Oct. 2.

CLASS 3

Billfolds, purses, handbags, etc. C. L. King. 416,924-5; Oct. 2; Serial Nos. 484,052-3; published July 24, 1945.

Vacuum Oil Company, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mixture of petroleum oils. 202,638; renewed Sept. 1, 1945. O. G. Oct. 2. Class 4.

Vacuum Oil Company, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Greases used in the manufacture of leather. 203,249; renewed Sept. 15, 1945. O. G. Oct. 2. Class 15.

Vacuum Oil Company, Incorporated: See—
Vacuum Oil Company.

Vanity Fair Mills, Inc.: See—
Vanity Fair Silk Mills.

Vanity Fair Silk Mills, to Vanity Fair Mills, Inc., Reading, Pa. Vells and silk goods in the piece. 207,048; renewed Dec. 15, 1945. O. G. Oct. 2. Class 42.

Van Pelt & Brown, Inc., Richmond, Va. Vitamin B, complex tablets. 416,883; Oct. 2; Serial No. 481,931; published July 17, 1945. Class 6.

Waller, Pierson B.: See—
Mason, A. G. and Waller.

Warp Brothers: See—
Warp, Harold.

Warp, Harold, doing business as Flex-O-Glass Manufacturing Co., and Warp Brothers, Chicago, Ill. Flexible, translucent and transparent sheet materials. 416,803; Oct. 2; Serial No. 458,488; published May 1, 1945. Class 50.

Washburn-Crosby Company, to General Mills, Inc., Minneapolis, Minn. Wheat-flour. 47,508; re-renewed Nov. 7, 1945. O. G. Oct. 2. Class 46.

Wilbur-Suchard Chocolate Company, Inc.: See—
Ideal Cocoa & Chocolate Co.

Willcox-Gay Corporation, The, Charlotte, Mich. Phonograph needles. 416,909; Oct. 2; Serial No. 482,004; published July 10, 1945. Class 36.

Winchester Repeating Arms Co., to Olin Industries, Inc., New Haven, Conn. Paper-shell cartridges. 44,938; re-renewed Aug. 1, 1945. O. G. Oct. 2. Class 9.

Winchester Repeating Arms Co., to Olin Industries, Inc., New Haven, Conn. Cartridges and cartridge-shells. 44,939; re-renewed Aug. 1, 1945. O. G. Oct. 2. Class 9.

Winchester Repeating Arms Co., to Olin Industries, Inc., New Haven, Conn. Paper shot-shells. 45,729; re-renewed Aug. 29, 1945. O. G. Oct. 2. Class 9.

Winchester Repeating Arms Co., to Olin Industries, Inc., New Haven, Conn. Shot-shells and cartridges. 45,730; re-renewed Aug. 29, 1945. O. G. Oct. 2. Class 9.

Winchester Repeating Arms Co., to Olin Industries, Inc., New Haven, Conn. Shot-shells and cartridges. 47,094; re-renewed Oct. 24, 1945. O. G. Oct. 2. Class 9.

Winchester Repeating Arms Co., to Olin Industries, Inc., New Haven, Conn. Paper-shell cartridges. 47,351; re-renewed Oct. 31, 1945. O. G. Oct. 2. Class 9.

Winchester Repeating Arms Co., to Olin Industries, Inc., New Haven, Conn. Batteries and electric hand lamps. 201,971; renewed Aug. 11, 1945. O. G. Oct. 2. Class 21.

Winner Hat Mfg. Co. Inc.: See—
Stein, Jacob.

Winner Hat Manufacturing Company: See—
Stein, Jacob.

Winthrop Products Inc., New York, N. Y. Injectable iodine preparation. 416,843; Oct. 2; Serial No. 478,529; published July 24, 1945. Class 6.

Yorba Linda Citrus Association, The: See—
Foothill Groves.

Bits, riding spurs, saddle dees, etc. Bridle. Heye-Melas. 416,873; Oct. 2; Serial No. 481,476; published July 24, 1945.

Handbags, Ladies'. Friedman-Lobel, Inc. 416,882; Oct. 2; Serial No. 481,893; published July 24, 1945.

Wallets, key cases, purses, etc. American Leather Novelty Corporation. 416,846; Oct. 2; Serial No. 478,842; published Apr. 10, 1945.

CLASS 4

Abrasive elements. Gardner Machine Company. 416,851; Oct. 2; Serial No. 479,844; published July 17, 1945.

Petroleum oils, Mixture of. Vacuum Oil Company. 202,638; renewed Sept. 1, 1945. O. G. Oct. 2.

CLASS 5

Adhesive, Liquid. Duo Laboratories, Inc. 201,445; renewed July 28, 1945. O. G. Oct. 2.

CLASS 6

Antiseptic and germicide, Bacterial. Hoffman-La Roche, Inc. 416,907; Oct. 2; Serial No. 482,489; published July 24, 1945.

Astringent. F. N. Lewis. 205,534; renewed Nov. 10, 1945. O. G. Oct. 2.

Astringent. F. N. Lewis. 205,537; renewed Nov. 10, 1945. O. G. Oct. 2.

Bile and vitamin combination. Parke, Davis & Company. 416,827; Oct. 2; Serial No. 475,810; published July 24, 1945.

Chemical compounds, preparation and powders for use in producing varying colors in burning fuel. E. A. Brown. 416,829; Oct. 2; Serial No. 476,496; published July 24, 1945.

Chemical preparation. Staminite Corporation. 416,828; Oct. 2; Serial No. 476,035; published July 24, 1945.

Chemical preparation for removing rust, scale, etc. A. G. Mason and P. B. Waller. 416,842; Oct. 2; Serial No. 478,463; published July 17, 1945.

Chemotherapeutic agents. Abbott Laboratories. 416,885; Oct. 2; Serial No. 481,973; published July 24, 1945.

Cream for the face. Hattie Carnegie, Inc. 416,833; Oct. 2; Serial No. 477,319; published July 17, 1945.

Cream intended to be used on the skin surfaces. Charlton House, Inc. 416,889; Oct. 2; Serial No. 482,045; published July 17, 1945.

Cream, Skin cleansing. F. N. Lewis. 205,788; renewed Nov. 17, 1945. O. G. Oct. 2.

Creams, Face and body. M. S. Deutsch. 416,854; Oct. 2; Serial No. 480,013; published July 24, 1945.

Hydrolyzate of milk protein in powder form, Enzymatic. Sheffield Farms Company, Inc. 416,877; Oct. 2; Serial No. 481,557; published July 17, 1945.

Insecticide. Phillips Petroleum Company. 416,814; Oct. 2; Serial No. 469,309; published July 24, 1945.

Insecticide. S. Stern. 416,837; Oct. 2; Serial No. 477,673; published July 17, 1945.

Iodine preparation, Injectable. Winthrop Products Inc. 416,843; Oct. 2; Serial No. 478,529; published July 24, 1945.

Lanolin, Toilet. Brunswick Drug Company. 416,858; Oct. 2; Serial No. 480,403; published July 24, 1945.

Lotion, Eye. F. N. Lewis. 205,859; renewed Nov. 17, 1945. O. G. Oct. 2.

Lotion, Skin. F. N. Lewis. 205,860; renewed Nov. 17, 1945. O. G. Oct. 2.

Lotions, face and skin creams, perfumes, etc. Toilet. F. N. Lewis. 205,732; renewed Nov. 17, 1945. O. G. Oct. 2.

Lye and other pipe solvents. B. T. Babbitt. 206,765; renewed Dec. 8, 1945. O. G. Oct. 2.

Medicinal preparation. Pfeiffer Chemical Company. 416,886; Oct. 2; Serial No. 482,010; published July 24, 1945.

Oil, Castor. Kellogg Toasted Corn Flake Co. 206,720; renewed Dec. 8, 1945. O. G. Oct. 2.

Oil obtained by vacuum distillation of fish oils, Chemical. Distillation Products, Inc. 416,826; Oct. 2; Serial No. 475,751; published July 17, 1945.

Oxygen and oxygen manufactured by the liquefaction process, Liquid. Purox Company. 206,713; renewed Dec. 8, 1945. O. G. Oct. 2.

Penicillin for human use. Lederle Laboratories, Inc. 416,899; Oct. 2; Serial No. 482,205; published July 24, 1945.

Penicillin for use in veterinary medicine. Lederle Laboratories, Inc. 416,900; Oct. 2; Serial No. 482,206; published July 24, 1945.

Perfume and toilet water. Parfums De Renel, Inc. 416,878; Oct. 2; Serial No. 481,646; published July 17, 1945.

Perfume, lipstick, face powder, etc. O. Smith. 416,866; Oct. 2; Serial No. 481,085; published July 17, 1945.

Perfume, toilet water, dusting powder, etc. Ceda Distributing Co. 416,832; Oct. 2; Serial No. 477,247; published July 24, 1945.

Perfume. Mary Dunhill, Inc. 416,810; Oct. 2; Serial No. 464,603; published July 10, 1945.

Perfume. Felsie Perfumers. 416,898; Oct. 2; Serial No. 482,154; published July 24, 1945.

Perfumes. Ravel Perfumes Inc. 416,887; Oct. 2; Serial No. 482,013; published July 24, 1945.

Perfumes, toilet waters, rouge, etc. C. J. E. Charbaut. 416,888; Oct. 2; Serial No. 482,044; published July 24, 1945.

Pomade, Hair. B & P Laboratories. 416,848; Oct. 2; Serial No. 479,105; published July 17, 1945.

Powder, particularly talcum powder in stick form. Talcum. Remington Rand Inc. 416,818; Oct. 2; Serial No. 472,710; published July 17, 1945.

Powder, Talcum. I. Rich. 416,847; Oct. 2; Serial No. 478,904; published July 24, 1945.

Preparation for elimination of worms in livestock; insecticide; etc. E. M. Peet Manufacturing Company. 416,813; Oct. 2; Serial No. 468,814; published July 17, 1945.

Preparation for hyperacidity, indigestion, and flatulence. Otis Clapp & Son, Inc. 206,726; renewed Dec. 8, 1945. O. G. Oct. 2.

Preparation for the treatment of diseases peculiar to women. Dr. Kilmer & Co. 206,695; renewed Dec. 8, 1945. O. G. Oct. 2.

Preparation in table form for treating estrogenic deficiency. Wm. S. Merrell Company. 416,876; Oct. 2; Serial No. 481,648; published July 17, 1945.

Product made of glycerin. Lever Brothers Company. 206,653; renewed Dec. 8, 1945. O. G. Oct. 2.

Remedies for asthma, hay fever, catarrh, etc. W. K. Buckley, Limited. 203,165; renewed Sept. 15, 1945. O. G. Oct. 2.

Remedies for bronchitis, flu, la grippe, etc., and other medicinal preparations. W. K. Buckley, Limited. 204,259; renewed Oct. 13, 1945. O. G. Oct. 2.

Resins, Synthetic. American Cyanamid & Chemical Corporation. 416,849; Oct. 2; Serial No. 479,409; published July 17, 1945.

Rouge, Liquid and cream. F. N. Lewis. 205,535; renewed Nov. 10, 1945. O. G. Oct. 2.

Rust remover and rust preventive, Chemical. Bell Company, Incorporated. 416,855; Oct. 2; Serial No. 480,041; published July 17, 1945.

Sedative elixir. Fellows Medical Manufacturing Company, Inc. 416,830; Oct. 2; Serial No. 476,500; published July 24, 1945.

Shaper, Eyebrow. F. N. Lewis. 205,858; renewed Nov. 17, 1945. O. G. Oct. 2.

Solvent and a sulphate surface active agent. Stanco Incorporated. 416,852; Oct. 2; Serial No. 479,858; published July 17, 1945.

Vitamin B, complex tablets. Van Pelt & Brown, Inc. 416,883; Oct. 2; Serial No. 481,931; published July 17, 1945.

Water softener. F. E. Everson. 416,850; Oct. 2; Serial No. 479,788; published July 24, 1945.

Welding compounds. Cortland Welding Compound Company. 45,477; re-renewed Aug. 22, 1945. O. G. Oct. 2.

CLASS 7

Twine. International Harvester Company. 416,822-3; Oct. 2; Serial Nos. 474,898-9; published July 24, 1945.

CLASS 8

Booklets, Cigarette paper. Champagne Paper Corporation. 416,864; Oct. 2; Serial No. 480,977; published July 24, 1945.

Pipes, cigar and cigarette holders, Smokers'. Reiss-Premier Corporation. 416,935; Oct. 2.

CLASS 9

Cartridge and cartridge-shells. Winchester Repeating Arms Co. 44,939; re-renewed Aug. 1, 1945. O. G. Oct. 2.

Cartridges for use with liquid oxygen. Purox Company. 207,039; renewed Dec. 15, 1945. O. G. Oct. 2.

Cartridges, Paper-shell. Winchester Repeating Arms Co. 44,938; re-renewed Aug. 1, 1945. O. G. Oct. 2.

Cartridges, Paper-shell. Winchester Repeating Arms Co. 47,351; re-renewed Oct. 31, 1945. O. G. Oct. 2.

Shot-shells and cartridges. Winchester Repeating Arms Co. 45,730; re-renewed Aug. 29, 1945. O. G. Oct. 2.

Shot-shells and cartridges. Winchester Repeating Arms Co. 47,094; re-renewed Oct. 24, 1945. O. G. Oct. 2.

Shot-shells, Paper. Winchester Repeating Arms Co. 45,729; re-renewed Aug. 29, 1945. O. G. Oct. 2.

CLASS 12

Beams, Reinforced concrete. Flexicore Company, Inc. 416,857; Oct. 2; Serial No. 480,318; published July 17, 1945.

Board, Wall and ceiling. Coralux, Inc. 416,820-1; Oct. 2; Serial Nos. 474,153-4; published July 17, 1945.

Doors, Overhead. Cornell Iron Works, Incorporated. 416,906; Oct. 2; Serial No. 482,311; published July 24, 1945.

Emulsion of coal tar pitch, Anti-corrosive, irreversible. Selby Battersby & Co. 416,921; Oct. 2; Serial No. 483,286; published July 17, 1945.

Fire doors for buildings, boiler stacks, smoke funnels, etc. H. Darby. 416,808; Oct. 2; Serial No. 464,018; published July 24, 1945.

Gaskets and fibre board and air conditioning sound absorbing materials. Window sash seal. Philco Corporation. 416,845; Oct. 2; Serial No. 478,825; published July 17, 1945.

Linings of insulating material. Keystone Hair Insulator Company. 48,212; re-renewed Dec. 19, 1945. O. G. Oct. 2.

Lumber. Schneider Bros. Lumber Co. 416,875; Oct. 2; Serial No. 481,493; published July 24, 1945.

Sash, Metal. Curtain Supply Company. 204,405; renewed Oct. 20, 1945. O. G. Oct. 2.

Shingles, Asphalt roofing. McHenry Millhouse Mfg. Co., Inc. 206,786; renewed Dec. 8, 1945. O. G. Oct. 2.

Wallboard and building paper. Beaver Products Company, Inc. 201,688; renewed Aug. 4, 1945. O. G. Oct. 2.

CLASS 13

Fixtures and accessories, Bath room and lavatory. Columbus Plastic Products Inc. 416,862; Oct. 2; Serial No. 480,889; published July 17, 1945.

Pipe and tubing, Plastic. Federal Electric Company, Inc. 416,840; Oct. 2; Serial No. 477,927; published July 17, 1945.

Tubing made from bronze, steel, brass, etc. Certified Gauge & Instrument Corp. 416,891; Oct. 2; Serial No. 482,091; published July 24, 1945.

Tubing, Metal. Bundy Tubing Company. 207,185; renewed Dec. 22, 1945. O. G. Oct. 2.

Valves, air valves, automatic air valves, etc., Water. Romort Manufacturing Company. 203,828; renewed Sept. 29, 1945. O. G. Oct. 2.

Valves, Ping. Electric Steel Foundry. 416,870; Oct. 2; Serial No. 481,403; published July 24, 1945.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 14

Rods, Welding. Purox Company. 207,138; renewed Dec. 22, 1945. O. G. Oct. 2.

CLASS 15

Graphite, Lubricating. United States Graphite Co. 205,119; renewed Nov. 3, 1945. O. G. Oct. 2.
Grease, Lubricating. Wm. C. Robinson. 204,742; renewed Oct. 27, 1945. O. G. Oct. 2.
Greases used in the manufacture of leather. Vacuum Oil Company. 203,249; renewed Sept. 15, 1945. O. G. Oct. 2.
Oils and greases having a mineral base. General Petroleum Corporation. 204,005; renewed Oct. 6, 1945. O. G. Oct. 2.

CLASS 16

Enamel, Paint. Nu-Enamel Corporation. 416,931; Oct. 2.
Polish, Furniture. American Products Company. 206,030; renewed Nov. 24, 1945. O. G. Oct. 2.

CLASS 19

Closures, Curtain. Curtain Supply Company. 203,919; renewed Sept. 29, 1945. O. G. Oct. 2.
Motor cycles. A. J. Stevens and Company (1914) Limited. 204,228; renewed Oct. 13, 1945. O. G. Oct. 2.
Railway-car diaphragms. Curtain Supply Company. 203,918; renewed Sept. 29, 1945. O. G. Oct. 2.

CLASS 21

Batteries and electric hand lamps. Winchester Repeating Arms Co. 201,971; renewed Aug. 11, 1945. O. G. Oct. 2.
Electric fluorescent lighting units. Mitchell Mfg. Co. 416,927; Oct. 2.

CLASS 22

Bobbers, Fishing. Castall Corporation. 416,917; Oct. 2; Serial No. 482,832; published July 17, 1945.
Dolls. Api Ltd. 416,905; Oct. 2; Serial No. 482,306; published July 24, 1945.
Dolls. American Character Doll Company. 416,926; Oct. 2; Serial No. 484,224; published July 24, 1945.
Game. Parker Brothers, Inc. 416,865; Oct. 2; Serial No. 481,005; published July 24, 1945.
Playing-cards. New York Consolidated Card Company. 48,170; re-renewed Dec. 12, 1945. O. G. Oct. 2.
Sporting goods and athletic equipment. Globe Sporting Goods Manufacturing Company. 416,861; Oct. 2; Serial No. 480,863; published July 24, 1945.
Toy coin banks. R. V. Moran. 416,913; Oct. 2; Serial No. 482,694; published July 24, 1945.
Vehicles, Children's hand-and-foot propelled. Gendron Wheel Co. 47,894; re-renewed Nov. 28, 1945. O. G. Oct. 2.

CLASS 23

Cutters for metal pipes. Barnes Tool Company. 47,914; re-renewed Nov. 28, 1945. O. G. Oct. 2.
Planers, Metal. Cincinnati Planer Company. 201,864; renewed Aug. 11, 1945. O. G. Oct. 2.
Pumps, pump valves, pump fittings, etc. Oil well. Axelson Manufacturing Company. 416,938; Oct. 2.
Razors, Safety. American Safety Razor Corporation. 204,042; renewed Oct. 6, 1945. O. G. Oct. 2.
Sewing-machines and parts thereof. Union Special Machine Company. 48,038; re-renewed Dec. 5, 1945. O. G. Oct. 2.
Spraying equipment, Power. Brown and Tinnerman Company. 416,930; Oct. 2.

CLASS 26

Glasses and parts thereof, Sun. Kono Manufacturing Company. 416,919; Oct. 2; Serial No. 483,023; published July 24, 1945.
Meters and test kits, Proportioning. Proportioners, Inc. 416,912; Oct. 2; Serial No. 482,643; published July 24, 1945.
Photographic materials. Charles Bruning Company, Inc. 416,805; Oct. 2; Serial No. 480,209; published July 24, 1945.
Scales, Weighing or measuring. Buffalo Scale Co. 27,464; re-renewed Dec. 10, 1945. O. G. Oct. 2.

CLASS 27

Clocks and watches. United States Time Corporation. 416,920; Oct. 2; Serial No. 483,162; published July 24, 1945.
Horological instruments. Harman Watch Company. 416,839; Oct. 2.
Watches and watch movements. S. Rodman Sons. 416,914; Oct. 2; Serial No. 482,702; published July 24, 1945.

CLASS 28

Articles made of precious and semi-precious metal. Friedmans' Jewelers, Inc. 416,934; Oct. 2.
Silver and silver mounted flatware, and silver mounted hollow ware. Towle Manufacturing Company. 416,904; Oct. 2; Serial No. 482,264; published July 24, 1945.

CLASS 29

Brushes, Shaving. Lightfoot Schultz Co. 416,812; Oct. 2; Serial No. 488,489; published July 24, 1945.
Cosmetic or powder puff. R. E. Madson. 416,880; Oct. 2; Serial No. 481,795; published July 24, 1945.
Puffs, Powder. Parfait Powder Puff Co., Inc. 416,928; Oct. 2.

CLASS 31

Coolers, condensing units, water coolers, etc. Milk. International Harvester Company. 416,824-5; Oct. 2; Serial Nos. 474,906-7; published July 24, 1945.

CLASS 32

Shades, Window. Curtain Supply Company. 203,920; renewed Sept. 29, 1945. O. G. Oct. 2.
Covers, Textile slp. Comfy Manufacturing Company. 416,908; Oct. 2; Serial No. 482,521; published July 24, 1945.

CLASS 35

Gaskets composed of rubber, synthetic rubber, etc. Pipe Couplings, Inc. 416,892; Oct. 2; Serial No. 482,113; published July 24, 1945.
Hose for use with welding and cutting equipment. Purox Company. 206,896; renewed Dec. 15, 1945. O. G. Oct. 2.
Tubes for pneumatic vehicle tires and tubes, Inner. Good-year Tire & Rubber Company. 201,718; renewed Aug. 4, 1945. O. G. Oct. 2.

CLASS 36

Phonograph needles. Wilcox-Gay Corporation. 416,909; Oct. 2; Serial No. 482,604; published July 10, 1945.
Phonograph records. L. J. Arms. 416,835-6; Oct. 2; Serial Nos. 477,541-2; published July 24, 1945.

CLASS 37

Napkins, Embossed paper. Tissue Company. 416,815; Oct. 2; Serial No. 469,658; published July 24, 1945.
Pens and mechanical pencils, Fountain. Eversharp, Inc. 416,915; Oct. 2; Serial No. 482,793; published July 24, 1945.
Pens and mechanical pencils, Fountain. Eversharp, Inc. 416,916; Oct. 2; Serial No. 482,795; published July 24, 1945.
Pens, Stylographic. Universal Fountain Pen & Pencil Co. 416,871; Oct. 2; Serial No. 481,447; published July 24, 1945.

CLASS 38

Newspaper, Sunday. New Yorker Staats Zeitung. 44,484; re-renewed July 11, 1945. O. G. Oct. 2.
Periodical, Semimonthly. Hedman Manufacturing Company. 201,105; renewed July 21, 1945. O. G. Oct. 2.
Publication issued monthly. American Stove Company. 202,858; renewed Sept. 8, 1945. O. G. Oct. 2.

CLASS 39

Boots and shoes, Leather. Churchill and Alden Co. 47,712; re-renewed Nov. 14, 1945. O. G. Oct. 2.
Cloaks, suits, and dresses, Ladies' and misses'. M. Goldman. 206,322; renewed Nov. 24, 1945. O. G. Oct. 2.
Clothing and out-of-doors clothing, Work. Haymon Krupp & Co. 207,242; renewed Dec. 22, 1945. O. G. Oct. 2.
Coats, pants, vests, and overcoats, Men's and boys'. Fashion Park, Inc. 416,897; Oct. 2; Serial No. 482,153; published July 17, 1945.
Coats, pants, vests, etc. Fashion Park, Inc. 416,936; Oct. 2.

Coats, vests, pants, and overcoats for men and boys. Fashion Park, Inc. 416,894; Oct. 2; Serial No. 482,138; published July 17, 1945.

Coats, vests, pants, and overcoats, Men's. Fashion Park, Inc. 416,896; Oct. 2; Serial No. 482,151; published July 17, 1945.

Coats, vests, pants and overcoats for men and boys, etc. Fashion Park, Inc. 416,902; Oct. 2; Serial No. 482,245; published July 17, 1945.

Dresses. Star-Maid Dresses, Inc. 202,914; renewed Sept. 8, 1945. O. G. Oct. 2.

Frocks. Kaumagraph Co. 202,994; renewed Sept. 8, 1945. O. G. Oct. 2.

Hats, Ladies'. J. Stein. 189,177; renewed Sept. 16, 1944. O. G. Oct. 2.

Hosiery, Women's. Guenther Hosiery Co., Inc. 416,932; Oct. 2.

Mufflers, scarfs, and vests, Ladies' and gentlemen's. Clisco, Inc. 201,319; renewed July 21, 1945. O. G. Oct. 2.

Overalls, pants, and work shirts. High Point Overall Company. 206,320; renewed Nov. 24, 1945. O. G. Oct. 2.

Overcoats for men and boys. Fashion Park, Inc. 416,901; Oct. 2; Serial No. 482,242; published July 17, 1945.

Pants, Baby. Goodyear Rubber Sundries, Inc. 416,869; Oct. 2; Serial No. 481,370; published July 17, 1945.

Play garments, Children's and infants'. Top-Notch Manufacturing Company. 416,863; Oct. 2; Serial No. 480,963; published July 17, 1945.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Sack coats and men's overcoats, Men's. Fashion Park, Inc. 416,895; Oct. 2; Serial No. 482,145; published July 17, 1945.

Shirts, Dress and negligee. Cluett, Peabody & Co., Inc. 207,247; renewed Dec. 22, 1945. O. G. Oct. 2.

Shoes and slippers. A. J. Bates Company. 205,460; renewed Nov. 10, 1945. O. G. Oct. 2.

Skirts, jumpers, dresses, etc. Women's and misses' outer. Hazan Bros. 416,937; Oct. 2.

Underwear and knitted underwear, Men's, boys', and children's. Associated Knitted Outerwear Mills, Inc. 416,872; Oct. 2; Serial No. 481,454; published July 17, 1945.

Underwear of textile material, Athletic. Regatta Manufacturing Co. Inc. 203,267; renewed Sept. 15, 1945. O. G. Oct. 2.

Underwear, slips, nightgowns, pajamas, Ladies' and children's. Skybrite Underwear Mills. 416,868; Oct. 2; Serial No. 481,129; published July 17, 1945.

CLASS 40

Plaits formed of straw and other fibrous materials. Henry Pollak, Inc. 207,192; renewed Dec. 22, 1945. O. G. Oct. 2.

Stays, Apparel. Spirella Company. 47,689; re-renewed Nov. 14, 1945. O. G. Oct. 2.

Transfers comprising a paper base. Kaumagraph Co. 205,736; renewed Nov. 17, 1945. O. G. Oct. 2.

CLASS 42

Cotton piece goods. J. L. Stifel & Sons. 207,026-7; renewed Dec. 15, 1945. O. G. Oct. 2.

Cord fabrics, chafar fabrics, liner fabrics, etc. Unity Cotton Mills. 200,034; renewed June 23, 1945. O. G. Oct. 2.

Curtains, nets, and curtain lace in piece goods, Lace. Quaker Lace Company. 202,533; renewed Aug. 25, 1945. O. G. Oct. 2.

Duck, Hose and belting. Unity Cotton Mills. 200,025; renewed June 23, 1945. O. G. Oct. 2.

Sheets and pillowcases. Jordan Marsh Company. 205,273; renewed Nov. 3, 1945. O. G. Oct. 2.

Veils and silk goods in the piece. Vanity Fair Silk Mills. 207,048; renewed Dec. 15, 1945. O. G. Oct. 2.

CLASS 44

Conditioned reflex device for teaching bladder control. A. Lunde. 416,884; Oct. 2; Serial No. 481,951; published July 24, 1945.

Lighting fixtures, Explosion-proof. Ohio Chemical & Mfg. Co. 416,841; Oct. 2; Serial No. 478,186; published July 24, 1945.

Paste made from methyl methacrylate powder and liquid. Rockland Dental Co., Inc. 416,834; Oct. 2; Serial No. 477,530; published Mar. 20, 1945.

Rings, Teething. Julius Schmid, Inc. 206,458; renewed Dec. 1, 1945. O. G. Oct. 2.

Teeth, artificial parts of teeth, synthetic resins, Artificial. I. C. I. (Plastics) Limited. 416,819; Oct. 2; Serial No. 473,506; published July 24, 1945.

CLASS 45

Beverages and sirups for making the same, Nonalcoholic, maltless. Green & Green. 207,205; renewed Dec. 22, 1945. O. G. Oct. 2.

Juices, extracts, and sirups for making soft drinks, Non-alcoholic, maltless fruit. International Company. 207,175; renewed Dec. 22, 1945. O. G. Oct. 2.

CLASS 46

Bird-food. Aschenbach & Miller. 48,068; re-renewed Dec. 5, 1945. O. G. Oct. 2.

Bread, rolls, and cake. Capital Bakers Inc. 416,853; Oct. 2; Serial No. 480,007; published July 24, 1945.

Candy. Hunte Brothers. 207,209; renewed Dec. 22, 1945. O. G. Oct. 2.

Candy. B. H. Karmen. 416,867; Oct. 2; Serial No. 481,114; published July 24, 1945.

Candy. Liberty Orchards Company. 199,207; renewed June 2, 1945. O. G. Oct. 2.

Canned fish. M. D. Loughbom. 416,844; Oct. 2; Serial No. 478,635; published July 24, 1945.

Canned fish. Commando Packing Company. 416,890; Oct. 2; Serial No. 482,047; published July 24, 1945.

Canned fruits, berries, succotash, etc. Reid, Mardoch & Co. 206,555; renewed Dec. 8, 1945. O. G. Oct. 2.

Canned peas. Mayville Canning Company. 416,838; Oct. 2; Serial No. 477,809; published July 24, 1945.

Chewing-gum. American Chic Co. 48,239; re-renewed Dec. 19, 1945. O. G. Oct. 2.

Chocolate. Ideal Cocoa & Chocolate Co. 207,218; renewed Dec. 22, 1945. O. G. Oct. 2.

Chocolate. Runkel Brothers, Inc. 202,497; renewed Aug. 25, 1945. O. G. Oct. 2.

Coconut, Natural. L. Gordon. 416,933; Oct. 2.

Coffee essence with chickory. R. Paterson & Sons Limited. 195,502-3; renewed Feb. 24, 1945. O. G. Oct. 2.

Coffee, Green. Leon Israel & Bros. Inc. 200,907; renewed July 14, 1945. O. G. Oct. 2.

Coffee, Green. Leon Israel & Bros., Inc. 207,169; renewed Dec. 22, 1945. O. G. Oct. 2.

Corn starch for food purposes. Corn Products Refining Company. 416,910; Oct. 2; Serial No. 482,615; published July 24, 1945.

Cracker. A. P. de Sanno, Jr. 416,809; Oct. 2; Serial No. 465,623; published July 24, 1945.

Extracts for foods, Flavoring. Howell Company, Inc. 207,239; renewed Dec. 22, 1945. O. G. Oct. 2.

Fish, Preserved. Benvenuto, Sociedad Anonima Comercial E Industrial. 416,806; Oct. 2; Serial No. 463,375; published July 24, 1945.

Fruits and fresh vegetables, Fresh. R. V. Dublin Company. 416,893; Oct. 2; Serial No. 482,137; published July 24, 1945.

Fruits, Fresh. J. Baumbach. 416,807; Oct. 2; Serial No. 463,862; published July 24, 1945.

Fruits, Fresh citrus. Foothill Groves. 207,162; renewed Dec. 22, 1945. O. G. Oct. 2.

Fruits, Fresh citrus. S. A. Heffield, Sr. 416,918; Oct. 2; Serial No. 483,020; published July 24, 1945.

Gum, Chewing. J. Tanous. 416,923; Oct. 2; Serial No. 483,941; published July 24, 1945.

Jellies and fruit preserves. American Preserve Co. 207,217; renewed Dec. 22, 1945. O. G. Oct. 2.

Milk, Fluid. D. A. Long. 416,903; Oct. 2; Serial No. 482,250; published July 24, 1945.

Noodles, Egg. St. Louis Macaroni Mfg. Co. 416,831; Oct. 2; Serial No. 476,534; published July 24, 1945.

Sausage, hams, and bacon. Orling Brothers of Detroit, Mich. 204,542; renewed Oct. 20, 1945. O. G. Oct. 2.

Shoulders, backs, hams, etc. Cudahy Brothers Company. 48,274; re-renewed Dec. 19, 1945. O. G. Oct. 2.

Sirup, rice, rolled oats, etc. Table. Albemarle Grocery Co. Inc. 203,962; renewed Sept. 29, 1945. O. G. Oct. 2.

Wheat-flour. Washburn-Crosby Company. 47,508; re-renewed Nov. 7, 1945. O. G. Oct. 2.

CLASS 50

Display forms, Merchandise. L. A. Darling Company. 416,911; Oct. 2; Serial No. 482,618; published July 17, 1945.

Display signs, Non-electrical advertising. Federal Electric Company, Inc. 416,839; Oct. 2; Serial No. 477,926; published July 17, 1945.

Leather, Artificial. Firestone Tire & Rubber Company. 416,859-60; Oct. 2; Serial Nos. 480,750-1; published July 17, 1945.

Matrices. Mergenthaler Linotype Company. 416,881; Oct. 2; Serial No. 481,852; published July 17, 1945.

Mats, Table. Frank & Sadev. 416,816; Oct. 2; Serial No. 470,183; published July 24, 1945.

Pocket piece in the form of a cross. F. H. Korab. 416,874; Oct. 2; Serial No. 481,479; published July 17, 1945.

Printing plates, Offset. Plastolith Company. 416,811; Oct. 2; Serial No. 467,536; published July 24, 1945.

Sheet materials, Flexible, translucent and transparent. H. Warp. 416,803; Oct. 2; Serial No. 458,488; published May 1, 1945.

Shoe trees. Mississippi Valley Last Company. 416,804; Oct. 2; Serial No. 459,124; published July 24, 1945.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 2D DAY OF OCTOBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Irwin, Oliver C., deceased, by Standard Cap & Seal Corporation, assignee, New York, N. Y. Refrigerating system. Re. 22,677; Oct. 2.

Standard Cap & Seal Corporation: See—
Irwin, Oliver C., assignor.

LIST OF DESIGN PATENTEES

Adel Precision Products Corp.: See—
Hartley, Richard A., assignor.
Anderson, Dee R., Western Springs, Ill. Clothes hanger. 142,462; Oct. 2.
Barrett, Altina: See—
Barrett, Eric and A., Beverly Hills, Calif. Spectacle frame. 142,463; Oct. 2.
Barrett, Eric: See—
Barrett, Altina and E., Beverly Hills, Calif. Spectacle frame. 142,464; Oct. 2.
Bendix Aviation Corporation: See—
Gaguskil, Edward O., assignor.
Berne, Harriet H., Cincinnati, Ohio. Mug. 142,465; Oct. 2.
Boettinger, Rudolph, Englewood, N. J. Combination knife sharpener and can opener. 142,466; Oct. 2.
Boettinger, Rudolph, Englewood, N. J. Knife sharpener. 142,467; Oct. 2.
Bremer, Harry E., Milwaukee, Wis. Scraping tool. 142,468; Oct. 2.
Brodigan, Joe, Brooklyn, N. Y. Scarf or similar article. 142,469; Oct. 2.
Cornish, Irving R., Elmhurst, assignor of one-third to J. W. Paxton, and one-third to G. N. Paxton, deceased; A. L. Paxton and The National Bank of Bloomington, Bloomington, Ill., executors. Desk. 142,470; Oct. 2.
Coro, Inc.: See—
Katz, Adolph, assignor.
Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Printing press. 142,471; Oct. 2.
Day-Brite Lighting, Inc.: See—
Meyer, Carl X., assignor.
Eames, Frederick W., Medford, Mass. Vegetable cutter. 142,472; Oct. 2.
Federal Telephone and Radio Corporation: See—
Master, Warren S., assignor.
Fisk, Ruth L., New York, N. Y. Combined brooch, compact, lipstick, and comb. 142,473; Oct. 2.
Fordyce, Charles L., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Candle holder or article of similar nature. 142,474; Oct. 2.
Gaguskil, Edward O., Baltimore, Md., assignor to Bendix Aviation Corporation, New York, N. Y. Housing for electrical apparatus. 142,475; Oct. 2.
Goldman, Gloria, New York, N. Y. Hair clip or similar article. 142,476; Oct. 2.
Goss Printing Press Company, The: See—
Crafts, Curtis S., assignor.
Grimsby, Anthony A., Bradford, Ontario, Canada. Combined sewing rack and pin-cushion. 142,477; Oct. 2.
Hartley, Richard A., North Hollywood, Calif., assignor to Adel Precision Products Corp. Slide viewer casing. 142,478; Oct. 2.
Heininger, Walter J., Buffalo, N. Y. Building siding unit or the like. 142,479; Oct. 2.
Hopkins, Norris E., Chicago, Ill. Scoop or similar article. 142,480; Oct. 2.
Jakopets, Gyrd E. B., Chicago, Ill. Permutation padlock. 142,481; Oct. 2.
Kaphan, Ludwig, Brooklyn, N. Y. Handbag. 142,482; Oct. 2.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 142,483; Oct. 2.

Kissling, Edmund D., New York, N. Y. Picture frame. 142,484; Oct. 2.
Koven, Marc I., Brooklyn, N. Y. Pin or similar article. 142,485; Oct. 2.
Koven, Marc I., Brooklyn, N. Y. Pin or similar article. 142,486; Oct. 2.
Master, Warren S., Rutherford, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier housing. 142,487; Oct. 2.
Meyer, Carl X., assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Fluorescent lighting fixture. 142,488; Oct. 2.
Morrow, Frank, Johnston, R. I. Jewelry pin or similar article. 142,489; Oct. 2.
Murray, Selma V., Kansas City, Mo. Pottery piece. 142,490; Oct. 2.
National Bank of Bloomington, The, executor, et al.: See—
Cornish, Irving R.
Neiser, Joseph, Miami, Fla. Set of dominoes. 142,491; Oct. 2.
Oliver, Leo E., Sanger, Calif. Airplane. 142,492; Oct. 2.
Owens, Thomas B., Cleveland, Ohio. Mail receptacle or similar article. 142,493; Oct. 2.
Paxton, Arlie L., executor, et al.: See—
Cornish, Irving R.
Paxton, George N., et al.: See—
Cornish, Irving R., assignor.
Paxton, John W., et al.: See—
Cornish, Irving R., assignor.
Peterson, Oscar R., Oakland, and R. A. Peterson, San Leandro, Calif. Power unit. 142,494; Oct. 2.
Peterson, Robert A.: See—
Peterson, Oscar R. and R. A.
Pichel, Irving, New York, N. Y. Handbag. 142,495; Oct. 2.
Pitman-Dreitzer & Co., Inc.: See—
Fordyce, Charles L., assignor.
Reiner, Leo A., Detroit, Mich. Scaffold unit. 142,496; Oct. 2.
Remington Rand Inc.: See—
Rider, Fremont, assignor.
Rider, F., Middletown, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Book truck. 142,497; Oct. 2.
Salinger, Morris, Brooklyn, N. Y. Display stand or similar article for jewelry and the like. 142,498; Oct. 2.
Scharf, Wesley L., Inkster, Mich. Clothespin. 142,499; Oct. 2.
Scott, Jack V., Philadelphia, Pa. Combined bookmark and greeting card. 142,500; Oct. 2.
Sherr, Isaac B., Los Angeles, Calif. Multiple picture frame. 142,501; Oct. 2.
Sherr, Isaac B., Los Angeles, Calif. Multiple picture frame. 142,502; Oct. 2.
Smith, David, Cleveland, Ohio. Signal light for automobiles. 142,503; Oct. 2.
Walhimer, Morris, New Haven, Conn. Display box or similar article. 142,504; Oct. 2.
Warner, Boyd W., assignor to The Warner Brooder & Appliance Corporation, North Manchester, Ind. Electric water heater for stock tanks and the like. 142,505; Oct. 2.
Warner Brooder & Appliance Corporation, The: See—
Warner, Boyd W., assignor.
Wolock, Morris, New York, N. Y. Shoe. 142,506; Oct. 2.
Wolock, Morris, New York, N. Y. Shoe. 142,507; Oct. 2.

LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 2D DAY OF OCTOBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acme Steel Company: See—
Wognum, James N., assignor.
Adel Precision Products Corp.: See—
Le Vesconte, Harold J., assignor.
Air Preheater Corporation, The: See—
Holm, Sven, assignor.
Aircraft-Marine Products, Inc.: See—
Carlson, Vernon E., assignor.
Akron Brass Manufacturing Company: See—
Glessner, Donald P., assignor.
Aktiebolaget, C. E. Johansson: See—
Woxén, Ragnar, assignor.
Aktiengesellschaft vormalis B. Siegfried: See—
Demolis, André, assignor.
Alford, Andrew, and M. Fuchs, New York, N. Y., assignors to Federal Telephone and Radio Corporation. Antenna construction. 2,385,783; Oct. 2.
Allen Property Custodian: See—
Nallinger, F., and Berger.
Pampinella, Antonio.
Von Beckerath, Hans.
Allis-Chalmers Manufacturing Company: See—
Hageman, John R., assignor.
Althens, Herbert E., Newton, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing machine. 2,385,768; Oct. 2.
Altorfer, Alpheus W., Peoria, Ill. Wringer mechanism. 2,385,769; Oct. 2.
American Chemical Paint Company: See—
Douty, A., and Freese, assignors.
American District Telegraph Company: See—
Evans, F. C., and Donellan, assignors.
American Locomotive Company: See—
Elder, Frederick T., assignor.
American Optical Company: See—
Pratt, Arthur J., assignor.
American Radiator & Standard Sanitary Corporation: See—
Goerg, Bernard, assignor.
American Steel Foundries: See—
Aurien, Ray G., assignor.
American Viscose Corporation: See—
Kulp, M. P., Morehead, Sisson, and Webb, assignors.
Taylor, Robert J., assignor.
Andersen, Ingvar J., Oakland, Calif. Electrode holder. 2,386,080; Oct. 2.
Anderson, Edgar M.: See—
Margolin, N. G., and Anderson.
Anderson, Lloyd L., Grand Rapids, assignor to Winters & Crampton Corporation, Grandville, Mich. Latch. 2,385,961; Oct. 2.
Angelus Sanitary Can Machinery Co.: See—
Schurch, Jacob H., assignor.
Archibald, Raymond C., Berkeley, and R. A. Trimble, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Recovery of metal values. 2,386,081; Oct. 2.
Armitage, Joseph B., and T. F. Eserkain, Wauwatosa, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool power transmission and control mechanism. 2,385,907; Oct. 2.
Armstrong, George M., Grand Rapids, assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,385,908; Oct. 2.
Arrow-Hart & Hegeman Electric Company, The: See—
Gates, Frederic P., assignor.
Ash, Charles S., Milford, Mich. Dual wheeled vehicle. 2,386,030; Oct. 2.
Atlantic Coast Fisheries Company, The: See—
Taylor, H. F., and Nedzvedsky, assignors.
Attridge, Richard B., Los Angeles, Calif. Mounting means for rotatable disks. 2,386,082; Oct. 2.
August, Nathan, Jr., Newark, N. J. Binder. 2,386,083; Oct. 2.
Aurien, Ray G., assignor to American Steel Foundries, Chicago, Ill. Clasp brake. 2,385,909; Oct. 2.
Austin, Edwin C., et al., trustees: See—
Geiger, William A., assignor.
Automatic Electric Laboratories, Inc.: See—
Lomax, Clarence E., assignor.
Mahoney, Harry P., assignor.
Ayres, Ralph C., assignor to Transcontinental & Western Air, Inc., Kansas City, Mo. Removing static charge from moving bodies. 2,386,084; Oct. 2.
Babel, Byron A., Highland, Calif. Tooth brush. 2,386,085; Oct. 2.
Back, M. F., et al., trustees: See—
Geiger, William A., assignor.

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Bakelite Corporation: See—
Daniels, R. S., and Mostello, assignors.
Baker, Thomas A., Logansport, Ind. Liquid metering device. 2,385,784; Oct. 2.
Banning, Lloyd: See—
Lamb, F. D., and Banning.
Barnett, Charles A., Shaker Heights, assignor to The Foundry Equipment Company, Cleveland, Ohio. Method of and apparatus for conditioning molds and the like. 2,385,962; Oct. 2.
Barron-Gray Packing Company: See—
Erickson, A. M., and Ryan, assignors.
Barth, Edwin J.: See—
Davis, G. D., and Barth.
Barthen, Charles L., Manhasset, N. Y., J. B. Peterson, Summit, N. J., and L. A. McClintock, Worcester, Mass., assignors to White Laboratories, Inc., Newark, N. J. Treatment of pharmaceuticals. 2,386,157; Oct. 2.
Bausch & Lomb Optical Company: See—
Ellestad, Gerhard A., assignor.
Flint, Edward F., assignor.
Jobe, Frederick W., assignor.
Street, Donald T., assignor.
Beard, James A., St. Louis County, Mo. Engine starter. 2,385,963; Oct. 2.
Beasley, Lee L.: See—
Beasley, Orvil L. and L. L.
Beasley, Orvil L. and L. L., Ferdinand, Idaho. Plow. 2,385,785; Oct. 2.
Beebe, John D., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Reeling apparatus. 2,386,086; Oct. 2.
Belden Manufacturing Company: See—
McQuiston, Dwight D., assignor.
Bell Telephone Laboratories, Incorporated: See—
Meacham, Larned A., assignor.
Bendix Aviation Corporation: See—
Williams, Harry A., assignor.
Bendix-Westinghouse Automotive Air Brake Company: See—
Eaton, Wilfred A., assignor.
Fowler, Elbert, assignor.
Bergen, Daniel E., Phillips, Tex., assignor to Phillips Petroleum Company. Lubricant. 2,385,964; Oct. 2.
Berger, Arthur: See—
Nallinger, F., and Berger.
Bibb, Howard A., Riverside, Calif. Toy bulldozer. 2,385,965; Oct. 2.
Bingley, Frank J., Chestnut Hill, and W. E. Bradley, Northampton, assignors to Philco Radio and Television Corporation, Philadelphia, Pa. Method and apparatus for reducing echo effects in picture transmission systems. 2,386,087; Oct. 2.
Bingley, Frank J., Philadelphia, and W. E. Bradley, Swarthmore, assignors to Philco Radio and Television Corporation, Philadelphia, Pa. Method and apparatus for reducing echo effects in picture transmission systems. 2,386,088; Oct. 2.
Birch-Field, Charles A., New York, N. Y. Projection in color. 2,385,770; Oct. 2.
Blanco, Elias: See—
Hagedorn, D. O., and Blanco.
Bobb, Lloyd J., Glenside, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Phonograph pickup device. 2,386,089; Oct. 2.
Bodine, Ralph E., Schenectady, N. Y., assignor to General Electric Company. Antihunting circuit. 2,386,031; Oct. 2.
Boeing Aircraft Company: See—
Schalmer, George S., assignor.
Bogue, Charles B., San Francisco, Calif. Transparent film segment holder and projection machine therefor. 2,385,771; Oct. 2.
Bond, Rolston L.: See—
Price, D., and Bond.
Boothe, James H.: See—
Wilson, C. O., and Boothe.
Borden, Moro M., Collingswood, N. J., assignor to Simplex Valve and Meter Company, Philadelphia, Pa. Metering apparatus. 2,385,772; Oct. 2.
Bottinelli, Lelio A., East Cleveland, Ohio. Masher for potatoes. 2,385,966; Oct. 2.
Bouget, Yves A., West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Coating apparatus. 2,386,090; Oct. 2.
Bracken, Wallace H., Rye, N. Y. Wardrobe trunk. 2,385,910; Oct. 2.
Bradley, William E.: See—
Bingley, F. J., and Bradley.

Brandell, Elmer: See—
Neal, Ernest C., assignor.
Briggs Manufacturing Company: See—
Ehring, Gunnar E., assignor.
Brittingham, James C., St. Louis, Mo. Baffle mounting for air circulator units. 2,385,773; Oct. 2.
Brown Instrument Company, The: See—
Gess, L., and Burdick, assignors.
Brubach, Howard F., Wood Acres, and L. R. Crisp, Bethesda, Md. Apparatus for the administration of gaseous mixtures. 2,385,786; Oct. 2.
Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Aryloxydihydronorpolycyclopentadienes. 2,385,787; Oct. 2.
Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Hydroxydihydronorpolycyclopentadienes and their preparation. 2,385,788; Oct. 2.
Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Norendomethylene hexahydrofluorenyl alcohol. 2,385,789; Oct. 2.
Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Phenyl endoethylene cyclopentanol. 2,385,790; Oct. 2.
Bryant C. & Son, Limited: See—
Hawes, Albert H., assignor.
Budd, Edward G., Manufacturing Company: See—
Watter, Michael, assignor.
Burdick, Edwin C.: See—
Gess, L., and Burdick.
Butterworth, H. W., & Sons Company: See—
Sippel, John J., assignor.
Bye, Harold P., Washington, D. C. Muffler. 2,385,791; Oct. 2.
Calvert, William: See—
Mehline, E. O., and Calvert.
Campbell, Donald L., Roselle Park, N. J., assignor to Standard Oil Development Company. Catalytic cracking. 2,386,032; Oct. 2.
Carbide and Carbon Chemicals Corporation: See—
Patton, Carl W., assignor.
Carborundum Company, The: See—
Melton, Romie L., assignor.
Carlson, Vernon E., Short Hills, assignor to Aircraft-Marine Products, Inc., Elizabeth, N. J. Electrical connector. 2,385,792; Oct. 2.
Carlson, William A., assignor to Superior Steel Corporation, Pittsburgh, Pa. Bimetallic billet and preparation and rolling thereof. 2,386,091; Oct. 2.
Garman, Everett F., Rutherford, N. J., and W. Reil, assignors to Interchemical Corporation, New York, N. Y. Printing ink. 2,385,793; Oct. 2.
Celanese Corporation of America: See—
Seymour, G. W., and Salvin, assignors.
Certain-tyed Products Corporation: See—
Hahn, Leonard E., assignor.
Chain Belt Company: See—
Klaucke, H., and Davis, assignors.
Chambersburg Engineering Company: See—
Weyer, Henry A., assignor.
Chappell, Fred L., Jr., Kalamazoo, Mich., assignor to Hercules Powder Company, Wilmington, Del. High free rosin size dispersions. 2,385,794; Oct. 2.
Chappell, Fred L., Jr., Kalamazoo, Mich., assignor to Hercules Powder Company, Wilmington, Del. Dry size. 2,386,033; Oct. 2.
Chemsearch Corporation: See—
Snell, F. D., and Gulteras, assignors.
Chenick, Albert G., Baberton, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Condensation products of aldehydes and unsaturated ester amides. 2,385,911; Oct. 2.
Cherry Rivet Company: See—
Mullgardt, Alexander S., assignor.
Shaff, Ernest H., assignor.
Christian, Herbert L.: See—
Moore, A. W., Moran, Christian, and Morris.
Church, Herman S., Cuyahoga Falls, assignor to The Monarch Rubber Company, Hartsville, Ohio. Manufacture of solid rubber tires. 2,386,034; Oct. 2.
Citizens Trust & Savings Bank, administrator: See—
Stankle, William H.
Clare, C. P., & Co.: See—
Johnston, Arthur J., assignor.
Clark Equipment Company: See—
Williams, Alfred O., assignor.
Clark, Robert H.: See—
Wilson, Harry C., assignor.
Clarke, Rollin R.: See—
Peterson, F. H., and Clarke.
Clarke, Rollin R., assignor to The Patent Button Company, Waterbury, Conn. Snap fastener. 2,385,774; Oct. 2.
Cline, McGarvey, Jacksonville, Fla. Continuous retort. 2,385,775; Oct. 2.
Clover Foundry Company, The: See—
Flora, Rudolph F., assignor.
Coffelt, Lowell E., Portland, Oreg. Waterwheel mounting. 2,385,967; Oct. 2.

Cohn, Edwin J., Cambridge, and J. D. Ferry, Woods Hole, Mass., assignors to Research Corporation, New York, N. Y. Manufacture of plastic compositions. 2,385,803; Oct. 2.
Coleman, Gerald H., and F. B. Smith, assignors to The Dow Chemical Company, Midland, Mich. N-hydrocarbon substituted alkanolamine salts of dinitro-phenols. 2,385,795; Oct. 2.
Collins, Howard W., Newark, Ohio, assignor to Owens-Corning Fiberglass Corporation. Making and packaging strands of material. 2,386,158; Oct. 2.
Consolidated Mining and Smelting Company of Canada, Limited, The: See—
Moore, A. W., Moran, Christian, and Morris, assignors.
Cooper's, Incorporated: See—
Kneibler, Arthur R., assignor.
Cornish, Irving R., Elmhurst, assignor of one-third to J. W. Paxton, and one-third to G. N. Paxton, Bloomington, Ill.; A. L. Paxton and The National Bank of Bloomington, executors of said G. N. Paxton, deceased. Desk. 2,386,092; Oct. 2.
Crary, Selden B., Schenectady, N. Y., assignor to General Electric Company. Protective system. 2,386,035; Oct. 2.
Crisp, Laurence R.: See—
Brubach, H. F., and Crisp.
Crom, John M., Washington, D. C. Method of and apparatus for tensioning wire in banding operations. 2,385,796; Oct. 2.
Cross, Roy, Kansas City, Mo. Secondary recovery of oil. 2,386,036; Oct. 2.
Crown Cork & Seal Company, Inc.: See—
Rolker, Edwin, assignor.
Curtis, John C., Claremont, N. H., assignor to Sullivan Machinery Company. Impact tool. 2,385,797; Oct. 2.
Cutler-Hammer, Inc.: See—
Evans, Clarence T., assignor.
Harwood, P. B., and Newman, assignors.
Dahlender, Noel L., et al.: See—
Margolin, N. G., and Anderson, assignors.
Daniels, Rupert S., Union, and A. J. Mostello, Newark, N. J., assignors to Bakelite Corporation. Abrasive compositions. 2,385,776; Oct. 2.
Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 2,386,093; Oct. 2.
Davis, Ernest W., River Forest, Ill. Flow restricting valve for oiling systems. 2,385,798; Oct. 2.
Davis, Gifford D., South Orange, and E. J. Barth, East Orange, assignors to National Oil Products Company, Harrison, N. J. Sulphurized glyceryl esters of tall oil and making same. 2,385,912; Oct. 2.
Davis, Russell G.: See—
Klaucke, H., and Davis.
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telephone exchange system. 2,385,968; Oct. 2.
Deere & Company: See—
Oerman, Orey W., assignor.
Silver, Walter H., assignor.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,385,969; Oct. 2.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,385,970; Oct. 2.
Demolis, André, assignor to Aktiengesellschaft vormalis B. Siegfried, Zofingen, Switzerland. Preparation of the sodium salt of 4,4'-diaminodiphenylsulphone-N-N'-di-glucosulphonic acid. 2,386,037; Oct. 2.
Dobbs, Fred, et al.: See—
Fitz, Charles L., assignor.
Dodge, Adiel Y., Rockford, Ill. One-way clutch. 2,385,799; Oct. 2.
Donellan, Khatchik O.: See—
Evans, F. C., and Donellan.
Douty, Alfred, Elkins Park, and F. B. Freese, Lansdale, assignors to American Chemical Paint Company, Ambler, Pa. Paint. 2,385,800; Oct. 2.
Dow Chemical Company, The: See—
Coleman, G. H., and Smith, assignors.
Smith, F. B., and Hansen, assignors.
Drackett Company, The: See—
Gangloff, Wilmer C., assignor.
Duerkob, Manfred F., St. Louis, Mo., assignor to McGraw Electric Company, Elgin, Ill. Protector for electric circuits. 2,386,094; Oct. 2.
Du Pont, E. I., de Nemours & Company: See—
Edgar, D. E., and Sullivan, assignors.
Hayes, Paul J., assignor.
Murray, Otis W., assignor.
Spanagel, Edgar W., assignor.
Turnbull, Stockton G., Jr., assignor.
Earl, Robert J., et al.: See—
Margolin, N. G., and Anderson, assignors.
Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure mechanism. 2,386,038; Oct. 2.

Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure mechanism. 2,386,039; Oct. 2.

Ebert, Joseph F., Hollis, assignor, by mesne assignments, to Smaller War Plants Corporation, New York, N. Y. Nut-supporting device. 2,385,777; Oct. 2.

Ecusta Paper Corporation: See—

Hooper, Ray L., assignor.

Edgar, Donald E., Westport, and D. J. Sullivan, Fairfield, Conn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Heating device. 2,386,095; Oct. 2.

Edison General Electric Appliance Co., Inc.: See—

Kempton, Leslie A., assignor.

Edison, Thomas A., Incorporated: See—

Ihrig, Donald G., assignor.

Edwards, Martin A., Scotia, N. Y., assignor to General Electric Company. Electric control system. 2,386,040; Oct. 2.

Ehnborn, Bo Karl G., Stockholm, Sweden. Remote burner lighter. 2,386,041; Oct. 2.

Ehrling, Gunnar E., assignor to Briggs Manufacturing Company, Detroit, Mich. Supercharger. 2,386,096; Oct. 2.

Ehrling, Gunnar E., assignor to Briggs Manufacturing Company, Detroit, Mich. Coupling. 2,386,097; Oct. 2.

Eitel-McCullough, Inc.: See—

Eitel, William W., assignor.

Eitel, W. W., and McCullough, assignors.

Eitel, William W., assignor to Eitel-McCullough, Inc., San Bruno, Calif. Chuck. 2,385,971; Oct. 2.

Eitel, William W., San Bruno, and J. A. McCullough, Milwaukee, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electronic tube. 2,385,972; Oct. 2.

Eitel, William W., San Bruno, and J. A. McCullough, Milwaukee, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Apparatus for making grids. 2,385,973; Oct. 2.

Eitel, William W., Woodside, and J. A. McCullough, Milwaukee, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube structure. 2,385,974; Oct. 2.

Elastic Stop Nut Corporation: See—

Swanstrom, Carl A., assignor.

Swanstrom, Klas A., assignor.

Elastic Stop Nut Corporation of America: See—

Mason, Veyne V., assignor.

Elder, Frederick T., Mountain Lakes, N. J., assignor to American Locomotive Company, New York, N. Y. Heat exchanger fin tube. 2,386,159; Oct. 2.

Electric Controller & Manufacturing Company, The: See—

Smith, Ward L., assignor.

Electric Heating Equipment Company: See—

Selfert, William C., assignor.

Electriccooker, Inc.: See—

Smith, Graydon, assignor.

Ellestad, Gerhard A., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 2,385,975; Oct. 2.

Ellis-Foster Company: See—

Rust, John B., assignor.

Elzeer, Michael E., Lorain, Ohio. Nursing bottle holder. 2,386,042; Oct. 2.

Englund, Carl, Mayfield Heights, Ohio. Structural panel. 2,386,098; Oct. 2.

Erickson, Arvid M., San Jose, and J. D. Ryan, Campbell, assignors to Barron-Gray Packing Company, San Jose, Calif. Preparation of a sweetening medium from fruit. 2,385,801; Oct. 2.

Erickson, Emil H., assignor to Saftcycles, Inc., La Crosse, Wis. Clutch and brake assembly. 2,386,099; Oct. 2.

Eserkain, Theodore F.: See—

Armitage, J. B., and Eserkain.

Evatt, George J., Philadelphia, Pa. Hotel tag or the like. 2,385,778; Oct. 2.

Evans, Clarence T., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electromagnetic circuit controller. 2,385,779; Oct. 2.

Evans, Francis C., Dongan Hills, and K. O. Donellan, New York, N. Y., assignors to American District Telegraph Company, Jersey City, N. J. Fire-detecting system. 2,385,976; Oct. 2.

Everett, Arthur C., Boston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Container cleaning machine. 2,386,043; Oct. 2.

Ezell, Augustus L., Birmingham, Ala. Metallic railroad tie. 2,386,100; Oct. 2.

Faris, Harold P., Philadelphia, Pa., and J. E. White, Trenton, N. J., assignors to National Automotive Fibres, Inc., Detroit, Mich. Distributor structure. 2,385,780; Oct. 2.

Faris, Harold P., Philadelphia, Pa., and J. E. White, Trenton, N. J., assignors to National Automotive Fibres, Inc., Detroit, Mich. Distributor structure. 2,385,781; Oct. 2.

Farmer, Horace V., Sault Ste. Marie, Ontario, Canada. Multiple type vacuum cups. 2,385,977; Oct. 2.

Fasce, Egi V., Baton Rouge, La., assignor, by mesne assignments, to Jasco, Incorporated. Selective extraction of diolens from hydrocarbon mixtures. 2,386,044; Oct. 2.

Fay, Horace B. and T. H., Willoughby, assignors to Gridiron Steel Company, Cleveland, Ohio. Ventilated wooden ironing table top. 2,386,045; Oct. 2.

Fay, Thomas H.: See—

Fay, Horace B. and T. H.

Federal Telephone and Radio Corporation: See—

Alford, A., and Fuchs, assignors.

Shank, Clifford A., assignor.

Ferry, John D., Woods Hole, Mass., assignor to Research Corporation, New York, N. Y. Manufacture of plastics. 2,385,802; Oct. 2.

Ferry, John D.: See—

Cohn, E. J., and Ferry, assignors.

Fink, Ralph F., Excelsior, Minn. Lifter and carrier. 2,385,913; Oct. 2.

Firks, Theodore H., and W. E. Mackelfresh, Jr., Chicago, Ill. Container carrier. 2,386,101; Oct. 2.

Fitz, Charles L., assignor of one-half to F. Dobbs and one-half to said Fitz, Three Lakes, Wis., as co-partners. Camera. 2,385,804; Oct. 2.

Flint, Edward F., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical instrument. 2,385,978; Oct. 2.

Flora, Rudolph F., assignor to The Clover Foundry Company, Muskegon, Mich. Piston ring grinder. 2,385,979; Oct. 2.

Foster, Arch L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic cracking-isomerization alkylation process. 2,385,806; Oct. 2.

Fostos, John, Burlingame, Calif. Amusement device. 2,385,980; Oct. 2.

Foundry Equipment Company, The: See—

Barnett, Charles A., assignor.

Fowler, Elbert, Mount Vernon, N. Y., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure mechanism. 2,386,046; Oct. 2.

Freeman, Benjamin W.: See—

Freeman, Louis G., Jr., assignor.

Freeman, Louis G., Jr., assignor, by mesne assignments, to B. W. Freeman, Cincinnati, Ohio. Die. 2,386,102; Oct. 2.

Freese, Frank B.: See—

Douty, A., and Freese.

Friedman, Bernard S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Separation of organic compounds. 2,385,981; Oct. 2.

Fry, Douglas J.: See—

Kendall, J. D., and Fry.

Fuchs, Morton: See—

Alford, A., and Fuchs.

Fulton, Weston M., assignor to W. J. Savage Company, Inc., Knoxville, Tenn. Automatic stoker. 2,385,782; Oct. 2.

Galley, Charles E., Chicago, Ill., assignor to Luxene Inc. Checking device. 2,386,103; Oct. 2.

Galley, Charles E., Chicago, Ill., assignor to Luxene Inc. Jig. 2,386,104; Oct. 2.

Galvin Manufacturing Corporation: See—

Holthouse, Harry B., assignor.

Gambill, William M., Abilene, Tex. Fish lure. 2,386,105; Oct. 2.

Gangloff, Wilmer C., assignor to The Drackett Company, Cincinnati, Ohio. Detergent composition. 2,386,106; Oct. 2.

Gar Wood Industries, Inc.: See—

Shaeffer, George D., assignor.

Gary, George M., San Diego, Calif. Automobile control. 2,385,982; Oct. 2.

Gates, Frederic P., Toronto, Ontario, Canada, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Rotary electric switch. 2,386,047; Oct. 2.

Geiger, William A., assignor to W. P. Sidley, M. F. Back, A. P. Withall, E. C. Austin, and G. A. Johnson, Chicago, Ill., and A. T. Miner, Chazy, N. Y., as trustees of the William H. Miner Foundation. Friction shock absorber. 2,386,107; Oct. 2.

Gelgy, J. R. A. G.: See—

Keller, Ernst, assignor.

General Aniline & Film Corporation: See—

Roebl, Bruno C., assignor.

General Electric Company: See—

Bodine, Ralph B., assignor.

Crary, Selden B., assignor.

Edwards, Martin A., assignor.

Harkness, Joseph R., assignor.

Hausz, Walter, assignor.

Mittag, A. H., and Schmidt, assignors.

Newell, Heber L., assignor.

Powell, Alric H., assignor.

Schlenker, Rudolf P., assignor.

Stephenson, Hugh M., assignor.

General Motors Corporation: See—

Kamrath, Herbert G., assignor.

General Strapping Corporation: See—

Watt, B. L., and Osgood, assignors.

Generale, John T., Pelham Manor, N. Y. Pull toy. 2,385,914; Oct. 2.

Gess, Louis, Jenkintown, and E. C. Burdick, assignors to Brown Instrument Company, Philadelphia, Pa. Measuring instrument. 2,386,108; Oct. 2.

Gillman, Jacob: See—

Setera, Theodore J., assignor.

Glessner, Donald P., assignor to Akron Brass Manufacturing Company, Inc., Wooster, Ohio. Hose coupling. 2,386,109; Oct. 2.

Goerg, Bernard, Bronxville, assignor to American Radiator & Standard Sanitary Corporation, New York, N. Y. Heating apparatus. 2,386,160; Oct. 2.

Goldbert, Max L., New York, N. Y. Atomizer. 2,385,807; Oct. 2.

Goldbert, Max L., New York, N. Y. Atomizer. 2,385,808; Oct. 2.

Goodings, Eric P., and M. A. T. Rogers, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture of new coloring matters. 2,385,855; Oct. 2.

Goodrich, B. F., Company, The: See—

Beebe, John D., assignor.

Hunter, Wilson H., assignor.

Krupp, Carroll P., assignor.

Goulds Pumps, Inc.: See—

Landberg, Erik G., assignor.

Graviner Manufacturing Company Limited: See—

Mathisen, Anders, assignor.

Gridiron Steel Company: See—

Fay, Horace B. and T. H., assignors.

Gulteras, Albert P.: See—

Snell, F. D., and Gulteras.

Hafemeister, Adley: See—

Plechowski, Leona, assignor.

Hagedorn, David O., and E. Blanco, Los Angeles, Calif. Connector socket. 2,385,915; Oct. 2.

Hagemann, John R., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Turbine control apparatus. 2,386,110; Oct. 2.

Hahn, Leonard E., Kansas City, Mo., assignor to Certain-ty Products Corporation, New York, N. Y. Apparatus for impregnating webs. 2,385,916; Oct. 2.

Hanes, Merle H., Wood River, Ill., assignor to Olin Industries, Inc. Electric induction furnace. 2,385,983; Oct. 2.

Hansen, John N.: See—

Smith, F. B., and Hansen.

Hansen, Odd A., Kenmore, and P. M. Riede, Buffalo, assignors to The Linde Air Products Company, New York, N. Y. Method and apparatus for distributing liquefied gas. 2,385,984; Oct. 2.

Hardman, Albert F., assignor to Wingfoot Corporation, Akron, Ohio. Dithiofurates. 2,386,111; Oct. 2.

Harkins, Henry H., North Providence, R. I., assignor to United States Rubber Company, New York, N. Y. Bonding rubber to other surfaces. 2,386,112; Oct. 2.

Harkness, Joseph R., Schenectady, N. Y., assignor to General Electric Company. Magneto breaker cam. 2,386,048; Oct. 2.

Harper, Philip S., and G. F. Turner, assignors to Harper-Wyman Company, Chicago, Ill. Gas burner. 2,386,113; Oct. 2.

Harper-Wyman Company: See—

Harper, F. S., and Turner, assignors.

Harrison, George R., Detroit, Mich. Ship. 2,385,985; Oct. 2.

Harwood, Paisley B., and J. M. Newman, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric traveling machines. 2,385,917; Oct. 2.

Hasler A.-G. Werke für Telephone und Präzisionsmechanik: See—

Ochsenbühl, Walter, assignor.

Hausz, Walter, Schenectady, N. Y., assignor to General Electric Company. Apparatus for converting sound to frequency modulated currents. 2,386,049; Oct. 2.

Hawes, Albert H., Erdington, Birmingham, assignor to C. Bryant & Son, Limited, Small Heath, Birmingham, England. Temporary support for use in casting concrete floors and similar purposes. 2,386,161; Oct. 2.

Hayes, Louise A., Washington, D. C. Toy blocks and container. 2,386,114; Oct. 2.

Hayes, Paul J., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Large rectangular spinneret. 2,385,856; Oct. 2.

Heberlein Patent Corporation: See—

Heberlein, R., and Kunze, assignors.

Heberlein, Rudolf, and A. Künzle, Wattwil, Switzerland, assignors to Heberlein Patent Corporation, New York, N. Y. Apparatus for varying the angular relation of driven members. 2,385,918; Oct. 2.

Heintz Manufacturing Company: See—

Trautvetter, George, assignor.

Heltenstein, John, Minneapolis, Minn. Fishing lure. 2,385,986; Oct. 2.

Henry, Albert R., Salina, Kans. Bucket shock absorber for loading devices. 2,385,987; Oct. 2.

Hercules Powder Company: See—

Chappell, Fred L., Jr., assignor.

Rummelburg, Alfred L., assignor.

Herrzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Cushioning device for radiation detectors. 2,385,857; Oct. 2.

Hetherington, Robert, Sharon Hill, Pa., assignor to Robert Hetherington & Son, Inc., Wilmington, Del. Single throw bill and valley switch. 2,386,162; Oct. 2.

Hetherington, Robert, & Son, Inc.: See—

Hetherington, Robert, assignor.

Heyman, Irene K.: See—

Heyman, Moses D., assignor.

Heyman, Moses D., assignor of one-half to I. K. Heyman, Cedarhurst, N. Y. Feeding device. 2,385,988; Oct. 2.

Higgins Industries, Incorporated: See—

Peterson, Willis S., assignor.

Hoe, R., & Co., Inc.: See—

Zuckerman, Adolph M., assignor.

Holder, Clinton H., Cranford, N. J., assignor to Standard Oil Development Company. Sustaining the activity of reforming catalysts. 2,386,050; Oct. 2.

Holm, Sven, Wellsville, assignor to The Air Preheater Corporation, New York, N. Y. Reel type bake oven. 2,385,919; Oct. 2.

Holmes, August, Cranford, N. J., and J. C. Roediger, Brooklyn, N. Y., assignors by mesne assignments, to Standard Catalytic Company. Building blocks. 2,386,163; Oct. 2.

Holthouse, Harry B., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Heating system. 2,386,115; Oct. 2.

Hooper, Ray L., Brevard, N. C., assignor to Ecusta Paper Corporation. Drying apparatus. 2,385,809; Oct. 2.

Hopkins, Nevil M., New York, N. Y.: R. B. Hopkins, executor of said N. M. Hopkins, deceased. Filling containers with explosive mixtures. 2,385,810; Oct. 2.

Hopkins, Raymond B., executor: See—

Hopkins, Nevil M.

Hopkins, Robert K., assignor to The M. W. Kellogg Company, New York, N. Y. Apparatus for producing metal bodies. 2,385,989; Oct. 2.

Horman, John H., Tuckahoe, assignor, by mesne assignments, to Smaller War Plants Corporation, New York, N. Y. Relay. 2,385,858; Oct. 2.

Hotchkiss, Clifford, assignor to Perfex Corporation, Milwaukee, Wis. Stoker control apparatus. 2,385,811; Oct. 2.

Hovey, Earl C.: See—

Wahl, John C., assignor.

Hoyt, Roy C., Duluth, Minn. Vehicle brake. 2,385,812; Oct. 2.

Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Pump. 2,385,990; Oct. 2.

Hunter, Willson H., Lakewood, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Frictional mechanism. 2,386,116; Oct. 2.

Huntton, Russell C., assignor to Solar Aircraft Company, San Diego, Calif. Anchor nut. 2,385,991; Oct. 2.

Hurley Electronic Controls Inc.: See—

Hurley, Raymond J., assignor.

Hurley, Raymond J., Kenilworth, assignor to Hurley Electronic Controls Inc., Chicago, Ill. Pressure responsive control instrument. 2,386,164; Oct. 2.

Hvid, Rasmus M., Wilmette, Ill. Engine piston construction. 2,386,117; Oct. 2.

Ihrig, Donald G., Evanston, Ill., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Battery-generator power supply system. 2,386,118; Oct. 2.

Iford Limited: See—

Kendall, J. D., and Fry, assignors.

Imperial Chemical Industries Limited: See—

Goodings, E. P., and Rogers, assignors.

Jesson, Walter F., assignor.

Rogers, Maurice A. T., assignor.

Interchemical Corporation: See—

Carman, E. F., and Reil, assignors.

Interior, the Government of the United States, as represented by the Secretary of the: See—

Lamb, F. D., and Banning, assignors.

International Mutoscope Corporation: See—

Lisiansky, Alexander, assignor.

International Standard Electric Corporation: See—

Deakin, Gerald, assignor.

Ipatieff, Vladimir N.: See—

Schmerling, L., and Ipatieff.

Jack, Norman H., Philadelphia, Pa. Continuously shielding wire in unlimited lengths. 2,386,119; Oct. 2.

Jacobson, Ernest, New York, N. Y. Magnetic attachment for articles of every day use. 2,385,859; Oct. 2.

James, Jolly, Melvindale, Mich. Vehicle signal. 2,386,120; Oct. 2.

Jasco, Incorporated: See—

Fasce, Egi V., assignor.

Jeffers, Edward C. and M. C., Chicago, Ill. Journal lubricating device. 2,386,121; Oct. 2.

Jeffers, Martin C.: See—

Jeffers, Edward C. and M. C.

Jenkins, John D., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Plasticization of plastics. 2,385,920; Oct. 2.

Jessen, Le Roy S., Dayton, Ohio. Emergency cable-cutter. 2,385,813; Oct. 2.

Jessen, Walter F., Walsall, England, assignor to Imperial Chemical Industries Limited. Apparatus for the treatment of metal and like articles with liquids or vapors for degreasing. 2,385,860; Oct. 2.

Jobe, Frederick W., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Visual acuity testing means. 2,385,992; Oct. 2.

Johnson, Charles F., Whittier, Calif., assignor to Reed Roller Bit Company, Houston, Tex. Valve. 2,385,993; Oct. 2.

Johnson, George A., et al., trustees: See—
Gelger, William A., assignor.

Johnston, Arthur J., Park Ridge, assignor to C. P. Clare & Co., Chicago, Ill. Relay. 2,385,994; Oct. 2.

Jones, John W., Jr., Los Angeles, Calif., assignor to Radio Corporation of America. Film marking system. 2,385,861; Oct. 2.

Jordan, John W., Port Allegany, assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Cellulation of plastics. 2,385,921; Oct. 2.

Judge, Franklin, Greenfield, Mass. Die holder. 2,385,922; Oct. 2.

Kamrath, Herbert G., Flint, assignor to General Motors Corporation, Detroit, Mich. Air cleaner and silencer assembly. 2,385,814; Oct. 2.

Kearney & Trecker Corporation: See—
Armitage, J. B., and Eserkain, assignors.

Keiser, Bernhard: See—
De Groot, M., and Keiser.

Keller, Ernst, assignor to J. R. Gelgy A. G., Basel, Switzerland. Stibene dyestuffs and their manufacture. 2,385,862; Oct. 2.

Kellogg, Edward W., Indianapolis, Ind., assignor to Radio Corporation of America. Film drum drive for photographic apparatus. 2,385,863; Oct. 2.

Kellogg, M. W., Company, The: See—
Hopkins, Robert K., assignor.

Kempton, Leslie A., assignor to Edison General Electric Appliance Co., Inc., Chicago, Ill. Volume control device. 2,386,051; Oct. 2.

Kendall, John D., and D. J. Fry, assignors to Ilford Limited, Ilford, England. Dyestuffs. 2,385,815; Oct. 2.

Klaucke, Hermann, Worcester, Mass., and R. G. Davis, assignors to Chain Belt Company, Milwaukee, Wis. Conveyor chain. 2,385,923; Oct. 2.

Klingens, Leendert, Martinez, assignor to Shell Development Company, San Francisco, Calif. Injector for conduits. 2,386,122; Oct. 2.

Kneibler, Arthur R., assignor to Cooper's, Incorporated, Kenosha, Wis. Undergarment. 2,385,995; Oct. 2.

Knoblock, Frederick D., Birmingham, assignor, by mesne assignments, to Patent Developers, Inc., Detroit, Mich. Differential mechanism. 2,385,864; Oct. 2.

Knudsen, Percy E., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Glass-lined containers for corrosive substances. 2,385,924; Oct. 2.

Kohl, William R., Glenview, Ill. Garment bag rack and bagger. 2,385,996; Oct. 2.

Kollmeyer, Margaret A., Milwaukee, Wis. Fountain brush. 2,385,865; Oct. 2.

Krupp, Carroll P., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Sealing closure. 2,385,816; Oct. 2.

Kuehner, George P., St. Louis, Mo. Container for perishable products. 2,385,866; Oct. 2.

Kuhlik, Hattie B.: See—
Kuhlik, Jacob M., assignor.

Kuhlik, Jacob M., assignor to H. B. Kuhlik, Brooklyn, N. Y. Throat microphone. 2,385,867; Oct. 2.

Kulp, Maurice P., Linwood, F. F. Morehead, West Chester, Pa., W. A. Slison, Silverdale, Del., and W. L. Webb, Glen Moore, Pa., assignors to American Viscose Corporation, Wilmington, Del. Apparatus for the production of artificial filaments. 2,386,173; Oct. 2.

Kunzle, August: See—
Heberlein, R., and Kunzle.

La Doal, Nicolas J.: See—
Lamendola, Nick J.

Laliberte, Albert J., Naugatuck, assignor to Safety-Fuel Incorporated, West Cheshire, Conn. Solidified normally liquid hydrocarbons. 2,385,817; Oct. 2.

Laliberte, Albert J., Naugatuck, assignor to Safety-Fuel, Inc., West Cheshire, Conn. Solidified normally liquid hydrocarbons. 2,385,818; Oct. 2.

Lamb, Frank D., Hyattsville, and L. Banning, Berwyn, Md., assignors to the Government of the United States, as represented by the Secretary of the Interior. Beneficiation of beryllium ores. 2,385,819; Oct. 2.

Lambert, Enoch E., assignor of one-half to C. A. Ritz, Otis, Ore. Chain saw tooth setting device. 2,385,868; Oct. 2.

Lamendola, Nick J., Des Moines, Iowa, now by judicial change of name N. J. La Doal. Drop plate vending machine. 2,386,123; Oct. 2.

Landberg, Erik G., assignor to Goulds Pumps, Inc., Seneca Falls, N. Y. Bearing. 2,386,165; Oct. 2.

Lane, Thomas P., Providence, R. I. Pile protector. 2,385,869; Oct. 2.

Lashar, Walter B., Fairfield, and R. F. Warren, Jr., Stratford, Conn. Cushion. 2,385,870; Oct. 2.

Laskin, Jacob E., Shaker Heights, Ohio. Arch bar clip. 2,386,124; Oct. 2.

Le Clair, Camille C. S., Ealing, London, England. Feed-in deicing liquids to air foil surfaces. 2,386,125; Oct. 2.

Leggett, Herbert, and Z. J. Pucci, Kansas City, Mo.; said Leggett assignor to said Pucci. Bottle carrier. 2,385,997; Oct. 2.

Leibow, Saul, Providence, R. I. Fluorescent maintenance apparatus. 2,385,820; Oct. 2.

Le Vesconte, Harold J., Glendale, Calif., assignor to Adel Precision Products Corp. Stamped lock nut. 2,385,821; Oct. 2.

Levin, Irvin: See—
Weisberg, S. M., and Levin.

Liebert, Dora, New York, N. Y. Combination garment. 2,385,871; Oct. 2.

Linde Air Products Company, The: See—
Hansen, O. A., and Riede, assignors.

Linscott, Leroy N., assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y. Apparatus for making pile products. 2,385,925; Oct. 2.

Linscott, Leroy N., assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y. Apparatus for feeding and cutting material into definite lengths. 2,385,926; Oct. 2.

Lisslansky, Alexander, New York, assignor to International Mutoscope Corporation, Long Island City, N. Y. Suction head. 2,386,166; Oct. 2.

Lockheed Aircraft Corporation: See—
Stanley, Kenneth, assignor.

Lomax, Clarence E., Chicago, Ill., assignor to Automatic Electric Laboratories, Inc. Telephone system. 2,386,126; Oct. 2.

Longfellow, Harold R., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing apparatus. 2,386,127; Oct. 2.

Ludwig, Carl L., Los Angeles, Calif. Multiple dispenser. 2,386,128; Oct. 2.

Lundin, Nils E.: See—
Olsson, J., and Lundin.

Lundy, Bertram F., Vancouver, British Columbia, Canada. Dehydrating apparatus. 2,386,052; Oct. 2.

Luxette Inc.: See—
Galley, Charles E., assignor.

Maack, Walter H., Collinsville, Ill. Self-attaching wire holder. 2,386,129; Oct. 2.

Mackelfresh, William E., Jr.: See—
Firks, T. H., and Mackelfresh.

Mahoney, Harry P., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,386,130; Oct. 2.

Malone, Homer E., assignor to Perfex Corporation, Milwaukee, Wis. Stoker damper control. 2,385,822; Oct. 2.

Malone, Homer E., assignor to Perfex Corporation, Milwaukee, Wis. Condition controller. 2,385,823; Oct. 2.

Marblehead Lime Company: See—
Wing, Wallace E., assignor.

Margolin, Nathan G., and E. M. Anderson, Brooklyn, N. Y., assignors of one-half to N. L. Dahlander, New Milford, Pa., and one-half to R. J. Earl, New Canaan, Conn. Debarcation ladder. 2,385,824; Oct. 2.

Marshall, John J., Ashland, Wis. Cradle rocking toy. 2,385,872; Oct. 2.

Martin, Clifford M., Denver, Colo. Stretching table. 2,385,998; Oct. 2.

Maschinenfabrik Scherer: See—
Slegenthaler, Walter, assignor.

Mason, Veyne V., Scotch Plains, N. J., assignor to Elastic Stop Nut Corporation of America. Nut or the like and blank therefor. 2,385,927; Oct. 2.

Mathison, Anders, Isleworth, assignor to Graviner Manufacturing Company Limited, Isleworth, Middlesex, England. Electrical fire preventing system for aircraft. 2,385,825; Oct. 2.

Mathison, Anders, assignor to Graviner Manufacturing Company Limited, Isleworth, England. Stopping and opening fluid containers. 2,385,826; Oct. 2.

McCallion, Hugh E., Roseville, Mich. Expanding reamer. 2,385,999; Oct. 2.

McClintock, Leslie A.: See—
Barthen, C. L., Peterson, and McClintock.

McCullough, Jack A.: See—
Eitel, W. W., and McCullough.

McCutchan, Helen, Detroit, Mich. Cookbook holder. 2,386,131; Oct. 2.

McElhinney, Eric M., Dysart, Iowa. Coupling device. 2,386,053; Oct. 2.

McGee, William N., Seattle, Wash. Projectile. 2,386,054; Oct. 2.

McGraw Electric Company: See—
Duerkob, Manfred P., assignor.

McKaba, Edward, Brooklyn, N. Y. Hyperbolic curve plotting apparatus. 2,385,827; Oct. 2.

McLarty, Frank W., Vernon, Tex. Amphibian vehicle. 2,386,132; Oct. 2.

McQuiston, Dwight D., Richmond, Ind., assignor to Bel-den Manufacturing Company. Molded strain relief. 2,386,000; Oct. 2.

Meacham, Larned A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call transmitter. 2,386,133; Oct. 2.

Mehline, Emile O., and W. Calvert, Seattle, Wash. Food-processing mechanism. 2,385,828; Oct. 2.

Meites, Leonard, Chicago, Ill. Water softening and washing product and preparing same. 2,385,928; Oct. 2.

Meites, Leonard, Chicago, Ill. Water softening and washing product and method of preparing same. 2,385,929; Oct. 2.

Melroe, Edward G., Gwinner, N. Dak. Harvester pick-up device. 2,385,829; Oct. 2.

Melton, Romie L., assignor to The Carborundum Company, Niagara Falls, N. Y. Forming web material. 2,385,873; Oct. 2.

Merck & Co., Inc.: See—
Weilhard, J., and Messerly, assignors.

Mermis, William L., Youngstown, Ohio. Surgical fixture. 2,386,134; Oct. 2.

Messerly, John P.: See—
Weilhard, J., and Messerly.

Metro, Anthony J., Detroit, Mich. Height gauge. 2,385,874; Oct. 2.

Michlana Products Corporation: See—
Nygren, Carl, assignor.

Miner, Alice T., et al., trustees: See—
Geiger, William A., assignor.

Miner, W. H., Inc.: See—
Dath, George E., assignor.

Miner, William H., Foundation: See—
Geiger, William A.

Mittag, Albert H., and A. Schmidt, Jr., assignors to General Electric Company, Schenectady, N. Y. Electric valve translating apparatus and operation. 2,386,068; Oct. 2.

Monarch Rubber Company, The: See—
Church, Herman S., assignor.

Moore, Alexander W., and F. B. Moran, Trail, H. L. Christian, Rossland, British Columbia, and D. D. Morris, Calgary, Alberta, assignors to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Mold and method for casting electrolytic cells. 2,385,830; Oct. 2.

Moore, Robert J.: See—
Morris, R. C., and Moore.

Moore, Ward H., Ames, Iowa. Trap. 2,385,875; Oct. 2.

Moorhead, Gladys, Ottawa, Ontario, Canada. Colostomy apparatus. 2,385,876; Oct. 2.

Moran, Frank H.: See—
Moore, A. W., Moran, Christian, and Morris.

Morehead, Frederick F.: See—
Kulp, M. P., Morehead, Slisson, and Webb.

Morgan, Murray, Hoboken, N. J. Chest protector. 2,385,877; Oct. 2.

Morris, Darcy D.: See—
Moore, A. W., Moran, Christian, and Morris.

Morris, Rupert C., and R. J. Moore, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of dienes. 2,386,135; Oct. 2.

Mostello, Anthony J.: See—
Daniels, R. S., and Mostello.

Mottern, Henry O., Elizabeth, N. J., assignor to Standard Oil Development Company. Separation of tertiary olefins from hydrocarbon mixtures. 2,386,055; Oct. 2.

Mullgardt, Alexander S., assignor to Cherry Rivet Company, Los Angeles, Calif. Rivet manufacture. 2,385,831; Oct. 2.

Murray, Otis W., South River, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic article of manufacture. 2,386,167; Oct. 2.

Muskat, Irving E., and F. Strain, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Polybasic acid-polyhydric alcohol esters and polymers thereof. 2,385,930; Oct. 2.

Muskat, Irving E., Akron, and F. Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated esters and polymers thereof. 2,385,931; Oct. 2.

Muskat, Irving E., Akron, and F. Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Co., Pittsburgh, Pa. Unsaturated esters and polymers thereof. 2,385,932; Oct. 2.

Muskat, Irving E., Akron, and F. Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated alcohol esters of triethylene glycol bis (acid carbonate) and polymers thereof. 2,385,933; Oct. 2.

Muskat, Irving E., Akron, and F. Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Co., Pittsburgh, Pa. Unsaturated esters and polymers thereof. 2,385,934; Oct. 2.

Musselman, John M., South Euclid, assignor to The Standard Oil Company, Cleveland, Ohio. Composition of matter suitable for use as a lubricant and lubricant comprising the same. 2,385,832; Oct. 2.

Nahigyan, Kevork K., Hampton, Va. Fuel vaporizer for jet propulsion units. 2,385,833; Oct. 2.

Nallinger, Fritz, Stuttgart, and A. Berger, Stuttgart-Oberurkeim, Germany; vested in the Allen Property Custodian. Liquid clutch transmission. 2,385,834; Oct. 2.

Nash-Kelvinator Corporation: See—
Armstrong, George M., assignor.

National Automotive Fibres, Inc.: See—
Farris, H. P., and White, assignors.

National Bank of Bloomington, The, et al., executors: See—
Cornish, Irving R., assignor.

National Blank Book Company: See—
Schade, John, assignor.

National Oil Products Company: See—
Davis, G. D., and Barth, assignors.

Neal, Ernest C., assignor of one-half to E. Brandell, Chicago, Ill. Lever construction. 2,385,835; Oct. 2.

Nedvedsky, Vladimir A.: See—
Taylor, H. F., and Nedvedsky.

Newell, Heber L., Bridgeport, Conn., assignor to General Electric Company. Electrical connection means. 2,386,056; Oct. 2.

Newman, John M.: See—
Harwood, P. B., and Newman.

New York Air Brake Company, The: See—
Huber, Matthew W., assignor.

Nicoll, Louis L. D., Garwood, N. J. Foul marker for use by football officials. 2,385,878; Oct. 2.

Noble, Frank G., Houston, Tex., assignor to Standard Oil Development Company. Recovering gasoline. 2,386,057; Oct. 2.

Noma Electric Corporation: See—
Wisoff, Isaac J., assignor.

Norkin, Morris, and A. Savitzky, New York, N. Y. Apparatus and method for manufacturing slide fasteners. 2,385,836; Oct. 2.

Nygren, Carl, assignor to Michlana Products Corporation, Michigan City, Ind. High temperature fan. 2,385,837; Oct. 2.

Nygren, Carl, assignor to Michlana Products Corporation, Michigan City, Ind. High temperature fan. 2,385,838; Oct. 2.

O'Brien, Joseph F., Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Electrical conductor unit assemblies. 2,385,839; Oct. 2.

Ochsenbein, Walter, assignor to Hasler A.-G. Werke für Telefonie und Präzisions-mechanik, Berne, Switzerland. Circuit breaker and ignition timing device. 2,386,136; Oct. 2.

O'Connor, Arthur F., Chicago, Ill., assignor to Union Asbestos & Rubber Company. Air circulating means for refrigerator cars. 2,386,002; Oct. 2.

Oerman, Orey W., assignor to Deere & Company, Moline, Ill. Two-way plow. 2,385,935; Oct. 2.

Olin Industries, Inc.: See—
Hanes, Merle H., assignor.

Olsson, John, Stockholm, and N. E. Lundin, Mölle, Sweden. Device for automatic braking in lowering of objects, such as boat tackle. 2,386,137; Oct. 2.

Osgood, Charles F., Jr.: See—
Watt, B. L., and Osgood.

Overall, E. C.: See—
Spivey, Frank L., assignor.

Owens-Corning Fiberglass Corporation: See—
Collins, Howard W., assignor.

Owens, Freeman H., New York, N. Y. Program preselecting and control apparatus. 2,385,840; Oct. 2.

Ozol, Rudolph J.: See—
Patterson, J. A., and Ozol.

Page, John, and L. T. J., Leicester, England. Darning machine. 2,385,936; Oct. 2.

Page, Leslie T. J.: See—
Page, John and L. T. J.

Pampinella, Antonino, Rome, Italy; vested in the Alien Property Custodian. Tipping gravity davit for lifeboats. 2,385,841; Oct. 2.

Pancher, Harry E., assignor to A. G. Redmond Co., Owosso, Mich. Motor rotor and making the same. 2,386,138; Oct. 2.

Parrigin, Frank S., Louisville, Ky. Syringe. 2,386,001; Oct. 2.

Patent Button Company, The: See—
Clarke, Rollin R., assignor.

Peterson, F. H., and Clarke, assignors.

Patent Developers, Inc.: See—
Knoblock, Frederick D., assignor.

Pattberg, Theodore H., Woodhaven, N. Y. Cigarette or cigar lighter. 2,386,168; Oct. 2.

Patterson, John A., Westfield, and R. J. Ozol, Elizabeth, N. J., assignors to Standard Oil Development Company. Purification of organic liquids. 2,386,058; Oct. 2.

Patton, Carl W., Palisades Park, N. J., assignor to Carbide and Carbon Chemicals Corporation. Composition for surgical and medical preparations. 2,385,879; Oct. 2.

Paxton, Arlie L., et al.: See—
Cornish, Irving R., assignor.

Paxton, George N., et al.: See—
Cornish, Irving R., assignor.

Paxton, John W., et al.: See—
Cornish, Irving R., assignor.

Peck, Wesley R., Sacramento, Calif. Compensating poppet valve. 2,386,003; Oct. 2.

Peery, Norman E., assignor to Shell Development Company, San Francisco, Calif. Contacting vapors or gases with finely divided contact materials. 2,386,169; Oct. 2.

Penn Electric Switch Co.: See—
Shaw, Burton E., assignor.

Perfex Corporation: See—
Hotchkiss, Clifford, assignor.

Malone, Homer E., assignor.

Peterson, Frederick H., Watertown, and R. R. Clarke, assignors to The Patent Button Company, Waterbury, Conn. Snap fastener. 2,385,880; Oct. 2.

Peterson, Hillis S., assignor to Higgins Industries, Incorporated, New Orleans, La. Vibration-reducing control unit. 2,385,881; Oct. 2.

Peterson, Joel B.: See—

Barthen, C. L., Peterson, and McClintock.

Petrolite Corporation, Ltd.: See—

De Groote, M., and Keiser, assignors.

Philco Radio and Television Corporation: See—

Bingley, F. J., and Bradley, assignors.

Bobb, Lloyd J., assignor.

Phillips Petroleum Company: See—

Bergen, Daniel E., assignor.

Foster, Arch L., assignor.

Plechowski, Leona, Milwaukee, assignor of one-half to A. Hafemeister, Wauwatosa, Wis. Emergency umbrella. 2,385,937; Oct. 2.

Pierce, Edwin G., Cleveland, Ohio. Gas filter. 2,385,938; Oct. 2.

Pierce, John B., Foundation: See—

O'Brien, Joseph F., assignor.

Pittsburgh Corning Corporation: See—

Jordan, John W., assignor.

Pittsburgh Plate Glass Company: See—

Chenick, Albert G., assignor.

Jenkins, John D., assignor.

Knudsen, Percy E., assignor.

Muskat, I. E., and Strain, assignors.

Tarnopol, Milton S., assignor.

Pneumatic Scale Corporation, Limited: See—

Everett, Arthur C., assignor.

Pollock, William A., Long Beach, Calif. Cable guide. 2,385,939; Oct. 2.

Potoczky, Joseph B., Silver Spring, Md. Hanger attachment for ladies' garments. 2,386,050; Oct. 2.

Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Telegraph system. 2,386,004; Oct. 2.

Powell, Alric H., Yeadon, Pa., assignor to General Electric Company. Fuse unit. 2,386,060; Oct. 2.

Pratt, Arthur J., Belmont, assignor to American Optical Company, Southbridge, Mass. Spectacle case. 2,385,842; Oct. 2.

Price, Donald, New York, N. Y., and R. L. Bond, Cranford, assignors to National Oil Products Company, Harrison, N. J. Amino-methylene derivatives of salicylamide and process therefor. 2,385,940; Oct. 2.

Pucci, Zeno J.: See—

Leggett, H., and Pucci.

Rabinowitz, Louis M.: See—

Ruysdael, Basil, assignor.

Radio Corporation of America: See—

Jones, John W., Jr., assignor.

Kellogg, Edward W., assignor.

Sziklal, George C., assignor.

Witty, William M., assignor.

Randol, Glenn T., St. Louis, Mo. Change-speed transmission control means. 2,386,174; Oct. 2.

Rasmussen, Viggo, Minneapolis, Minn. Ironing board. 2,386,139; Oct. 2.

Raup, Clyde N., Catawissa, Pa. Self leveling caster. 2,386,005; Oct. 2.

Redmond A. Co.: See—

Pancher, Harry E., assignor.

Reece Button Hole Machine Company, The: See—

Althens, Herbert E., assignor.

Reed Roller Bit Company: See—

Johnson, Charles F., assignor.

Reil, Walther: See—

Carman, E. F., and Reil.

Rennie, Robert F., Little Falls, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reduction of ammonium molybdate. 2,385,843; Oct. 2.

Research Corporation: See—

Cohn, E. J., and Ferry, assignors.

Ferry, John D., assignor.

Resinous Products & Chemical Company, The: See—

Brunson, Herman A., assignor.

Reynolds, Noel S., St. Louis, Mo. Seal. 2,385,941; Oct. 2.

Rhees, William B., Augusta, Kans. Oil treater. 2,386,061; Oct. 2.

Riede, Peter M.: See—

Hansen, O. A., and Riede.

Ritz, Charles A.: See—

Lambert, Enoch E., assignor.

Rockwell, Edward A., West Hartford, Conn. Travel control valve system. 2,385,942; Oct. 2.

Roediger, Joseph C.: See—

Holmes, A., and Roediger.

Roehr, Bruno C., Binghamton, assignor to General Alline & Film Corporation, New York, N. Y. Package for rolls of flexible material. 2,386,062; Oct. 2.

Rogers, Maurice A. T.: See—

Goodings, E. P., and Rogers.

Rogers, Maurice A. T., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Water-repellency agents and making and using the same. 2,386,140; Oct. 2.

Rogers, Maurice A. T., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Treating textile materials. 2,386,141; Oct. 2.

Rogers, Maurice A. T., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Quaternary ammonium salts and making the same. 2,386,142; Oct. 2.

Rogers, Maurice A. T., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Treating textile materials. 2,386,143; Oct. 2.

Roiker, Edwin, assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Article weighing and handling apparatus. 2,385,882; Oct. 2.

Rosenstengel, Bernard L., Brisbane, Queensland, Australia. Apparatus for producing power. 2,385,943; Oct. 2.

Ruecker, Ernest C., Marquette, Mich. Snowshoe slipper. 2,385,944; Oct. 2.

Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Saturated terpene resins. 2,386,063; Oct. 2.

Russell, Harlow M.: See—

Sidebotham, Melvin H., assignor.

Rust, John B., Verona, N. J., assignor to Ellis-Foster Company. Textile sizing compositions and making them. 2,386,144; Oct. 2.

Ruysdael, Basil, assignor of one-half to L. M. Rabinowitz, New York, N. Y. Dividing mechanism. 2,386,145; Oct. 2.

Ryan, John D.: See—

Erickson, A. M., and Ryan, assignors.

Safety-Fuel Incorporated: See—

Laliberte, Albert J., assignor.

Safford, Lewis A., Watertown, N. Y., assignor to The New York Air Brake Company. Sander. 2,386,006; Oct. 2.

Safticycles, Inc.: See—

Erickson, Emil H., assignor.

Saler, Jules N., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Liquid congealing apparatus. 2,386,064; Oct. 2.

Salvin, Victor S.: See—

Seymour, G. W., and Salvin.

Samiran, David, Osborn, Ohio. Automatic suction relief valve and audible signal for tank car segregators. 2,385,844; Oct. 2.

Satchwell, Leonard, Marlow, England. Electric resistance grid. 2,386,065; Oct. 2.

Savage, W. J., Company, Inc.: See—

Fulton, Weston M., assignor.

Savitzky, Abraham: See—

Norkin, N., and Savitzky, assignors.

Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Making metal parts for ring binders. 2,385,883; Oct. 2.

Schaiter, George S., assignor to Boeing Aircraft Company, Seattle, Wash. Aircraft with high-speed stability. 2,385,845; Oct. 2.

Schlabach, Raymond M., Canton, Ohio. Glass cleaner. 2,386,066; Oct. 2.

Schlenker, Rudolf E., Lynnfield, Mass., assignor to General Electric Company. Elastic fluid turbine arrangement. 2,386,067; Oct. 2.

Schmerling, Louis, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Production of aromatic ketones. 2,386,007; Oct. 2.

Schmidt, August, Jr.: See—

Mittag, A. H., and Schmidt.

Schmidt, Francis W., Chicago, Ill. Stylus. 2,385,945; Oct. 2.

Schneider, Max, Brooklyn, N. Y. Skin assembling method and product. 2,385,884; Oct. 2.

Schorer, Otto J., Northampton, Mass., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Feeding mechanism. 2,385,946; Oct. 2.

Schurich, Jacob H., assignor to Angelus Sanitary Can Machinery Co., Los Angeles, Calif. Can double seaming machine. 2,386,069; Oct. 2.

Sciaky, David, assignor to Welding Research, Inc., Chicago, Ill. Method and apparatus for resistance welding. 2,385,947; Oct. 2.

Scovill Manufacturing Company: See—

Wild, Henry W., assignor.

Sealed Power Corporation: See—

Young, Edwin C., assignor.

Sealtest, Inc.: See—

Weisberg, S. M., and Levin, assignors.

Seeger Refrigerator Company: See—

Swedman, Enoch, assignor.

Selfert, William C., Narberth, assignor to Electric Heating Equipment Company, Philadelphia, Pa. Apparatus for heating fluids. 2,385,846; Oct. 2.

Servel, Inc.: See—

Stangle, William H., assignor.

Setera, Theodore J., Maspeth, assignor of one-half to J. Gillman, Jamaica, Long Island, N. Y. Slide rule. 2,385,948; Oct. 2.

Seymour, George W., and V. S. Salvin, Cumberland, Md., assignors to Celanese Corporation of America. Discharge printing of cellulose acetate. 2,385,885; Oct. 2.

Shaff, Ernest H., Spring Lake, Mich., assignor to Cherry Rivet Company, Los Angeles, Calif. Rivet. 2,385,886; Oct. 2.

Shank, Clifford A., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Torque measuring device. 2,386,008; Oct. 2.

Shaeffer, George D., assignor to Gar Wood Industries, Inc., Detroit, Mich. Milling fixture. 2,386,146; Oct. 2.

Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Switch unit. 2,385,887; Oct. 2.

Shell Development Company: See—

Archibald, R. C., and Trimble, assignors.

Klingen, Leendert, assignor.

Morris, R. C., and Moore, assignors.

Peery, Norman E., assignor.

Sidebotham, Melvin H., Newton, assignor of one-half to H. M. Russell, Chelsea, Mass. Method and machine for punching out articles from strips. 2,386,147; Oct. 2.

Sidley, William P., et al., trustees: See—

Gelger, William A., assignor.

Siegenthaler, Walter, Erlenbach, near Zurich, assignor to Maschinenfabrik Scharer, Erlenbach, Zurich, Switzerland. Winding machine for producing tubular cops. 2,385,949; Oct. 2.

Silver, Walter H., assignor to Deere & Company, Moline, Ill. Cultivator. 2,385,950; Oct. 2.

Simplex Valve and Meter Company: See—

Borden, Moro M., assignor.

Singer Manufacturing Company, The: See—

Zonis, Sydney, assignor.

Sippel, John J., Upper Darby, assignor to H. W. Butterworth & Sons Company, Philadelphia, Pa. Builder motion. 2,385,888; Oct. 2.

Sisson, Wayne A.: See—

Kulp, M. P., Moorehead, Sisson, and Webb.

Skar, Adolph, Minneapolis, Minn. Vacuum release stopper. 2,385,847; Oct. 2.

Skavinsky, Anthony, Bronx, N. Y. Helicopter. 2,385,889; Oct. 2.

Smaller War Plants Corporation: See—

Ebert, Joseph F., assignor.

Horman, John H., assignor.

Smith, Alexander, & Sons-Carpet Company: See—

Linscott, Leroy N., assignor.

Smith, Charles C., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Treating strand materials. 2,386,148; Oct. 2.

Smith, Frank B.: See—

Coleman, G. H., and Smith.

Smith, Frank B., and J. N. Hansen, assignors to The Dow Chemical Company, Midland, Mich. Amine salts of dinitrophenols. 2,385,848; Oct. 2.

Smith, Graydon, Concord, assignor to Electricoaker, Inc., Newburyport, Mass. Electric cooking apparatus. 2,386,009; Oct. 2.

Smith, Ward L., Hudson, assignor to Electric Controller & Manufacturing Company, Cleveland, Ohio. Electromagnetic control. 2,386,149; Oct. 2.

Snell, Foster D., and A. F. Guiteras, assignors to Chemsearch Corporation, New York, N. Y. Esters. 2,385,849; Oct. 2.

Solar Aircraft Company: See—

Huntton, Russell C., assignor.

Spanagel, Edgar W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Spinning process. 2,385,890; Oct. 2.

Spiegel, Jacob, Philadelphia, Pa. Landing stabilizer for aircraft. 2,385,850; Oct. 2.

Spivey, Frank L., deceased, assignor of one-half to E. C. Overall, San Antonio, Tex.; H. F. Spivey, administratrix. Poultry and live stock feeder. 2,386,010; Oct. 2.

Spivey, Hazel F., administratrix: See—

Spivey, Frank L.

Standard Catalytic Company: See—

Holmes, A., and Roediger, assignors.

Standard Oil Company, The: See—

Musselman, John M., assignor.

Standard Oil Development Company: See—

Campbell, Donald L., assignor.

Holder, Clinton H., assignor.

Mottern, Henry O., assignor.

Noble, Frank G., assignor.

Patterson, J. A., and Ozol, assignors.

Standard Steel Works: See—

Wills, Marion C., assignor.

Stangle, William H., deceased, by Citizens Trust & Savings Bank, Evansville, Ind., administrator, assignor to Servel, Inc., New York, N. Y. Stationary broiling rack. 2,386,070; Oct. 2.

Stanley, Kenneth, North Hollywood, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation. Connector wrench. 2,386,011; Oct. 2.

Stelzer, William, Detroit, Mich., assignor, by mesne assignments, to Stoffel Seals Company, Incorporated, New York, N. Y. Sealing machine. 2,385,951; Oct. 2.

Stephenson, Hugh M., Ft. Wayne, Ind., assignor to General Electric Company. Clutch construction. 2,386,071; Oct. 2.

Stewart, Enos A., Canton, Ohio. Making sponge iron. 2,386,072; Oct. 2.

Stewart, John H., Canton, Ohio. Reducing ores and oxides. 2,386,073; Oct. 2.

Stoffel Seals Company, Incorporated: See—

Stelzer, William, assignor.

Strain, Franklin: See—

Muskat, I. E., and Strain.

Street, Donald T., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic instrument. 2,386,012; Oct. 2.

Sullivan, David J.: See—

Edgar, D. E., and Sullivan.

Sullivan Machinery Company: See—

Curtis, John C., assignor.

Superior Steel Corporation: See—

Carlson, William A., assignor.

Svoboda, Antonin, Forest Hills, N. Y. Fire director apparatus for antiaircraft guns. 2,385,952; Oct. 2.

Swanson, Alfred J., Los Angeles, Calif. Hydraulic control. 2,385,891; Oct. 2.

Swanson, David A., Chicago, Ill. Front hanger for convertible tandem bicycles. 2,385,892; Oct. 2.

Swanstrom, Carl A., Maplewood, assignor to Elastic Stop Nut Corporation, Elizabeth, N. J. Nut. 2,385,851; Oct. 2.

Swanstrom, Klas A., assignor to Elastic Stop Nut Corporation, Union, N. J. Self locking coupling nut. 2,385,953; Oct. 2.

Swedman, Enoch, assignor to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator and tray construction. 2,386,150; Oct. 2.

Swenson, Carl E., Rockford, Ill. One-way clutch. 2,386,013; Oct. 2.

Sziklal, George C., Princeton, N. J., assignor to Radio Corporation of America. Color television. 2,386,074; Oct. 2.

Takac, Louis P., Jr., Chicago, Ill. Adjustable dog stop release for turret lathes. 2,386,014; Oct. 2.

Tanaka, Nawokich, New York, N. Y. Refraction means for presenting pictures. 2,386,075; Oct. 2.

Tarnopol, Milton S., Brackenridge, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Glass tank. 2,385,954; Oct. 2.

Taylor, Harden F., and V. A. Nedsvedsky, assignors to The Atlantic Coast Fisheries Company, New York, N. Y. Apparatus for removing individual units. 2,386,076; Oct. 2.

Taylor, Henry A., Dorchester, Mass. Structural connector. 2,385,893; Oct. 2.

Taylor, Robert J., Claymont, assignor to American Viscose Corporation, Wilmington, Del. Handling filamentary materials. 2,385,894; Oct. 2.

Teletype Corporation: See—

Potts, Louis M., assignor.

Texas Company, The: See—

Herzog, Gerhard, assignor.

Winkelmann, Samuel A., assignor.

Thev, Shovel Company, The: See—

Zelman, Roy H., assignor.

Thompson, Charles W., Sullivan, Colo. Machine gun hanger. 2,386,015; Oct. 2.

Thompson Products Inc.: See—

Venditty, Anthony, assignor.

Tomlinson, George H., Westmount, Quebec, Canada. Manufacture of sulphite pulp. 2,385,955; Oct. 2.

Tramontini, Vernon N., Chicago, Ill., assignor to United States Beet Sugar Association, Washington, D. C. Beet lifter. 2,385,895; Oct. 2.

Transcontinental & Western Air, Inc.: See—

Ayres, Ralph C., assignor.

Trautvetter, George, Jenkintown, assignor to Heints Manufacturing Company, Philadelphia, Pa. Window structure. 2,386,151; Oct. 2.

Trimble, Robert: See—

Archibald, R. C., and Trimble.

Turnbull, Stockton G., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hormone derivatives. 2,385,852; Oct. 2.

Turnbull, Stockton G., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing hormones. 2,385,853; Oct. 2.

Turner, George F.: See—

Harper, P. S., and Turner.

Turner, Howard H., assignor of thirty-five per cent to J. A. Turner, Lawndale, Calif. Door construction. 2,386,016; Oct. 2.

Turner, Joseph A.: See—

Turner, Howard H., assignor.

Union Asbestos & Rubber Company: See—

O'Conner, Arthur F., assignor.

United States Beet Sugar Association: See—

Tramontini, Vernon N., assignor.

United States Rubber Company: See—

Harkins, Henry H., assignor.

Universal Oil Products Company: See—

Friedman, Bernard S., assignor.

Schmerling, L., and Ipatieff, assignors.

University of Minnesota, Regents of the: See—

Wilson, C. O., and Boothe, assignors.

Van Norman, Charles B. K., Vancouver, British Columbia, Canada. Collapsible roof unit. 2,386,077; Oct. 2.

Venditty, Anthony, Detroit, Mich., assignor to Thompson Products Inc., Cleveland, Ohio. Universal joint. 2,386,017; Oct. 2.

Von Beckerath, Hans, Berlin, Germany; vested in the Allen Property Custodian. Piezoelectric device. 2,385,896; Oct. 2.

Wahl, John C., Chicago, Ill., assignor to C. E. Hovey, Kansas City, Mo. Apparatus for opening and emptying capped bottles. 2,386,152; Oct. 2.

LIST OF PATENTEEES

Warren, Richard F., Jr.: See—
Lashar, Walter B., assignor.
Warren, S. D., Company: See—
Woodward, F. C., assignor.
Waters, Harry F., New York, N. Y. Continuous filling and packaging machine. 2,385,897; Oct. 2.
Waters, Harry F., New York, N. Y. Snap-down bottom, flat-folded paperboard container. 2,385,898; Oct. 2.
Watt, Burton L., Marquette, Mich., and C. F. Osgood, Jr., Hohokus, N. J., assignors to General Strapping Corporation, New York, N. Y. Band tightening and sealing tool. 2,386,153; Oct. 2.
Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Airfoil construction. 2,386,170; Oct. 2.
Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Making aircraft structures. 2,386,018; Oct. 2.
Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Truss structure and parts thereof. 2,386,019; Oct. 2.
Webb, Wesley L.: See—
Kulp, M. P., Morehead, Sisson, and Webb.
Weber, Max, Chicago, Ill. Propeller. 2,386,154; Oct. 2.
Weijlard, John, Westfield, and J. P. Messerly, Clark Township, Union County, assignors to Merck & Co., Inc., Rahway, N. J. Production of diphenyl sulphones. 2,385,899; Oct. 2.
Weisberg, Samuel M., and I. Levin, assignors to Sealtest, Inc., Baltimore, Md. Electropolishing bath. 2,386,078; Oct. 2.
Weiskopf, Edwin C., New York, N. Y. Automatic immersion apparatus. 2,386,079; Oct. 2.
Welding Research, Inc.: See—
Schlaky, David, assignor.
Wendelken, Frederick S., assignor to F. K. Wendelken, Denver, Colo. Sectional surface drain conduit. 2,386,020; Oct. 2.
Wendelken, Frederick K.: See—
Wendelken, Frederick S., assignor.
Western Electric Company, Incorporated: See—
Bouget, Yves A., assignor.
Longfellow, Harold R., assignor.
Smith, Charles C., assignor.
Westinghouse Electric Corporation: See—
Rennie, Robert F., assignor.
Saler, Jules N., assignor.
Wetmore, Earnest M., Tonkawa, Okla. Screen for hammer type feed grinders. 2,386,021; Oct. 2.
Weyer, Henry A., assignor to Chambersburg Engineering Company, Chambersburg, Pa. Drop hammer frame construction. 2,386,155; Oct. 2.
White, John E.: See—
Farls, H. P., and White.
White Laboratories, Inc.: See—
Barthen, C. L., Peterson, and McClintock, assignors.
Wiggins, John H., Chicago, Ill. Floating roof for liquid storage tanks. 2,386,022; Oct. 2.
Wild, Henry W., assignor to Scovill Manufacturing Company, Waterbury, Conn. Terminal post. 2,386,171; Oct. 2.
Williams, Alfred O., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Brake construction. 2,386,023; Oct. 2.
Williams, Edward C., Peterborough, Ontario, Canada. Loose-leaf binder. 2,386,024; Oct. 2.
Williams, Harry A., Glenside, Pa., assignor to Bendix Aviation Corporation, Teterboro, N. J. Fluid flow meter. 2,385,901; Oct. 2.

Wills, Marion C., Topeka, Kans., assignor to Standard Steel Works, North Kansas City, Mo. Mounting for road rollers and similar devices. 2,386,025; Oct. 2.
Wilson, Charles O., St. Paul, Minn., and J. H. Boothe, Pearl River, N. Y., assignors to Regents of the University of Minnesota, Minneapolis, Minn. Thio-barbiturates. 2,386,026; Oct. 2.
Wilson, Harry C., Huntington Park, assignor to R. H. Clark, Los Angeles, Calif. Fixture for grinding thread-cutting tools. 2,385,902; Oct. 2.
Wing, Wallace E., assignor to Marblehead Lime Company, Chicago, Ill. Separating magnesite from dolomite. 2,386,027; Oct. 2.
Wingfoot Corporation: See—
Hardman, Albert F., assignor.
Winkelmann, Samuel A., West Columbia, Tex., assignor to The Texas Company, New York, N. Y. Water treatment. 2,385,903; Oct. 2.
Winters & Crampton Corporation: See—
Anderson, Lloyd L., assignor.
Wisoff, Isaac J., Brooklyn, assignor to Noma Electric Corporation, New York, N. Y. Apparatus for turning out decorative material. 2,386,172; Oct. 2.
Withall, Albert P., et al., trustees: See—
Geiger, William A., assignor.
Witt, Walter, Brooklyn, N. Y. Collapsible stool. 2,385,900; Oct. 2.
Witty, William M., Haddonfield, N. J., assignor to Radio Corporation of America. Electrical heating apparatus. 2,385,904; Oct. 2.
Wognum, James N., assignor to Acme Steel Company, Chicago, Ill. Dispensing device. 2,385,956; Oct. 2.
Woltersperger, John J., Webster Groves, Mo. Gas burner. 2,385,854; Oct. 2.
Woodard, Phebe H., executrix: See—
Woodard, William E., assignor.
Woodard, William E., deceased, Forest Hills, N. Y., P. H. Woodard, executrix, assignor to P. H. Woodard, individually. Locomotive power reverse gear. 2,385,957; Oct. 2.
Woodward, Faunce C., Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Air doctor. 2,386,156; Oct. 2.
Worthington Pump and Machinery Corporation: See—
Schorer, Otto J., assignor.
Woxén, Ragnar, Lidings, assignor to Aktiebolaget C. E. Johansson, Eskilstuna, Sweden. Hardness measuring apparatus. 2,385,958; Oct. 2.
Yeomans Brothers Company: See—
Yeomans, Charles, assignor.
Yeomans, Charles, Hubbard Woods, assignor to Yeomans Brothers Company. Air compressor and apparatus operated thereby. 2,385,905; Oct. 2.
Yingling, Frank B., Hamilton, Ohio. Valve operating mechanism. 2,385,959; Oct. 2.
Young, Edwin C., assignor to Sealed Power Corporation, Muskegon, Mich. Centrifugal pot casting. 2,386,028; Oct. 2.
Zellman, Roy H., assignor to The Thew Shovel Company, Lorain, Ohio. Line take-up for power shovels, cranes, and the like. 2,385,906; Oct. 2.
Zonis, Sydney, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Rotary take-up mechanism for sewing machines. 2,385,960; Oct. 2.
Zuckerman, Adolph M., assignor to R. Hoe & Co., Inc., New York, N. Y. Intaglio web printing machine. 2,386,029; Oct. 2.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 2D DAY OF OCTOBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Refrigerating system. O. C. Oliver. Re. 22,677; Oct. 2.

LIST OF DESIGN INVENTIONS

Airplane. L. E. Oliver. 142,492; Oct. 2.
Bookmark and greeting card, Combined. J. V. Scott. 142,500; Oct. 2.
Box or similar article, Display. M. Walhimer. 142,504; Oct. 2.
Brooch, compact, lipstick, and comb, Combined. R. L. Flisk. 142,473; Oct. 2.
Brooch or similar article. A. Katz. 142,483; Oct. 2.
Casing, Slide viewer. R. A. Hartley. 142,478; Oct. 2.
Clip or similar article, Hair. G. Goldman. 142,470; Oct. 2.
Clothespin. W. L. Scharf. 142,499; Oct. 2.
Cutter, Vegetable. F. W. Eames. 142,472; Oct. 2.
Desk. I. R. Cornish. 142,470; Oct. 2.
Dominoes, Set of. J. Neiser. 142,491; Oct. 2.
Frame, Multiple picture. I. B. Sherr. 142,501; Oct. 2.
Frame, Picture. E. D. Kissling. 142,484; Oct. 2.
Frame, Spectacle. E. and A. Barrett. 142,463; Oct. 2.
Frame, Spectacle. E. and A. Barrett. 142,464; Oct. 2.
Handbag. L. Kaphan. 142,482; Oct. 2.
Handbag. I. Pichel. 142,495; Oct. 2.
Hanger, Clothes. D. R. Anderson. 142,462; Oct. 2.
Heater, for stock tanks and the like, Electric water. B. W. Warner. 142,505; Oct. 2.
Holder or article of similar nature, Candle. C. L. Fordyce. 142,474; Oct. 2.
Housing for electrical apparatus. E. O. Gagusk. 142,475; Oct. 2.
Housing, Rectifier. W. S. Master. 142,487; Oct. 2.

Light for automobiles, Signal. D. Smith. 142,503; Oct. 2.
Lighting fixture, Fluorescent. C. X. Meyer. 142,488; Oct. 2.
Mug. H. H. Berne. 142,465; Oct. 2.
Padlock, Permutation. G. E. B. Jakopets. 142,481; Oct. 2.
Pin or similar article. M. I. Koven. 142,485-6; Oct. 2.
Pin or similar article, Jewelry. F. Morrow. 142,489; Oct. 2.
Pottery piece. S. V. Murray. 142,490; Oct. 2.
Power unit. O. R. and R. A. Peterson. 142,494; Oct. 2.
Press, Printing. C. S. Crafts. 142,471; Oct. 2.
Rack and pincushion, Combined sewing. A. A. Grimsby. 142,477; Oct. 2.
Receptacle or similar article, Mail. T. B. Owens. 142,493; Oct. 2.
Scaffold unit. L. A. Reiner. 142,496; Oct. 2.
Scarf or similar article. J. Brodigan. 142,469; Oct. 2.
Scoop or similar article. N. E. Hopkins. 142,480; Oct. 2.
Sharpener and can opener, Combination knife. R. Boettinger. 142,466; Oct. 2.
Sharpener, Knife. R. Boettinger. 142,467; Oct. 2.
Shoe. M. Wolock. 142,461; Oct. 2.
Shoe. M. Wolock. 142,506-7; Oct. 2.
Siding unit or the like, Building. W. J. Heinning. 142,479; Oct. 2.
Stand or similar article for jewelry and the like, Display. M. Salinger. 142,498; Oct. 2.
Tool, Scraping. H. E. Bremer. 142,468; Oct. 2.
Truck, Book. F. Rider. 142,497; Oct. 2.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 2d DAY OF OCTOBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive compositions. R. S. Daniels and A. J. Mostello. 2,385,776; Oct. 2.
Air cleaner and silencer assembly. H. G. Kamrath. 2,385,814; Oct. 2.
Air compressor and apparatus operated thereby. C. Yeomans. 2,385,905; Oct. 2.
Aircraft structures, Making. M. Watter. 2,386,018; Oct. 2.
Aircraft with high-speed stability. G. S. Schairer. 2,385,845; Oct. 2.
Airfoil construction. M. Watter. 2,386,170; Oct. 2.
Aldehydes and unsaturated ester amides, Condensation products of. A. G. Chenicek. 2,385,911; Oct. 2.
Amine salts of dinitrophenols. F. B. Smith and J. N. Hansen. 2,385,848; Oct. 2.
Amino-methylene derivatives of salicylamide and process thereof. D. Price and R. L. Bond. 2,385,940; Oct. 2.
Ammonium molybdate, Reduction of. R. F. Rennie. 2,385,843; Oct. 2.
Ammonium salts and making the same, Quaternary. M. A. T. Rogers. 2,386,142; Oct. 2.
Amusement device. J. Postos. 2,385,980; Oct. 2.
Amphibian vehicle. F. W. McLarty. 2,386,132; Oct. 2.
Antenna construction. A. Alford and M. Fuchs. 2,385,783; Oct. 2.
Antihunting circuit. R. B. Bodine. 2,386,031; Oct. 2.
Apparatus for and method of manufacturing slide fasteners. M. Norkin and A. Savitzky. 2,385,836; Oct. 2.
Apparatus for converting sound to frequency modulated currents. W. Hausz. 2,386,049; Oct. 2.
Apparatus for feeding and cutting material into definite lengths. L. N. Linscott. 2,385,926; Oct. 2.
Apparatus for heating fluids. W. C. Seifert. 2,385,846; Oct. 2.
Apparatus for impregnating webs. L. E. Hahn. 2,385,916; Oct. 2.
Apparatus for making grids. W. W. Eitel and J. A. McCullough. 2,385,973; Oct. 2.
Apparatus for making pile products. L. N. Linscott. 2,385,925; Oct. 2.
Apparatus for opening and emptying capped bottles. J. C. Wahl. 2,386,152; Oct. 2.
Apparatus for producing metal bodies. R. K. Hopkins. 2,385,989; Oct. 2.
Apparatus for producing power. B. L. Rosenstengel. 2,385,943; Oct. 2.
Apparatus for removing individual units. H. F. Taylor and V. A. Nedvedsky. 2,386,076; Oct. 2.
Apparatus for the administration of gaseous mixtures. H. F. Brubach and L. R. Crisp. 2,385,786; Oct. 2.
Apparatus for the production of artificial filaments. M. P. Kulp, F. F. Morehead, W. A. Sisson, and W. L. Webb. 2,386,173; Oct. 2.
Apparatus for the treatment of metal and like articles with liquids or vapors for degreasing. W. F. Jesson. 2,385,860; Oct. 2.
Apparatus for turning out decorative material. I. J. Wisoff. 2,386,172; Oct. 2.
Apparatus for varying the angular relation of driven members. R. Heberlein and A. Künzle. 2,385,918; Oct. 2.
Arch bar, clip. J. E. Laskin. 2,386,124; Oct. 2.
Aromatic ketones, Production of. L. Schmerling and V. N. Inatleff. 2,386,007; Oct. 2.
Aryloxydihydronorpolycyclopentadienes. H. A. Bruson. 2,385,787; Oct. 2.
Atomizer. M. L. Goldbert. 2,385,807-8; Oct. 2.
Automobile control. G. M. Gary. 2,385,982; Oct. 2.
Automatic suction relief valve and audible signal for tank car segregators. D. Samiran. 2,385,844; Oct. 2.
Band tightening and sealing tool. B. L. Watt and C. F. Osgood, Jr. 2,386,153; Oct. 2.
Bath. Electrolysis. S. M. Welsberg and I. Levin. 2,386,078; Oct. 2.
Bearing. E. G. Landberg. 2,386,165; Oct. 2.
Beet lifter. V. N. Tramontini. 2,385,895; Oct. 2.
Billet and preparation and rolling thereof, Bimetallic. W. A. Carlson. 2,386,091; Oct. 2.
Binder. N. August, Jr. 2,386,083; Oct. 2.
Binder, Loose-leaf. E. C. Williams. 2,386,024; Oct. 2.
Blocks, Building. A. Holmes and J. C. Roediger. 2,386,163; Oct. 2.
Board. See—
Ironing board.
Bottle carrier. H. Leggett and Z. J. Pucci. 2,385,997; Oct. 2.

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Brake: See—
Clasp brake. Vehicle brake.
Brake construction. A. O. Williams. 2,386,023; Oct. 2.
Brush, Fountain. M. A. Kollmeyer. 2,385,865; Oct. 2.
Brush, Tooth. B. A. Babel. 2,386,085; Oct. 2.
Builder motion. J. J. Sippel. 2,385,888; Oct. 2.
Burner: See—
Gas burner.
Cam, Magneto breaker. J. R. Harkness. 2,386,048; Oct. 2.
Camera. C. L. Fitz. 2,385,804; Oct. 2.
Car construction. G. E. Dath. 2,386,093; Oct. 2.
Carrier: See—
Bottle carrier. Container carrier.
Case: See—
Spectacle case.
Caster, Self leveling. C. N. Raup. 2,386,005; Oct. 2.
Casting, Centrifugal pot. E. C. Young. 2,386,028; Oct. 2.
Catalytic cracking. D. L. Campbell. 2,386,032; Oct. 2.
Catalytic cracking-isomerization alkylation process. A. L. Foster. 2,385,806; Oct. 2.
Chain: See—
Conveyer chain.
Chain saw tooth setting device. E. E. Lambert. 2,385,868; Oct. 2.
Checking. C. E. Galley. 2,386,103; Oct. 2.
Chest protector. M. Morgan. 2,385,877; Oct. 2.
Chuck. W. W. Eitel. 2,385,971; Oct. 2.
Circuit: See—
Antihunting circuit.
Circuit breaker and ignition timing device. W. Ochsenbein. 2,386,136; Oct. 2.
Circuit controller, Electromagnetic. C. T. Evans. 2,385,779; Oct. 2.
Circulating means for refrigerator cars, Air. A. F. O'Connor. 2,386,002; Oct. 2.
Clasp brake. R. G. Aurlen. 2,385,909; Oct. 2.
Cleaner: See—
Glass cleaner.
Clip: See—
Arch bar clip.
Closure, Sealing. C. P. Krupp. 2,385,816; Oct. 2.
Clutch: See—
One-way clutch.
Clutch and brake assembly. E. H. Erickson. 2,386,099; Oct. 2.
Clutch construction. H. M. Stephenson. 2,386,071; Oct. 2.
Coating apparatus. Y. A. Bouget. 2,386,090; Oct. 2.
Coloring matters, Manufacture of new. E. P. Goodings and M. A. T. Rogers. 2,385,855; Oct. 2.
Colostomy apparatus. G. Moorhead. 2,385,876; Oct. 2.
Compensating poppet valve. W. R. Peck. 2,386,003; Oct. 2.
Composition for surgical and medical preparations. C. W. Patton. 2,385,879; Oct. 2.
Composition of matter suitable for use as a lubricant and lubricant comprising the same. J. M. Musselman. 2,385,832; Oct. 2.
Conduit, Sectional surface drain. F. S. Wendelken. 2,386,020; Oct. 2.
Connector: See—
Electrical connector. Structural connector.
Connector wrench. K. Stanley. 2,386,011; Oct. 2.
Cook-book holder. H. McCutchan. 2,386,131; Oct. 2.
Container: See—
Snap-down bottom, flat-folded paperboard container.
Container carrier. T. H. Firks and W. E. Mackelfresh, Jr. 2,386,101; Oct. 2.
Container cleaning machine. A. C. Everett. 2,386,043; Oct. 2.
Container for perishable products. G. P. Kuehner. 2,385,866; Oct. 2.
Containers for corrosive substances, Glass-lined. P. E. Knudsen. 2,385,924; Oct. 2.
Containers, Stopping and opening fluid. A. Mathisen. 2,385,826; Oct. 2.
Containers with explosive mixtures, Filling. N. M. Hopkins. 2,385,810; Oct. 2.
Control unit, Vibration-reducing. H. S. Peterson. 2,385,881; Oct. 2.
Control valve system, Travel. E. A. Rockwell. 2,385,942; Oct. 2.
Controller, Condition. H. E. Malone. 2,385,823; Oct. 2.

Controller for electric traveling machines. P. B. Harwood and J. M. Newman. 2,385,917; Oct. 2.
Conveyer chain. H. Klauke and R. G. Davis. 2,385,923; Oct. 2.
Coupling: See—
Hose coupling.
Coupling. G. E. Ehrling. 2,386,097; Oct. 2.
Coupling device. E. M. McElhinney. 2,386,053; Oct. 2.
Cultivator. W. H. Silver. 2,385,950; Oct. 2.
Cups, Multiple type vacuum. H. V. Farmer. 2,385,977; Oct. 2.
Cushion. W. B. Lashar and R. F. Warren, Jr. 2,385,870; Oct. 2.
Cushioning device for radiation detectors. G. Herzog. 2,385,857; Oct. 2.
Cutter: See—
Emergency cable cutter.
Damper control, Stoker. H. E. Malone. 2,385,822; Oct. 2.
Darning machine. J. and L. T. J. Page. 2,385,936; Oct. 2.
Davit for lifeboats, Tipping gravity. A. Pampinella. 2,385,841; Oct. 2.
Dehydrating apparatus. B. F. Lundy. 2,386,052; Oct. 2.
Deicing liquids to airfoil surfaces, Feeding. C. C. S. Le Clair. 2,386,125; Oct. 2.
Desk. I. R. Cornish. 2,386,092; Oct. 2.
Detergent composition. W. C. Gangloff. 2,386,106; Oct. 2.
Device for automatic braking in lowering of objects, such as boat tackles. J. Olsson and N. E. Lundin. 2,386,137; Oct. 2.
Die. L. G. Freeman, Jr. 2,386,102; Oct. 2.
Die holder. F. Judge. 2,385,922; Oct. 2.
Dieses, Production of. R. C. Morris and R. J. Moore. 2,386,155; Oct. 2.
Differential mechanism. F. D. Knoblock. 2,385,864; Oct. 2.
Diolefins from hydrocarbon mixtures, Selective extraction of. E. V. Pasce. 2,386,044; Oct. 2.
Diphenyl sulphones, Production of. J. Weijlard and J. P. Messier. 2,385,899; Oct. 2.
Dispenser: See—
Multiple dispenser.
Dispensing device. J. N. Wognum. 2,385,956; Oct. 2.
Distributor structure. H. P. Faris and J. E. White. 2,385,780-1; Oct. 2.
Dithiofurates. A. F. Hardman. 2,386,111; Oct. 2.
Dividing mechanism. B. Ruysdael. 2,386,145; Oct. 2.
Doctor, Air. F. C. Woodward. 2,386,156; Oct. 2.
Door construction. H. H. Turner. 2,386,016; Oct. 2.
Double seaming machine, Can. J. H. Schurch. 2,386,069; Oct. 2.
Dry size. F. L. Chappell, Jr. 2,386,033; Oct. 2.
Drying apparatus. R. L. Hooper. 2,385,809; Oct. 2.
Dual wheeled vehicle. C. S. Ash. 2,386,030; Oct. 2.
Dyestuffs. J. D. Kendall and D. J. Fry. 2,385,815; Oct. 2.
Dyestuffs and their manufacture, Stilbene. E. Keller. 2,385,862; Oct. 2.
Echo effects in picture transmission systems, Method and apparatus for reducing. F. J. Bingley and W. E. Bradley. 2,386,087-8; Oct. 2.
Electric control system. M. A. Edwards. 2,386,040; Oct. 2.
Electric cooking apparatus. G. Smith. 2,386,009; Oct. 2.
Electric induction furnace. M. H. Hanes. 2,385,983; Oct. 2.
Electric valve translating apparatus and operation. A. H. Mittag and A. Schmidt, Jr. 2,386,068; Oct. 2.
Electrical conductor unit assemblies. J. F. O'Brien. 2,385,839; Oct. 2.
Electrical connection means. H. L. Newell. 2,386,056; Oct. 2.
Electrical connector. V. E. Carlson. 2,385,792; Oct. 2.
Electrical fire preventing system for aircraft. A. Mathisen. 2,385,825; Oct. 2.
Electrical heating apparatus. W. M. Witty. 2,385,904; Oct. 2.
Electrode holder. I. J. Andersen. 2,386,080; Oct. 2.
Electromagnetic control. W. L. Smith. 2,386,149; Oct. 2.
Electron tube structure. W. W. Eitel and J. A. McCullough. 2,385,974; Oct. 2.
Electronic tube. W. W. Eitel and J. A. McCullough. 2,385,972; Oct. 2.
Emergency cable cutter. Le R. S. Jessen. 2,385,813; Oct. 2.
Emulsions, Breaking petroleum. M. De Groote and B. Keiser. 2,385,969-70; Oct. 2.
Esters. F. D. Snell and A. F. Guiteras. 2,385,849; Oct. 2.
Esters and polymers thereof, Polybasic acid-polyhydric alcohol. I. E. Muskat and F. Strain. 2,385,930; Oct. 2.
Esters and polymers thereof, Unsaturated. I. E. Muskat and F. Strain. 2,385,931-2; Oct. 2.
Esters and polymers thereof, Unsaturated. I. E. Muskat and F. Strain. 2,385,934; Oct. 2.
Esters of tall oil and making same, Sulphurized glyceryl. G. D. Davis and E. J. Barth. 2,385,912; Oct. 2.
Esters of triethylene glycol bis (acid carbonate) and polymers thereof, Unsaturated alcohol. I. E. Muskat and F. Strain. 2,385,933; Oct. 2.
Fan, High temperature. C. Nygren. 2,385,837-8; Oct. 2.

Fastener: See—
Snap fastener.
Feeder: See—
Poultry and live stock feeder.
Feeding device. M. D. Heyman. 2,385,988; Oct. 2.
Feeding mechanism. O. J. Schorer. 2,385,946; Oct. 2.
Filamentary materials, Handling. R. J. Taylor. 2,385,894; Oct. 2.
Filling and packaging machine, Continuous. H. F. Waters. 2,385,897; Oct. 2.
Film drum drive for photophonographic apparatus. E. W. Kellogg. 2,385,863; Oct. 2.
Film marking system. J. W. Jones, Jr. 2,385,861; Oct. 2.
Filter: See—
Gas filter.
Fire-detecting system. F. C. Evans and K. O. Donellan. 2,385,976; Oct. 2.
Fire director apparatus for antiaircraft guns. A. Svoboda. 2,385,952; Oct. 2.
Fish lure. W. M. Gambill. 2,386,105; Oct. 2.
Fixture for grinding thread-cutting tools. H. C. Wilson. 2,385,902; Oct. 2.
Fixture, Milling. G. D. Shaeffer. 2,386,146; Oct. 2.
Fixture, Surgical. W. L. Merris. 2,386,134; Oct. 2.
Fluorescent maintenance apparatus. S. Leibow. 2,385,820; Oct. 2.
Fluid flow meter. H. A. Williams. 2,385,901; Oct. 2.
Fluid pressure mechanism. W. A. Eaton. 2,386,038-9; Oct. 2.
Fluid pressure mechanism. E. Fowler. 2,386,046; Oct. 2.
Food-processing mechanism. E. O. Mehline and W. Calvert. 2,385,828; Oct. 2.
Frame construction, Drop hammer. H. A. Weyer. 2,386,155; Oct. 2.
Frictional mechanism. W. H. Hunter. 2,386,116; Oct. 2.
Furnace: See—
Electric induction furnace.
Fuse unit. A. H. Powell. 2,386,060; Oct. 2.
Garment, Combination. D. Liebert. 2,385,871; Oct. 2.
Gas burner. P. S. Harper and G. F. Turner. 2,386,113; Oct. 2.
Gas burner. J. J. Wolfersperger. 2,385,854; Oct. 2.
Gas filter. E. G. Pierce. 2,385,938; Oct. 2.
Gas, Method and apparatus for distributing liquefied. C. A. Hansen and P. M. Riede. 2,385,984; Oct. 2.
Gasoline, Recovering. F. G. Noble. 2,386,057; Oct. 2.
Gauge: See—
Height gauge.
Gear: See—
Locomotive power reverse gear.
Glass cleaner. R. M. Schlabach. 2,386,066; Oct. 2.
Glass tank. M. S. Tarnopol. 2,385,954; Oct. 2.
Grid, Electric resistance. L. Satchwell. 2,386,065; Oct. 2.
Grinder, Piston ring. R. F. Flora. 2,385,979; Oct. 2.
Guide, Cable. W. A. Pollock. 2,385,939; Oct. 2.
Hanger: See—
Machine gun hanger.
Hanger attachment for ladies' garments. J. B. Potoczky. 2,386,059; Oct. 2.
Hanger for convertible tandem bicycles, Front. D. A. Swanson. 2,385,892; Oct. 2.
Harvester pick-up device. E. G. Melroe. 2,385,829; Oct. 2.
Heat exchanger fin tube. F. T. Elder. 2,386,159; Oct. 2.
Heating apparatus. B. Goerg. 2,386,160; Oct. 2.
Heating device. D. E. Edgar and D. J. Sullivan. 2,386,095; Oct. 2.
Heating system. H. B. Holthouse. 2,386,115; Oct. 2.
Height gauge. A. J. Metro. 2,385,874; Oct. 2.
Helicopter. A. Skavinsky. 2,385,889; Oct. 2.
Holder: See—
Cook-book holder. Nursing bottle holder.
Die holder. Self-attaching wire holder.
Electrode holder.
Holder and projection machine therefor, Transparent film segment. C. B. Bogue. 2,385,771; Oct. 2.
Hormone derivatives. S. G. Turnbull, Jr. 2,385,852; Oct. 2.
Hormones, Producing. S. G. Turnbull, Jr. 2,385,853; Oct. 2.
Hose coupling. D. P. Glessner. 2,386,109; Oct. 2.
Hydraulic control. A. J. Swanson. 2,385,891; Oct. 2.
Hydrocarbons, Solidified normally liquid. A. J. Laliberte. 2,385,817-18; Oct. 2.
Hydroxydihydronorpolycyclopentadienes and their preparation. H. A. Bruson. 2,385,788; Oct. 2.
Hyperbolic curve plotting apparatus. E. McKaba. 2,385,827; Oct. 2.
Immersion apparatus, Automatic. E. C. Weiskopf. 2,386,079; Oct. 2.
Impact tool. J. C. Curtis. 2,385,797; Oct. 2.
Injector for conduits. L. Klingen. 2,386,122; Oct. 2.
Ink, Printing. E. F. Carman and W. Reil. 2,385,793; Oct. 2.
Iron, Making sponge. E. A. Stewart. 2,386,072; Oct. 2.
Ironing board. V. Rasmussen. 2,386,139; Oct. 2.
Jig. C. E. Galley. 2,386,104; Oct. 2.

Joint: See—

Universal joint.
Ladder, Debarkation. N. G. Margolin and E. M. Anderson. 2,385,824; Oct. 2.
Latch. L. L. Anderson. 2,385,961; Oct. 2.
Lever construction. E. C. Neal. 2,385,835; Oct. 2.
Lifter: See—
Best lifter.
Lifter and carrier. R. F. Fink. 2,385,913; Oct. 2.
Lighter, Cigarette or cigar. T. H. Pattberg. 2,386,168; Oct. 2.
Lighter, Remote burner. B. K. G. Ehnborn. 2,386,041; Oct. 2.
Line take-up for power shovels, cranes, and the like. R. H. Zeilman. 2,385,906; Oct. 2.
Liquid congealing apparatus. J. N. Saler. 2,386,064; Oct. 2.
Liquid metering device. T. A. Baker. 2,385,784; Oct. 2.
Liquids, Purification of organic. J. A. Patterson and R. J. Ozol. 2,386,058; Oct. 2.
Locomotive power reverse gear. W. E. Woodard. 2,385,957; Oct. 2.
Lubricant. D. E. Bergen. 2,385,964; Oct. 2.
Lubricating device. Journal. E. C. and M. C. Jeffers. 2,386,121; Oct. 2.
Lure, Fishing. J. Helfenstein. 2,385,986; Oct. 2.
Machine gun hanger. C. W. Thompson. 2,386,015; Oct. 2.
Magnesia from dolomite, Separating. W. E. Wing. 2,386,027; Oct. 2.
Magnetic attachment for articles of every day use. E. Jacobson. 2,385,859; Oct. 2.
Marker for use by football officials, Foul. L. L. D. Nicoletto. 2,385,878; Oct. 2.
Masher for potatoes. L. A. Bottinelli. 2,385,966; Oct. 2.
Measuring apparatus, Hardness. R. Woxén. 2,385,958; Oct. 2.
Measuring device, Torque. C. A. Shank. 2,386,008; Oct. 2.
Measuring instrument. L. Gess and E. C. Burdick. 2,386,108; Oct. 2.
Metal parts for ring binders, Making. J. Schade. 2,385,883; Oct. 2.
Metal values, Recovery of. R. C. Archibald and R. A. Trimble. 2,386,081; Oct. 2.
Meter: See—
Fluid flow meter.
Metering apparatus. M. M. Borden. 2,385,772; Oct. 2.
Method and machine for punching out articles from strips. M. H. Sidebotham. 2,386,147; Oct. 2.
Microphone, Throat. J. M. Kuhl. 2,385,867; Oct. 2.
Mold for casting electrolytic cells. A. W. Moore, F. B. Moran, H. L. Christian, and D. D. Morris. 2,385,830; Oct. 2.
Molds and the like, Method of and apparatus for conditioning. C. A. Barnett. 2,385,962; Oct. 2.
Mounting: See—
Ophthalmic mounting. Waterwheel mounting.
Mounting for air circulator units, Baffle. J. C. Brittingham. 2,385,773; Oct. 2.
Mounting for road rollers and similar devices. M. C. Whits. 2,386,025; Oct. 2.
Mounting means for rotatable disks. R. B. Attridge. 2,386,082; Oct. 2.
Muffler. H. P. Byge. 2,385,791; Oct. 2.
Multiple dispenser. C. L. Ludwig. 2,386,128; Oct. 2.
N-hydrocarbon substituted alkanolamine salts of dinitrophenols. G. H. Coleman and F. B. Smith. 2,385,795; Oct. 2.
Norendomethylene hexahydrofluorenyl alcohol. H. A. Bruson. 2,385,789; Oct. 2.
Nursing bottle holder. M. E. Elzeer. 2,386,042; Oct. 2.
Nut. C. A. Swanstrom. 2,385,851; Oct. 2.
Nut, Anchor. R. C. Huntoon. 2,385,991; Oct. 2.
Nut or the like and blank therefor. V. V. Mason. 2,385,927; Oct. 2.
Nut, Self locking coupling. K. A. Swanstrom. 2,385,953; Oct. 2.
Nut, Stamped lock. H. J. Le Vesconte. 2,385,821; Oct. 2.
Nut-supporting device. J. F. Ebert. 2,385,777; Oct. 2.
Oil, Secondary recovery of. R. Cross. 2,386,036; Oct. 2.
Oil treater. W. B. Rhees. 2,386,061; Oct. 2.
Olefins from hydrocarbon mixtures, Separation of tertiary. H. O. Mottern. 2,386,055; Oct. 2.
One-way clutch. A. Y. Dodge. 2,385,799; Oct. 2.
One-way clutch. C. E. Swenson. 2,386,013; Oct. 2.
Ophthalmic instrument. D. T. Street. 2,386,012; Oct. 2.
Ophthalmic mounting. G. A. Ellestad. 2,385,975; Oct. 2.
Optical instrument. E. F. Flint. 2,385,978; Oct. 2.
Ores and oxides, Reducing. J. H. Stewart. 2,386,073; Oct. 2.
Ores, Beneficiation of beryllium. F. D. Lamb and L. Banning. 2,385,819; Oct. 2.
Oven, Reel type bake. S. Holm. 2,385,919; Oct. 2.
Package for rolls of flexible material. B. C. Roehrl. 2,386,062; Oct. 2.
Paint. A. Douty and F. B. Freese. 2,385,800; Oct. 2.
Panel, Structural. C. Englund. 2,386,098; Oct. 2.
Pharmaceuticals, Treatment of. C. L. Barthen, J. B. Peterson, and L. A. McClintock. 2,386,157; Oct. 2.
Phenyl endoethylene cyclopentanol. H. A. Bruson. 2,385,790; Oct. 2.

Photographic article of manufacture. O. W. Murray. 2,386,167; Oct. 2.
Pickup device, Phonograph. L. J. Bobb. 2,386,089; Oct. 2.
Piezoelectric device. H. von Beckerath. 2,385,986; Oct. 2.
Pile protector. T. P. Lane. 2,385,869; Oct. 2.
Piston construction, Engine. R. M. Hvid. 2,386,117; Oct. 2.
Plastic compositions, Manufacture of. E. J. Cohn and J. D. Ferry. 2,385,803; Oct. 2.
Plastics, Cellulose of. J. W. Jordan. 2,385,921; Oct. 2.
Plastics, Manufacture of. J. D. Ferry. 2,385,802; Oct. 2.
Plastics, Plasticization of. J. D. Jenkins. 2,385,920; Oct. 2.
Plow. O. L. and L. L. Beasley. 2,385,785; Oct. 2.
Plow, Two-way. O. W. Oerman. 2,385,935; Oct. 2.
Post, Terminal. H. W. Wild. 2,386,171; Oct. 2.
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CLASSIFICATION OF PATENTS

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In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

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October 9, 1945

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Plant Patents.....	1—No.	660	
Patents.....	572—No.	2,386,175 to No.	2,386,746, inclusive.
Designs.....	34—No.	142,508 to No.	142,541, inclusive.
Total.....		836	

Notice

18. *Optional Procedure.* In addition to the optional procedure specified in section 3.16 (Departmental Order No. 366), a petition for license to file an application for patent and any amendments thereto in any foreign country may be in the form of a letter addressed to the Commissioner of Patents, and need not be accompanied by the material specified in sections 3.4, 3.9 and 3.10 (Comr's. Reg. 4, 9 and 10). Such petition must, however, contain the statement that the proposed foreign application is substantially identical with an application on file in the United States Patent Office, which latter application must be identified by the names of the inventor, serial number, title of the invention and date of filing. The issued license will permit filing in all countries except Germany and Japan. Licensed material destined for Bulgaria, Italy, Austria, Roumania and Hungary must be forwarded to the Technical Data Licensing Section of the Foreign Economic Administration for transmission abroad. In all other cases, the licensed material may be mailed or forwarded direct by the licensee without presentation to the Post Office Department. [Public Law 239, 77th Cong., approved Aug. 21, 1941, 55 Stat. 657, 35 U. S. C. 42a.]

CONDOR C. HENRY,
Assistant Commissioner of Patents.

Adjudicated Patents

(C. C. A. Mo.) Buxton patent, No. 1,561,906, for a key case, claims 1, 4, and 6 *Held* invalid. *Gardner v. Buxton, Inc.*, 150 F.(2d) 242; 66 USPQ 10.

(C. C. A. Mo.) Buxton patent, No. 1,691,637, for a key case, *Held* not infringed. *Id.*

(C. C. A. N. Y.) Hedenskoog patent, No. 1,714,310, for a ball retarder for bowling alleys, claim 1 *Held* invalid. *Brunswick-Balke-Collender Co. v. American Bowling & Billiard Corp.*, 150 F.(2d) 69; 65 USPQ 148.

(C. C. A. Mo.) Buxton patent, No. 1,922,755, for a key case, *Held* not infringed. *Gardner v. Buxton, Inc.*, 150 F.(2d) 242; 66 USPQ 10.

(C. C. A. Mo.) Howe patent, No. 1,959,207, for a key case, *Held* not infringed. *Id.*

(C. C. A. Mo.) Buxton patent, No. 1,966,429, for a key case, claims 1 and 2 *Held* invalid. *Id.*

Order No. 3986

U. S. PATENT OFFICE, Washington, D. C., Sept. 6, 1945.

Acting under the provisions of section 483 of the Revised Statutes (U. S. C., title 35, sec. 6) and with the approval of the Secretary of Commerce, rules 137 and 138 respectively of the Rules of Practice are amended as set forth below to take effect January 1, 1946.

Rule 137. On filing of an appeal to the Board of Appeals a day of hearing will be fixed and due notice thereof given to the appellant, who shall file a brief of the authorities and arguments on which he will rely to maintain his appeal twenty days before the day of hearing. The Examiner may thereupon, in his discretion and at least five days before the day of hearing, reply thereto. At the time of making any such reply, the Examiner shall furnish a copy of the same to the appellant.

Rule 138. Affidavits or exhibits submitted after the case has been appealed will not be admitted without remanding the application to the Primary Examiner for reconsideration; but the appellate tribunal may in their discretion refuse to remand the case and proceed with the same without accepting the affidavits or exhibits.

CASPER W. OOMS,
Commissioner.

Condition of Applications Under Examination at Close of Business September 21, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 70,568; Trade-Mark Division, 2,916. Oldest new case, Sept. 20, 1944; oldest amended, Sept. 20, 1944.) (The dates given are 1944 except where † indicates 1945.)		Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS		New	Amended	
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spilltoons; Sewerage.	Dec. 2	Dec. 19		1087
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Oct. 16	Oct. 17		1320
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part).	Nov. 30	Dec. 6		1335
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Jan. 13	Jan. 22		1072
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Sept. 25	Oct. 2		1804
6. GENIESSE, E. W., Carbon Chemistry (part).	Jan. 19	Jan. 20		1234
7. JARBOE, C. G., Optics, Photography.	Jan. 10	Mar. 16		1026
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets.	Jan. 24	Mar. 14		1099
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors.	Nov. 3	Nov. 6		1257
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	May 7	May 2		350
12. SPENTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control.	Oct. 26	Oct. 12		1414
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Tumbling.	Jan. 17	Nov. 7		1068
14. HANLIN, GEORGE, Metal Working; Hoisting; Sheet-Metal; Wire; Misc. Processes; Wire Fabrics; Farriery.	Mar. 3	Feb. 26		832
15. BENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Feb. 3	Mar. 28		910
16. SPENCER, C. J., Telegraphy; Telephony.	Feb. 12	Feb. 7		843
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Nov. 9	Nov. 8		685
18. KURZ, J. A., Motors, Expandable-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Dec. 20	Jan. 4		1185
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Dec. 5	Dec. 1		736
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Feb. 14	Feb. 19		821
21. THOMPSON, T. J., Textiles.	Apr. 2	Feb. 14		498
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance.	Jan. 22	Jan. 19		1322
23. LEWIS, J. B., Cash Registers; Calculators (part).	Jan. 29	Dec. 7		150
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines.	Mar. 2	Mar. 1		852
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Jan. 8	Jan. 2		1026
26. YOUNG, R. R., Electricity—Generation and Motive Power.	Nov. 14	Nov. 24		1215
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Dec. 1	Oct. 27		1151
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	Oct. 20	Oct. 11		1030
29. SKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	Dec. 7	Nov. 23		1173
30. MCCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Jan. 19	Jan. 4		1266
31. DUNCOMBE, O. S., Hydrocarbons; Mineral Oils.	May 3	Apr. 28		866
32. BESI, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Mar. 10	Mar. 14		949
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthware Apparatus.	Jan. 26	Jan. 29		1184
34. SAPFERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Dec. 11	Dec. 22		649
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Dec. 13	Dec. 11		1026
36. MCFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring.	Jan. 12	Jan. 29		791
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers.	Oct. 16	Oct. 20		1168
38. KRAFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation.	Dec. 9	Dec. 15		921
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution.	Dec. 8	Dec. 13		1278
40. DRUMMOND, E. J., Receptacles (part); Packages.	Jan. 6	Jan. 31		1458
41. HERTZ, M., Coin Handling; Records; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Dec. 23	Dec. 9		538
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters.	Feb. 19	Feb. 23		655
43. FEDERIC, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Jan. 12	Jan. 1		811
44. HARVEY, L. P., Refrigeration; Preserving.	Oct. 16	Oct. 10		703
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Dec. 29	Dec. 30		1341
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Nov. 23	Nov. 23		791
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part).	Feb. 22	Mar. 1		1242
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters.	Dec. 12	Dec. 12		1269
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Mar. 9	Feb. 24		699
50. LEVIN, SAMUEL, Synthetic Resins.	Feb. 7	Feb. 7		1484
51. CROCKER, A. W., Radiant Energy; Modulators.	Dec. 23	Dec. 18		1946
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Nov. 8	Dec. 4		1653
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Outlery; Closures, Partitions and Panels, Flexible and Portable.	Sept. 30	Nov. 30		1308
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Sept. 20	Sept. 20		1415
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part).	Feb. 7	Jan. 22		928
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making.	Nov. 20	Nov. 15		1022
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Nov. 6	Nov. 6		1174
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	Nov. 4	Mar. 23		698
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part).	Oct. 30	Nov. 1		1416
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Dec. 4	Dec. 14		1173
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Jan. 4	Jan. 3		1161
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors.	Nov. 3	Nov. 2		1925
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Oct. 27	Dec. 14		1538
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel.	May 17	May 12		776
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Oct. 21	Oct. 26		1376
TRADE-MARKS: RICHMOND, F. A.	June 1	July 2		2916
DESIGNS: KALUPY, H. H.	June 4	July 25		1475

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

NELSON v. HAINSWORTH

No. 4,959. Decided April 9, 1945. Petition for rehearing denied May 22, 1945

[149 F.(2d) 367; 65 USPQ 483]

- INTERFERENCE—BURDEN OF PROOF.**
In the interference involving, on the one hand, an application filed on October 12, 1936, by Nelson for reissue of his patent granted January 14, 1936, upon an original application filed October 6, 1933, and, on the other hand, an original application filed on April 5, 1933, by Hainsworth, *Held* that since the Hainsworth application antedated the original Nelson application by about six months, Hainsworth was the senior party and the burden was upon Nelson to establish priority by a preponderance of the evidence.
- SAME—SAME—INOPERATIVENESS.**
"The burden, of course, rested upon Nelson, as the junior party, to establish the inoperativeness of the Hainsworth device by a preponderance of the evidence."
- SAME—INOPERATIVENESS.**
The action of Hainsworth in introducing evidence affirmatively to establish operativeness of the absorption refrigerating system disclosed in his application, *Held* not a concession on his part that Nelson had established a prima facie case of inoperativeness.
- SAME—SAME.**
"We think it is also clear from the evidence that devices which closely approached the drawings of the Hainsworth application were constructed and that they produced refrigeration to an extent sufficient to demonstrate operativeness, and we feel constrained to agree with the holding of the Board to the effect that the modifications made were within the purview of those skilled in the art."
- SAME—PRIORITY.**
Held, in agreement with the Board of Appeals, that the absorption refrigerating system disclosed in the Hainsworth application is operative; that both parties were restricted to their record dates for both conception and reduction to practice; that Hainsworth was not shown to have derived the invention in issue from Nelson; and that Hainsworth was not estopped, and Hainsworth and his assignee were not bound under a license agreement with Nelson's assignee in any manner which precluded Hainsworth from contesting with Nelson the question of priority; and accordingly *Held* that priority properly was awarded to Hainsworth, the senior party.

APPEAL from the Patent Office. Affirmed.

Mr. A. G. Gross, Mr. John F. Robb, and Mr. Harry C. Robb for Nelson.

Messrs. Cameron, Kerkam & Sutton (Mr. Loyd H. Sutton of counsel) for Hainsworth.

GARRETT, P. J.:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office, awarding priority to the party Hainsworth, thus reversing the decision of the Examiner of Interferences, in an interference proceeding involving a single count which reads as follows:

In a continuous absorption refrigerating system of the type in which an inert gas is used as a pressure equalizing

agent, the combination of a boiler, an absorber, an evaporator, gas conduits for circulating the inert gas between the evaporator and the absorber and for conveying refrigerant from the evaporator to the absorber, mechanical pumping means in one of said conduits for raising the pressure of the gas therein to a total pressure higher than that normally prevailing in the evaporator and means for circulating absorption liquid between the boiler and the absorber and utilizing the gas at the raised pressure to promote the liquid circulation.

[1] The count originated as claim 2 in a patent, No. 2,027,927, issued to the party Nelson January 14, 1936, upon an application, Serial No. 692,366, filed October 6, 1933, application for reissue of which, Serial No. 105,241, was filed October 12, 1936. It was copied by the party Hainsworth into his application, Serial No. 664,475, filed April 5, 1933.

The Nelson patent and his reissue application are shown to be assigned to The Hoover Company of North Canton, Ohio, of which he was an employee, and the Hainsworth application to Servel Inc. of New York, of which he was vice-president in charge of engineering.

The interference was declared January 31, 1938, between the Nelson reissue application and the Hainsworth application, which latter antedated by about six months the original Nelson application. So, Hainsworth is the senior party and the burden was upon Nelson to establish priority by a preponderance of the evidence.

In the brief for Nelson it is said:

This case is somewhat unusual in that the questions to be decided are more involved than usually arising in interference cases. In other words, the issues which are raised by this appeal have to do with:

- First: Priority of invention.
- Second: The inoperativeness of the system of Hainsworth as disclosed in his application.
- Third: Originality as between the parties in view of the disclosure to Hainsworth of certain conception evidence of Nelson.
- Fourth: Whether the law of estoppel in pais and by deed is applicable to Hainsworth by reason of the licensing situation between the parties hereto, and the actions of the party Hainsworth.

Fifth: Whether Hainsworth and his assignee, Servel Inc., in privity herein, are bound by the acknowledgement of ownership in Nelson's privity of the invention in controversy under the licensing contract.

It is proper to state just here that while the decision of the Board reversed the decision of the Examiner of Interferences, there was disagreement in their conclusions upon only one of the issues above quoted from the Nelson brief—that of the inoperativeness of the Hainsworth apparatus disclosed in his application. The Examiner of Interferences agreed with Nelson on that issue, but disagreed with him as to all the other issues. So, the reversal by the Board was directed to a single issue, and upon all other issues we have concurring decisions by the Patent Office tribunals.

To state the matter somewhat differently, both the Examiner of Interferences and the Board held that both Hainsworth and Nelson were restricted to their respective filing dates (Nelson being given

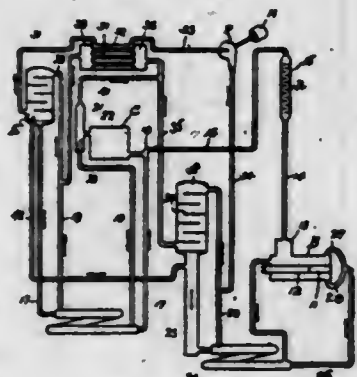
the benefit of the date on which his original application was filed—October 6, 1933) for both conception and reduction to practice; that Hainsworth was not shown to have derived the invention from Nelson; that Hainsworth was not estopped, and that Hainsworth and his assignee were not bound under the licensing contract (hereinafter explained) in any manner which precluded Hainsworth from contesting with Nelson the question of priority as to the count involved.

In the appeal to us Nelson set forth seventy-eight separate reasons for appeal which are grouped in his brief under five headings corresponding to the issues as delineated in the quotation from his brief, supra—that is, (1) Priority; (2) Inoperativeness; (3) Originality; (4) Estoppel, and (5) Ownership.

It is obvious that a reversal of the Board's holding that the Hainsworth application disclosed an operative apparatus would be conclusive of the controversy, and, therefore, it is appropriate that this phase of the case receive first consideration.

A full and accurate description of the respective devices as visualized from the drawings appears in the decision of the Primary Examiner on a motion by Nelson to dissolve, in which motion inoperativeness of the Hainsworth device, as described in his application, was alleged, and we here reproduce same in connection with photographic reproductions of the respective drawings.

The Nelson drawing is as follows:



This, together with the pertinent part of the specification, was explained by the Primary Examiner as follows:

In the apparatus shown in the Nelson reissue application a solution of ammonia water is heated in a boiler B. Ammonia is distilled off from the water and the ammonia vapor passes through a conduit 14, a rectifier R, and a pipe 16 to a reabsorber C. In the reabsorber C the ammonia vapor is absorbed by water which enters the reabsorber through conduit 17. The ammonia water formed in reabsorber C passes through a conduit 19 to the top of an evaporator E. A relatively heavy or dense inert gas such as air or nitrogen is forced into conduit 19 through conduit 39 and this gas causes the ammonia water to flow upwardly in conduit 19 from the reabsorber C to the evaporator E. The ammonia water and dense inert gas mix together and pass downwardly over baffles in the evaporator E. When the ammonia water and dense inert gas mix together ammonia evaporates from the ammonia water into the dense inert gas because of the partial pressure of the dense inert gas in the gas space in contact with the ammonia water. This evaporation of the ammonia from the ammonia water produces the cooling.

The water from which the ammonia has been evaporated in evaporator E flows by gravity through a conduit 17 from evaporator E back to reabsorber C.

The mixture of dense inert gas and ammonia vapor formed in evaporator E passes through a conduit 31, the compartment 32 of a gas heat exchanger, conduit 33, pump P and a conduit 34 to a conduit 29. Water from which ammonia has been distilled off in boiler B passes through conduit 29 and the mixture of dense inert gas

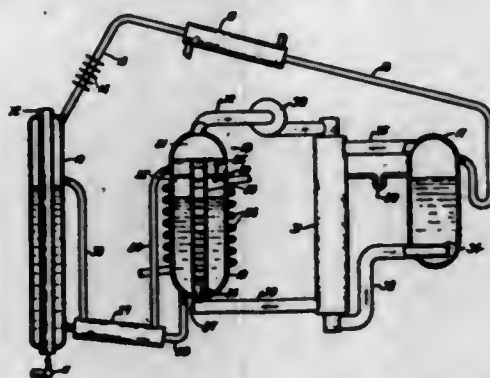
and refrigerant is forced into the water in said conduit 29 from conduit 34 and lifts the water upwardly to the top of absorber A. In the upper portion of the left hand leg of the conduit 29 and in the absorber A the refrigerant is absorbed by the water and the ammonia water thus formed flows by gravity through reservoir 25 and conduit 26 back to boiler B. The water does not absorb the inert gas.

The inert gas from which the ammonia vapor has been absorbed passes through conduit 35, through the gas heat exchanger compartment 36, tubes 37, compartment 38 and conduit 39 from which it forces its way into the liquid (ammonia water) in conduit 19. The pump P driven by motor M causes the dense inert gas to circulate through its circuit, that is, conduit 34, upper part of the left leg of conduit 29, absorber A, conduit 35, heat exchanger chamber 36, tubes 37, heat exchanger chamber 38, conduit 39, upper part of left leg of conduit 19, evaporator E, conduit 31, compartment 32 of the gas heat exchanger, and conduit 33.

Forcing the dense inert gas from conduit 34 into liquid in the upper part of the left leg of conduit 29 causes liquid to circulate between absorber A and boiler B. Forcing the dense inert gas into the liquid in the upper left leg of conduit 19 causes liquid to circulate between evaporator E and reabsorber C.

As has been previously stated, the ammonia vapor boiled out of the ammonia water in boiler B passes through conduit 14, rectifier R and conduit 16 to reabsorber C where the ammonia is absorbed by water that enters through conduit 17 and leaves through conduit 19. Any gas that is not absorbed in reabsorber C, such as inert gas that may accidentally work its way along with the ammonia to reabsorber C, is vented to inert gas conduit 35 through the top of small chamber 21 and conduit 41.

The Hainsworth drawing is as follows:



The Primary Examiner's explanation of this drawing together with the pertinent part of the specification reads:

In the apparatus disclosed in this application, ammonia water is heated in generator 10. Ammonia is distilled off from the ammonia water and the ammonia vapor passes through a rectifier 14, and a conduit 13 to a condenser 15. In condenser 15 the ammonia vapor is cooled and condenses to liquid ammonia.

The liquid ammonia flows from the condenser through a conduit 16 to an evaporator 17. An auxiliary medium, such as hydrogen, is forced into evaporator 17 through a conduit 33 that is provided with openings 34. The hydrogen bubbles upwardly through the liquid ammonia and the liquid ammonia evaporates by diffusing into the hydrogen. This evaporation of the liquid ammonia produces cooling.

The mixture of ammonia and hydrogen formed in evaporator 17 passes through a conduit 35, one part of a heat exchanger 31, a conduit 36, and a pipe 37 into an absorber 18.

Water from which ammonia has been distilled flows from generator 10 through one part of a heat exchanger 27 and through a conduit 28 to the lower part of the absorber 18.

The absorber 18 comprises a vessel 19 divided by a partition 20 into an upper chamber 21 and a lower chamber 22. A conduit 23 extends from the bottom of chamber 22 upwardly through the partition 20 into the upper chamber 21 and is provided at its lower end with openings 24 affording communication with the chamber 22.

The pipe 37 through which the mixture of hydrogen (inert gas) and ammonia enters the absorber opens into the lower part of conduit 23 above the apertures 24. The mixture of hydrogen and ammonia that enters conduit 23 bubbles upwardly through the water therein. The refrigerant is absorbed by the water (absorbent) in conduit 23 and the gas bubbles of hydrogen and ammonia, or perhaps of hydrogen alone decrease the weight of the fluid column in this conduit until an overflow occurs from the upper end thereof into the upper chamber 21 of the absorber.

A conduit 25 extends through the partition 20 and provides an overflow that determines the liquid level in chamber 21. Liquid (ammonia water) flows by gravity from chamber 21 through conduit 29, one part of heat exchanger 27 and conduit 30 to the part of generator 10.

Hydrogen is drawn from the upper part of absorber 18 through conduit 32 by a gas pump or blower 38 and is pumped through on part of heat exchanger 31 and conduit 33 to evaporator 17.

A small drain 39 is provided between evaporator 17 and heat exchanger 31, which Hainsworth states, in his description, "provides for return of excess liquid refrigerant to the absorption liquid circuit."

It may be stated at the outset that neither the Nelson apparatus (although patented) nor that of Hainsworth has ever been produced and placed on the market as a commercial device, or at least neither had been at the time of the trial of the controversy below. The Board said:

Neither of the machines involved here can be said to be conventional and whether or not they can ever be made to operate satisfactorily commercially remains to be seen.

[2] The burden, of course, rested upon Nelson, as the junior party, to establish the inoperativeness of the Hainsworth device by a preponderance of the evidence, his motion to dissolve having been denied by the Primary Examiner. He accordingly introduced evidence on this point, which was very fully reviewed in the decision of the Examiner of Interferences.

It appears that during the taking of the testimony in chief on his behalf he caused certain machines purporting to conform to the Hainsworth design to be constructed. Photographs of the first of such machines were introduced in evidence as Nelson's Exhibits 29 and 29A. Subsequently the first machine was redesigned, and photographs of such redesigned apparatus were introduced in evidence as Nelson's Exhibits 31 and 31A. A third form was produced and introduced in evidence as Nelson's Exhibit 30, together with photographs marked as Exhibits 47 and 47A.

All the foregoing forms seem to have been tested inter partes during the trial, and a record was kept which was introduced in evidence as Nelson's Exhibit 43. In his decision the Examiner said, inter alia, "All inter partes tests * * * which are given in Nelson Exhibit 43 as well as the testimony relative thereto indicate that no refrigeration was produced by any of the forms of this apparatus," but he further held that Nelson's evidence on this point did not establish a prima facie case of inoperativeness, saying:

Although the apparatus as constructed by Nelson appears to approximate the apparatus shown in the Hainsworth application drawing rather closely, yet the fact that the pumping means used was incapable of overcoming the liquid head in the apparatus renders the test inconclusive so far as establishing inoperativeness of the Hainsworth apparatus is concerned. It would seem obvious from the Hainsworth description that a pumping means must be used which is capable of producing circulation in the gas circuit.

His subsequent finding that Nelson had established a prima facie case of inoperativeness was based in part upon the evidence introduced by Hainsworth, but principally, as we understand his decision, upon rebuttal evidence introduced by Nelson.

Had Hainsworth rested his case concerning this feature of the controversy on the inadequacy of Nelson's evidence, he would not, as it subsequently

developed, have been confronted with the final adjudication of the Examiner of Interferences against him, but, as of course, he could not foretell what the views of the Examiner of Interferences would be, and accordingly he introduced evidence in the effort to establish operativeness affirmatively.

[3] Just here it may be said that Nelson's counsel argued below and also before us that Hainsworth's action in introducing such testimony was a concession on his part that Nelson had established a prima facie case of inoperativeness, and, as we understand it, in effect argues that, for this reason, the Board's decision on this phase of the controversy should be reversed. We think this contention is untenable, and we agree with the statement of the Examiner of Interferences saying:

It would seem obvious * * * that the senior party should be free to establish operativeness of his own application disclosure if he so desires, without thereby being at the disadvantage of having admitted that the junior party had necessarily established a prima facie case.

Hainsworth also constructed an apparatus in conformity with a drawing which he prepared (which drawing is in evidence as Nelson's Exhibit 56) which was introduced in evidence as Hainsworth's Exhibit E. The Examiner of Interferences stated, "This drawing shows a refrigeration apparatus approximating that shown in the Hainsworth application drawing," and this seems to have been conceded by Nelson. It is also stated by the Examiner of Interferences that it was "tested inter partes during the taking of the Hainsworth testimony." As we understand the record, some of the tests which were made, concerning which testimony was adduced, were not made inter partes but were made ex parte in the Servel plant, and no records of those were kept. The inter partes test appears to have been made after Hainsworth's Exhibit E had been modified in certain particulars so that it was in the form shown in a photograph introduced in evidence as Hainsworth Exhibit N. An intermediate form is shown in another photograph introduced as Hainsworth Exhibit T, but we do not understand that there was any inter partes test of the latter form.

In the decision of the Examiner of Interferences it is said:

* * * Ashby, a refrigeration engineer employed by Servel testified that the apparatus was constructed according to the drawing, Nelson Exhibit 56, except for certain changes which included a slight raising of the condenser and the trap at the lower portion of conduit 16 was made somewhat deeper. The pump used to circulate the inert gas was of a positive displacement type having a packing gland around the shaft and being belt driven from a motor. According to the testimony of Ashby this apparatus was tested ex parte and was found to produce refrigeration. He defined refrigeration as any evaporator temperature below the cooling water inlet. No records were apparently kept and the results of the tests were reported orally to Dr. Taylor of the Servel Company. The blades of the pump were graphite lubricated when the pump was assembled and apparently each of the tests on this apparatus terminated with the sticking of the blades. The pump was then disassembled, the blades lubricated and the pump assembled for the succeeding tests. Following these tests, the apparatus was modified by lowering the generator with respect to the absorber and evaporator. Ashby stated the purpose of this modification as follows:

So we could get a steadier liquid circulation. * * * After being modified in this manner the apparatus again allegedly produced refrigeration until the pump failed through the sticking of the blades. Apparently the pump was disassembled, relubricated and another test made with

similar results. According to the testimony of Ashby these tests on the modified apparatus indicated that it was capable of producing refrigeration for a few hours but in each case the testing period was apparently terminated when the pump failed. Ashby testified that he kept Taylor advised concerning the results of these tests but no records were kept.

It appears that after the above tests, a different type of pump (evidently not new in the art), referred to as "the Williams pump" and described by the Examiner of Interferences as a "sealed pump wherein the rotor is driven by means of a magnetic yoke through a nonmagnetic casing," was secured and utilized; that certain internal structural elements susceptible to corrosion by the ammonia solution were replaced; that an oil separator was constructed and installed to provide continuous lubrication to the pump and to separate the lubricant from the circulated gases, and that the evaporator was raised with respect to the absorber. This constituted the device shown in Hainsworth Exhibit T. It was tested ex parte and Ashby testified that refrigeration was produced over a considerable period of time, but no records were kept.

It appears that in the final form, as shown in Hainsworth Exhibit N (the form tested inter partes), the evaporator was further raised and installed in a refrigerator box, and that the entire unit was raised by attaching extensions to its legs, the latter stated to be for preventing the instability of the assembly.

Following the Hainsworth testimony rebuttal testimony was taken on behalf of Nelson, during the taking of which other machines were constructed by Nelson, or his assignee, and introduced in evidence as Nelson's Exhibit 66 (a photograph of same being also introduced as Exhibit 67), 68, 73, respectively. Each of the devices was supposed to correspond to forms of Hainsworth's Exhibit E, and each was tested both ex parte and inter partes. It was pointed out by the Examiner of Interferences that " * * * it does not appear that this Exhibit 66 of Nelson was in all respects identical with Hainsworth Exhibit E although the general construction appears to be the same. * * * " Discussing the testimony concerning this exhibit, the Examiner said:

" * * * According to the testimony, it appears that some initial refrigeration was produced which was probably of the flash variety. This appeared to take place whether heat was supplied to the boiler or not. Where the boiler was heated, intermittent and erratic temperatures apparently followed. It appears further that the solution head in the generator was low and that solution flow did not take place according to theory. The pump appears to have been relatively unsatisfactory since the rotor seized and the gland leaked despite the use of water cooling and graphite lubrication.

Concerning Nelson's Exhibit 68, the Examiner of Interferences said, in substance, that it was constructed according to the Hainsworth drawing, Exhibit L, and therefore conformed essentially to the Exhibit T form of Hainsworth's Exhibit E, but added that it "differed in some measurements."

He further said:

" * * * According to the testimony it appears that intermittent refrigeration was produced but the apparatus was apparently not in equilibrium and solution line temperatures fluctuated considerably. Considerable solution

collected in the oil separator and oil apparently found its way into other parts of the apparatus. This would indicate that the oil separator was not wholly satisfactory and that continuous lubrication could probably not be maintained.

With respect to the final form of the Hainsworth device produced by Nelson (Nelson's Exhibit 73), the Examiner of Interferences stated:

" * * * Hainsworth's application disclosure was apparently followed as closely as possible. A Sunbeam positive displacement vane type pump was used as before but instead of using a sealed type of pump as in Exhibit 66 the pump was driven by a motor with the shaft passing through a bellows seal and the motor was sealed in a separate container maintained at approximately the pressure existing in the apparatus. An oil separator was installed as in Exhibit 68 and in the Hainsworth Exhibit E. This apparatus was subjected to extensive tests, both ex parte and inter partes, the results of which appear in Nelson Exhibit 74 and 80 respectively. In the first ex parte tests there was apparently an initial flash refrigeration whereupon there followed a period of twenty-six hours with no refrigeration except for two short periods when the evaporator temperature dropped slightly below the cooling water temperature. In the tests on this Exhibit 73, it appears also that liquid collected in the oil separator with the result that more liquid had to be added to the apparatus.

After reciting in some detail the rebuttal testimony introduced by Nelson, the Examiner of Interferences continued:

It is believed " * * * that a refrigeration apparatus to be operative, must produce evaporator temperatures that are reasonably below that of the cooling water or air and that the functioning of the apparatus must approach an equilibrium which would indicate that solution and gas circulation is relatively constant. Conversely, an absorption apparatus that fails to meet these qualifications, that shows erratic temperature fluctuations of the evaporator and fluid lines when the load and input remains constant or one which shows only an initial period of refrigeration after the apparatus is charged is believed to indicate that it is basically inoperative in the sense that design changes would be necessary to make it operate properly.

A distinction is here made between the terms operativeness and efficiency. The latter term is ordinarily understood to mean the ratio of output to input or in the case of a refrigeration apparatus it would probably represent the relative amount of cooling produced with a given energy input.

Many decisions refer to the fact that an apparatus need not function perfectly to be operative. These decisions, however, are believed to refer principally to efficiency and are accordingly not believed to be very pertinent where the question involves erratic operation or where the device fails to operate as planned.

On this basis it is believed that the apparatus (Exhibits 67, 68, and 73) constructed and tested by Nelson inter partes were inoperative. It would also appear that Exhibits 68 and 73 which approached the Hainsworth application drawing most closely in construction gave the poorest performance when subjected to tests. For this reason it is believed that the construction and testing inter partes of Nelson's Exhibits 68 and 73 established a prima facie case of inoperativeness of the Hainsworth application disclosure. Moreover, it is believed that the Hainsworth Exhibits E fail to successfully rebut this showing.

As has been stated, the Examiner of Interferences was of the opinion that Nelson's original evidence failed to establish prima facie that the Hainsworth system as disclosed in the Hainsworth application was inoperative (a conclusion in which the Board, of course, concurred), but he held that the rebuttal testimony taken together with the Hainsworth evidence and Nelson's original evidence did establish a prima facie case, and the Board disagreed with that holding.

In its decision the Board expressed doubt as to whether the rebuttal testimony of Nelson should be considered, saying:

" * * * At best it is doubtful if this alleged rebuttal testimony has any standing at all in this case. * * * "

Notwithstanding the doubt expressed, the Board did, in fact, consider the rebuttal testimony, and held:

" * * * It is our view that this testimony is no different from Nelson's prima facie case in that it was directed to the same end as his testimony in chief.

In discussing the Hainsworth device, Exhibit E, and the testimony relating thereto, the Board said, inter alia:

The Examiner of Interferences has held, however, that the Hainsworth Exhibit E as finally adjusted and tested was a material departure from that shown in the application disclosure. We are unable to agree with this conclusion. * * * In both cases, the drawings are diagrammatic or schematic. It has been the practice of this Office to accept such drawings and it is generally recognized that in converting the abstract ideas conveyed by this type of illustration into concrete apparatus requires the exercise of considerable ingenuity on the part of those skilled in this art. The Hainsworth disclosure shows how the boiler, condenser, evaporator and absorber should be coupled so that the fluids might circulate in the manner described. No mention is made in the Hainsworth application as to the relative levels of the parts mentioned, but it would be obvious to one skilled in this art, such as Dr. Ashby, that these parts should be at such relative heights that the strong aqua would flow back by gravity from the absorber to the boiler and that perhaps several trials would have to be made before the best results could be obtained and this would also be true as to the adjustment of the evaporator and absorber. The record shows that Dr. Ashby and his assistant Soroka did this without the assistance of the inventor.

It was mainly on this matter of relative levels that the Examiner of Interferences based his decision as to inoperativeness of the Hainsworth disclosure, and it was on this point we hold that the Examiner of Interferences was in error. For reasons stated above we are convinced that, as filed, the Hainsworth application does disclose an operative machine and that it will operate in the manner described.

We believe that it is generally recognized that machines of the type in issue are difficult to construct so as to operate as efficiently as other forms of refrigerating machines now available. The pressures employed are very high, often in the neighborhood of from 200 to 300 per square inch, and the differences in pressure created by the circulating pump must be small. Therefore, the slight changes in level of the boiler, evaporator and absorber may easily cause serious disturbances in the circulation of the absorbing medium and the gases. In building and testing N Exhibits 66, 67 and 73, Nelson had no incentive to make the machines work and it was not remarkable that said machines did not work efficiently, but even so, they would produce refrigeration at times.

A number of the devices constructed by Nelson and introduced in evidence as exhibits above identified, and one by Hainsworth (Exhibit E, in which were embodied features identified as Hainsworth Exhibits O and S), were displayed before us and explained in great detail in the oral presentation of the case. In consequence of such presentation we feel that we have a fair conception of the structures.

We think it clear that no device, conforming in minute detail to the Hainsworth application is shown to have been constructed by either party.

[4] On the other hand, we think it is also clear from the evidence that devices which closely approached the drawings of the Hainsworth application were constructed and that they produced refrigeration to an extent sufficient to demonstrate operativeness, and we feel constrained to agree with the holding of the Board to the effect that the modifications made were within the purview of those skilled in the art. We, therefore, sustain the Board's view upon this phase of the controversy.

[5] It is not deemed necessary to dwell at length

upon the other phases of the controversy upon which there was complete agreement by the respective tribunals of the Patent Office. No useful purpose would be served by a detailed rehearsal here of the testimony and arguments concerning them.

Certain sketches introduced in evidence as Nelson's Exhibits 6, 7, and 8 were relied upon to establish Nelson's conception at least as early as October 5, 1931. These sketches were discussed at length by the Examiner of Interferences in his original decision and in a supplemental decision in response to a petition for rehearing and the particular features which he deemed to be lacking were pointed out in detail. The Board likewise analyzed them, saying, inter alia:

" * * * Nelson's Exhibit 6 dated February 24, 1931 was a crude freehand sketch disclosing in a general way how the various parts of a refrigerating machine could be assembled but there was no written description of same. Nelson testified at length regarding the operation of the mechanism disclosed in these sketches but there are no records to show that he described the same to others at the time these sketches were made.

On October 3 and 5, 1931 Nelson prepared sketches N Exhibits 7 and 8. The first merely shows details of the absorber while Exhibit 8 is a close resemblance of the application drawings but lacks certain essential features fully set forth in the decision of the Examiner of Interferences.

We fully agree with the Examiner of Interferences that the showing made in these three exhibits is insufficient to establish reduction to practice under the doctrine set forth in *Mergenthaler v. Scudder*. Appellee contends at some length that he should be permitted to combine these early sketches for the purpose of showing conception and, in addition, these certain features from prior patents and has cited *Standard Cartridge Company v. Peters Cartridge Company*, 77 Fed. 630; 1897 C. D. 257. The subject matter in issue in that case was a cartridge filling machine which had reached a high stage of development. Machines of this kind are purely mechanical in action and, hence, the presence or absence of small conventional details were of no great moment.

The refrigerating machines of the type in issue here are of rather recent development and according to the testimony in the record, no machines of either the Nelson or the Hainsworth type have been placed on the market. From a theoretical point of view both machines, if made in accordance with the application drawings, should be capable of successful operation and the Primary Examiner has so held.

The N Exhibit 8 omits the drain to remove excess solution from the evaporator. Otherwise, this sketch shows a close approximation to Nelson's application drawings. The drain is deemed to be essential to the successful operation of the Nelson machine. Nelson contends that such a drain is disclosed in certain prior art disclosing somewhat similar machines but it is noted that the Munters and Altenkirch patents relied on are quite different in structure. We feel the same as the Examiner of Interferences that the strict rule laid down by the Court of Appeals D. C. in the *Mergenthaler v. Scudder* case should be followed here. According to this decision, it would be improper to combine the showing in these three exhibits with certain other prior art to establish conception of the invention.

Appellant's extensive argument on this point has received our careful study but we are not convinced that the tribunals of the Patent Office erred either as to findings of fact or as to the law applicable under such findings.

With respect to actual reduction to practice, appellant relied upon an apparatus which he caused to be constructed in 1932, introduced in evidence as Nelson's Exhibit 24. Upon the basis of the testimony concerning its operation the Board found that no refrigeration was produced, but pointed out that no structure was embraced in the exhibit which responded to the feature of the involved count, reading:

* * * means for circulating absorption liquid between the boiler and the absorber and utilizing the gas at the raised pressure to promote the liquid circulation.

The foregoing is a limitation which, under the well-settled rule, may not be disregarded in an interference proceeding.

We, therefore, agree that Nelson must be confined to his filing date for both conception and reduction to practice.

The remaining questions posed by Nelson—originality, estoppel, and ownership—grow out of a certain contract or license agreement, which is described and passed upon by the Board as follows:

It appears from the record that in February, 1933 the Hoover Company, the assignee of Nelson, and Servel, Inc., the assignee of the party Hainsworth, entered into a license agreement with respect to certain patented inventions and also certain other data regarding ideas in this field which had not yet been embodied in patent applications. One of these ideas was represented by sketches N Exhibits 6 and 7. It appears that there is no question but that representatives of Servel, Inc., did see these sketches at the time stated. Nelson contends that since Hainsworth had knowledge of these sketches at the time stated, he is now estopped from claiming to be the first inventor of same. The Examiner of Interferences has gone into this matter in considerable detail and we agree with his conclusions thereon that the party Hainsworth is not estopped, for as stated above, we must hold that N Exhibits 6 and 7 do not disclose the subject matter in issue and therefore the license agreement cannot act as an estoppel against Hainsworth.

This conclusion also takes care of the matter of originality. If N Exhibits 6 and 7 do not disclose the issue, then Hainsworth could not have obtained knowledge of the count in issue from the party Nelson. We also agree with the Examiner of Interferences that Hainsworth's Exhibit A1 was far closer to Hainsworth's application drawing than Nelson's Exhibits 6 and 7.

We are in agreement with the foregoing, and it is our view that the reasoning underlying the holding applies equally to the matter of ownership.

The decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE JONES

No. 4,975. Decided February 7, 1945. Petition for rehearing denied May 22, 1945

[149 F.(2d) 501; 65 USPQ 480]

1. WORDS AND PHRASES—"HOMOLOGOUS SERIES" AND "HOMOLOGY."

Upon the basis that "standard works on organic chemistry should be considered as preferable authority to an ordinary dictionary definition" Held that benzene, naphthalene and anthracene do not comprise an homologous series; and Held that "there is no homology relationship between benzene and its derivatives, as shown in the references, and naphthalene and its derivatives, as shown in appellant's application."

2. PATENTABILITY—NAPHTHYL COMPOUNDS.

The compounds 1-naphthyl methyl thiocyanate and 1-naphthyl methyl isothiocyanate, claimed by appellant in claims 1, 2, and 3 of his application, Held patentable over the compounds benzyl thiocyanate and benzyl isothiocyanate, disclosed in the references.

3. SAME—"PRODUCT-USE" CLAIMS—MULTIPLICITY.

In regard to appellant's claims 4, 5, and 6 calling for an insecticidal and fungicidal composition having either naphthyl methyl thiocyanate or naphthyl methyl isothiocyanate as an active ingredient, and claims 7, 8, and 9 calling for a growth regulating composition having one or the other compound as an active ingredient, Held "that they are 'product-use' claims, and would only cause multiplicity where the product per se is held to be new and patentable."

APPEAL from the Patent Office. Modified.

Messrs. Caesar and Rivise (Mr. Charles W. Rivise and Mr. A. D. Caesar of counsel) for Jones.

Mr. W. W. Cochran (Mr. E. L. Reynolds of counsel) for the Commissioner of Patents.

JACKSON, J.:

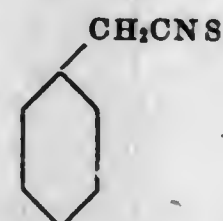
This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner rejecting all of the claims, 1 to 9 inclusive, of an application for a patent for "Compositions of Matter and Methods of Making Said Compositions," as unpatentable over the prior art, which is as follows: Henry, "Berichte," volume 2, page 637; Behrend et al., "Annalen," volume 344, pages 24 and 25; Taube et al., 1,841,458, January 19, 1932; Skrbensky, 2,051,460, August 18, 1936; Murphy, 2,135,987, November 8, 1938; Dustman, 2,213,809, September 3, 1940.

The involved claims are all product claims and read as follows:

1. The chemical individual selected from the group consisting of naphthyl methyl thiocyanate and naphthyl methyl isothiocyanate.
2. 1-naphthyl methyl thiocyanate.
3. 1-naphthyl methyl isothiocyanate.
4. An insecticidal and fungicidal composition having as an active ingredient thereof a substance selected from the group consisting of naphthyl methyl thiocyanate and naphthyl methyl isothiocyanate.
5. An insecticidal and fungicidal composition having as an active ingredient thereof 1-naphthyl methyl thiocyanate.
6. An insecticidal and fungicidal composition having as an active ingredient thereof 1-naphthyl methyl isothiocyanate.
7. A growth regulating composition for plants having as an active ingredient thereof a substance selected from the group consisting of naphthyl methyl thiocyanate and naphthyl methyl isothiocyanate.
8. A growth regulating composition for plants having as an active ingredient thereof 1-naphthyl methyl thiocyanate.
9. A growth regulating composition for plants having as an active ingredient thereof 1-naphthyl methyl isothiocyanate.

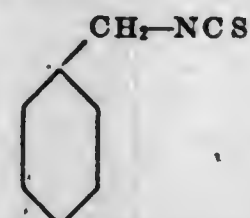
The application relates to compositions of matter used as insecticides, fungicides and growth regulants for plants.

The Henry reference, the date of which has not been given, discloses the chemical compound, benzyl thiocyanate, which has the formula



and is prepared by reacting benzyl chloride with potassium sulfocyanate.

The Behrend et al. reference, which likewise is without date in the record, discloses the compound benzyl isothiocyanate, bearing the formula



It is prepared by heating benzyl thiocyanate.

The Taube et al., Skrbensky, Murphy and Dustman references disclose the use of various thio-

cyanates as insecticides and for improving plant life.

There is nothing in the prior art to indicate that insecticides or plant-improving compounds containing thiocyanates or isothiocyanates necessarily or inherently are fungicides.

The Examiner rejected all of the claims as unpatentable over the Henry, Behrend et al. or Taube et al. references. Claims 4 to 6 were further rejected on the Taube et al. and Murphy patents, for the reason that the compounds of those patents are shown to have insecticidal and fungicidal properties. Claims 7 to 9 were further rejected on the Dustman and Skrbensky patents for the reason that those patents show that organic thiocyanates are known to have growth-regulating properties.

Claims 4 to 9 were also rejected as unpatentable over claims 1, 2 and 3, for the reason that one skilled in the art would know that naphthyl methyl thiocyanates could be used as insecticides and growth-regulating agents, as shown by the Taube et al., Murphy, Dustman and Skrbensky patents. The Examiner also held claims 4 to 9 unnecessary and merely leading to multiplication of claims.

Claims 2, 5 and 8 were further rejected by the Examiner for the reason that they do not read on the elected species, appellant having elected the species specific to isothiocyanates. Should generic claim 1 be allowed it would carry with it the allowance of claim 2.

The Board of Appeals affirmed the Examiner's decision in general language, stating, however, that it had not overlooked the superiority of appellant's compounds over those of the references from the standpoint of utility in killing insects. In this connection it stated: "However, the difference in potency referred to in appellant's brief is not so startling as to indicate any new or unobvious result, but would appear to be only such a difference as might be expected between compounds even in the same homologous series."

The prior art nowhere discloses appellant's products. Therefore the sole issue here is whether or not it would be obvious for a skilled chemist to produce appellant's compounds in view of such art.

The benzyl thiocyanate of the Henry reference differs from the 1-naphthyl methyl thiocyanate of the application in that in the former CH_2SCN is bonded to a single benzene ring while in the latter the $\text{CH}_2\text{—SCN}$ is joined to a double condensed benzene ring.

The Behrend et al. benzyl isothiocyanate differs from the 1-naphthyl methyl isothiocyanate of appellant in that in the former $\text{CH}_2\text{—NCS}$ is bonded to a benzene ring while in the latter CH_2NCS is bonded to a double condensed benzene ring.

The claimed compounds contain the naphthyl radical, a derivative of naphthalene, while the compounds of the Henry and Behrend et al. references contain the phenyl radical, a derivative of benzene.

It was held below that one skilled in the art would realize that the compounds of appellant could

be prepared by the method disclosed in the Henry or Behrend et al. publications, and that it would not involve invention to make such experiment and find it successful. The claims here, however, are not for a process. They are product claims, and those products are new.

While it is true, as stated by the tribunals below, that naphthalene closely resembles benzene in behavior and that similar types of derivatives from the former may be similar to the latter (see Bernthsen, A Textbook of Organic Chemistry, 1931, page 526), it is also true according to the same authority (page 529) that "This union of two benzene nuclei is accompanied by a modification of their properties, so that naphthalene and its derivatives differ characteristically from benzene in many respects."

It was held below that Benzene, naphthalene and anthracene are members of the same series. We do not find this to be so stated in any of the chemical authorities available to us. It seems to be generally recognized by the authorities on organic chemistry that the melting point of benzene is about 5.5° and its boiling point about 79.6°, while naphthalene melts at about 80° and boils at about 218°. Anthracene melts at about 218° and boils at about 342°. These differences, in our opinion, certainly show an important characteristic difference between benzene, naphthalene and anthracene.

[1] We are of opinion that benzene, naphthalene and anthracene do not comprise an homologous series. The difference in formula between each of those three substances is C_6H_2 .

Appellant contends that to be homologous the difference in successive compounds must be CH_2 . He cites many standard chemical authorities supporting such contention, among them being Holleman and Walker, A Textbook of Organic Chemistry, 1920, page 41; Fuson and Snyder, Organic Chemistry, 1942, page 10; and Bernthsen, A Textbook of Organic Chemistry, 1931, pages 20 and 21.

The Solicitor disagrees with this contention and quotes the definition of "homology" from Webster's New International Dictionary, 1940—"The relation existing between the compounds of a series whose successive members possess, in addition to similarity in structure, a regular difference in formula. It is usually attended by a regular variation in physical properties. The term is used especially with reference to a series of compounds in which the regular difference is CH_2 ." He also quotes from Chamberlain, A Textbook of Organic Chemistry, Third Edition Revised, 1934, page 21, the definition of "homologous series" as "A series of compounds, the members of which differ in composition by a constant amount, and whose physical constants change uniformly, * * *." The Solicitor argues that those definitions clearly include series in which the members differ successively by C_6H_2 .

While it could be concluded that the argument of the Solicitor is correct, nevertheless in our opinion standard works on organic chemistry should be considered as preferable authority to an ordi-

nary dictionary definition. While Chamberlain's Organic Chemistry defines "homologous series" broadly, as quoted by the Solicitor, in all the series listed in that publication the members differ successively by CH_2 . The homologs of benzene listed therein (benzene, toluene, xylene, mesitylene, etc.) have successive increments of CH_2 . Neither naphthalene nor anthracene is listed therein.

Furthermore, in the authorities on organic chemistry that have been cited or are available to us, benzene, naphthalene and anthracene are not discussed together, but in distinct and separate parts of the publications. It would seem that if there was a relationship between benzene and its derivatives and naphthalene and its derivatives, as was held below, and if there were more than one type of homologous series, such would be set forth by the authorities. Therefore we hold that there is no homology relationship between benzene and its derivatives, as shown in the references, and naphthalene and its derivatives, as shown in appellant's application.

The Examiner held that the compounds of the application are closely similar to the compounds of the Henry and Behrend et al. references, and are identical with the latter in their primary characteristics. He held those reference compounds and the claimed compounds to be in the same class, in that both are aryl methyl thiocyanates, containing the identical thiocyanate radical connected through a methylene ($-\text{CH}_2-$) radical to an aryl nucleus. He stated that the difference between the benzene nucleus of the benzyl compounds and the double condensed ring nuclei of the naphthyl compounds is a secondary matter. As illustrative of that last statement he instanced the following series:

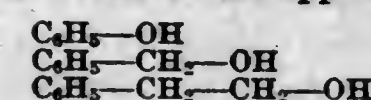
Ethyl alcohol, $\text{C}_2\text{H}_5\text{OH}$
 Propyl alcohol, $\text{CH}_3-\text{CH}_2-\text{OH}$
 Butyl alcohol, $\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{OH}$
 Amyl alcohol, $\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{OH}$
 Hexyl alcohol, $\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{OH}$

Counsel for appellant has stated in his brief that the formula for ethyl alcohol should be broken down for purposes of clarity to read $\text{CH}_3-\text{CH}_2-\text{OH}$, and that the formula for propyl alcohol is incorrectly stated by the Examiner and should read



The Examiner pointed out that all of those compounds possess the properties of aliphatic alcohols, and that the different hydrocarbon residue causes only a slight difference in degree between the different members of that homologous series. Counsel for appellant pointed out that the Examiner omitted from that series its first member, methyl alcohol, CH_3-OH . It is obvious that methyl alcohol differs from ethyl alcohol in kind, and not merely in degree.

Counsel for appellant has argued, and we think with propriety, that the Examiner should have taken a series from the aryl group. If this had been done the homologous series would appear to be:



The first compound of that series is carboic acid, while the second and third are alcohols.

From what has been said we cannot agree with the Examiner in holding that the difference between the benzene nucleus and the double condensed ring nuclei is but a secondary matter.

[2] For the reasons hereinbefore given we hold that it involved invention to produce 1-naphthyl methyl thiocyanate and 1-naphthyl methyl isothiocyanate, and the decision of the Board of Appeals will be reversed as to claims 1, 2, and 3.

[3] With respect to claims 4 to 9 inclusive we are in agreement with the tribunals of the Patent Office in holding that they are "product-use" claims, and would only cause multiplicity where the product per se is held to be new and patentable. It is trite to state that a patentee is entitled to every use of which his invention is susceptible, and claims 4 to 9 are merely for such use.

It is not necessary to discuss any of the other cited prior art, since those patents illustrate the use of other compounds as insecticides and growth-regulants.

The decision of the Board of Appeals is reversed with respect to claims 1, 2 and 3, and affirmed with respect to claims 4 to 9 inclusive.

Modified.

U. S. Court of Appeals for the District of Columbia

MAS

v.

UNITED STATES OF AMERICA

No. 8,954. Decided August 27, 1945

[— F.(2d) —; 66 USPQ 350]

1. CRIMES—FILING FALSE STATEMENTS.

The count of an indictment charging that in an interference proceeding in the United States Patent Office, appellant filed certain false, fraudulent and fictitious statements, *Held* to be within § 35 (A) of the Criminal Code, 18 U. S. C. § 80, 52 Stat. 197, which prohibits making such statements "in any matter within the jurisdiction of any department or agency of the United States."

2. SAME—FORGERY.

"Other counts on which appellant was convicted charge that he uttered certain forged documents, in the Patent Office proceeding, 'with intent to defraud and injure.' These charges are within the forgery section of the District of Columbia Code, § 22-1401, 31 Stat. 1326, § 843. It was not necessary to name the persons whom appellant intended to defraud and injure."

3. EVIDENCE—EXCLUSION.

"Appellant complains that the court did not permit his witnesses to testify to threats against them, and statements attacking his patent application, which he says were made by representatives of a corporation opposed to him in the Patent Office proceeding. But appellant does not contend that these alleged threats and statements resulted either in false testimony or in failures to testify. Accordingly they were either irrelevant or so remotely connected with the case that their exclusion was proper."

4. SAME—SAME—OFFER OF PROOF.

Where appellant complained that the trial court did not let him explain the circumstances of his previous conviction of forgery; but appellant's trial counsel, though expressly invited to make an offer of proof, declined to disclose the explanation which appellant wished to make, *Held* that "we must infer that appellant was not prejudiced by the court's ruling."

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. P. Bateman Ennis for Mas.

Mr. Edward M. Curran, United States Attorney, Mr. Bernard Margolius, Assistant United States Attorney, and Mr. Charles B. Murray, Assistant United States Attorney, for the United States of America.

Before GRONER, Chief Justice, and MILLER and EDGERTON, Associate Justices

EDGERTON, J.:

[1][2] Appellant was convicted on several counts of an indictment. One count charges that in an interference proceeding in the United States Patent Office, appellant filed certain false, fraudulent and fictitious statements. This charge is within § 35 (A) of the Criminal Code, 18 U. S. C. § 80, 52 Stat. 197, which prohibits making such statements "in any matter within the jurisdiction of any department or agency of the United States." Appellant's attack upon the count involves immaterial distinctions between the Patent Office and the Commissioner of Patents or between different kinds of "matter" or "jurisdiction." Other counts on which appellant was convicted charge that he uttered certain forged documents, in the Patent Office proceeding, "with intent to defraud and injure." These charges are within the forgery section of the District of Columbia Code, § 22-1401, 31 Stat. 1326, § 843. It was not necessary to name the persons whom appellant intended to defraud and injure. *Read v. United States*, 55 App. D. C. 43, 299 Fed. 918; *Milton v. United States*, 71 App. D. C. 394, 110 F.(2d) 556.

[3] Appellant complains that the court did not permit his witnesses to testify to threats against them, and statements attacking his patent application, which he says were made by representatives of a corporation opposed to him in the Patent Office proceeding. But appellant does not contend that these alleged threats and statements resulted either in false testimony or in failures to testify. Accordingly they were either irrelevant or so remotely connected with the case that their exclusion was proper.

[4] The prosecution showed by cross-examination of appellant that he had been convicted of forgery. He complains that the court did not let him explain the circumstances of this previous conviction. We have decided, after the present case was tried in the district court, that "with a due regard to the penalties of perjury" a witness may extenuate or deny his guilt of a previous offense. *United States v. Boyer*, — U. S. App. D. C. —. But appellant's counsel—who was not his present counsel—though expressly invited to make an offer of proof, declined to disclose the explanation which appellant wished to make. In these circumstances we must infer that appellant was not prejudiced by the court's ruling. "A ruling of the court that a question propounded by a party to his own witness should not be answered must be followed by an

offer of the testimony expected, or by something which would clearly indicate it, if it is desired to reserve the point for review in this court." *McCurley v. National Savings & Trust Co.*, 49 App. D. C. 10, 12, 258 Fed. 154.

Appellant's other contentions are also without merit.

Affirmed.

Disclaimers

Des. 136,427.—William Burton, Chicago, Ill. WALLPAPER BORDER OR SIMILAR ARTICLE. Patent dated Oct. 5, 1943. Disclaimer filed Sept. 8, 1945, by the inventor and the assignee, *Trimz Company, Inc.*

Hereby enter this disclaimer to the claim in said specification.

Des. 136,428.—William Burton, Chicago, Ill. WALLPAPER BORDER OR SIMILAR ARTICLE. Patent dated Oct. 5, 1943. Disclaimer filed Sept. 8, 1945, by the inventor and the assignee, *Trimz Company, Inc.*

Hereby enter this disclaimer to the claim in said specification.

Des. 136,431.—William Burton, Chicago, Ill. WALLPAPER BORDER OR SIMILAR ARTICLE. Patent dated Oct. 5, 1943. Disclaimer filed Sept. 8, 1945, by the inventor and the assignee, *Trimz Company, Inc.*

Hereby enter this disclaimer to the claim in said specification.

Des. 136,432.—William Burton, Chicago, Ill. WALLPAPER BORDER OR SIMILAR ARTICLE. Patent dated Oct. 5, 1943. Disclaimer filed Sept. 8, 1945, by the inventor and the assignee, *Trimz Company, Inc.*

Hereby enter this disclaimer to the claim in said specification.

Des. 136,482.—William Burton, Chicago, Ill. WALLPAPER BORDER OR SIMILAR ARTICLE. Patent dated Oct. 12, 1943. Disclaimer filed Sept. 8, 1945, by the inventor and the assignee, *Trimz Company, Inc.*

Hereby enter this disclaimer to the claim in said specification.

Des. 136,485.—William Burton, Chicago, Ill. WALLPAPER BORDER OR SIMILAR ARTICLE. Patent dated Oct. 12, 1943. Disclaimer filed Sept. 8, 1945, by the inventor and the assignee, *Trimz Company, Inc.*

Hereby enter this disclaimer to the claim in said specification.

Des. 136,542.—William Burton, Chicago, Ill. WALLPAPER BORDER OR SIMILAR ARTICLE. Patent dated Oct. 26, 1943. Disclaimer filed Sept. 8, 1945, by the inventor and the assignee, *Trimz Company, Inc.*

Hereby enter this disclaimer to the claim in said specification.

Des. 136,545.—William Burton, Chicago, Ill. WALLPAPER BORDER OR SIMILAR ARTICLE. Patent dated Oct. 26, 1943. Disclaimer filed Sept. 8, 1945, by the inventor and the assignee, *Trimz Company, Inc.*

Hereby enter this disclaimer to the claim in said specification.

Des. 136,546.—William Burton, Chicago, Ill. WALLPAPER BORDER OR SIMILAR ARTICLE. Patent dated Oct. 26, 1943. Disclaimer filed Sept. 8, 1945, by the inventor and the assignee, *Trims Company, Inc.*

Hereby enter this disclaimer to the claim in said specification.

Des. 136,573.—William Burton, Chicago, Ill. WALLPAPER BORDER OR SIMILAR ARTICLE. Patent dated Oct. 26, 1943. Disclaimer filed Sept. 8, 1945, by the inventor and the assignee, *Trims Company, Inc.*

Hereby enter this disclaimer to the claim in said specification.

T-M. 328,886.—Oldetyme Distillers, Inc., New York, N. Y. WHISKY. Registered Oct. 8, 1935. Disclaimer filed Sept. 1, 1945, by the assignee, *Three Feathers Distributors, Inc.*

Hereby disclaims any right to the word "PERFECTION" except in the precise relation, association and arrangement in which the same appears herein.

2,203,482.—Focsaneanu Alexander, New York, N. Y. GASEOUS CONDUCTION LAMP. Patent dated June 4, 1940. Disclaimer filed Aug. 21, 1945, by the assignee, *General Electric Company.*

Hereby disclaims from the scope of claims 1, 2 and 3 of said Letters Patent any gaseous conduction lamp having a starting circuit which includes auxiliary mechanism in said starting circuit to start the lamp in operation or auxiliary mechanism in said starting circuit to start and keep the lamp in operation.

2,280,026.—Charles H. Brown, Baldwin, N. Y. ULTRA SHORT WAVE SYSTEM. Patent dated Apr. 14, 1942. Disclaimer filed Sept. 6, 1945, by the assignee, *Radio Corporation of America.*

Hereby enters this disclaimer to claim 10 of said Letters Patent.

2,322,255.—George M. Rickus, Norwalk, Conn. FABRIC, HAT, AND METHOD OF MAKING THE SAME. Patent dated June 22, 1943. Disclaimer filed Sept. 11, 1945, by the assignee, *Hat Corporation of America.*

Hereby enters this disclaimer to claims 15, 16, 17, and 18 of the patent.

2,324,599.—Carl F. Schorn, Detroit, Mich. PRESSURE CARBURATOR. Patent dated July 20, 1943. Disclaimer filed Sept. 7, 1945, by the inventor; the assignees, *George M. Holley and Earl Holley*, consenting.

Hereby enters this disclaimer to claims 1 and 2 of said patent.

Register of Patents Available for Licensing or Sale

Pat. 2,376,811. TYPE SIZE AND SPACE GAUGE. Patented May 22, 1945. A transparent type gauge which may be used readily to determine not only point size of type from the printed page, but space between lines of type, or space between type lines and illustrations, etc., based on the "point" system common to the printing trade, by means of bars of accurate size printed on the gauge. (Owner) Irving F. T. Rigby, 41 Franklin St., Stamford, Conn. Groups 27—11—51; 28—83. Reg. No. 407.

Pat. 2,336,506. SURFACE PLATE. Patented Dec. 14, 1943. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Box-like table, consisting of top, lower, side and end surfaces, connected by internal webs, supporting small uniform rectangular areas. Useful wherever an accurate and distortion-proof surface is needed, such as for layout work in machine shops. Symmetry is carefully maintained, furnishing a rigid surface. (Owner) Harold E. Saunders, David Taylor Model Basin, Washington 7, D. C. Groups 33—73; 35—69—42. Reg. No. 408.

Pat. 2,378,412. APPARATUS FOR HYDRODYNAMIC-TESTING OF SHIP MODELS. Patented June 19, 1945. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Fluid flow meter for testing ship models and various nautical devices in a still-water testing basin, equipped with carriage for towing or guiding models along predetermined course, through water in basin. Meter measures any flow of water in basin in direction of course. A tachometer for measuring rate of rotation of propeller relative to the shaft. (Owner) Charles A. Lee, David Taylor Model Basin, Washington 7, D. C. Groups 35—65; 39—11; 37—31—32. Reg. No. 409.

Pat. 2,369,138. COUPLING MEANS. Patented Feb. 13, 1945. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Useful in the amplification of changes in direct or alternating currents or voltages. It is self stabilizing as it is not likely to be affected by changes in power supply, temperature or tube characteristics. Provides means for maintaining zero signal potential drop across an impedance where change in average potential level is permitted to occur, usually from higher to lower level. An improved device for transformation of signal voltages from higher to lower level. (Owner) George W. Cook, David Taylor Model Basin, Washington 7, D. C. Group 36—61—62—92. Reg. No. 410.

Pat. 2,141,175. DISTANT READING ELECTROMAGNETIC BALANCE. Patented Dec. 27, 1938. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Apparatus for weighing which accurately indicates weight or force at point distant from place where weighing is actually being done, when balances are so located as not to be conveniently accessible. Practically free from external electrical, magnetic or other variable influences, including inherent friction. Capable of sensitive accuracy even when functioning while submerged in water, other liquids, or gases. (Owner) Samuel E. Dawson, David Taylor Model Basin, Washington 7, D. C. Group 35—43—74. Reg. No. 411.

Pat. 2,370,725. WIRE CONNECTOR. Patented March 6, 1945. For rapidly splicing together electrical conductors. Ends of conductors are inserted in tube from opposite sides past downwardly struck tongues which bite slightly into conductors. In response to outward pull on conductors tongues will bend rearwardly and downwardly and force conductors through oval shaped slots in tube thus forming substantially V formation, ends of tongues engaging apex of V. Such connection is rigid and secure without use of solder but is designed so that it may be reinforced with solder if desired. (Owner) Herman L. Gordon, 100 Normandy Drive, Silver Spring, Md. Group 36—11. Reg. No. 412.

Pat. 2,380,592. PIEZOELECTRIC CRYSTAL HOLDER. Patented July 31, 1945. Holder comprises two identical sub-assemblies each having a segment and an electrode carrying resilient spring portions. In assembling, crystal plate is placed against electrode of first assembly. Deformable gasket ring is then fitted into groove on first assembly and second assembly joined thereto, crystal plate being held between the electrodes. Electrodes and segments are provided with shoulders to hold plate in place. A plate or band is slipped over two assemblies, forced into position in grooves in each segment and maintains holder in assembled relationship. Moisture is effectively excluded from holder. Holder may be assembled by unskilled operator. Plate or band may carry indicia. (Owner) Herman L. Gordon, 100 Normandy Drive, Silver Spring, Md. Group 36—11—13. Reg. No. 413.

Pat. 2,232,316. INSTRUMENT FOR MEASURING HUMAN DEFICIENCIES OF CHEMICALS IN THE BLOOD. Patented Feb. 18, 1941. Device comprises tubular section leading to box provided with means for producing inside glare, blacking out glare, and dimly illuminating letter. Controls for glare, light valves and illumination are located outside on top of box. In test, person gazes into device at glare for twenty seconds. Glare is then blacked out and a dimly illuminated letter appears for identification. The time it takes to recognize letter determines result of test. Person who takes four seconds or less is considered normal. When reading runs to 20 or 30 seconds it is common to find not only Vitamin A deficiency but ailments resulting therefrom. Persons with faulty vision can also be tested. Test takes less than a minute. Timing device may be attached if desired. (Owner) Carlton Deederer, 139 S. E. 3rd St., Miami 36, Florida. Groups 28—83; 39—13—15. Reg. No. 414.

Pat. 2,228,971. BURGLARPROOF LOCK. Patented Jan. 14, 1941. Device provides additional automatic locking means for conventional locks of the type which have a cylinder carrying bolt actuating mechanism, usually termed "Yale". Two pivoted bolt members inside lock are normally held inoperative by the cylinder. When cylinder is forcibly removed bolt members become operative and cooperate so that one member drops into position back of shoulder of locking bolt thus preventing withdrawal of the bolt. (Owner) Jess E. Pankratz, % City Key & Locksmithing Co., 21 East Street, New Castle, Pa. Groups 24—31; 33—59. Reg. No. 415.

Pat. 2,035,959. ELECTRIC PRESSER AND IRONER. Patented March 31, 1936. Steam is generated within the device for heating, dampening and pressing. Top roll rotates over stationary bed, the central portion conforming to contour of roll, while outer edges curve downwardly to facilitate insertion of garments. Roll can be easily raised and lowered. Electric motor powers top roll while conventional electric heating unit generates steam. Its compactness, portability and efficiency recommends it to a person who occasionally presses trousers and other articles of clothing at home or elsewhere. Is equally well adapted for a press shop. (Owner) Glenn B. Hamm, 1120 Croyden Drive, Dayton, Ohio. Groups 35—81—82; 36—21. Reg. No. 416.

Pat. 2,113,275. PHOTOGRAPHIC ELECTRIC EXPOSURE TIMING MACHINE. Patented April 5, 1938. Automatic timing device readily combined or as an attachment for conventional enlarging machines to control the exposure of a sensitized member in order that once a particular time of exposure has been determined any number of duplicate exposures may be made in an accurate manner. May be located remote from camera and at a point convenient to operator. (Owner) Arthur F. Manuel, 838 West End Avenue, New York 25, N. Y. Group 39—12. Reg. No. 417.

Pat. 2,381,321. WORK-PRODUCING SPEED CONTROL. Patented Aug. 7, 1945. Control for shafts which receive rotative power from wind-mill, turbine, etc. When energizing force increases speed of shaft, instead of using brakes to slow down shaft, such excess power is utilized by automatically interconnecting and operating extra power absorbing units, one after another, such as pump, generator or the like, until speed is lowered sufficiently to be considered safe; and in similar manner cutting these extra units out of the line as energizing source of power fades. Such control may operate either mechanically or electrically. (Owner) Hugo A. J. Thiesen, 4406 Lafayette Avenue, St. Louis 10, Mo. Groups 35—11—66; 36—19. Reg. No. 418.

Pat. 2,340,334. TURRET CONSTRUCTION. Patented Feb. 1, 1944. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) By using a series of horizontally arranged hollow flexible rollers and a series of vertically arranged hollow flexible rollers the development of torque due to horizontal forces is prevented and the turret weight is evenly distributed, (when any irregularities are met in the roller path). Use of rollers of this type greatly reduces the weight and strengthens construction, because of their compactness and flexibility. Rotating surface has no projections which might be damaged. Can be manufactured and assembled as a unit independent of the load it carries. Stationary drive includes a non-operating lock. (Owner) Harry B. Maris, 4711 Riverdale Road., Riverdale, Md. Groups 33—X1; 35—66. Reg. No. 419.

Pat. 2,091,221. INSECT SNARE. Patented Aug. 24, 1937. Horizontal reflecting panel which is adapted to be mounted above or on a light fixture and held in place by means of spring actuated gripping members. Carries slidable L-shaped wire supports for vertically supporting fly paper or the like; supports are provided with pivoted hooks at bottom and top to hold paper in position. (Owner) Kathryn E. Switzer, 132 W. Adams St., Ellis, Kans. Groups 28—33; 33—49; 34—99. Reg. No. 420.

Pat. 2,103,704. SPRING DRIP BEVERAGE MAKER. Patented Dec. 28, 1937. For making infusions using water at less than boiling temperature; preserving aroma and limiting caffeinic acid. Basket containing granular material is attached to water container and push rod; rod extends through top of container and carries a spring which holds assembly in predetermined position. Basket and container are lowered to position near bottom of receptacle by pressing push rod, thus permitting water to enter container. Water seeps through perforated openings in plates of container and basket allowing spring action to return assembly to original position. (Owners) Helen Wygodsky, 406 N. Linwood Ave., Baltimore 24, Md. and Julianne M. Wygodsky Martin. Groups 32—29—62—63—65—69; 33—71; 34—41—99; 36—21. Reg. No. 421.

Amendments to Amendments

RULE 74. When an amendatory clause is amended, it must be wholly rewritten, so that no interlineation or erasure shall appear in the clause, as finally amended, when the application is passed to issue. If the number or nature of the amendments shall render it otherwise difficult to consider the case or to arrange the papers for printing or copying, the Examiner or Commissioner may require the entire specification to be rewritten.

Use of Patented Drawing in a Reissue

Upon receipt of an application for reissue and a request for the transfer of the drawings, from the original patent to the reissue application, applicant should be informed that a copy of the original patent or photoprints will be ordered and used as a drawing for purposes of examination and that if the reissue application is later allowed, a formal transfer of the drawings from the original patent to the reissue application will be made at the time of allowance.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 9, 1945

[VOL. 579. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1**RAW OR PARTLY PREPARED MATERIALS**

Ser. No. 456,994. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Nov. 23, 1942.

USG

FOR INDUSTRIAL GYPSUM FILLERS, LIME AND GROUND LIMESTONE NOT PREPARED FOR CONSTRUCTION USE.

Claims use since May 24, 1935, for lime; since July 2, 1941, for fillers; and since October 3, 1942, for ground limestone.

Ser. No. 483,262. GORDON-LACEY CHEMICAL PRODUCTS CO., New York, N. Y. Filed May 12, 1945.

KAYLON

FOR PLASTIC COMPOSITIONS IN SHEET, ROD AND TUBE FORM AND VINYL RESINS.

Claims use since October 1944.

Ser. No. 484,560. DAVENPORT SEED COMPANY, also doing business as Bruns Seed Company, Davenport, Iowa. Filed June 15, 1945.

Goldline

FOR HYBRID SEED CORN AND FARM SEEDS GENERALLY.

Claims use since May 15, 1945.

CLASS 4**ABRASIVE, DETERGENT, AND POLISHING MATERIALS**

Ser. No. 471,458. K. J. QUINN & CO. INC., Boston, Mass. Filed June 20 1944.

MIRA-LUSTRE

No claim is made to the word "Lustre" apart from the mark.

FOR PREPARATION IN PASTE OR SEMI-PASTE FORM TO BE APPLIED TO LEATHER AS A DRESSING, POLISH, AND FINISH THEREFOR.

Claims use since March 1939.

Ser. No. 482,861. WILCO COMPANY, Los Angeles, Calif. Filed May 1, 1945.

Wilco

FOR DRY CLEANER, CLOTH CLEANER, HAT CLEANER (NOT A BLEACH), GLOVE CLEANER, HANDBAG CLEANER, SCARF CLEANER, UPHOLSTERY CLEANER, RUG CLEANER, DRAPE CLEANER, LEATHER CLEANER, AND TYPEWRITER TYPE AND ROLLER CLEANER.

Claims use since July 29, 1944.

Ser. No. 483,368. THE F-R CORPORATION, New York, N. Y. Filed May 15, 1945.

SCOOP

FOR SOAPLESS DETERGENT.

Claims use since June 12, 1944.

Ser. No. 483,609. DIR-KLEEN COMPANY, Chicago, Ill. Filed May 21, 1945.

dir·kleen

No claim is made to the word "Kleen" apart from the mark.
FOR SOAPLESS CLEANING COMPOUND.
Claims use since May 11, 1945.

Ser. No. 484,834. HAROLD ENGLEHART, Akron, Ohio. Filed June 21, 1945.

"Swing Shift"

FOR HAND CLEANERS.
Claims use since July 7, 1944.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 476,738. RICHARD HUDNUT, New York, N. Y. Filed Nov. 21, 1944. Under section 5b of the act of 1905 as amended in 1920.

RICHARD HUDNUT

FOR DEODORANTS OF LIQUID AND CREAM TYPE, FACE POWDER, ROUGE, LIPSTICK, DUSTING POWDER, BODY POWDER, EYE MAKEUP, FOUNDATION AND POWDER BASES, SKIN CLEANSING PREPARATIONS OF LIQUID, CREAM AND POWDER TYPE, LUBRICATING CREAMS, ASTRINGENTS, MASKS, AND SKIN TINTING PREPARATIONS.

Claims use to dusting powder since 1896; to face powder since January 1903; to bath salts and cake rouge since 1915; to beauty lotion since 1926; to lipstick, cream rouge, eyebrow pencil, cleansing cream, special skin cream, tissue softening cream, skin freshener, mascara, special astringent, deodorant and eye shadow since April 1929; to special cleansing preparation since 1930; to foundation lotion and rose cream mask since 1936; to skin firming lotion since 1938; to makeup base since 1939; to suntan lotion since May 1940; to rouge, parfait since 1941; to skin tinting preparations since January 1943; and to leg makeup since February 1943.

Ser. No. 482,177. OLD DUTCH INDUSTRIAL PRODUCTS CO., Inc., Harrison, N. J. Filed Apr. 14, 1945.



FOR SHOE DYES.
Claims use since February 1944.

Ser. No. 482,429. L & R ORGANIC PRODUCTS CO., Inc., New York, N. Y. Filed Apr. 21, 1945.

ELCONOL

FOR DYE ASSISTANTS, DYES AND DYESTUFFS.
Claims use since Jan. 29, 1942.

Ser. No. 482,808. META CINE COMPANY, Chattanooga, Tenn. Filed Apr. 30, 1945.

GLYCILLIN

FOR MEDICINE FOR HUMAN INTERNAL USE AND CONTAINING ALUMINUM DIHYDROXY AMINO-ACETATE AND PENICILLIN.
Claims use since Mar. 30, 1945.

Ser. No. 483,165. AVIATION RESEARCH & DEVELOPMENT CORPORATION, Fredericksburg, Va. Filed May 10, 1945.



FOR LIQUID COMPOSITION FOR FORMING BUBBLES FOR ENTERTAINMENT, DISPLAY, AND AERONAUTICAL RESEARCH.
Claims use since Mar. 1, 1945.

Ser. No. 483,638. VITAMIN-ERG CO., Inc., New York, N. Y. Filed May 21, 1945.

EMODEX

FOR LAXATIVE CONTAINING CASCARA SAGRADA.
Claims use since Apr. 27, 1945.

Ser. No. 483,639. VITAMIN-ERG CO., New York, N. Y. Filed May 21, 1945.

PARASMA

FOR EPHEDRINE CONTAINING PREPARATION FOR RELIEF OF ASTHMA.
Claims use since Apr. 27, 1945.

Ser. No. 484,010. CONSOLIDATED COSMETICS, Chicago, Ill. Filed May 31, 1945.

FIORA

FOR FACE POWDER, HAND CREAM, LIPSTICK, AND PERFUME.
Claims use since May 24, 1945.

Ser. No. 484,155. APPROVED PRODUCTS, Inc., doing business as House of Rembrandt, Philadelphia, Pa. Filed June 5, 1945.

Carousel

FOR COLOGNE.
Claims use since May 16, 1945.

Ser. No. 484,408. THE KAKTINE COMPANY, Glendale, Calif. Filed June 11, 1945.

KAKTONA

FOR SHAMPOO.
Claims use since May 29, 1945.

Ser. No. 484,673. EDWIN ELSTON, Los Angeles, Calif. Filed June 18, 1945.



POST-O-MAN

FOR PHOTOGRAPHIC CHEMICALS.
Claims use since Feb. 10, 1945.
579 O. G.—11

Ser. No. 484,788. H. W. KINNEY AND SONS, Inc., Columbus, Ind. Filed June 20, 1945.

BEHEPARON

FOR LIVER-IRON-THIAMIN PREPARATION FOR USE IN THE TREATMENT OF ANEMIAS AND AS A GENERAL TONIC.
Claims use since June 6, 1940.

Ser. No. 484,979. L. SONNEBORN SONS, Inc., New York, N. Y. Filed June 23, 1945.

BLANIDOL

FOR U. S. P. WHITE MINERAL OIL.
Claims use since Feb. 10, 1930.

Ser. No. 485,200. COTY, Inc., New York, N. Y. Filed June 29, 1945.

CAROUSEL

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES.
Claims use since June 4, 1945.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 467,341. FREDERICK T. HUNTINGTON, doing business as R. C. B. S. Company, Oroville, Calif. Filed Feb. 11, 1944.



FOR DIES FOR PRIVATE USE IN MAKING BANDED BULLETS.
Claims use since June 1, 1943.

Ser. No. 483,319. HITT FIREWORKS COMPANY, Seattle, Wash. Filed May 14, 1945.

"Doggone"

FOR SCARE AWAY SALUTES FOR USE IN SCARING AWAY VICIOUS ANIMALS.
Claims use since May 7, 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 470,963. COLUMBIA BRICK WORKS, Portland, Oreg. Filed June 7, 1944.

SYLVAN

FOR BURNT CLAY BRICK, STEPPING TILE, HOLLOW TILE, AND ROUGHING TILE.
Claims use since June 1, 1912.

Ser. No. 470,964. COLUMBIA BRICK WORKS, Portland, Oreg. Filed June 7, 1944.

SYLVANIAN

FOR BURNT CLAY BRICK, STEPPING TILE, HOLLOW TILE, AND ROUGHING TILE.
Claims use since Oct. 1, 1921.

Ser. No. 482,800. A. P. GREEN FIRE BRICK COMPANY, Mexico, Mo. Filed Apr. 30, 1945.

AIRLOX

FOR BONDING MORTAR.
Claims use since Dec. 6, 1944.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 482,485. JOHN A. FREEL, doing business as Michigan Specialty and Manufacturing Co., Bay City, Mich. Filed Apr. 23, 1945.

X-SANAT

FOR METAL CHRISTMAS TREE HOLDERS FOR SUPPORTING LARGE SIZE CHRISTMAS TREES.
Claims use since Mar. 10, 1945.

Ser. No. 483,467. "COLOS" INTERNATIONAL COMPANY FOR COMMERCE AND INDUSTRY, INC., New York, N. Y. Filed May 17, 1945.



The drawing is lined for red.
FOR ENAMELED METAL TABLE AND COOKING HOLLOWWARE.
Claims use since Apr. 3, 1945.

Ser. No. 484,329. STARLINE INC., Harvard, Ill. Filed June 8, 1945.



The term "Beats 'Em All" is disclaimed except as shown.
FOR DOOR HANGERS AND DOOR TRACK.
Claims use since October 1908.

Ser. No. 485,000. BENDIX-WESTINGHOUSE AUTOMOTIVE AIR BRAKE COMPANY, Elyria, Ohio. Filed June 25, 1945.

REZORDRAIN

FOR DRAIN VALVES FOR FLUID PRESSURE APPARATUS.
Claims use since Mar. 2, 1945.

Ser. No. 485,046. RALPH H. CULLEY, doing business as Life-Time Dishwell Co., Rochester, N. Y. Filed June 26, 1945.

LIFE-TIME

FOR SINKS.
Claims use since June 1, 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 481,122. NUODEX PRODUCTS CO., INC., Elizabeth, N. J. Filed Mar. 20, 1945.

NUOSPERSE

FOR DISPERSING AGENTS FOR SUCH PIGMENTED COATING MATERIALS AS PAINTS, ENAMELS, AND LACQUERS AND THE LIKE.
Claims use since June 1944.

CLASS 19

VEHICLES

Ser. No. 469,119. GENERAL TEXTILE MILLS, INC., New York, N. Y. Filed Apr. 7, 1944.

GENTEXITE

FOR RIGID AND SEMIRIGID CASINGS, WITH REMOVABLE COVERS, FOR PARACHUTE PACKS OF VARIOUS TYPES SUCH AS SEAT PACKS, BODY PACKS, BOMB PARACHUTE PACKS AND THE LIKE, AND ASSEMBLED UNITS INCLUDING SUCH CASINGS AND COVERS AND THE PARACHUTES PACKED THEREIN.

Claims use since Dec. 14, 1943.

Ser. No. 482,512. WILLYS-OVERLAND MOTORS, INC., Toledo, Ohio. Filed Apr. 23, 1945.

CIVIJEEP

FOR AUTOMOBILES AND STRUCTURAL PARTS THEREOF.
Claims use since Mar. 15, 1945.

Ser. No. 484,009. BEECH AIRCRAFT CORPORATION, Wichita, Kans. Filed May 31, 1945.



FOR AIRPLANES OF ALL KINDS AND STRUCTURAL PARTS THEREOF.
Claims use since January 1933.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 465,863. BIRTMAN ELECTRIC COMPANY, Chicago, Ill. Filed Dec. 18, 1943.

MAGNETIC

Applicant claims ownership of registered trade-marks Nos. 172,301 issued Aug. 28, 1923 (renewed); 158,388 issued Sept. 5, 1922 (renewed); and 410,567 issued Dec. 5, 1944.

FOR ELECTRIC SPACE HEATERS AND ELECTRIC IRONS.
Claims use since October 1931.

Ser. No. 471,279. PANORAMIC RADIO CORPORATION, New York, N. Y. Filed June 15, 1944.

PANORAMIC

FOR RADIO RECEIVERS AND RADIO TRANSMITTERS.
Claims use since Dec. 31, 1940.

Ser. No. 471,793. ELECTRIC STEAM RADIATOR CORPORATION, Detroit, Mich. Filed June 29, 1944.



The representation of a baby's face is arbitrary.
FOR HEATING DEVICES HAVING A VESSEL IN WHICH WATER IS VAPORIZED BY ELECTRODES FOR WARMING BABY BOTTLES OR THE LIKE.
Claims use since September 1943.

Ser. No. 474,407. WALDO L. GARBERDING, doing business as Twentieth Century Mfg. Co., Chicago, Ill. Filed Sept. 20, 1944.



FOR ELECTRICAL LAMPS, ESPECIALLY USEFUL FOR DIE MAKERS AND THE LIKE.
Claims use since February 1942.

Ser. No. 479,480. HIGGINS INDUSTRIES, INC., New Orleans, La. Filed February 6, 1945.

Higgins

The Mark is a facsimile signature of A. S. Higgins, president of applicant corporation.
FOR PARATROOP RADIO TELEPHONES, RADIO FREQUENCY CRYSTALS, AND SHORT WAVE TELEPHONE TRANSMITTERS AND RECEIVERS.
Claims use since June 1, 1922, as to the word "Higgins"; and since Jan. 30, 1943, as to the facsimile signature.

Ser. No. 480,438. CONTINENTAL MACHINES, INCORPORATED, Minneapolis, Minn. Filed Mar. 3, 1945.

SELECTRON

FOR COMBINATION RECTIFIER AND MAGNETIZER AND DEMAGNETIZER FOR MAGNETIC CHUCKS.
Claims use since February 1942.

Ser. No. 480,810. WILCOX ELECTRIC COMPANY, INC., Kansas City, Mo. Filed Mar. 10, 1945.



FOR RADIO COMMUNICATION TRANSMITTERS AND RECEIVERS.
Claims use since Apr. 5, 1944.

Ser. No. 482,222. CLIFFORD D. SPRACHER, Downey, Calif. Filed Apr. 16, 1945.

C.D.S.

FOR SAFETY SWITCHES FOR INTERNAL COMBUSTION ENGINES.
Claims use since Oct. 26, 1940.

Ser. No. 482,567. ESSEX WIRE CORPORATION, Detroit, Mich. Filed Apr. 25, 1945.



FOR ELECTRICAL SWITCHES, RELAYS, SOLENOIDS, VOLTAGE REGULATORS, FUSE BLOCKS, RESISTORS, AND TERMINALS.
Claims use since Mar. 1, 1941.

Ser. No. 482,715. ALBERT H. SURPRENANT, Boston, Mass. Filed Apr. 27, 1945.



FOR ELECTRIC INSULATED WIRE, ELECTRIC CORDS, ELECTRIC INSULATING TUBING, AND ELECTRIC INSULATING TAPE.
Claims use since June 1, 1939.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 476,092. AMPCO TWIST DRILL COMPANY, Jackson, Mich. Filed Nov. 4, 1944.

AMPCO

FOR TWIST DRILLS, REAMERS, MILLING CUTTERS, COUNTERSINKS AND COMBINATION DRILLS AND COUNTERSINKS.
Claims use since Mar. 18, 1936.

Ser. No. 481,029. SIMPLEX CLOTH CUTTING MACHINE COMPANY, New York, N. Y. Filed Mar. 17, 1945.

SIMPLEX

FOR KNIFE SHARPENING MACHINES.
Claims use since Aug. 1, 1941.

Ser. No. 482,437. NELCO TOOL CO., INC., New York, N. Y. Filed Apr. 21, 1945.

NELCO

FOR METAL CUTTING TOOLS—NAMESLY, TWIST DRILLS, REAMERS, END MILLS, MILLING CUTTERS, BORERS, AND SINGLE OR MULTIPLE POINT METAL CUTTING CARBIDE TIPPED TOOLS FOR USE ON LATHES.
Claims use since December 1944.

Ser. No. 482,438. NELCO TOOL CO., INC., New York, N. Y. Filed Apr. 21, 1945.

NTC

FOR METAL CUTTING TOOLS—NAMESLY, TWIST DRILLS, REAMERS, END MILLS, MILLING CUTTERS, BORERS, AND SINGLE AND MULTIPLE POINT METAL CUTTING CARBIDE TIPPED TOOLS FOR USE ON LATHES.
Claims use since December 1944.

Ser. No. 483,300. H. R. BASFORD CO., San Francisco, Calif. Filed May 14, 1945.

UTILITY

FOR DRAIN CLEANERS OF THE WATER ACTUATED TYPE.
Claims use since Feb. 10, 1945.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 477,699. ILLINOIS TESTING LABORATORIES, INC., Chicago, Ill. Filed Dec. 18, 1944.

PYROLANCE

FOR ELECTRICAL TEMPERATURE MEASURING INSTRUMENTS AND PARTS THEREOF.
Claims use since January 1926.

Ser. No. 484,672. EDWIN ELSTON, Los Angeles, Calif. Filed June 18, 1945.



POST-O-FILM

No claim is made to the word "Film" apart from the mark.
FOR SENSITIZED PHOTOGRAPHIC FILMS, STILL AND MOVIE CAMERAS AND PROJECTORS AND TRIPODS.
Claims use since Feb. 10, 1945.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 483,030. POST WATCH COMPANY, New York, N. Y. Filed May 5, 1945.

POSTCONY

FOR HOROLOGICAL INSTRUMENTS—NAMESLY, WATCHES AND CLOCKS.
Claims use since May 2, 1945.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 473,083. ACME MANUFACTURING CO., Sedalia, Mo. Filed Aug. 9, 1944.

ZEPHYR

FOR MOPS—I. E., FLOOR MOPS, DUST MOPS, AND DISH MOPS.
Claims use since August 1940.

CLASS 37

PAPER AND STATIONERY

Ser. No. 483,764. D. L. DYER, doing business as Hobby Stationers, Kansas City, Mo. Filed May 25, 1945.

Everyday

FOR STATIONERY—NAMESLY, WRITING PAPER AND NOTE PAPER.
Claims use since Oct. 10, 1944.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 485,622. THE AMERICAN RADIO RELAY LEAGUE, Inc., West Hartford, Conn. Filed July 10, 1945.

QST

The drawing is lined for red.
FOR MONTHLY MAGAZINE.
Claims use since Jan. 1, 1931.

CLASS 39

CLOTHING

Ser. No. 471,869. EMDRE SPORTSWEAR, INC., New York, N. Y. Filed July 1, 1944.

Emdee

FOR MEN'S, WOMEN'S, BOYS', AND GIRLS' LEISURE COATS; MEN'S AND BOYS' PEA COATS, WOOL JACKETS, COTTON JACKETS, MACKINAWS, RAINCOATS, FINGER TIP LENGTH COATS, AND POLO SHIRTS AND ENSEMBLES, NAMELY—A SHIRT AND SLACK ENSEMBLE, AND A JACKET AND SLACK ENSEMBLE; MEN'S SPORT COATS, OVERCOATS, MIXED WOOL SHIRTS (WOOL, RAYON, COTTON), RAILROAD COATS, WOOL VESTS, AND WOOL SHIRTS; WOMEN'S AND GIRLS' WOOL SHIRTS AND WOOL MIXED SHIRTS; WOMEN'S JACKETS AND SPORT BLOUSES; GIRLS' PEA COATS, RAINCOATS, AND MACKINAWS.

Claims use on women's jackets and women's leisure coats since on or about Mar. 1, 1941; on men's sport coats since on or about Apr. 1, 1941; on men's leisure coats and boys' leisure coats since on or about Feb. 1, 1942; on girls' leisure coats since on or about Mar. 1, 1942; on men's overcoats since on or about July 1, 1942; on men's mixed-wool shirts (wool, rayon, cotton) since on or about Aug. 1, 1942; on men's railroad coats since on or about July 1, 1943; on men's pea coats since on or about Aug. 1, 1943; on men's wool vests since on or about Sept. 1, 1943; on boys' pea coats, girls' pea coats since on or about May 1, 1944; and on all other goods since on or about Aug. 1, 1940.

Ser. No. 472,233. CAVU CLOTHES, Cincinnati, Ohio. Filed July 14, 1944.

Lazy Eight

FOR OUTER SHIRTS AND JACKETS FOR MEN AND WOMEN.
Claims use since Feb. 1, 1944.

Ser. No. 472,234. CAVU CLOTHES, Cincinnati, Ohio. Filed July 14, 1944.

Tailspin

FOR OUTER SHIRTS AND JACKETS FOR MEN AND WOMEN.
Claims use since Feb. 1, 1944.

Ser. No. 484,708. SEL-MOR GARMENT COMPANY, INC., St. Louis, Mo. Filed June 18, 1945.

DebElaine

FOR LINGERIE, SPECIFICALLY WOMEN'S AND GIRLS' PAJAMAS, NIGHT GOWNS, SLIPS, PANTIES, AND HOUSE COATS.
Claims use since Apr. 16, 1945.

Ser. No. 484,712. SEL-MOR GARMENT COMPANY, INC., St. Louis, Mo. Filed June 18, 1945.

GlamElaine

FOR LINGERIE, SPECIFICALLY WOMEN'S AND GIRLS' PAJAMAS, NIGHT GOWNS, SLIPS, PANTIES, AND HOUSECOATS.
Claims use since Apr. 16, 1945.

Ser. No. 484,713. SEL-MOR GARMENT COMPANY, INC., St. Louis, Mo. Filed June 18, 1945.

JunElaine

FOR LINGERIE, SPECIFICALLY WOMEN'S AND GIRLS' PAJAMAS, NIGHT GOWNS, SLIPS, PANTIES, AND HOUSECOATS.
Claims use since Apr. 16, 1945.

Ser. No. 484,720. TRIMCREST CORP., New York, N. Y. Filed June 18, 1945.

TRIMCREST

FOR LADIES' SLIPS AND NIGHTGOWNS.
Claims use since May 8, 1945.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 478,928. MORRIS & YEOMANS LTD., Redditch, England. Filed Jan. 23, 1945.

VENUS

FOR NEEDLES FOR HAND USE, HAT PINS OF NON-PRECIOUS METALS, TOILET PINS, KNITTING PINS, SAFETY PINS, HAIR PINS, CROCHET HOOKS, AND NEEDLE CASES.
Claims use since Aug. 21, 1918.

CLASS 43

THREAD AND YARN

Ser. No. 482,562. R. WOLFENDEN & SONS, Attleboro, Mass. Filed Apr. 24, 1945. Under 10-year proviso.

WOLFENDEN

FOR YARN.
Claims use since 1868.

Ser. No. 484,921. UNIQUE FIBERS, INC., New York, N. Y. Filed June 22, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

Blendlok

FOR YARN SPUN FROM MIXTURES OF RAYON AND FUR, AND RAYON, FUR, AND WOOL.
Claims use since Sept. 15, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 474,302. ALBERT W. SISK & SON, Preston, Md. Filed Sept. 16, 1944.

CONFIDENCE

FOR CANNED VEGETABLES.
Claims use since 1911.

Ser. No. 478,873. INTERNATIONAL IMPORTING COMPANY, Boston, Mass. Filed Jan. 22, 1945.



Applicant disclaims the words "Trade Mark," "Brand," "A Product of Greece," and "I. I. Co."
FOR CANNED FRUITS AND CANNED VEGETABLES, DRIED DATES, DRIED APRICOTS, DRIED OKRA, DRIED RAISINS, DRIED CURRENTS, OLIVE OIL, OLIVES, CHEESE, AND DRIED FISH.
Claims use since Jan. 1, 1938.

Ser. No. 481,155. THE OLD RIP VAN WINKLE GIST MILL, INC., Catskill, N. Y. Filed Mar. 21, 1945.

Rip Van Winkle

FOR BREAD, ROLLS, CAKES, COOKIES, BISCUITS, DOUGHNUTS, WHEAT FLOUR, WHOLE WHEAT FLOUR, CORNMEAL, RYE FLOUR, AND GRAIN MEAL.
Claims use since Oct. 13, 1943.

Ser. No. 482,520. CALTONE CORPORATION, Anaheim, Calif. Filed Apr. 24, 1945.

DASH O'LEMON

No claim is made to the word "Lemon" apart from the mark.
FOR LEMON JUICE.
Claims use since October 1941.

Ser. No. 483,454. SOUTHEASTERN MILLS, INC., Rome, Ga.
Filed May 16, 1945.

ROME BEAUTY

No claim is made to the word "Rome" apart from the mark.

FOR WHEAT FLOUR.
Claims use since Oct. 27, 1930.

Ser. No. 484,227. BAILEY-PITZER COMPANY, San Francisco, Calif. Filed June 7, 1945.

farmerette

FOR CANNED FRUITS AND VEGETABLES.
Claims use since May 11, 1945.

Ser. No. 484,681. FRENCH SARDINE CO., Terminal Island, Calif. Filed June 18, 1945.

CALICO CAT

No claim is made to the word "Cat" apart from the mark.

FOR CAT FOOD.
Claims use since May 26, 1945.

Ser. No. 485,634. THE EUCLID UNDERWRITING CORPORATION, Brooklyn, N. Y. Filed July 10, 1945.

DOLLY DIMPLE

FOR CANDY.
Claims use since Sept. 10, 1926.

CLASS 47

WINES

Ser. No. 485,539. PADRE VINEYARD COMPANY, Los Angeles, Calif. Filed July 7, 1945.

Padre RESERVE

No claim is made to the word "Reserve" apart from the mark.

FOR WINES.
Claims use since Nov. 12, 1943.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 486,260. KELLOGG COMPANY, Battle Creek, Mich. Filed July 25, 1945.

Kellogg's

The trade-mark is a facsimile of the surname, in the possessive case, of the Chairman of the Board of Directors of applicant corporation, whose full name is Will K. Kellogg, in his handwriting.

FOR BREWERS' GRITS USED FOR MAKING MALT BEVERAGES.
Claims use since July 20, 1944.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 485,538. PADRE VINEYARD COMPANY, Los Angeles, Calif. Filed July 7, 1945.

Padre

FOR BRANDY.
Claims use since Oct. 10, 1942.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

OCTOBER 9, 1945

416,940. ELECTRIC CAP LAMPS, ELECTRIC HAND LANTERNS, FLASHLIGHTS, AND PUSH CLIPS FOR ELECTRIC CORDS. JUSTRITE MANUFACTURING COMPANY, Chicago, Ill.
Filed March 25, 1943. Serial No. 459,341. PUBLISHED JULY 24, 1945. Class 21.

416,941. CANNED VEGETABLES—NAMESLY, CANNED TOMATOES AND CANNED TOMATO PASTE. F. M. BALL & COMPANY, Oakland, Calif.
Filed December 21, 1943. Serial No. 465,938. PUBLISHED FEBRUARY 29, 1944. Class 46.

416,942. LEAD PENCILS, COLORED PENCILS, COPYING PENCILS, CRAYONS, MECHANICAL PENCILS, FOUNTAIN PENS, LUMBER CRAYONS, ETC. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y.
Filed March 16, 1944. Serial No. 468,340. PUBLISHED JULY 31, 1945. Class 37.

416,943. PAINT THINNER. PEARCE L. MEADOWS, doing business as Elroy Naval Stores, Co., Vidalia, Ga.
Filed April 19, 1944. Serial No. 469,472. PUBLISHED JULY 31, 1945. Class 16.

416,944. LIQUID FLOOR POLISH. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo.
Filed May 9, 1944. Serial No. 470,075. PUBLISHED JULY 24, 1945. Class 16.

416,945. CIGARETTE CASES MADE OF A BASE METAL OR A COMPOSITION MATERIAL. THE WADSWORTH WATCH CASE COMPANY, Dayton, Ky.
Filed May 16, 1944. Serial No. 470,321. PUBLISHED JULY 31, 1945. Class 8.

416,946. BRACELETS NOT INCLUDING WATCHES, PENDANTS AND BAR PINS. RICA E. KAPLAN, Chicago, Ill.
Filed June 16, 1944. Serial No. 471,311. PUBLISHED JULY 31, 1945. Class 28.

416,947. COFFEE AND TEA. P. R. MYERS & Co., New York, N. Y.
Filed June 21, 1944. Serial No. 471,484. PUBLISHED JULY 31, 1945. Class 46.

416,948. SILVER PLATED FLATWARE. HOME DECORATORS, INC., Newark, N. Y.
Filed July 28, 1944. Serial No. 472,698. PUBLISHED JULY 31, 1945. Class 28.

416,949. AUTOMOTIVE TRAILERS AND PARTS THEREOF, SPECIFICALLY BODIES AND CABS SOLD AS SEPARATE UNITS. THE TRAILER COMPANY OF AMERICA, Cincinnati, Ohio
Filed July 29, 1944. Serial No. 472,757. PUBLISHED JULY 24, 1945. Class 19.

416,950. BRAKE SHOES, LINED, FOR USE ON VEHICLES. ATLAS SUPPLY COMPANY, Newark, N. J.
Filed August 2, 1944. Serial No. 472,883. PUBLISHED DECEMBER 5, 1944. Class 19.

416,951. PUPPET DOLLS. HILDA M. MOORE, Asheville, N. C.
Filed August 11, 1944. Serial No. 473,190. PUBLISHED JULY 31, 1945. Class 22.

416,952. SAWS OF ALL KINDS, TROWELS OF ALL KINDS, CORN KNIVES, HEDGE KNIVES, CANE KNIVES, AND DITCH BANK KNIVES. E. C. ATKINS AND COMPANY, Indianapolis, Ind.
Filed September 1, 1944. Serial No. 473,794. PUBLISHED APRIL 17, 1945. Class 23.

416,953. SAWS OF ALL KINDS, TROWELS OF ALL KINDS, CORN KNIVES, HEDGE KNIVES, CANE KNIVES, AND DITCH BANK KNIVES. E. C. ATKINS AND COMPANY, Indianapolis, Ind.
Filed September 1, 1944. Serial No. 473,795. PUBLISHED JULY 24, 1945. Class 23.

416,954. OILED CLOTH. CALLAWAY MILLS, La Grange, Ga.
Filed September 25, 1944. Serial No. 474,575. PUBLISHED JULY 17, 1945. Class 20.

416,955. HYDRAULIC FLUID FILTERS FOR USE AS ACCESSORIES FOR HYDRAULIC MACHINERY. PUROLATOR PRODUCTS, INC., Newark, N. J.
Filed October 14, 1944. Serial No. 475,334. PUBLISHED JULY 24, 1945. Class 23.

416,956. FILTERS FOR THE PURIFICATION OF GASOLINE INCLUDING FILTERS USED AS ACCESSORIES FOR PUMPS AND TANKS SUCH AS USED ON AIRCRAFT CARRIERS, ETC. PUROLATOR PRODUCTS, INC., Newark, N. J.
Filed October 18, 1944. Serial No. 475,459. PUBLISHED JULY 24, 1945. Class 23.

416,957. RUBBER STAMPS AND HOLDERS AND PADS THEREFOR SOLD AS A UNIT. STANLEY R. HERSHMAN, doing business as Hollywood Bugle, Hollywood, Calif.
Filed November 3, 1944. Serial No. 476,057. PUBLISHED JULY 31, 1945. Class 37.

416,958. DART GAME. TOYAD CORPORATION, Pittsburgh, Pa.
Filed November 7, 1944. Serial No. 476,230. PUBLISHED JULY 31, 1945. Class 22.

416,959. DENTAL ARTICULATORS WITH AND WITHOUT FRAMES; DENTAL IMPRESSION PLATES, SHELLS AND BANDS, ETC. AKTIEBOLAGET DENTATUS, Stockholm, Sweden.
Filed November 16, 1944. Serial No. 476,490. PUBLISHED JULY 31, 1945. Class 44.

416,960. TOY EDUCATIONAL CONSTRUCTION SETS. RALPH A. GRAHAM, doing business as Graham Manufacturing Company, Kansas City, Mo.
Filed December 6, 1944. Serial No. 477,269. PUBLISHED JULY 31, 1945. Class 22.

416,961. DIALS OF ENAMEL, METAL, AND SILVER FOR WATCHES AND STANDING PENDULUM CLOCKS. FLÜCKIGER & CIE., St. Imier, Canton of Berne, Switzerland.
Filed December 7, 1944. Serial No. 477,295. PUBLISHED JULY 31, 1945. Class 27.

416,962. SOLID OR SEMI-SOLID PREPARATION CONSISTING ESSENTIALLY OF A MIXTURE OF TURPENTINE AND WAXES FOR COVERING CRACKS OR CHIPPED PORTIONS ON METALLIC OR WOODEN SURFACES. C. R. LORD & PAUL HALM, East Orange, N. J.
Filed December 23, 1944. Serial No. 477,892. PUBLISHED JULY 24, 1945. Class 16.

416,963. SMOKERS' PIPES. MARKMAN PIPES, New York, N. Y.
Filed January 8, 1945. Serial No. 478,401. PUBLISHED JULY 31, 1945. Class 8.

416,964. READY MIXED GLOSS PAINT. HALL HARDWARE COMPANY, Minneapolis, Minn.
Filed February 17, 1945. Serial No. 479,930. PUBLISHED JULY 17, 1945. Class 16.

- 416,965. RADIO RECEIVING APPARATUS AND PARTS THEREOF. HOFFMAN RADIO CORPORATION, Los Angeles, Calif. Filed February 22, 1945. Serial No. 480,108. PUBLISHED JULY 24, 1945. Class 21.
- 416,966. HORSE RACING GAME. STANLEY GALLONE, Leonia, N. J. Filed February 23, 1945. Serial No. 480,132. PUBLISHED JULY 31, 1945. Class 22.
- 416,967. WOOD FLOOR PRESERVATIVE AND SEALER. L. SONNEBORN SONS, INC., New York, N. Y. Filed February 24, 1945. Serial No. 480,203. PUBLISHED JULY 17, 1945. Class 16.
- 416,968. RUST INHIBITING PAINT. L. SONNEBORN SONS, INC., New York, N. Y. Filed February 24, 1945. Serial No. 480,206. PUBLISHED JULY 17, 1945. Class 16.
- 416,969. GRANULAR MATERIAL USED ON FLOORS TO ABSORB GREASE AND OIL, AND ALSO AS A SWEEPING COMPOUND. L. SONNEBORN SONS, INC., New York, N. Y. Filed February 24, 1945. Serial No. 480,214. PUBLISHED JULY 24, 1945. Class 4.
- 416,970. WELDING ELECTRODES WHICH ARE CONSUMED IN THE WELDING OPERATION, WELDING, BRAZING AND SOLDERING OVERLAY ALLOYS, ETC. RENE D. WASSERMAN, doing business as Eutectic Welding Alloys Company, New York, N. Y. Filed March 1, 1945. Serial No. 480,393. PUBLISHED JULY 17, 1945. Class 14.
- 416,971. WELDING ELECTRODES, WHICH ARE CONSUMED IN THE WELDING OPERATION, WELDING, BRAZING AND SOLDERING OVERLAY ALLOYS IN THE FORM OF RODS AND WIRES, ETC. RENE D. WASSERMAN, doing business as Eutectic Welding Alloys Company, New York, N. Y. Filed March 1, 1945. Serial No. 480,394. PUBLISHED JULY 17, 1945. Class 14.
- 416,972. PAINTS IN LIQUID AND SEMI-PASTE FORM. THE FOY PAINT COMPANY, INC., Cincinnati, Ohio. Filed March 2, 1945. Serial No. 480,413. PUBLISHED JULY 24, 1945. Class 16.
- 416,973. LINOLEUM LACQUER. GREAT LAKES VARNISH WORKS, INC., also doing business under the name Great Lakes Paint and Varnish, Chicago, Ill. Filed March 3, 1945. Serial No. 480,449. PUBLISHED JULY 17, 1945. Class 16.
- 416,974. READY MIXED PAINTS. L. SONNEBORN SONS, INC., New York, N. Y. Filed March 3, 1945. Serial No. 480,475. PUBLISHED JULY 17, 1945. Class 16.
- 416,975. FUR FIBRES TREATED FOR SPINNING PURPOSES. UNIQUE FIBERS, INC., New York, N. Y. Filed March 3, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 480,482. PUBLISHED JULY 31, 1945. Class 1.
- 416,976. PAINT IN PASTE FORM, PAINT ENAMEL AND VARNISH. VITA VAR CORPORATION, Newark, N. J. Filed March 3, 1945. Serial No. 480,485. PUBLISHED JULY 24, 1945. Class 16.
- 416,977. BICYCLES, TRICYCLES, COASTERS, SCOOTERS, SLEDS, WHEELBARROWS, WAGONS, AND AUTOMOBILE SPRINGS AND SHOCK ABSORBERS. OAKES & CO., also doing business as Tru-Test, Chicago, Ill. Filed March 7, 1945. Serial No. 480,612. PUBLISHED JULY 10, 1945. Class 19.
- 416,978. CARBON PAPER AND TYPEWRITER RIBBONS. AGENCY PAPER COMPANY, New York, N. Y. Filed March 9, 1945. Serial No. 480,685. PUBLISHED JULY 24, 1945. Class 11.

- 416,979. CARBON PAPER AND TYPEWRITER RIBBONS. AGENCY PAPER COMPANY, New York, N. Y. Filed March 9, 1945. Serial No. 480,687. PUBLISHED JULY 24, 1945. Class 11.
- 416,980. SMOKING PIPES AND CIGARETTE HOLDERS. KIRSTEN PIPE COMPANY, Seattle, Wash. Filed March 14, 1945. Serial No. 480,917. PUBLISHED JULY 31, 1945. Class 8.
- 416,981. SO-CALLED DOPE MATERIAL FOR HOT APPLICATION TO AIRCRAFT SURFACES AND OTHER SURFACES. TITANINE, INC., Union, N. J. Filed March 14, 1945. Serial No. 480,934. PUBLISHED JULY 31, 1945. Class 16.
- 416,982. PAPER CONES ADAPTED AND INTENDED TO RECEIVE AND CARRY ON THEIR OUTER SURFACE A BODY COMPOSED OF WINDINGS OF YARN OR OTHER MATERIAL. SONOCO PRODUCTS COMPANY, Hartsville, S. C. Filed March 24, 1945. Serial No. 481,297. PUBLISHED JULY 31, 1945. Class 2.
- 416,983. CANVAS PAINT. MARINE CANVAS SUPPLY CORPORATION, Brooklyn, N. Y. Filed March 26, 1945. Serial No. 481,331. PUBLISHED JULY 17, 1945. Class 16.
- 416,984. STEEL IN THE FORM OF WIRE, STRIPS, BARS, BILLETS, AND SHAPES. THE CARPENTER STEEL COMPANY, Reading, Pa. Filed March 27, 1945. Serial No. 481,356. PUBLISHED JULY 17, 1945. Class 14.
- 416,985. STEEL IN THE FORM OF WIRE, STRIPS, BARS, BILLETS, AND SHAPES. THE CARPENTER STEEL COMPANY, Reading, Pa. Filed March 27, 1945. Serial No. 481,357. PUBLISHED JULY 17, 1945. Class 14.
- 416,986. STEEL IN THE FORM OF WIRE, STRIPS, BARS, BILLETS, AND SHAPES. THE CARPENTER STEEL COMPANY, Reading, Pa. Filed March 27, 1945. Serial No. 481,358. PUBLISHED JULY 17, 1945. Class 14.
- 416,987. STEEL IN THE FORM OF WIRE, STRIPS, BARS, BILLETS, AND SHAPES. THE CARPENTER STEEL COMPANY, Reading, Pa. Filed March 27, 1945. Serial No. 481,359. PUBLISHED JULY 17, 1945. Class 14.
- 416,988. WASHING AND CLEANING COMPOUND FOR FLOORS. CARSELLO CHEMICAL PRODUCTS, Chicago, Ill. Filed March 31, 1945. Serial No. 481,572. PUBLISHED JULY 31, 1945. Class 4.
- 416,989. FERROUS METAL CASTINGS. THE CLEVELAND CO-OPERATIVE STOVE COMPANY, doing business as Cleveland Foundry Company, Cleveland, Ohio. Filed March 31, 1945. Serial No. 481,573. PUBLISHED JULY 31, 1945. Class 14.
- 416,990. THREAD AND YARN. R. S. FERGUSON, doing business as Liledoun Mills, Taylorsville, N. C. Filed March 31, 1945. Serial No. 481,576. PUBLISHED JULY 31, 1945. Class 43.
- 416,991. COLORLESS LINOLEUM FINISH AND PRESERVATIVE IN LIQUID FORM TO BE APPLIED WITH BRUSH OR SPRAY AFTER LINOLEUM IS IN PLACE. THE AMERICAN VARNISH COMPANY, Chicago, Ill. Filed March 30, 1945. Serial No. 481,511. PUBLISHED JULY 31, 1945. Class 16.
- 416,992. ENAMEL PAINT. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio. Filed March 31, 1945. Serial No. 481,592. PUBLISHED JULY 31, 1945. Class 16.
- 416,993. ART PRODUCTS—NAMELY, WATER COLORS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed April 2, 1945. Serial No. 481,598. PUBLISHED JULY 31, 1945. Class 16.

- 416,994. GENERAL LINE OF CANDIES. BURTON & DREYER, Waukegan, Ill. Filed April 2, 1945. Serial No. 481,611. PUBLISHED JULY 31, 1945. Class 46.
- 416,995. PAINTS IN PASTE OR SEMI-PASTE FORM. SEWALL PAINT & VARNISH COMPANY, Kansas City, Mo. Filed April 2, 1945. Serial No. 481,652. PUBLISHED JULY 31, 1945. Class 16.
- 416,996. CIGARS. SUCESION DE JOSE L. PIEDRA, Habana, Cuba. Filed April 3, 1945. Serial No. 481,681. PUBLISHED JULY 31, 1945. Class 17.
- 416,997. FURNITURE POLISH. ALVIN KOEHLER, doing business as The Koehler Co., Chicago, Ill. Filed April 5, 1945. Serial No. 481,742. PUBLISHED JULY 31, 1945. Class 16.
- 416,998. YARNS. IDA CLAIRE SMITH, doing business as Gosling Yarn Co., New York, N. Y. Filed April 5, 1945. Serial No. 481,762. PUBLISHED JULY 31, 1945. Class 43.
- 416,999. WATER SOLUBLE POWDER FOR WASHING AND STERILIZING PURPOSES. CENTRAL STATES LABORATORIES, Columbus, Ohio. Filed April 6, 1945. Serial No. 481,777. PUBLISHED JULY 31, 1945. Class 4.
- 417,000. YARN. SPINNERIN YARN CO., INC., New York, N. Y. Filed April 7, 1945. Serial No. 481,862. PUBLISHED JULY 24, 1945. Class 43.
- 417,001. YARN. SPINNERIN YARN CO., INC., New York, N. Y. Filed April 12, 1945. Serial No. 482,077. PUBLISHED JULY 31, 1945. Class 43.

- 417,002. STATIONERY—NAMELY, WRITING PAPER AND ENVELOPES. JOSEPH M. KATZ, Pittsburgh, Pa. Filed April 21, 1945. Serial No. 482,427. PUBLISHED JULY 31, 1945. Class 37.
- 417,003. LEATHERS. THE SUPERS GLOVE COMPANY, Johnstown, N. Y. Filed April 26, 1945. Serial No. 482,661. PUBLISHED JULY 31, 1945. Class 1.
- 417,004. GAME—NAMELY, SHEETS OF PAPER REPRESENTATIVE OF A HORSE RACE. THE LEDERER INDUSTRIES, INC., New York, N. Y. Filed April 27, 1945. Serial No. 482,680. PUBLISHED JULY 31, 1945. Class 22.
- 417,005. DOLLS. MARGARET M. LUDMAN, Centerport, N. Y. Filed April 28, 1945. Serial No. 482,752. PUBLISHED JULY 31, 1945. Class 22.
- 417,006. LIQUID PHENOL-FORMALDEHYDE RESINS. SYNVAR CORPORATION, Wilmington, Del. Filed May 1, 1945. Serial No. 482,856. PUBLISHED JULY 31, 1945. Class 1.
- 417,007. LIQUID UREA-FORMALDEHYDE RESINS. SYNVAR CORPORATION, Wilmington, Del. Filed May 1, 1945. Serial No. 482,858. PUBLISHED JULY 31, 1945. Class 1.
- 417,008. WOODEN DRUMS FOR CONTAINING LOOSE, SEMI-SOLID AND SOLID MATERIALS. THE GREIF BROS. COOPERAGE CORPORATION, Cleveland, Ohio, also doing business as Seymour & Peck Co., Chicago, Ill. Filed May 5, 1945. Serial No. 483,019. PUBLISHED JULY 31, 1945. Class 2.
- 417,009. FILTER PAPER. CARL SCHLEICHER & SCHUELL COMPANY, INC., New York, N. Y. Filed June 12, 1945. Serial No. 484,464. PUBLISHED JULY 31, 1945. Class 31.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

- 417,010. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) RONRICO CORPORATION, San Juan, P. R., and Miami, Fla. Filed Nov. 12, 1941. Serial No. 448,582.

BEST RUM BAR NONE

FOR DISTILLED ALCOHOLIC LIQUORS, AND MORE PARTICULARLY RUM.
Claims use since Oct. 15, 1941.

- 417,011. (CLASS 39. CLOTHING.) BURGUNDY FROCKS, New York, N. Y. Filed May 26, 1943. Serial No. 460,919.

Burgundy Frocks

FOR LADIES', MISSES', AND JUNIOR MISSES' ARTICLES OF APPAREL—NAMELY, DRESSES.
Claims use since June 1935.

- 417,012. (CLASS 39. CLOTHING.) DAVENOW, INC. SPORTSWEAR, New York, N. Y. Filed June 29, 1943. Serial No. 461,737.

DAVEN-TWEED

FOR LADIES' AND MISSES' SUITS, JACKETS, SKIRTS, DRESSES, COATS, DRESS ENSEMBLES, AND BLOUSES.
Claims use since October 1942.

- 417,013. (CLASS 47. WINES.) IMPERIAL WINE PRODUCTS, INC., New York, N. Y. Filed Oct. 2, 1943. Serial No. 463,839.

Michelin

FOR VERMOUTH AND OTHER WINES.
Claims use since September 1942.

417,014. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) CEDARHURST WINE & LIQUOR CO., INC., Cedarhurst, N. Y. Filed Oct. 18, 1943. Serial No. 464,216.

Mexican Club

FOR HABANERO, TEQUILA, ALCOHOLIC CORDIALS, AND GIN.

Claims use since Oct. 1, 1943.

417,015. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STYLE TRADES INC., New York, N. Y. Filed Nov. 11, 1943. Serial No. 464,928.

**GAINSBORO
GABARDINE**

FOR PIECE GOODS OF COTTON, AND RAYON GABARDINE.

Claims use since Aug. 18, 1943.

417,016. (CLASS 39. CLOTHING.) LOUIS ROSENBLATT & CO., INC., New York, N. Y. Filed Mar. 13, 1944. Serial No. 468,268.



FOR JUNIOR BOYS' AND YOUNG MEN'S KNICKERS, LONGIES, SLACKS, SHORTS, OVERALLS, BIBALLS, BREECHES, SPORT JACKETS, MACKINAWs, FINGER TIP COATS, LUMBER JACKETS, SHIRT AND SLACK ENSEMBLES, AND JODHPURS.

Claims use since February 1944.

417,017. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) REDMER AIR DEVICES CORP., Chicago, Ill. Filed Mar. 24, 1944. Serial No. 468,631.



The drawing is lined for red.
FOR AIR CHUCKS FOR HOLDING WORK PIECES.
Claims use since Mar. 1, 1944.

417,018. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MAX WINTER, trading under the name of Max Winter's Chemical Laboratory, Reading, Pa. Filed June 6, 1944. Serial No. 470,951.



FOR LIQUID CLEANER, POLISH, AND FOGGING PREVENTIVE FOR LENSES AND THE LIKE.
Claims use since February 1941.

417,019. (CLASS 38. PRINTS AND PUBLICATIONS.) BOOKTAB, INC., New York, N. Y. Filed June 8, 1944. Serial No. 471,019.

News Story

FOR A MONTHLY MAGAZINE.
Claims use since May 5, 1944.

417,020. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STROOCK & CO., INC., New York, N. Y. Filed June 15, 1944. Serial No. 471,288.



FOR WOOLEN PIECE GOODS.
Claims use since May 16, 1944.

417,021. (CLASS 39. CLOTHING.) THE HECHT COMPANY, Washington, D. C., also doing business as The Hub, Baltimore, Md. Filed June 21, 1944. Serial No. 471,476.

Kingsley

FOR FUR COATS.
Claims use since June 8, 1944.

417,022. (CLASS 38. PRINTS AND PUBLICATIONS.) ZIFF-DAVIS PUBLISHING COMPANY, Chicago, Ill. Filed June 24, 1944. Serial No. 471,051.

**RADIO • ELECTRONIC
Dealer**

FOR A TRADE MAGAZINE.
Claims use since May 17, 1944.

417,023. (CLASS 39. CLOTHING.) MORSE & MORSE, Los Angeles, Calif. Filed July 3, 1944. Serial No. 471,912.

NYLAND

FOR WOMEN'S AND CHILDREN'S WEARING APPAREL—NAMELY, PANTIES, STEP-INS, BLOOMERS, DRESSES, PAJAMAS, CHEMISES, VESTS, NIGHT-GOWNS, POLO SHIRTS AND SLIPS, MADE OF TEXTILE FABRICS.

Claims use since June 20, 1944.

417,024. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOODALL WORSTED COMPANY, Sanford, Maine, now by change of name Goodall-Sanford, Inc. Filed July 8, 1944. Serial No. 472,002.

Dry Coolth

FOR PIECE GOODS OF MOHAIR, SILK, COTTON, LINEN, RAYON, NYLON, AND PROTEIN FIBRES, AND OF VARIOUS MIXTURES THEREOF.

Claims use since Apr. 1, 1944.

417,025. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOODALL WORSTED COMPANY, Sanford, Maine, now by change of name Goodall-Sanford, Inc. Filed July 11, 1944. Serial No. 472,107.

Air Coolth

FOR PIECE GOODS OF MOHAIR, WOOL, SILK, COTTON, LINEN, RAYON, NYLON, AND PROTEIN FIBRES AND OF VARIOUS MIXTURES THEREOF.

Claims use since Apr. 1, 1944.

417,026. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOODALL WORSTED COMPANY, Sanford, Maine, now by change of name Goodall-Sanford, Inc. Filed July 11, 1944. Serial No. 472,109.

Coolth

FOR PIECE GOODS OF MOHAIR, WOOL, SILK, COTTON, LINEN, RAYON, NYLON, AND PROTEIN FIBRES, AND OF VARIOUS MIXTURES THEREOF.
Claims use since Apr. 1, 1944.

417,027. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOODALL WORSTED COMPANY, Sanford, Maine, now by change of name Goodall-Sanford, Inc. Filed July 11, 1944. Serial No. 472,110.

Goodall Casuals

FOR PIECE GOODS OF MOHAIR, WOOL, SILK, COTTON, LINEN, RAYON, NYLON, AND PROTEIN FIBRES, AND OF VARIOUS MIXTURES THEREOF.
Claims use since Apr. 1, 1944.

417,028. (CLASS 38. PRINTS AND PUBLICATIONS.) BRYAN DAVIS PUBLISHING COMPANY, INC., New York, N. Y. Filed July 14, 1944. Serial No. 472,230.

**RADIO
MERCHANDISING**

FOR A MONTHLY MAGAZINE.
Claims use since June 1, 1944.

417,029. (CLASS 47. WINES.) SOUTH AMERICAN SUPPLY CO., Hollywood, Calif., and Santiago, Chile. Filed Aug. 2, 1944. Serial No. 472,884.

Monte Alto

FOR WINES.
Claims use since June 9, 1944.

417,030. (CLASS 38. PRINTS AND PUBLICATIONS.) JAMES S. HINES, San Francisco, Calif. Filed Aug. 7, 1944. Serial No. 473,026.

*Pacific
WORLD
TRADE*

FOR A DEPARTMENT OR A SECTION IN A MAGAZINE RELATING TO FOREIGN TRADE OUTLOOK.
Claims use since May 1, 1944.

417,031. (CLASS 39. CLOTHING.) OXFORD MANUFACTURING Co., Atlanta, Ga. Filed Aug. 7, 1944. Serial No. 473,036.

*Comfort
Cloud*

FOR JUVENILE, BOYS' AND MEN'S CLOTHING—NAMESLY, SPORT SHIRTS, SPORT SLACKS, SPORT ENSEMBLE SETS—NAMESLY, SLACK SUITS, CONSISTING OF SHIRTS AND SLACKS AND SPORT JACKETS. Claims use since May 31, 1944.

417,032. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TAKAKI SANYO-DO, Honolulu, Territory of Hawaii. Filed Aug. 12, 1944. Serial No. 473,237.

RHEINA

ライナ

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF SKIN IRRITATIONS. Claims use since 1940.

417,033. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BELOO'S COSMETICS, LTD., New York, N. Y. Filed Aug. 19, 1944. Serial No. 473,443.

Loube

FOR HAND AND FACE LOTIONS. Claims use since Aug. 16, 1944.

417,034. (CLASS 39. CLOTHING.) THE KORB COM-PANY, New York, N. Y. Filed Nov. 17, 1944. Serial No. 476,568.

Dorothy Korb

FOR LADIES' PLAYSUITS, JUMPERS, BLOUSES, ONE AND TWO PIECE DRESSES, SLACK SUITS, SEPARATE SLACKS AND SEPARATE JACKETS. Claims use since May 23, 1944.

417,035. (CLASS 47. WINES.) ESTATE OF SAMUELE SEBASTIANI, doing business as Samuele Sebastiani, Sonoma, Calif. Filed Dec. 27, 1944. Serial No. 477,982.

S&S

Samuele Sebastiani

FOR WINES. Claims use since 1941.

417,036. (CLASS 39. CLOTHING.) BRUMBEAU CLOTHES, INC., Norfolk, Va. Filed Jan. 17, 1945. Serial No. 478,700.

London Row



Rafelman's

FOR MEN'S SUITS, COATS, PANTS, VESTS, AND OVERCOATS. Claims use since July 1, 1944.

417,037. (CLASS 48. MALT BEVERAGES AND LIQUORS.) JOHN HOHENADEL BREWERY, Inc., Philadelphia, Pa. Filed January 18, 1945. Serial No. 478,752.



Hohenadel

The drawing is lined for red, blue, green, and yellow. FOR BEER. Claims use since January 1905.

417,038. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HOWARD C. JAMES, Philadelphia, Pa. Filed Jan. 31, 1945. Serial No. 479,238.

Knife-Crafters

FOR COMBAT OR COMMANDO KNIVES, THROWING KNIVES, SPORTSMEN'S KNIVES, AND THROWING KNIFE DARTS. Claims use since June 19, 1944.

417,039. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MORTON MANUFACTURING CORPORATION, doing business as Blair of Virginia, Lynchburg, Va. Filed February 14, 1945. Serial No. 479,805.

PINK-LAX

FOR MEDICATED LAXATIVE CHEWING GUM. Claims use since 1926.

417,040. (CLASS 39. CLOTHING.) PINCUS BROTHERS, Inc., Philadelphia, Pa. Filed Feb. 16, 1945. Serial No. 479,899.

Kenilworth
CLOTHES

FOR SUITS, COATS, VESTS, PANTS, TOPCOATS AND OVERCOATS FOR MEN. Claims use since June 12, 1943.

417,041. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) RICHARD MAX RAUNER, New York, N. Y. Filed March 28, 1945. Serial No. 481,429.

"TAILORED LEATHER"

FOR BILLFOLDS, COVERS MADE FROM LEATHER FOR COMPACTS SOLD EMPTY, PURSES AND SMALL LEATHER BAGS TO BE ATTACHED TO THE BELT OF SLACKS OR TROUSERS, POCKETBOOKS. Claims use since Jan. 25, 1944.

417,042. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TED STOPPICK & Co., New York, N. Y. Filed Apr. 11, 1945. Serial No. 482,022.

Pictorial Arts

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES AND MIXTURES THEREOF. Claims use since Dec. 27, 1943.

417,043. (CLASS 39. CLOTHING.) GEO. MERRITT SHOE CO., INC., Brockton, Mass. Filed Apr. 19, 1945. Serial No. 482,337.



FOR SHOES MADE OF LEATHER, LEATHER AND RUBBER, LEATHER AND FABRIC, AND COMBINATIONS. Claims use since Feb. 21, 1941.

417,044. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HUGO M. PRINCE, New York, N. Y. Filed Apr. 26, 1945. Serial No. 482,642.

LAMBETH WOOLENS

FOR WOOLEN AND WORSTED FABRICS IN THE PIECE. Claims use since Feb. 1, 1944.

417,045. (CLASS 39. CLOTHING.) MILIUS SHOE COMPANY, St. Louis, Mo. Filed Apr. 28, 1945. Serial No. 482,755.

Fashion Fresh

FOR SHOES MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. Claims use since July 1940.

417,046. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) GLENMORE DISTILLERIES COMPANY, Owensboro, Ky. Filed May 4, 1945. Serial No. 482,986.

**OLD
THOMPSON**

FOR WHISKEY.
Claims use since July 12, 1943.

417,047. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) LE SAGE COMPANY, Dallas, Tex. Filed May 4, 1945. Serial No. 482,986.

*Valley
Springs*

FOR LIQUEURS AND GIN.
Claims use since 1937.

417,048. (CLASS 39. CLOTHING.) BERT ROTH, doing business as Jane Fowler, New York, N. Y. Filed May 12, 1945. Serial No. 483,285.

lady deane

FOR WOMEN'S, MISSES' AND GIRLS' BLOUSES, JUMPERS, PLAY SUITS, JACKETS, DRESSES, SKIRTS, HOUSECOATS.

Claims use since Feb. 16, 1944.

417,049. (CLASS 38. PRINTS AND PUBLICATIONS.) AMUSEMENT PUBLISHING CO., Atlantic City, N. J. Filed May 23, 1945. Serial No. 483,669.

AMUSEMENTS

FOR A WEEKLY PERIODICAL RELATING TO PLACES OF AMUSEMENT AND ENTERTAINMENT.
Claims use since June 1918.

417,050. (CLASS 15. OILS AND GREASES.) J. A. GRAY, Houston, Tex. Filed June 4, 1945. Serial No. 484,127.

Jimmie Gray



FOR TOOL JOINT COMPOUND—NAMELY, A MIXTURE OF GREASE, RED LEAD, HIGH PRESSURE LUBRICANT AND GRAPHITE USED AS A LUBRICANT ON THE THREADED ENDS OF JOINTS OF DRILL PIPE.

Claims use since Jan. 1, 1940.

417,051. (CLASS 45. BEVERAGES, NONALCOHOLIC.) NILES A. FOSTER, New York, N. Y. Filed June 8, 1945. Serial No. 484,294.

FOSTER'S

FOR NONALCOHOLIC ORANGE BEVERAGE, IN THE NATURE OF A SOFT DRINK.
Claims use since January 1942.

417,052. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) EVERSTICK ANCHOR COMPANY, Fairfield, Iowa. Filed June 15, 1945. Serial No. 484,563.

EVERSTICK

FOR EARTH ANCHORS.
Claims use since May 1, 1906.

417,053. (CLASS 43. THREAD AND YARN.) STANDARD THREAD COMPANY, INC., New York, N. Y. Filed June 21, 1945. Serial No. 484,858.

RIDGEFIELD

FOR THREAD.
Claims use since July 1, 1938.

417,054. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) GROSSMAN MUSIC CO., Cleveland, Ohio. Filed June 29, 1945. Serial No. 485,217.

KLEAR-TONE

FOR GUITARS, BANJOS, TENOR BANJOS, MANDOLINS, BANJO MANDOLINS, UKULELES, BANJO UKULELES AND STRINGS FOR SAID INSTRUMENTS; SAXOPHONES, CLARINETS, CORNETS, TRUMPETS, BUGLES, TROMBONES, HARMONICAS, ACCORDIONS, PHONOGRAPHS, PHONOGRAPH RECORDS AND PHONOGRAPH RECORD ALBUMS; AND VIOLIN STRINGS.
Claims use since Apr. 1, 1923.

417,055. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) N. A. WOODWORTH COMPANY, Ferndale, Mich. Filed July 4, 1945. Serial No. 485,467.

WOODWORTH

FOR THREAD PLUG GAGES, CYLINDRICAL PLUG GAGES, THREAD RING GAGES, PLAIN RING GAGES, AND SPECIAL GAGES MANUFACTURED TO CUSTOMERS' SPECIFICATIONS.
Claims use since Jan. 1, 1944.

TRADE-MARK REGISTRATIONS RENEWED

26,468. "GOLDEN CROWN" ETC. AND DRAWING. CIGARS, SNUFF, AND TOBACCO. Registered Apr. 23, 1895. BEST & RUSSELL COMPANY, Chicago, Ill. Re-renewed Apr. 23, 1945, to General Cigar Co., Inc., New York, N. Y., a corporation of New York. Class 17.

27,138. CEREBOS. SALT, BAKING-POWDER, CAKES, AND BREAD. Registered Oct. 8, 1895. GEORGE WEDDELL, Newcastle-on-Tyne, England. Re-renewed Oct. 8, 1945, to Cerebos, Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 46.

44,483. NEW-YORKER STAATS-ZEITUNG. DAILY NEWSPAPER. Registered July 11, 1905. NEW YORKER STAATS ZEITUNG. Re-renewed July 11, 1945, to Staats-Herold Corporation, New York, N. Y., a corporation of New York. Class 38.

44,539. BOSS. STOVES, RANGES, FURNACES, OVENS, AND HEATING-DRUMS. Registered July 11, 1905. ERNST H. HUENEFELD. Re-renewed July 11, 1945, to The Huenefeld Company, Cincinnati, Ohio, a corporation of Ohio. Class 34.

44,919. MERCANTILE. LEAD-PENCILS. Registered Aug. 1, 1905. EAGLE PENCIL COMPANY. Re-renewed Aug. 1, 1945, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Class 37.

44,920. "SUN" AND DRAWING. LEAD-PENCILS. Registered Aug. 1, 1905. EAGLE PENCIL COMPANY. Re-renewed Aug. 1, 1945, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Class 37.

44,921. "EXPRESS" AND DRAWING. LEAD-PENCILS. Registered Aug. 1, 1905. EAGLE PENCIL COMPANY. Re-renewed Aug. 1, 1945, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Class 37.

44,924. OFFICE. LEAD PENCILS. Registered Aug. 1, 1905. EAGLE PENCIL COMPANY. Re-renewed Aug. 1, 1945, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Class 37.

44,942. REPRESENTATIONS OF AN EAGLE AND OVAL METALLIC PENS. Registered Aug. 1, 1905. EAGLE PENCIL COMPANY. Re-renewed Aug. 1, 1945, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Class 37.

45,067. FLOWED STEEL. STEEL CASTINGS. Registered Aug. 8, 1905. THE ALTMAN & TAYLOR MACHINERY COMPANY, Mansfield, Ohio. Re-renewed Aug. 8, 1945, to The Babcock & Wilcox Company, New York, N. Y., a corporation of New Jersey. Class 14.

45,249. REPRESENTATION OF A CIRCLE. CARTRIDGES SUCH AS ARE ADAPTED FOR BREECH-LOADING FIREARMS. Registered Aug. 8, 1905. WINCHESTER REPEATING ARMS CO. Re-renewed Aug. 8, 1945, to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware. Class 9.

579 O. G.—12

45,482. MOLDINE. IMPRESSION AND MOLDING COMPOUNDS. Registered Aug. 22, 1905. THE S. S. WHITE DENTAL MFG. CO., Philadelphia, Pa., Chicago, Ill., New York, Brooklyn and Rochester, N. Y., and Boston, Mass. Re-renewed Aug. 22, 1945, to The S. S. White Dental Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania. Class 44.

45,673. TRUMPET. FABRIC HOSE. Registered Aug. 29, 1905. EUREKA FIRE HOSE CO., Jersey City, N. J. Re-renewed Aug. 29, 1945, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.

45,674. "U S" AND DESIGN. FABRIC HOSE. Registered Aug. 29, 1905. EUREKA FIRE HOSE CO., Jersey City, N. J. Re-renewed Aug. 29, 1945, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.

45,700. "CROWN" AND DRAWING. LEAD-PENCILS. Registered Aug. 29, 1905. EAGLE PENCIL COMPANY. Re-renewed Aug. 29, 1945, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Class 37.

45,756. "EAGLE" AND DRAWING. LEAD-PENCILS. Registered Aug. 29, 1905. EAGLE PENCIL COMPANY. Re-renewed Aug. 29, 1945, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Class 37.

45,776. SURPRISE. FABRIC HOSE. Registered Aug. 29, 1905. EUREKA FIRE HOSE CO., Jersey City, N. J. Re-renewed Aug. 29, 1945, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.

45,777. TROJAN. FABRIC HOSE. Registered Aug. 29, 1905. EUREKA FIRE HOSE CO., Jersey City, N. J. Re-renewed Aug. 29, 1945, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.

45,778. EAGLE. FABRIC HOSE. Registered Aug. 29, 1905. EUREKA FIRE HOSE CO., Jersey City, N. J. Re-renewed Aug. 29, 1945, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.

45,779. TRADE. FABRIC HOSE. Registered Aug. 29, 1905. EUREKA FIRE HOSE CO., Jersey City, N. J. Re-renewed Aug. 29, 1945, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.

45,780. PREMIER. FABRIC HOSE. Registered Aug. 29, 1905. EUREKA FIRE HOSE CO., Jersey City, N. J. Re-renewed Aug. 29, 1945, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.

- 45,781. **REPRESENTATION OF AN EAGLE UPON A HYDRANT. FABRIC HOSE.** Registered Aug. 29, 1905. EUREKA FIRE HOSE CO., Jersey City, N. J. Re-renewed Aug. 29, 1945, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.
- 45,872. **THIALION. LAXATIVE SALT OF LITHIA.** Registered Aug. 29, 1905. THE VASS CHEMICAL CO., INCORPORATED, Danbury, Conn., a corporation of Connecticut. Renewed Aug. 29, 1945. Class 6.
- 46,059. **BALDWIN. PIANOS.** Registered Sept. 5, 1905. THE BALDWIN PIANO CO. Re-renewed Sept. 5, 1945, to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio. Class 36.
- 46,105. **MONITOR. FABRIC HOSE.** Registered Sept. 5, 1905. EUREKA FIRE HOSE CO., Jersey City, N. J. Re-renewed Sept. 5, 1945, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.
- 46,106. **PARAGON. HYDRAULIC HOSE.** Registered Sept. 5, 1905. EUREKA FIRE HOSE CO., Jersey City, N. J. Re-renewed Sept. 5, 1945, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.
- 46,182. **"RED CROSS" AND DRAWING. FABRIC HOSE.** Registered Sept. 12, 1905. EUREKA FIRE HOSE CO., Jersey City, N. J. Re-renewed Sept. 12, 1945, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.
- 46,677. **EUREKA. HYDRAULIC HOSE.** Registered Oct. 3, 1905. EUREKA FIRE HOSE CO., Jersey City, N. J. Re-renewed Oct. 3, 1945, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.
- 46,766. **CALYPSOL. LUBRICATING GREASE AND OILS.** Registered Oct. 10, 1905. DIAMOND COMPOUND COMPANY, Newark and Harrison, N. J. Re-renewed Oct. 10, 1945, to Swan-Finch Oil Corporation, New York, N. Y., a corporation of New York. Class 15.
- 46,969. **"GI" AND DESIGN. CHAMPAGNE OR SPARKLING WINE.** Registered Oct. 17, 1905. AMERICAN WINE CO. Re-renewed Oct. 17, 1945, to American Wine Company, St. Louis, Mo., a corporation of Missouri. Class 47.
- 47,006. **20TH CENTURY. FABRIC HOSE.** Registered Oct. 17, 1905. EUREKA FIRE HOSE COMPANY, Jersey City, N. J. Re-renewed Oct. 17, 1945, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.
- 47,093. **W. SHOT-SHELLS, CARTRIDGES, AND PRIMERS.** Registered Oct. 24, 1905. WINCHESTER REPEATING ARMS CO. Re-renewed Oct. 24, 1945, to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware. Class 9.
- 47,230. **IMPERIAL. RAZORS.** Registered Oct. 31, 1905. ADOLPH KASTOR & BROS. Re-renewed Oct. 31, 1945, to Adolph Kastor & Bros., Inc., New York, N. Y., a corporation of New York. Class 23.
- 47,352. **W.R.A.CO. SHOT, SHELLS, AND CARTRIDGES.** Registered Oct. 31, 1905. WINCHESTER REPEATING ARMS CO. Re-renewed Oct. 31, 1945, to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware. Class 9.
- 47,449. **CHAMBERLAIN'S ETC. MEDICINE FOR THE CURE OF COUGHS, COLDS, CROUP, WHOOPING COUGH, HOARSENESS, BRONCHITIS, SORE THROAT, INFLUENZA, INCIPIENT CONSUMPTION, AND OTHER DISEASES OF THE THROAT AND LUNGS.** Registered Nov. 7, 1905. CHAMBERLAIN MEDICINE CO., Des Moines, Iowa. Re-renewed Nov. 7, 1945, to Chamberlain Medicine Company, Inc., New York, N. Y., a corporation of Delaware. Class 6.
- 47,621. **PACKARD. MOTOR-VEHICLES AND PARTS THEREOF.** Registered Nov. 14, 1905. PACKARD MOTOR CAR COMPANY. Re-renewed Nov. 14, 1945, to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan. Class 19.
- 47,824. **"J. B. KING & CO." ETC. AND DESIGN. PLASTER-OF-PARIS.** Registered Nov. 21, 1905. J. B. KING & CO., New York, N. Y. Re-renewed Nov. 21, 1945, to United States Gypsum Company, Chicago, Ill., a corporation of Illinois. Class 12.
- 48,084. **REPRESENTATION OF A GLOBE. DRIED BEANS.** Registered Dec. 5, 1905. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Dec. 5, 1945. Class 46.
- 48,210. **Q. WOODEN AX AND TOOL HANDLES.** Registered Dec. 19, 1905. DUNHAM, CARRIGAN & HAYDEN CO., San Francisco, Calif., a corporation of California. Re-renewed Dec. 19, 1945. Class 23.
- 48,273. **"PURE BOTANY CONFINED" AND DESIGN. WOOLEN DRESS GOODS.** Registered Dec. 19, 1905. BOTANY WORSTED MILLS, Passaic, N. J., and New York, N. Y. Re-renewed Dec. 19, 1945, to Botany Worsted Mills, Passaic, N. J., a corporation of New Jersey. Class 42.
- 48,343. **LUSTROLA. COMPOSITION FOR DRESSING OR POLISHING THE NAILS.** Registered Dec. 26, 1905. DR. J. PARKER PRAY COMPANY, LIMITED, New York, N. Y. Re-renewed Dec. 26, 1945, to Northam Warren Corporation, Stamford, Conn., a corporation of New York. Class 6.
- 48,356. **"GARLOCK" AND DRAWING. RUBBER COMPOSITION ROD AND JOINT PACKING.** Registered Dec. 26, 1905. THE GARLOCK PACKING COMPANY, Palmyra, N. Y., a corporation of New York. Re-renewed Dec. 26, 1945. Class 35.
- 48,362. **TRIUMPH. SEWING-MACHINES AND SEWING-MACHINE ATTACHMENTS.** Registered Dec. 26, 1905. ABRAHAM & STRAUS. Re-renewed Dec. 26, 1945, to Abraham & Straus, Inc., Brooklyn, N. Y., a corporation of New York. Class 23.
- 48,401. **JAP-A-LAC. VARNISH STAINS OR COLORED VARNISHES.** Registered Dec. 26, 1905. THE GLIDDEN VARNISH COMPANY. Re-renewed Dec. 26, 1945, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio. Class 16.
- 48,403. **"NOARK" AND DESIGN. INCLOSED ELECTRIC FUSES.** Registered Dec. 26, 1905. THE JOHN-PHATT CO., Hartford, Conn. Re-renewed Dec. 26, 1945, to Federal Electric Products Company, Inc., Newark, N. J., a corporation of New Jersey. Class 21.
- 48,481. **HEAD LIGHT. COATS, PANTS, OVERALLS, AND BLOUSES.** Registered Jan. 2, 1906. LARNED CARTER AND CO., Detroit, Mich. Re-renewed Jan. 2, 1946, to The Crown Overall Mfg. Company, Cincinnati, Ohio, a corporation of Ohio. Class 39.
- 49,361. **UNION SPECIAL. SEWING-MACHINES AND PARTS THEREOF.** Registered Jan. 30, 1906. UNION SPECIAL MACHINE COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Jan. 30, 1946. Class 23.
- 200,617. **INSHURED. TRUNKS, BAGS, AND SUIT CASES.** Registered July 7, 1925. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed July 7, 1945. Class 3.
- 200,830. **"MAKES THIRST A JOY". NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME—NAMESLY, ROOT BEER AND ROOT-BEER SIRUPS.** Registered July 14, 1925. SOUTHERN BEVERAGE COMPANY. Renewed July 14, 1945, to Galveston-Houston Breweries, Inc., Galveston, Tex., a corporation of Texas. Class 45.

- 200,920. **"SHAWINIGAN S" AND DESIGN. ACETALDEHYDE AND ITS POLYMERS, ALDOL, PARALDEHYDE, METALDEHYDE; ACETIC ACID, ACETIC ANHYDRIDE, VINYL ACETATE; ETHYLIDENE DEACETATE, OXIDES AND SULPHATES OF MERCURY, AND RUBBER ACCELERATORS, PARTICULARLY, ALDEHYDE AMMONIA.** Registered July 14, 1925. SHAWINIGAN PRODUCTS CORPORATION, New York, N. Y., a corporation of New York. Renewed July 14, 1945. Class 6.
- 200,921. **"SHAWINIGAN S" AND DESIGN. CALCIUM CARBIDE.** Registered July 14, 1925. SHAWINIGAN PRODUCTS CORPORATION, New York, N. Y., a corporation of New York. Renewed July 14, 1945. Class 6.
- 200,937. **HEXSOTE. CREOSOTE WOOD PRESERVATIVES.** Registered July 14, 1925. TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Renewed July 14, 1945, to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware. Class 6.
- 200,938. **HEXOCIDE. DISINFECTANTS AND INSECTICIDES.** Registered July 14, 1925. TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Renewed July 14, 1945, to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware. Class 6.
- 201,100. **HEXSULATE. CHEMICAL COMPOUND OR MIXTURE TO BE USED FOR IMPREGNATING AND WATERPROOFING TEXTILE COVERINGS OF ELECTRICAL CONDUCTORS.** Registered July 21, 1925. TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Renewed July 21, 1945, to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware. Class 6.
- 201,697. **UNIPULVO. FUEL GRINDERS AND PULVERIZERS, FUEL PULVERIZING AND FEEDING UNITS, BURNERS, PULVERIZED-FUEL-CONVEYING PIPES AND DUCTS, ASH DOORS, INSPECTION DOORS, AIR-INLET DEVICES, AND METAL ACCESSORIES INCIDENTAL TO THE DISTRIBUTION OF FUEL TO FURNACES, HEATERS, BOILERS, AND THE LIKE, AND CERTAIN OTHER NAMED PARTS OF HEATING APPARATUS.** Registered Aug. 4, 1925. THE STRONG-SCOTT MFG. CO., Minneapolis, Minn., a corporation of Minnesota. Renewed Aug. 4, 1945. Class 34.
- 201,705. **EL-O-RANGE. COAL AND WOOD STOVES.** Registered Aug. 4, 1925. THE ESTATE STOVE COMPANY, Hamilton, Ohio, a corporation of Ohio. Renewed Aug. 4, 1945. Class 34.
- 201,758. **HIMCO. CONSTRUCTION MATERIALS—NAMESLY, COPPER CORNER BARS, DIVISION BARS, COPPER MOLDINGS, AND COPPER SILLS.** Registered Aug. 4, 1925. HIMMEL BROTHERS, New Haven, Conn. Renewed Aug. 4, 1945, to The Himmel Brothers Company, Hamden, Conn., a corporation of Connecticut. Class 12.
- 201,784. **U S G. PLASTER BOARD, PLASTER WALL BOARD, GYPSUM ROOF TILE, GYPSUM PARTITION TILE, GYPSUM FLOOR DOMES, GYPSUM WALL PLASTERS, GYPSUM FINISHING PLASTERS, GYPSUM CEMENT PLASTERS, GYPSUM DENTAL PLASTERS, GYPSUM POTTERY PLASTERS, GYPSUM SURFACING MATERIALS, GYPSUM ROOF MATERIALS.** Registered Aug. 4, 1925. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Aug. 4, 1945. Class 12.
- 201,898. **HOBART. ELECTRIC COFFEE MILLS, ELECTRIC MEAT AND FOOD CHOPPERS, ELECTRIC BONE GRINDERS, ELECTRIC TOOL GRINDERS, ELECTRIC BREAD CRUMBERS, ELECTRIC VEGETABLE SLICERS, AND ELECTRICALLY DRIVEN MIXING MACHINES FOR THE PREPARATION OF FOOD PRODUCTS.** Registered Aug. 11, 1925. THE HOBART MANUFACTURING COMPANY, Troy, Ohio, a corporation of Ohio. Renewed Aug. 11, 1945. Class 21.
- 202,354. **"SHAWINIGAN S" AND DESIGN. CARBON BLACK, PARTICULARLY ACETYLENE BLACK.** Registered Aug. 18, 1925. SHAWINIGAN PRODUCTS CORPORATION, New York, N. Y., a corporation of New York. Renewed Aug. 18, 1945. Class 1.
- 203,026. **PIPING ROCK. CLOTHING—NAMESLY, COATS, VESTS, TROUSERS, KNICKERBOCKERS, AND OVERCOATS—FOR MEN AND YOUTHS.** Registered Sept. 8, 1925. ALFRED DECKER & COHN, INC., Chicago, Ill., a corporation of Illinois. Renewed Sept. 8, 1945. Class 39.
- 203,036. **SCOTCH DOWNS. CLOTHING—NAMESLY, MEN'S OVERCOATS, TOPCOATS, AND RAINCOATS, AND SIMILAR COATS FOR WOMEN AND CHILDREN.** Registered Sept. 8, 1925. ALFRED DECKER & COHN, INC., Chicago, Ill., a corporation of Illinois. Renewed Sept. 8, 1945. Class 39.
- 203,062. **"CU-STAR-DA" AND DESIGN. FLAVORINGS AND FLAVORING EXTRACTS (BOTH SYNTHETIC AND NATURAL) FOR FOODS.** Registered Sept. 8, 1925. STAR EXTRACT WORKS, INC. Renewed Sept. 8, 1945, to Star Kay White, New York, N. Y., a partnership. Class 46.
- 203,116. **H. M. P. ASPHALT ROOFING COMPOUND.** Registered Sept. 8, 1925. PIONEER PAPER COMPANY, Los Angeles, Calif. Renewed Sept. 8, 1945, to The Flintkote Company, New York, N. Y., a corporation of Massachusetts. Class 12.
- 203,122. **ATRAUMATIC. SURGICAL AND DENTAL NEEDLES AND COMBINED NEEDLES AND SUTURES.** Registered Sept. 8, 1925. DAVID & GECK, INC., Brooklyn, N. Y., a corporation of New York. Renewed Sept. 8, 1945. Class 44.
- 203,272. **MERSHOL. OILS FOR HEATING, LIGHTING, AND LUBRICATING.** Registered Sept. 15, 1925. C. C. WAKEFIELD & COMPANY, LIMITED, London, England, a company incorporated in the United Kingdom of Great Britain. Renewed Sept. 15, 1945. Class 15.
- 203,701. **FEATHERPLATE. BOOK PAPER.** Registered Sept. 22, 1925. KIMBERLY-CLARK COMPANY. Renewed Sept. 22, 1945, to Kimberly-Clark Corporation, Neenah, Wis., a corporation of Delaware. Class 37.
- 203,764. **SCHEBLER. CARBURETORS.** Registered Sept. 22, 1925. THE WHEELER-SCHERLER CARBURETOR CO., Indianapolis, Ind. Renewed Sept. 22, 1945, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois. Class 23.
- 203,904. **"S'ORD POINT" AND DRAWING. WIRE CLINCHING SHOE NAILS.** Registered Sept. 29, 1925. L. F. GRAMMES & SONS, INC., Allentown, Pa., a corporation of Maryland. Renewed Sept. 29, 1945. Class 13.
- 203,913. **REPRESENTATION OF A PIONEER. COMPOSITION READY OR PREPARED ROOFINGS, BUILDING PAPERS, INSULATING PAPERS, FLASHING COMPOUND, LAP CEMENT, CHIP BOARD, ASPHALT ROOFING COMPOUND, ASPHALT SATURATED AND COATED REINFORCING FELT FOR BUILT-UP ROOFINGS, WATERPROOF AND DAMPROOF, USED IN CONNECTION WITH BUILDING CONSTRUCTIONS, AND LIQUID ROOF COATING AND PRIMER.** Registered Sept. 29, 1925. PIONEER PAPER COMPANY, Los Angeles, Calif. Renewed Sept. 29, 1945, to The Flintkote Company, New York, N. Y., a corporation of Massachusetts. Class 12.
- 204,046. **DIXIE DELIGHT. SELF-RISING WHEAT FLOUR.** Registered Oct. 6, 1925. THE RED STAR MILLING COMPANY, Wichita, Kans. Renewed Oct. 6, 1945, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

- 204,092. **TYFON. SOUND-EMITTING APPARATUS HAVING A DIAPHRAGM DRIVEN BY FLUID UNDER PRESSURE—NAMELY, SIRENS, FOG-HORNS, SIGNALING HORNS, AND WHISTLES.** Registered Oct. 6, 1925. KOCKUMS MEKANISKA VERSTADS AKTIEBOLAG, Malmo, Sweden. Renewed Oct. 6, 1945, to Leslie Co., Lyndhurst, N. J., a corporation of New Jersey. Class 23.
- 204,295. **FUMOL. ALDEHYDE CONDENSATION PRODUCTS USED AS FROTHING AGENTS IN FLOTATION PROCESSES.** Registered Oct. 13, 1925. SHAWINIGAN PRODUCTS CORPORATION, New York, N. Y., a corporation of New York. Renewed Oct. 13, 1945. Class 6.
- 204,712. **ESTELLE. HOSIERY FOR MEN, WOMEN, AND CHILDREN.** Registered Oct. 20, 1925. SCHUYLKILL VALLEY MILLS, INC., Spring City, Pa., a corporation of Pennsylvania. Renewed Oct. 20, 1945. Class 39.
- 205,246. **"JAPANOID" AND DRAWING. FISHING LINES.** Registered Nov. 3, 1925. UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield, Mass., a corporation of Maine. Renewed Nov. 3, 1945. Class 22.
- 205,247. **"QUEEN OF WATERS" AND DRAWING. FISHING LINES.** Registered Nov. 3, 1925. UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield, Mass., a corporation of Maine. Renewed Nov. 3, 1945. Class 22.
- 205,304. **"BLACK GNAT" AND DRAWING. FISHING LINES.** Registered Nov. 3, 1925. UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield, Mass., a corporation of Maine. Renewed Nov. 3, 1945. Class 22.
- 205,776. **GHIRARDELLI'S. CHOCOLATE, CANDY, COCOA, AND MUSTARD.** Registered Nov. 17, 1925. D. GHIRARDELLI Co., San Francisco, Calif., a corporation of California. Renewed Nov. 17, 1945. Class 46.
- 205,822. **SANETTE. GARBAGE AND WASTE CANS.** Registered Nov. 17, 1925. MASTER METAL PRODUCTS, INC., Buffalo, N. Y., a corporation of New York. Renewed Nov. 17, 1945. Class 2.
- 206,046. **"GOLDEN SPINNER" AND DRAWING. FISHING LINES.** Registered Nov. 24, 1925. UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield, Mass., a corporation of Maine. Renewed Nov. 24, 1945. Class 22.
- 206,123. **NEW YORKER HEROLD. NEWSPAPERS.** Registered Nov. 24, 1925. GERMAN HEROLD PUBLISHING CO. OF NEW YORK CITY, INC. Renewed Nov. 24, 1945, to Staats-Herold Corporation, New York, N. Y., a corporation of New York. Class 38.
- 206,387. **"LONG TWIST" AND DESIGN. NONINTOXICATING, MALTLESS BEVERAGES AND SIRUPS AND CONCENTRATES FOR MAKING THE SAME.** Registered Dec. 1, 1925. CHERO-COLA COMPANY. Renewed Dec. 1, 1945, to Nehi Corporation, Columbus, Ga., a corporation of Delaware. Class 45.
- 206,419. **DUCTYLE. COMPOSITION PARTITION BLOCKS.** Registered Dec. 1, 1925. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Dec. 1, 1945. Class 12.
- 206,577. **"BENCH-CRAFT" ETC. AND DRAWING. MEN'S OVERCOATS AND SUITS.** Registered Dec. 8, 1925. SHERMAN & SONS, INC., Louisville, Ky., a corporation of Kentucky. Renewed Dec. 8, 1945. Class 39.
- 206,744. **O. K. UNLOADER. HAY TOOLS, CONSISTING OF HAY CARRIERS, UNLOADERS, STEEL TRACKS, SLINGS, FORKS, AND PULLEYS.** Registered Dec. 8, 1925. THE F. E. MYERS & BRO. CO. Renewed Dec. 8, 1945, to The F. E. Myers & Bro. Co., Ashland, Ohio, a corporation of Ohio. Class 23.
- 206,764. **SAFESTATE. HEATING APPLIANCES—NAMELY, GAS HEATERS.** Registered Dec. 8, 1925. THE ESTATE STOVE COMPANY, Hamilton, Ohio, a corporation of Ohio. Renewed Dec. 8, 1945. Class 34.
- 206,795. **"K B" AND DRAWING. FRESH APPLES IN BOXES.** Registered Dec. 8, 1925. KELLY BROS. CO. INC., Hood River, Oreg., a corporation of Oregon. Renewed Dec. 8, 1945. Class 46.
- 206,963. **GAYLORD BOXES. FIBER-BOARD BOXES.** Registered Dec. 15, 1925. ROBERT GAYLORD INCORPORATED. Renewed Dec. 15, 1945, to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland. Class 2.
- 207,029. **ALBALINE. LACQUER.** Registered Dec. 15, 1925. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Dec. 15, 1945. Class 16.
- 207,135. **"REX" AND DESIGN. PUMP VALVES, AND SHEET, STEAM, AIR, AMMONIA, WATER, AND OIL PACKING.** Registered Dec. 22, 1925. CRANDALL PACKING COMPANY. Renewed Dec. 22, 1945, to The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Class 35.
- 207,150. **CLARK CUTAWAY. HARROWS, CULTIVATORS, EDGED DISKS FOR AGRICULTURAL IMPLEMENTS, PLOWS, HORSE SHOES, FIELD SEEDERS, LAWN ROLLERS, FIELD ROLLERS, CIDER MILLS, FRUIT PRESSES, ROOT CUTTERS, TOBACCO PRESSES, WEEDERS, AND PARTS THEREOF.** Registered Dec. 22, 1925. THE CUTAWAY HARROW COMPANY, Higganum, Conn. Renewed Dec. 22, 1945, to Oakil, Incorporated, Hartford and Higganum, Conn., a corporation of Connecticut. Class 23.
- 207,213. **"TRIMM RADIO MANUFACTURING COMPANY" AND DESIGN. RADIO SUPPLIES—NAMELY, TELEPHONE HEAD SETS, LOUD SPEAKERS, LOUD-SPEAKER UNITS TO BE USED AS ATTACHMENTS TO AMPLIFYING HORNS (FOR EXAMPLE THE HORNS OF TALKING MACHINES), AND PARTS THEREOF.** Registered Dec. 22, 1925. TRIMM RADIO MANUFACTURING CO. Renewed Dec. 22, 1945, to Trimm, Inc., Chicago, Ill., a corporation of Illinois. Class 21.
- 207,219. **HOMER. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT.** Registered Dec. 22, 1925. ORANGE HEIGHTS FRUIT ASSOCIATION. Renewed Dec. 22, 1945, to Orange Heights Orange Association, Corona, Calif., a corporation of California. Class 46.
- 207,244. **"BEN-KNIT" AND DESIGN. KNIT UNDERWEAR.** Registered Dec. 22, 1925. BENNETT TEXTILE COMPANY, INC., Cohoes, N. Y., a corporation of New York. Renewed Dec. 22, 1945. Class 39.
- 207,278. **"BLUE SEAL" ETC. AND DRAWING. MAYONNAISE DRESSING, THOUSAND ISLAND DRESSING, FRENCH DRESSING, AND SANDWICH SPREAD MADE OF BLUE SEAL MAYONNAISE, SELECTED MEATS, PICKLES, SPICES, AND CONDIMENTS.** Registered Dec. 29, 1925. BERRY & SON. Renewed Dec. 29, 1945, to Blue Seal Food Products, Inc., Chicago, Ill., a corporation of Illinois. Class 46.
- 207,279. **LIBERTY. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT.** Registered Dec. 29, 1925. ESCONDIDO FRUIT GROWERS ASSOCIATION. Renewed Dec. 29, 1945, to Escondido Orange Association, Escondido, Calif., a corporation of California. Class 46.
- 207,282. **"INDIAN HEAD MILLS" AND DRAWING. COTTON PIECE GOODS.** Registered Dec. 29, 1925. NASHUA MANUFACTURING COMPANY, Nashua, N. H. Renewed Dec. 29, 1945, to Nashua Manufacturing Company, Boston, Mass., a corporation of New Hampshire. Class 42.
- 207,307. **KATZ-PAJAMAS. CANDY.** Registered Dec. 29, 1925. TRU BLUE BISCUIT CO., Spokane, Wash. Renewed Dec. 29, 1945, to Loose-Wiles Biscuit Company, Oakland, Calif., a corporation of California. Class 46.

- 207,310. **PAN YAN. COTTON PIECE GOODS, COMBINATION SILK AND COTTON PIECE GOODS, AND COMBINATION OF ARTIFICIAL SILK AND COTTON PIECE GOODS.** Registered Dec. 29, 1925. HENRY GLASS & CO., New York, N. Y., a corporation of New York. Renewed Dec. 29, 1945. Class 42.
- 207,317. **NEHI. NONINTOXICATING, MALTLESS BEVERAGES AND SIRUPS AND CONCENTRATES FOR MAKING THE SAME.** Registered Dec. 29, 1925. CHERO-COLA COMPANY, doing business as Chero-Cola Bottlers' Laboratories. Renewed Dec. 29, 1945, to Nehi Corporation, Columbus, Ga., a corporation of Delaware. Class 45.
- 207,319. **GOLDEN-TIP. GASOLINE.** Registered Dec. 29, 1925. STOLL OIL REFINING COMPANY, Louisville, Ky., a corporation of Kentucky. Renewed Dec. 29, 1945. Class 15.
- 207,333. **COMET. FRESH CITROUS FRUITS—NAMELY, LEMONS, ORANGES, GRAPEFRUIT.** Registered Dec. 29, 1925. CENTRAL LEMON ASSOCIATION, Villa Park, Calif. Renewed Dec. 29, 1945, to Central Lemon Association, Orange, Calif., a corporation of California. Class 46.
- 207,338. **FRONT. FRESH APPLES.** Registered Dec. 29, 1925. LAKE CHELAN FRUIT GROWERS, Chelan, Wash., a corporation of Washington. Renewed Dec. 29, 1945. Class 46.
- 207,344. **LITTLE BOY BLUE. NONALCOHOLIC, MALTLESS FLAVOR AND COLORINGS FOR SOFT DRINKS.** Registered Dec. 29, 1925. J. F. LAZIER MANUFACTURING COMPANY, INCORPORATED, St. Louis, Mo., a corporation of Missouri. Renewed Dec. 29, 1945. Class 45.
- 207,376. **WINKERS. CANDY.** Registered Dec. 29, 1925. THE D. L. CLARK COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Dec. 29, 1945. Class 46.
- 207,397. **JUMBO. CHEWING-GUM.** Registered Dec. 29, 1925. AMERICAN CHICLE COMPANY, Long Island City, N. Y., a corporation of New Jersey. Renewed Dec. 29, 1945. Class 46.
- 207,470. **"HOLLAND'S DIT" ETC. AND DESIGN. DIGESTIVE REMEDY.** Registered Jan. 5, 1926. JOSHUA HOLLAND, Chicago, Ill. Renewed Jan. 5, 1946, to Joshua Holland, Peoria, Ill. Class 6.
- 207,484. **BLACKSTONE. CIGARS.** Registered Jan. 5, 1926. WAITT & BOND, INC., Newark, N. J., a corporation of New Jersey. Renewed Jan. 5, 1946. Class 17.
- 207,523. **"GRIFFIN" ETC. AND DRAWING. DYE FOR LEATHER.** Registered Jan. 5, 1926. GRIFFIN MANUFACTURING CO. INC., New York, N. Y. Renewed Jan. 5, 1946, to Griffin Manufacturing Co. Inc., Brooklyn, N. Y., a corporation of New York. Class 6.
- 207,548. **EAGLE. MOP WRINGERS.** Registered Jan. 5, 1926. THE EAGLE WOODENWARE MFG. CO., Hamilton, Ohio, a corporation of Ohio. Renewed Jan. 5, 1946. Class 23.

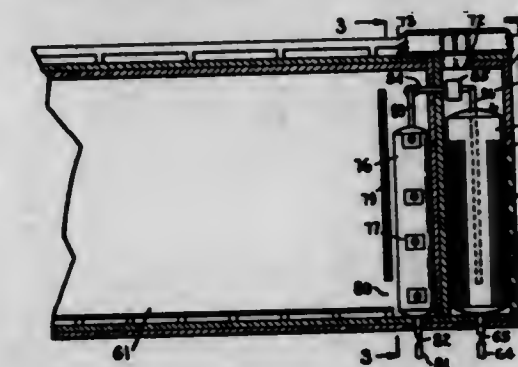
REISSUES

OCTOBER 9, 1945

22,678

REFRIGERATING SYSTEM

Oliver C. Irwin, deceased, late of New York, N. Y., by Standard Cap & Seal Corporation, assignee, New York, N. Y., a corporation of Virginia
Original No. 2,316,791, dated April 20, 1943, Serial No. 632,740, September 12, 1932. Application for reissue April 19, 1944, Serial No. 531,846
11 Claims. (Cl. 62-2)



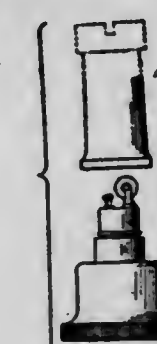
2. A refrigerator power-moved unit comprising a body, a combined refrigerant holder and evaporator of an absorption refrigeration system mounted in the body and having refrigerant storage capacity, an absorber for the spent refrigerant mounted outside said body, a pipe connection from the evaporator to the absorber, and means in said connection responsive to the pressure in said evaporator for automatically limiting the evaporator pressure to maintain substantially uniform temperature in the evaporator.

22,679

DESIGN FOR A CIGARETTE LIGHTER

Harry Negbaur, New York, N. Y.
Original No. 138,089, dated June 13, 1944, Serial No. 113,066, March 29, 1944, for 14 years. Application for reissue June 1, 1945, Serial No. 119,874

Term of patent 14 years
(Cl. D48-27)

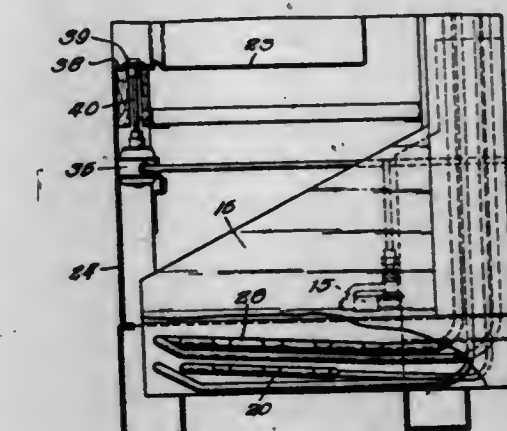


The ornamental design for a cigarette lighter, as shown and described.

22,680

REFRIGERATOR

Joseph N. Roth, Belding, Mich., assignor, by mesne assignments, to Montcalm, Incorporated, Greenville, Mich., a corporation of Michigan
Original No. 2,339,816, dated January 25, 1944, Serial No. 380,343, February 24, 1941, which is a division of Serial No. 314,704, January 19, 1940. Application for reissue January 15, 1945, Serial No. 572,935
12 Claims. (Cl. 62-5)



12. A refrigerator of the character described, including: a cabinet having a food compartment in the upper part thereof with an insulating wall therearound and a machinery compartment having portions beneath and behind said food compartment; an opening in the front of the food compartment; a door adapted to close said opening; refrigerant circulating apparatus; means for controlling the rate of circulation, said means being in a portion of the machinery compartment; and regulating means extending from the control means through said insulating wall and provided with means for manual operation located in the bottom of the food compartment immediately adjacent said front opening and accessible only when the door is open.

PLANT PATENTS

GRANTED OCTOBER 9, 1945

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

660

CHRYSANTHEMUM PLANT

Emil Prushek, Benton Harbor, Mich., assignor to R. M. Kellogg Co., Three Rivers, Mich., a corporation of Michigan

Application November 30, 1944, Serial No. 565,881
1 Claim. (Cl. 47-60)

A new and distinct variety of chrysanthemum plant, characterized as to novelty by the peculiar-

ly notched form of the flower petals, giving to the blooms the appearance of a carnation; the coloring of the flowers during the different development stages; the thrifty, vigorous growth and hardiness of the plant, in combination with its mound shape; and its marked resistance to chrysanthemum leaf spot, substantially as shown and described.

180

PATENTS

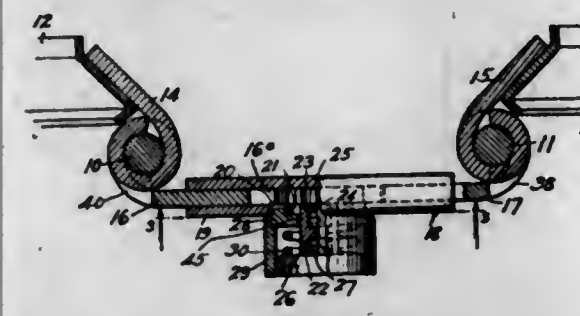
GRANTED OCTOBER 9, 1945

2,386,175

ADJUSTABLE CONNECTING BRIDGE FOR GOGGLE FRAMES

Charles Fischer, New York, N. Y.

Application January 8, 1942, Serial No. 425,950
17 Claims. (Cl. 88-43)



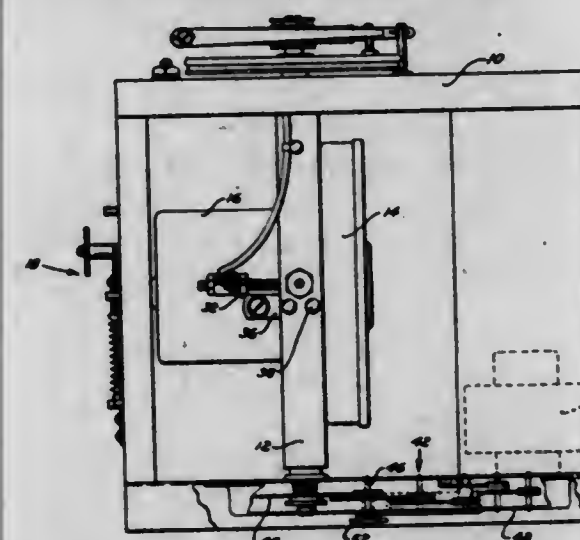
1. In goggles, an adjustable bridge comprising a pair of overlapping bridge members, each of said members having a non-circumferential slot therein, a disc rotatably mounted adjacent the overlapped parts of the members, the slot of one member being on the opposite side of the axis of the disc from the slot in the other member, a first pin on the disc passing loosely through one of the members and into the slot of the other member, and a second pin on the disc on the other side of the axis of the disc from said first pin and shorter than the first pin entering the slot of said one of the members, whereby longitudinal movement of the members in opposite directions simultaneously rotates the disc and rotation of the disc causes simultaneous longitudinal movement of the members in opposite directions.

2,386,176

GYROSCOPIC APPARATUS

Robert J. White, Chicago, Ill., assignor to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware

Application July 19, 1943, Serial No. 495,313
3 Claims. (Cl. 74-5)



1. In a gyroscope erecting apparatus the combination of a gyro case, a gimbal for supporting said case, a reversible motor having direct and reversing field windings, a frictional driving connection between said motor and said gimbal, a first switch, a switch actuator operatively associated with said driving connection to open said first switch promptly upon commencement of rotation of said motor in one direction and to close said first switch promptly upon commencement of rotation of said motor in the opposite direction,

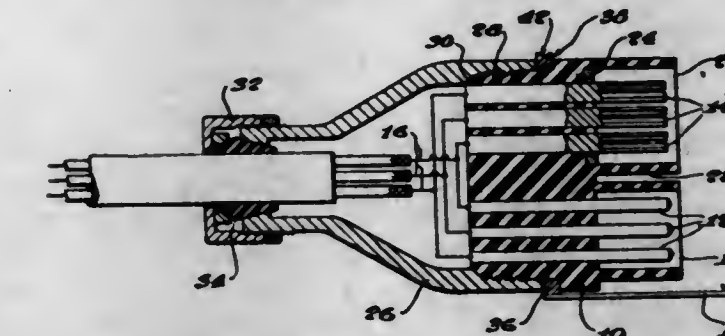
a pair of contact switches successively closed by precession of said gyro case in one direction and successively opened in reverse order upon precession of said gyro in the opposite direction, and parallel circuits capable of energizing said reversing winding, one of said parallel circuits including said first switch and the first closed contact switch in series, and the other of said circuits including said second closed contact switch.

2,386,177

ELECTRICAL CONNECTOR

Johan M. Andersen, Hopkinton, Mass.

Application April 25, 1942, Serial No. 440,503
2 Claims. (Cl. 173-328)



1. A multiple wire electrical cable connecting device comprising: a pair of connectors, each of said connectors including a substantially circular insulating base; a plurality of terminals carried by one base engageable with terminals on the other base, one end of each of said insulating bases being reduced in diameter and threaded, said reduced portions terminating in a shoulder intermediate the ends of said bases; a pair of hollow cylindrical holders, one of said insulating bases being threadably mounted in one end of each of said cylindrical holders; and a rotatable annular ring member disposed between said shoulders and the adjacent end of each of said cylindrical holders, said annular ring members carrying locking means for securing said connectors in assembled relation.

2,386,178

FASTENER FOR BED RAILS AND THE LIKE

Ernest H. Anderson, Jamestown, N. Y.

Application August 20, 1943, Serial No. 499,359
4 Claims. (Cl. 5-299)



1. A structure for securing together the end and rail elements of a bed or the like comprising a supporting member permanently joined to the end element, said member having an inclined transverse slot, the end of said rail element having an undercut area adapted to in part receive said member and provide a shoulder, said shoulder at least in part, supporting the weight of

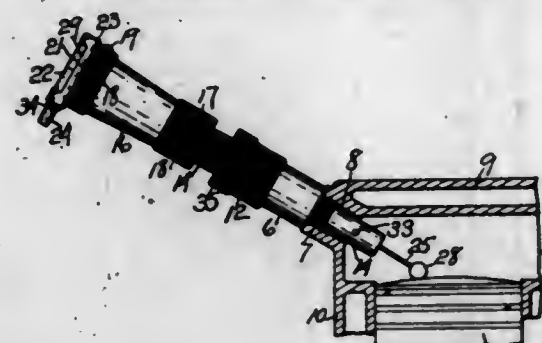
181

said element on said member, means cooperating with said slot to guide the rail element into a position of abutment with the shoulder of said end element, said means also serving to secure the end and rail elements against relative displacement.

2,386,179

POSITIONING INDICATOR FOR ENGINE PISTONS

Foscoe H. Andrus, Windsor, Conn.
Application March 10, 1943, Serial No. 478,691
3 Claims. (Cl. 33-172)

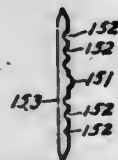


1. A piston positioning indicator comprising a supporting plug adapted for attachment within the spark plug opening in a cylinder, a tubular body mounted in said supporting plug, a thread connection between said tubular body and plug for adjustably placing said tubular body in different fixed positions in said plug relatively thereto lengthwise of said body, a lock nut threaded on the tubular body and engaged with the plug for securing said tubular body in different adjustable positions, an indicating rod extending within said tubular body from the outer to the inner end thereof with its inner end projecting for contact with the end of a piston within said cylinder, a pivotal bearing for said rod within said tubular body, and means at the outer end of the instrument for denoting movement of the indicator rod.

2,386,180

RAZOR BLADE

Zemach Auerbach, New York, N. Y.
Application November 8, 1941, Serial No. 418,339
1 Claim. (Cl. 30-348)



A razor blade having one smooth face and on the other face a ridge along the longitudinal medial line of said blade and a series of longitudinal channels spaced equally distant from the longitudinal medial line of said blade, said channels and said ridge being parallel to one another and formed from the same material as said blade.

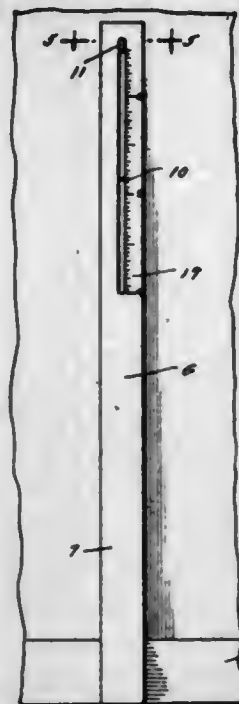
2,386,181

MEASURING DEVICE

Carrol A. Bailey, Woodland, Calif.
Application October 7, 1943, Serial No. 505,381
1 Claim. (Cl. 33-169)

A height measuring device of the character described comprising a shallow vertically elongated box adapted to be fixed to the wall of a room in an elevated position and having relatively broad front and rear flat walls and narrower flat side walls, the thickness of the box from front to rear being substantially the same as that of a baseboard provided around the wall, said front wall having a vertically elongated slot therein and

graduations along one side of the slot, a leg extension depending from the front wall into contact with the floor and against the baseboard, a pulley journaled in the upper portion of the box on an axis extending parallel with the sides of the box, a flexible member trained over said pulley, a vertically elongated member attached to one end of said flexible member and movable



vertically in the box, a horizontal head contacting member fixed to said vertically elongated member and projecting forwardly through and slidable in said slot, and a counter weight attached to the other end of said flexible member and movable vertically in the box at one side of said vertically elongated member, said vertically elongated member and said counter weight substantially contacting the front and rear walls of the box.

2,386,182

ANTIFREEZE COMPOSITION

Frederick R. Balcar, Stamford, Conn., assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc., a corporation of Delaware
No Drawing. Application August 8, 1942, Serial No. 454,195
2 Claims. (Cl. 252-76)

1. A composition for use as an antifreeze in the cooling systems of internal combustion engines consisting essentially of a solution in ethylene glycol of from 0.5% to 5% of a mixture of monoricinoleates of glycerol and glycol substantially free from soap.

2,386,183

ANTIFREEZE COMPOSITION

Frederick R. Balcar, Stamford, Conn., assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 11, 1943, Serial No. 513,955
5 Claims. (Cl. 252-76)

1. A composition for use as an antifreeze in the cooling systems of internal combustion engines consisting essentially of a solution in ethylene glycol of from 0.5% to 5% of ethylene glycol monoricinoleate substantially free from soap.

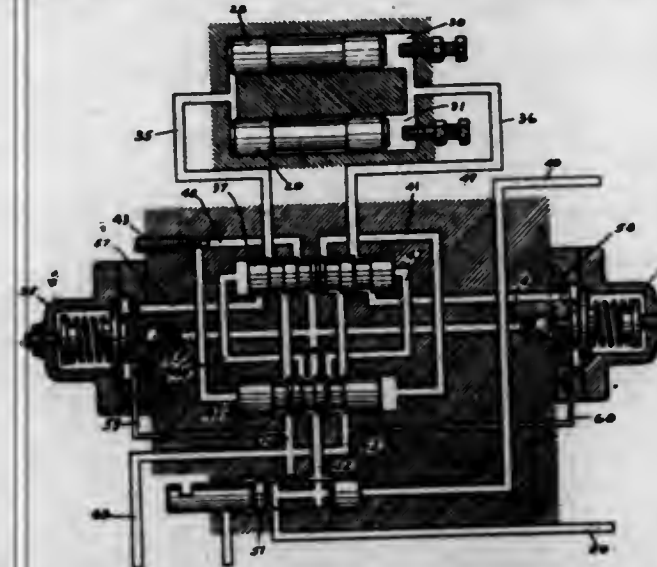
2,386,184

HYDRAULIC CONTROL DEVICE

Harold E. Balsiger, Waynesboro, Pa., and Ralph E. Price, Highfield, Md., assignors to Landis Tool Company, Waynesboro, Pa.
Application November 28, 1940, Serial No. 367,618
4 Claims. (Cl. 121-158)

2. Hydraulic control means for a pressure operated device, including a pressure operated re-

ciprocating valve for directing a supply of fluid under pressure intermittently to said device, means for reciprocating said valve, including a reversing valve for directing fluid alternately to opposite ends of said first mentioned valve, con-

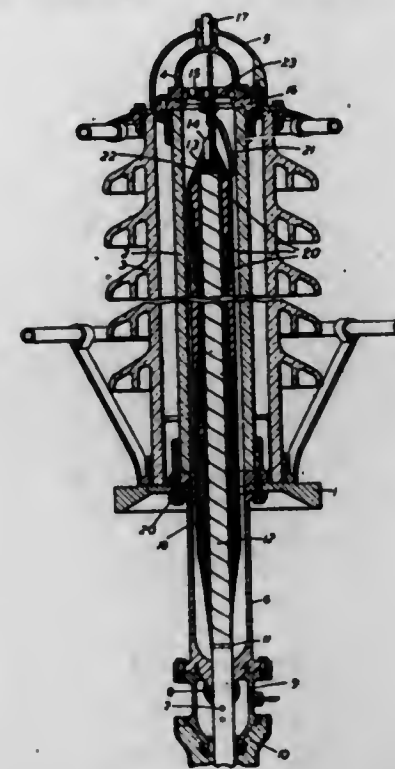


nections between said first mentioned valve and said reversing valve for reciprocating said reversing valve, and means for maintaining one pressure on said device and another pressure for operating said valves.

2,386,185

HIGH VOLTAGE ELECTRIC CABLE TERMINATION AND JOINT

Charles James Beaver, Bowdon, Edward Leslie Davey, Timperley, and John Henderson Pirie, Hale, England, assignors to W. T. Glover & Company Limited, Trafford Park, England, a British company
Application June 26, 1944, Serial No. 542,170
In Great Britain July 12, 1943
4 Claims. (Cl. 174-73)



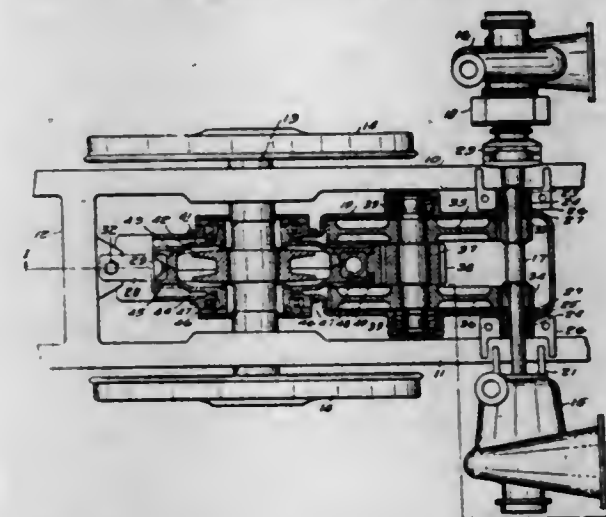
1. A construction suitable for terminations and joints of electric cables, comprising a length of cable on the end part of which the dielectric has been laid bare by removal of the conductive covering, a sleeve of dielectric material fitting over part of the bared end of the cable dielectric and containing co-axial conductive layers, whereby the stress distribution in and near the bared cable dielectric is controlled, a conductive layer at the earth or earthy end of the sleeve being located at or near the outer surface of the sleeve and the dielectric material of the sleeve being extended beyond this layer, tapering off towards the inner surface of the sleeve, a body of dielectric material extending over this tapering part

and a length of bared cable dielectric adjacent to it, said body extending from said conductive layer to the commencement of the conductive covering on the cable dielectric, tapering off to the latter, and a conductive skin applied over the outside of the said body joining electrically the said layer to the said covering.

2,386,186

STEAM-TURBINE LOCOMOTIVE

Frank L. Alben, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 10, 1943, Serial No. 490,312
7 Claims. (Cl. 105-38)

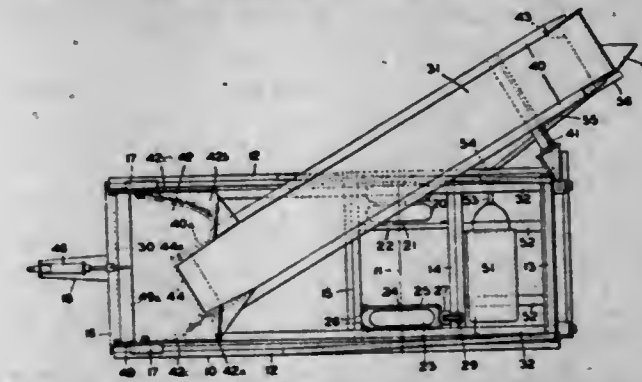


1. In a locomotive drive, the combination with a pair of side frame members disposed in spaced relation and an axle for supporting said frame members, of a forward drive turbine mounted on one frame member, a reverse drive turbine mounted on the other frame member, a shaft directly connected to the forward drive turbine, means for releasably connecting the reverse drive turbine to said shaft, a drive pinion secured to the shaft, a low speed gear surrounding said axle, reduction gears intermeshing with said pinion and said low speed gear, a gear case enclosing said pinion and said gears, said gear case having a trunnion on each side to provide two points of support for one end of the gear case, said shaft extending through said trunnions, and a single point of support for the other end of the gear case, said single point of support being disposed substantially midway between said side frame members.

2,386,187

CONVEYER LOADER WITH DIAGONAL BELT

Raymond Q. Armington, Shaker Heights, Stewart F. Armington, Willoughby, and George E. Armington, South Euclid, Ohio, assignors to The Euclid Road Machinery Company, Euclid, Ohio, a corporation of Ohio
Application September 29, 1941, Serial No. 412,762
10 Claims. (Cl. 37-110)



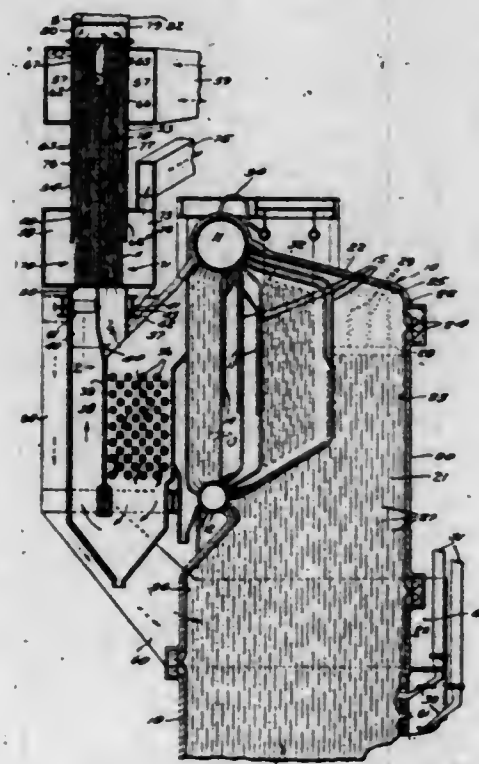
7. Earth handling apparatus comprising a frame, drawbar means at the front end of said frame whereby said apparatus may be pulled along a path, an inclined conveyer diagonally

mounted on said frame at an angle to said path of travel, said conveyer having its lower end near the ground and nearer one side of said frame near the forward end of said frame, said conveyer having its upper end overhanging the other side of said frame near the rear end thereof and high enough to discharge earth into a vehicle alongside said frame, scraper blade means wider than said conveyer located at the forward end of said frame head of said conveyer and adapted to enter the ground, moldboard means adapted to receive earth from said entire blade means and to conduct and direct the same to a zone near the lower end of said conveyer, coaxial wheel means spaced transversely across said frame nearer the center than to either end thereof, said wheel means constituting the sole support for said frame other than said drawbar means, so that said apparatus may be rapidly moved backward and forward like a cart while loading a vehicle drawn alongside under the discharge end of said conveyer.

2,386,188

HEAT EXCHANGE APPARATUS

Nicholas C. Artsay, Valhalla, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application March 4, 1942, Serial No. 433,263
10 Claims. (Cl. 257-220)

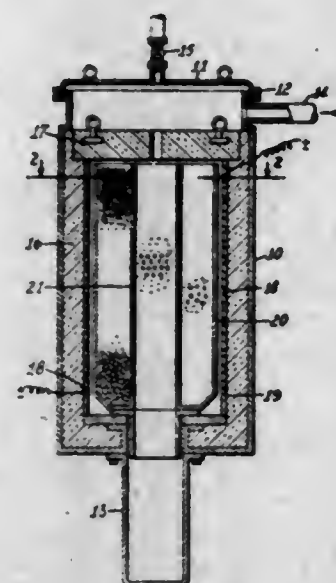


9. Heat exchange apparatus for recovering waste heat from gases comprising an air heating device having a plurality of air heaters through each of which air and gases flow in indirect heat exchange relationship, each air heater having separate air and gas inlets and separate air and gas outlets, a heat absorbing device, means for conducting waste gases to the heat absorbing device for flow thereover, means for conducting gases discharged from said device to at least one but not all of the air heaters, a by-pass conduit in communication with the means conducting waste gases to the heat absorbing device for conducting some of the waste gases to another air heater without flowing over the heat absorbing device, and means for conducting gases discharged from said other air heater to the inlet ends of said at least one air heater, the construction and arrangement being such that gases entering the air heaters are at different temperatures and the air flowing through said heaters is heated to different temperatures, and gases

from the gas outlet of the heater in which air is heated to a higher temperature mixes with the gases which flow through another heater in which the air is heated to a lower temperature.

2,386,189

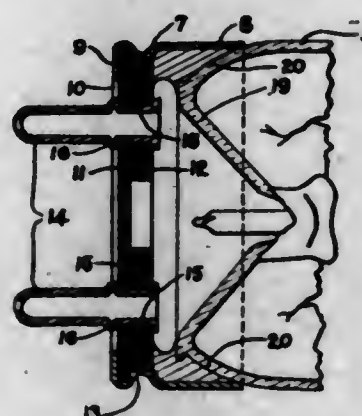
APPARATUS FOR PRODUCING MAGNESIUM
Glen D. Bagley, Lewiston, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia
Application February 11, 1944, Serial No. 521,915
6 Claims. (Cl. 13-8)



1. Furnace apparatus which comprises a pressure-resisting steel shell provided with a removable cover and a removable condenser; a heat-insulating lining within said shell; an inner steel shell within said lining; a hollow core mounted within said inner shell and having its walls spaced apart therefrom; and electrical heating elements arranged in heat-transfer relation to said inner shell; said inner shell and said core defining a charge-confining space; a plurality of partitions in said charge-confining space dividing said space into compartments; said core having apertured walls providing communication between said charge-confining spaces and said condenser.

2,386,190

END CAP FOR GASEOUS DISCHARGE LAMPS
Mazepa Don Betts, Rockport, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application July 10, 1944, Serial No. 544,206
2 Claims. (Cl. 176-32)



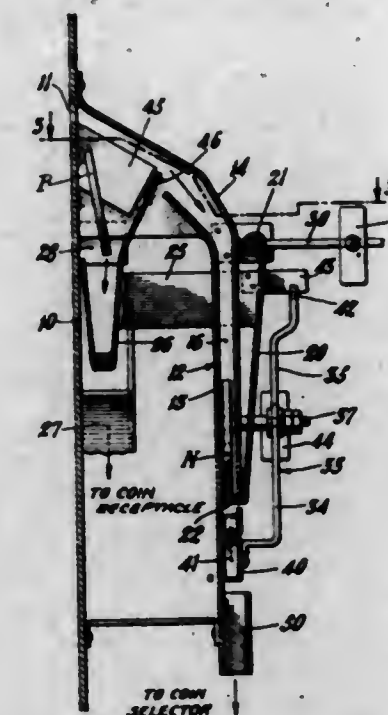
1. An end cap construction for gaseous discharge lamps having a glass envelope, comprising a cup shaped metallic body member extending over the end portion of the envelope, a pair of superposed insulating wafers within the body member, which are rigidly anchored to the end

wall of said body member, a plurality of contact pins projecting through and secured in both of said wafers, one or more recesses in the innermost wafer, a quantity of filler cement between the end portion of said envelope and the flange of said body member, said cement adhering to said envelope and extending into said recesses whereby a firm connection is established between the envelope and the end cap assembly.

2,386,191

CHECK CONTROLLED APPARATUS

Wade W. Bowman, New York, N. Y., assignor to Frostidrink Inc., New York, N. Y., a corporation of New York
Application July 10, 1942, Serial No. 450,358
10 Claims. (Cl. 194-1)



1. A coin control apparatus comprising, in combination, a coin chute, a block having chute blocking and open positions, a coin holder coin-operated to move the block to open chute position, means for moving the block to chute blocking position, a restraining device for preventing such movement of the block, said restraining device being released to permit chute-blocking movement of the block upon passage of a coin in the chute past the block, a coin opening through which coins of different diameters are introduced, and means for directing coin of one diameter to the holder and coin of another diameter to the chute.

2,386,192

TRACTOR HITCH CONTROL

Kirk L. Brimhall, San Gabriel, Calif., assignor to Len O. Bird
Application December 6, 1943, Serial No. 513,193
12 Claims. (Cl. 37-124)



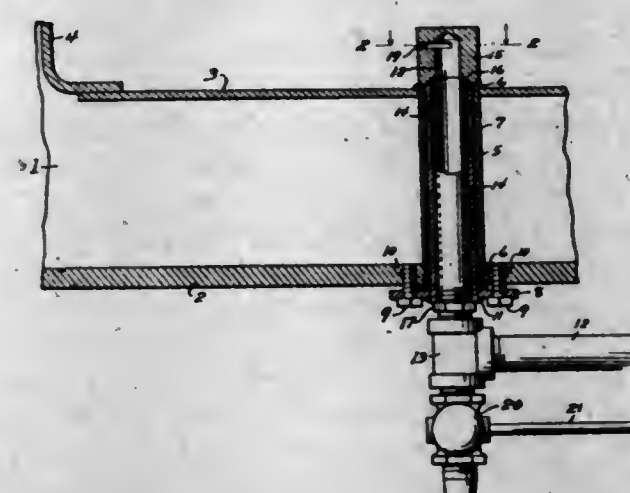
11. In combination with an implement, a tractor having a power operated hoisting hitch connected to the implement and operable for raising and lowering it, said hitch including a draft link, an upright link extending above the draft link and a telescopic link connected between the tractor and the upright link; a power operated ex-

tensible and retractable link pivotally connected with the implement and said telescopic and upright links to form an articulate strut between the tractor and the implement and power means extending said power operated link incident to the raising of said hitch.

2,386,193

CHAMBER CLEANING DEVICE

Armstrong C. Butts, Cumberland, Md., assignor to Superior Railway Products Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 7, 1943, Serial No. 501,468
5 Claims. (Cl. 122-391)

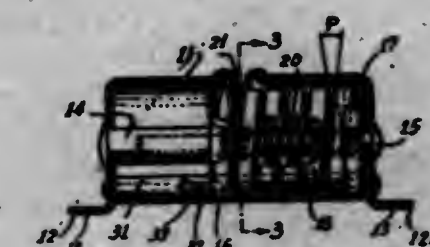


1. In combination with a boiler structure including a water leg having outer and inner walls and a stay tube mounted through the said walls; a sleeve passing through said stay tube, a plate mounted about the outer end of said sleeve, fasteners passing through said plate and screwed into the outer wall of the water leg, a supply pipe, a coupling carried by said pipe, a discharge tube carried by said coupling and extending through said sleeve, a nozzle carried by the inner end of said discharge tube and bearing against inner ends of the sleeve and the stay tube, said nozzle having a bore communicating with said discharge tube and being formed with a transverse slot communication with the bore near the upper end thereof, said slot gradually increasing in width towards its outer end and constituting a discharge mouth for the nozzle, and a nut screwed upon the outer portion of said discharge tube and engaging the outer end of the sleeve to firmly hold the discharge tube in place and form a tight joint between the nozzle and inner ends of the sleeve and the stay tube.

2,386,194

KNIFE SHARPENER

Frank B. Chester, Manhattan Beach, Calif.
Application September 4, 1944, Serial No. 552,605
6 Claims. (Cl. 76-85)

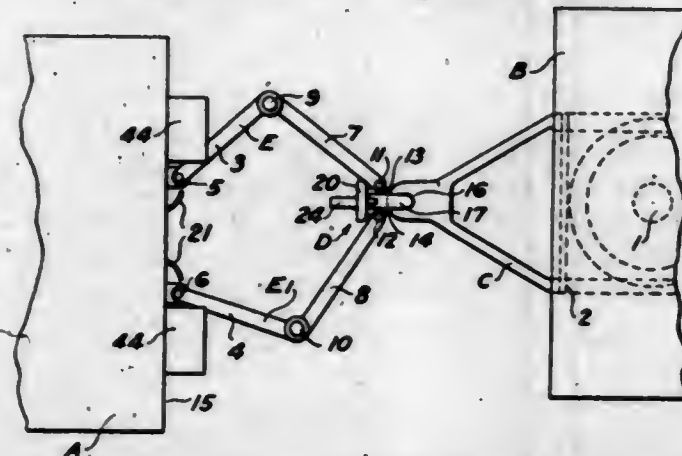


1. A knife sharpener, comprising: a helix formed of material that is preferably harder than the material of the knives to be sharpened; and means for so guiding the knife that it can be moved through the helix in such a manner as to cause the sides of the knife to contact sharpening surfaces of adjacent turns of the helix.

2,386,195

VEHICLE COUPLER

Kenneth C. Clark, Watsonville, Calif.
Application February 12, 1944, Serial No. 522,168
14 Claims. (Cl. 280—33.14)

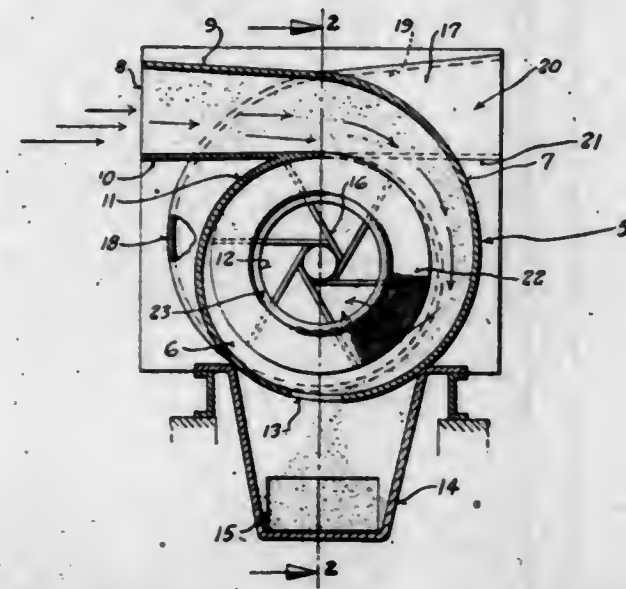


1. The combination with a pulling vehicle and a second vehicle having a pivoted tongue with an eye, of elbow-like arms pivotally carried by the first vehicle, a pintle pivotally carried by the free ends of the arms and receivable in the tongue eye when the tongue is in a position to be within the range of the swing of the arms, said arms swinging the pintle and eye toward the rear center of the first vehicle when the two vehicles are moved relatively toward each other, and means for securing the pintle to the first vehicle after the pintle has been brought into connectible relation with the first vehicle.

2,386,196

APPARATUS FOR SEPARATING FROM A GAS OR LIQUID MEDIUM SOLID OR LIQUID PARTICLES

David Dalin, Kristiansborg, Sweden
Application September 18, 1942, Serial No. 458,906
In Sweden February 21, 1941
3 Claims. (Cl. 183—37)



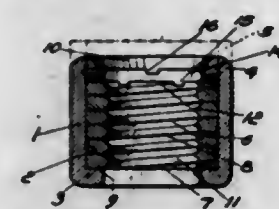
1. A centrifugal separator for unburdening a carrier fluid of particles suspended therein comprising: a diffuser housing of substantially circular formation having substantially flat side walls connected by a substantially circular peripheral wall; means defining a tangential inlet into the diffuser housing; an outlet port in said peripheral wall remote from the inlet through which particles separated from the carrier fluid are expelled; one of the side walls having an outlet opening for the unburdened carrier fluid disposed substantially on the axis of the housing; means for inducing a flow of the carrier fluid through the housing; an inwardly protruding truncated conical baffle encircling the periphery of the outlet opening with the largest diameter thereof adjacent to the side wall in which the

outlet is located and its smallest diameter defining the edge of the outlet opening to deflect particles in suspension in the carrier fluid away from said outlet opening; and an inward conical protrusion on the opposite side wall substantially coaxial with the outlet opening with the largest diameter of the conical protrusion adjacent to said opposite side wall and its apex extending a substantial distance in toward the mouth of the outlet opening whereby said baffle and said inward conical protrusion cooperate to deflect any particles still suspended in the carrier fluid outwardly toward the peripheral wall.

2,386,197

NUT

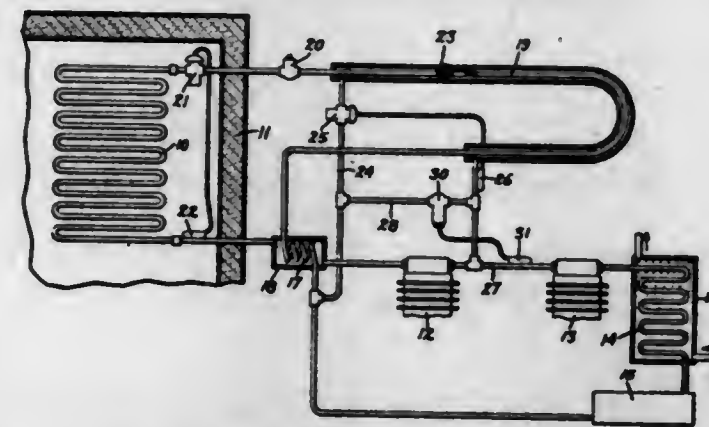
Hector G. Dawson, Glendale, Long Island, N. Y., assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y., a corporation of New York
Application July 8, 1944, Serial No. 544,042
10 Claims. (Cl. 85—32)



1. A composite nut comprising a barrel with cylindrical inner surface and an interiorly projecting bottom flange, a wire coil fitting into said barrel and having a bottom face substantially corresponding to the shape of the top face of said flange, the convolutions of said coil including screw-thread-forming portions, and an anchoring member secured to said barrel on top of said coil and including faces for engagement with the top portion of said coil to transmit torques in both directions of turning from the barrel to the coil with freedom of the lower coil end to deform slightly and accordingly to shift relatively to the barrel flange.

2,386,198

MULTISTAGE REFRIGERATING SYSTEM
Wayne E. Dodson, Caldwell, N. J., assignor to General Electric Company, a corporation of New York
Application February 8, 1944, Serial No. 521,520
2 Claims. (Cl. 62—115)



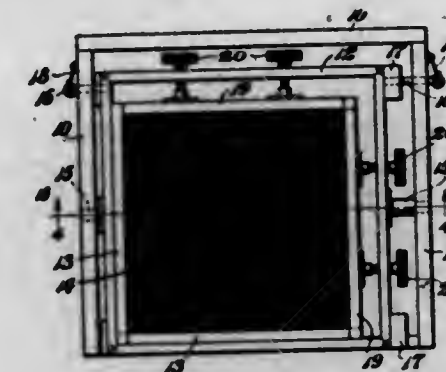
1. A multi-stage refrigerating system comprising high and low pressure compressors, an evaporator and a condenser, an interstage connection for conveying refrigerant from the outlet of said low pressure compressor to the inlet of said high pressure compressor, a liquid line for conducting liquid refrigerant from said condenser to said evaporator, a heat exchanger for subcooling the liquid in a portion of said line, means providing two parallel paths for bleeding refrigerant from said liquid line to said interstage connection,

tion, one of said paths being arranged to supply refrigerant to said heat exchanger and the other of said paths communicating directly with said interstage connection, means for controlling the flow of refrigerant through said first path in accordance with a condition of said subcooler, and means responsive to the temperature of the refrigerant at the inlet of said high pressure compressor for controlling the flow of refrigerant through said second path.

2,386,199

RELIEF MAP BASE

Theodore Weston Dominick, United States Navy
Application July 11, 1944, Serial No. 544,456
5 Claims. (Cl. 35—41)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

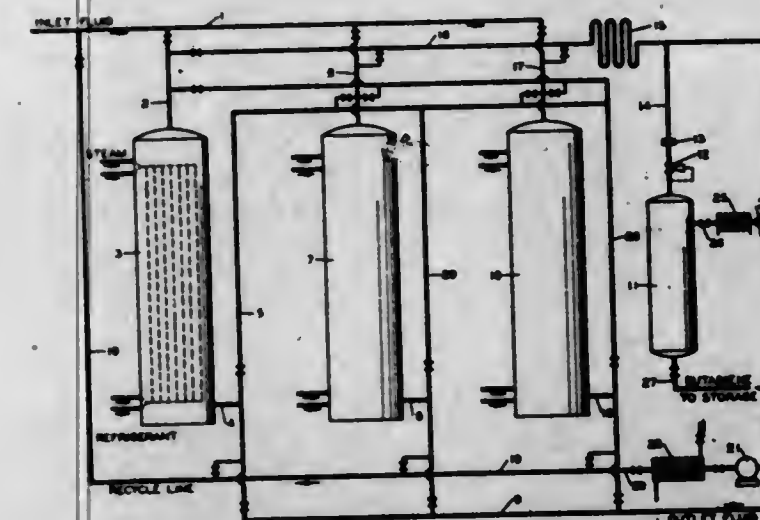


1. A device for forming bases for relief maps, comprising a support, a frame rotatable in the support on an axis normal thereto, a clamping frame mounted in the rotatable frame, a plurality of rods held within the clamping frame, said rods being substantially of equal length with their opposite end surfaces initially forming substantially parallel planes, and compressive members operable upon the clamping frame.

2,386,200

RECOVERY OF DIOLEFINS

Harry E. Drennan, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 19, 1940, Serial No. 353,308
5 Claims. (Cl. 260—681.5)



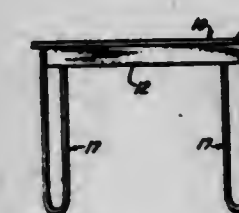
2. In a process for the recovery of butadiene from a hydrocarbon fluid containing the same by contacting said fluid at a temperature of from 40° to 80° F. with a bed of solid reagent comprising cuprous chloride to cause said butadiene to selectively combine with said cuprous chloride to form a butadiene-cuprous chloride addition compound and subsequently in a separate step recovering said butadiene in substantially pure form from said addition compound by heating said addition compound to an ele-

vated temperature of from 120° to 210° F. to thereby effect desorption of said butadiene from said compound, the improvement which comprises passing a stream of substantially pure butadiene at a temperature below those causing decomposition of said addition compound through said reagent bed after said contacting step and thereby purging hydrocarbons other than butadiene from said bed and then effecting said heating and thereby said desorption by passing through said bed a heated substantially pure stream of butadiene which has been heated to a temperature which ranges from 120° to 210° F. and at which said desorption is conducted.

2,386,201

FURNITURE LEG MOUNTING

J Allen Ferguson, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 1, 1940, Serial No. 327,140
2 Claims. (Cl. 311—113)



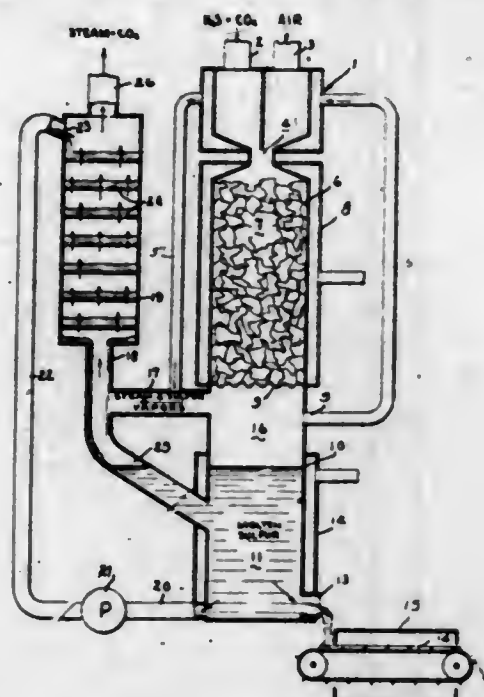
1. A knock-down table or the like, comprising a table top, a pair of angularly related apron members depending from said top and having adjacent spaced ends, a cross piece spaced from said ends and bridging said members and having an opening closed at the bottom thereof and aligned with the space between said ends, an elongated integral leg formed of a single weldless piece of metal tubing bent into an elongated U and disposed below said top with its bight rounded and lowermost and having upstanding resiliently relatively movable outer and inner branches between which said ends and cross piece are disposed, the outer wall of said outer branch being imperforate, said outer branch adjacent its upper end having in the inner wall thereof a keyhole extending longitudinally of said branch with the enlarged portion of said hole lowermost, the restricted portion of said hole being elongated, the inner branch having elongated holes through the opposite walls thereof aligned with said keyhole, and a bolt whose head is passable transversely through said enlarged portion but only whose shank is passable through said restricted portion, said head being disposed in the outer branch inwardly of said restriction, said shank extending through said openings in said branches and cross piece and having a free end inwardly beyond said inner branch, and a nut threaded on the free end of said shank and clamping said cross piece and members between said branches, said head being shielded from the outside by said outer branch, said head being passable through the space between said ends of said angularly related members, and said opening in said cross piece being substantially larger in cross-section than said shank to afford clearance for angular movement of said shank to enable said leg to be attached and detached, all of said holes being closed at the top by the material of said tubing whereby said leg cannot become detached if said bolt becomes loose, sufficient space being afforded on opposite sides of said cross piece to enable said bolt and nut to be readily manipulated for attachment and detachment and adjustment of said leg.

2,386,202

METHOD FOR EXTRACTION OF SULPHUR FROM GASES

Willis C. Fernellus and James P. McReynolds, Columbus, Ohio, assignors to Southern Acid & Sulphur Company, Inc., St. Louis, Mo., a corporation of Virginia

Application December 1, 1941, Serial No. 421,162
5 Claims. (Cl. 23—225)



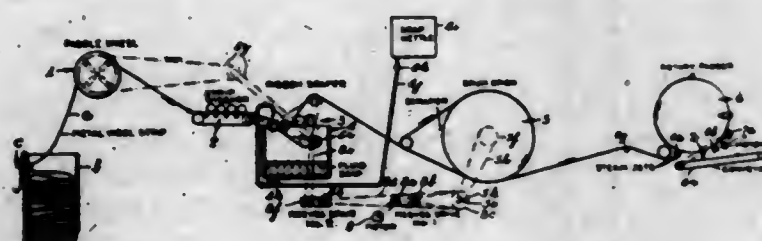
1. A continuous process for extraction of sulphur from gases comprising the steps of passing a mixture of hydrogen-sulphide and oxygen-containing gas through a reaction chamber and into contact with a mass of non-catalytic heat resistant ceramic bodies to cause a thorough mixing of the gases while the bodies are maintained at a temperature of between 445° and 1000° C., cooling a portion of the reaction gases after they leave the reaction chamber to a temperature between 115° and 165° C., collecting all of the molten sulphur obtained from that portion of reaction gases cooled to the last mentioned range of temperature into a receptacle, leading the overrun gases from the reaction chamber to a scrubbing unit, causing the molten sulphur collected in the receptacle to flow in a countercurrent direction to the stream of overrun gases in said scrubbing unit and collecting all of the molten sulphur from said scrubbing unit.

2,386,203

APPARATUS FOR COATING A FIBROUS STRIP

Crosby Field, Brooklyn, N. Y., assignor to Brillo Manufacturing Company, Inc., a corporation of New York

Application August 2, 1940, Serial No. 349,731, which is a division of application Serial No. 280,532, June 22, 1939. Divided and this application September 19, 1941, Serial No. 411,483
7 Claims. (Cl. 91—17)



1. In apparatus for coating a ribbon of metal wool, the combination of, a first roll assembly, and a second roll assembly, said roll assemblies being spaced along the ribbon to provide a ten-

sioned length of the ribbon therebetween with each of said roll assemblies being tightly contacted by the ribbon to provide a positive frictional engagement without slipping there being a driving relationship which controls the movement of the ribbon through each assembly, means to supply liquid to the ribbon whereby the outer layer of the tensioned portion of the ribbon is thoroughly wetted, the rolls of one of said roll assemblies having a fixed pass therebetween through which the ribbon passes to be squeezed thereby with the result that the wetting of the ribbon is facilitated, the rolls of the other of said roll assemblies being spring-urged toward each other and having a variable pass therebetween through which the ribbon passes with the result that a substantially constant pressure is exerted on the ribbon to squeeze excess liquid therefrom, and stop means to limit the minimum thickness of said variable pass.

2,386,204

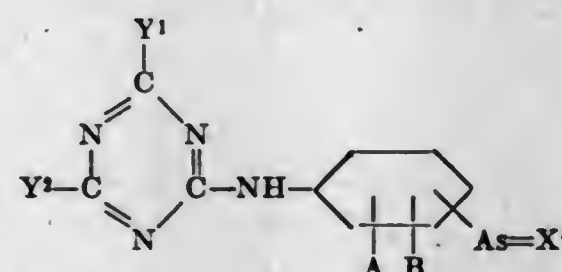
SUBSTITUTED 1,3,5-TRIAZINYL-(6)-AMINO-PHENYL-ARSENIC COMPOUNDS

Ernst A. H. Friedheim, New York, N. Y.

No Drawing. Application December 9, 1941, Serial No. 422,234. In Switzerland December 10, 1940

10 Claims. (Cl. 260—242)

1. 1,3,5-triazine derivative of the formula



wherein at least one of Y¹ and Y² is an amino-radical, while the other is selected from the group consisting of halogen radicals and amino-radicals; A and B are selected from the group consisting of hydrogen, halogen, —OH, —O-alkyl, —O-acyl and alkyl radicals, and X' is a divalent radical selected from the group consisting of O, S, and dihalides.

2,386,205

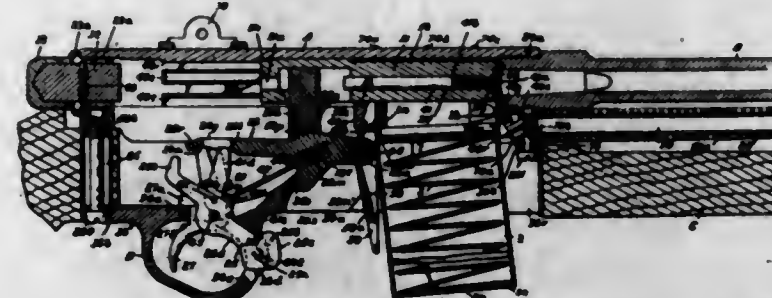
FIREARM

John C. Garand, Springfield, Mass.

Application January 8, 1942, Serial No. 426,036

35 Claims. (Cl. 42—3)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a firearm, an operating rod, a cylinder, means for fastening the cylinder to the operating rod, a piston telescoped within the cylinder, a barrel, a bracket surrounding the barrel and piston, a member inserted in the bracket for securing the barrel to the piston, and an extension on the bracket surrounding a portion of and forming a guide for the operating rod.

2,386,206

MINERAL OIL COMPOSITION

John J. Giammaria and Orland M. Reiff, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

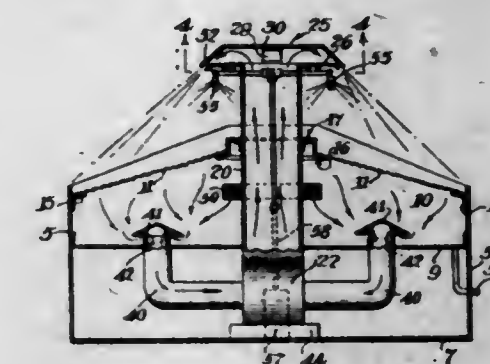
No Drawing. Application May 27, 1943,

Serial No. 488,742

15 Claims. (Cl. 252—32.7)

1. An improved mineral oil composition comprising a mineral oil fraction having in admixture therewith a minor proportion, sufficient to stabilize said oil fraction against oxidation, of a compound characterized by the presence of an aromatic nucleus containing at least one oil-solubilizing alkyl group, a thiophosphate ester group (—OPOS), and a group selected from the group consisting of a thiolic acid group and a metal thiolate group (—COSX) wherein X is selected from the group consisting of hydrogen and at least one metal equivalent, said compound being obtained by the reaction of substantially two mols of a compound selected from the group consisting of an alkyl-substituted hydroxyaromatic carboxylic acid and an alkyl-substituted hydroxyaromatic metal carboxylate, the alkyl substituent being at least one oil-solubilizing alkyl group, and one mol of phosphorus pentasulfide.

hood, a restricted air outlet passageway along the periphery of the hood, said passageway being disposed in a plane defined by a straight line extending between the outer periphery of the passageway and the outer periphery of the said topmost wall whereby to direct a stream of air di-



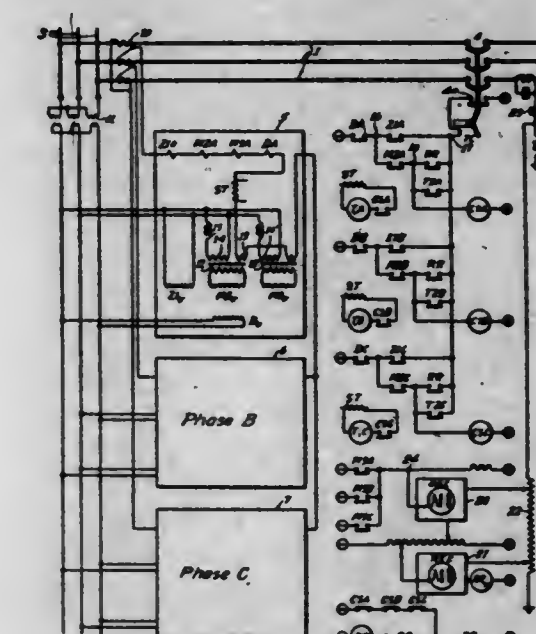
rectly towards the last-named periphery, and spray means adjacent but removed from the direct path of the air stream whereby spray created thereby will be induced into the air stream and be thereby deposited upon produce supported on the topmost wall.

2,386,209

MODIFIED-IMPEDANCE CARRIER RELAY

Shirley L. Goldsborough, Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 8, 1943, Serial No. 513,356
10 Claims. (Cl. 175—294)



1. Terminal protective equipment for protecting a terminal of an alternating-current line-section, comprising the combination, with a line-segregating circuit-interrupting means at that terminal of the line-section, of line-segregating control-means for effecting a line-segregating operation of said circuit-interrupting means, and line-fault-responsive relaying-means for responding selectively to a range of line-impedances in the vicinity of the area of the line-fault impedances, said relaying-means being including in the control of said line-segregating control-means, and said relaying-means being characterized by including a plurality of line-fault-responsive elements having overlapping, finite-radius, response-circles when plotted on an impedance diagram representing line-reactance plotted against line-resistance, said overlapping circles jointly bounding a limited response-area which is elongated in the direction of the furthest line-fault impedance.

2,386,208

PRODUCE DISPLAY FIXTURE

Charles K. Godfrey, Los Angeles, Calif.

Application June 22, 1942, Serial No. 447,938

3 Claims. (Cl. 261—115)

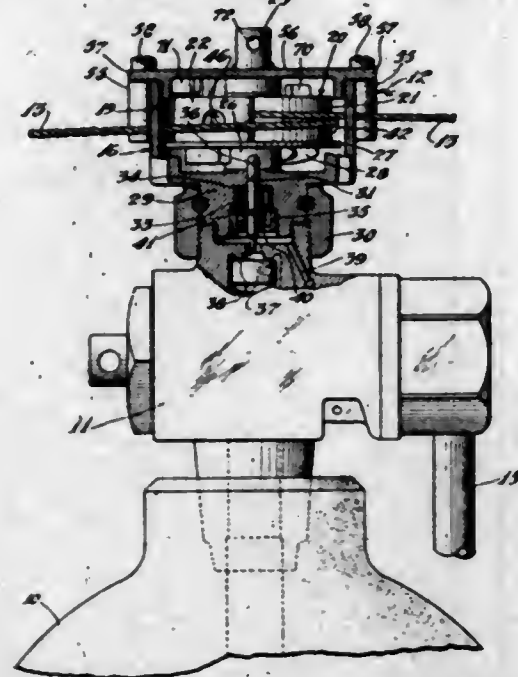
3. A produce display stand of the class described comprising, in combination, walls defining a box-like structure providing a chamber, the topmost of said walls having air-passing openings therethrough communicating with the chamber and being adapted to support produce thereon, a hollow hood supported in position spaced above the topmost wall, a blower having its inlet communicating with said chamber and its outlet communicating with the interior of the

579 O. G.—13

2,386,210

CONTROL HEAD

Harry C. Grant, Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application May 30, 1942, Serial No. 445,202
13 Claims. (Cl. 74-56)

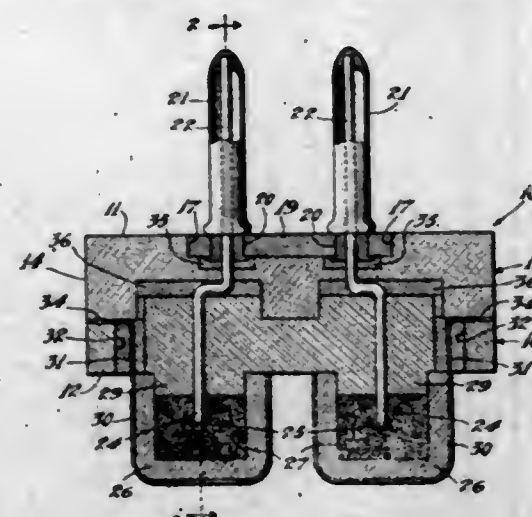


1. In a device of the class described, a removable sheave assembly adapted to be rotated by a pull cable, comprising a shaft, an operating member formed with an uneven side and about which a cable is adapted to be wrapped, said operating member being mounted on said shaft, a cable clamping member removably secured to said uneven side of said operating member having an uneven side adapted to substantially match said first named uneven side, and members for removably securing said clamping member to seat main operating member whereby the cable is adapted to be securely held in clamping relation between said two members.

2,386,211

ELECTRICALLY ACTUATED CARTRIDGE

Harry C. Grant, Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application June 20, 1942, Serial No. 447,772
8 Claims. (Cl. 102-46)



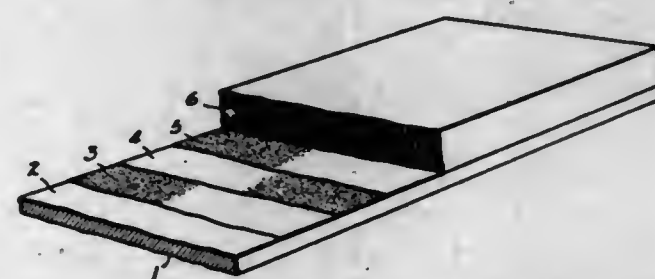
1. A cartridge comprising a body having a pair of end walls and a non-circular side wall, a pair of cup-shaped members secured to one of the end walls of said body, each of said members having a chamber for containing an explosive charge, electrical charge igniting means for each of said chambers, and a pair of plugs for each of said charge igniting means for connecting said means to a common source of electrical energy, said plugs extending from the other end wall of said body.

7. A cartridge comprising a pair of superimposed body members secured to each other, a cup-shaped charge containing member projecting from one side of one of said body members, a reinforcing sleeve extending about said charge containing member and having an outwardly extending portion at one end thereof embedded between said body members for securing said charge containing member to said body members, and electrical charge igniting means in said charge containing member.

2,386,212

COMPOSITE ARTICLE AND METHOD OF BONDING RUBBER TO A CORRODIBLE MATERIAL

Thomas Raymond Griffith, Ottawa, Ontario, Canada, assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada, a corporation of the Dominion of Canada
Application January 3, 1940, Serial No. 312,301
9 Claims. (Cl. 154-2)



1. In a process for producing composite articles of rubber and metal, wherein a rubber compound is firmly adhered to a metal which under vulcanizing conditions is easily attacked by ingredients of the rubber compound, the steps which comprise forming a film containing flaky material by applying to the surface of the metal an organic adhesive solution containing a rubber conversion product and having a flaky, inorganic solid material therein, which flaky solid material remains chemically and physically inactive at vulcanizing temperatures, disposing a curable compounded rubber in contact with the rubber conversion product film and curing the rubber of said compound whereby it strongly adheres to said metal, said conversion product having the carbon to hydrogen ratio of rubber and being a rubber conversion product prepared by mixing a suitable rubber conversion reagent with rubber, sheeting the mixture into thin sheets of less than about 5 mm. thickness, heating the sheets to secure a reaction product and solubilizing the product, the amounts of harmful ingredients in said film being insufficient to harmfully attack the metal and said solid being of a type which is insoluble in said layer.

2,386,213

ADHESIVES AND METHOD OF MAKING SAME

Thomas Raymond Griffith, Ottawa, Ontario, Canada, assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada, a corporation of Canada

No Drawing. Application August 23, 1940, Serial No. 353,914
15 Claims. (Cl. 260-734)

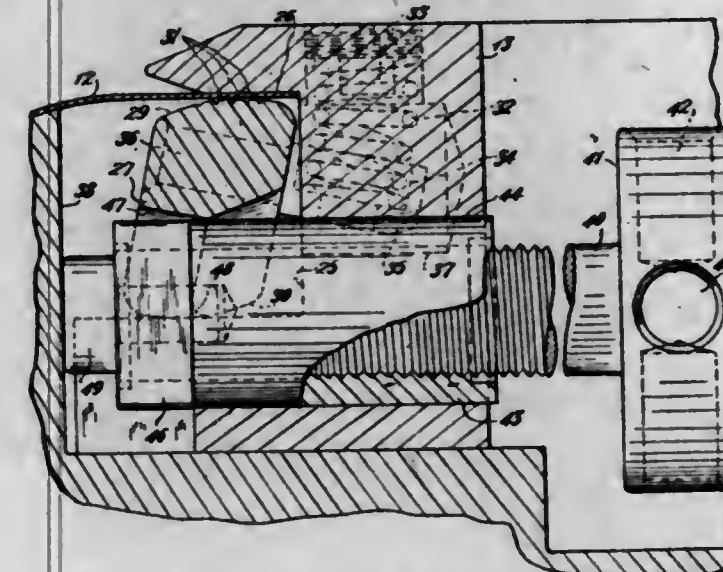
1. In a method of producing adhesives of a type having desirable properties for bonding rubber to metal, the steps which comprise forming a solution of cyclized rubber derivative having the same carbon to hydrogen ratio as the rubber

from which it was derived and having less chemical unsaturation than the rubber and any incompletely saturated rubber addition products of the same percentage composition as said derivative, and incorporating 5% to 50% of sulphur based on said derivative throughout said dissolved derivative, said derivative being the heat reaction product of a mixture of rubber and an agent capable of cyclizing rubber, the greater portion of said sulphur being distributed through said derivative after said derivative was dissolved.

2,386,214

PLATE CLAMP

Charles W. Harrold, University Heights, and Earl W. Curtis, Maple Heights, Ohio, assignors to Harris-Seybold Potter Company, Cleveland, Ohio, a corporation of Delaware
Application October 9, 1942, Serial No. 461,414
16 Claims. (Cl. 101-415.1)

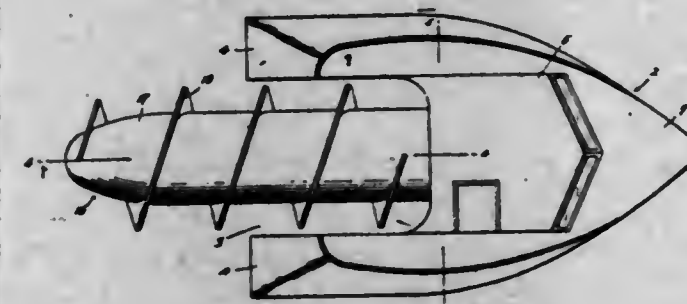


1. In a plate clamp for use with a cylinder having a gap therein and having means for securing one end of the plate, an elongated housing adapted to be mounted in the gap, said housing having a longitudinal groove therein for reception of the opposite end of said plate, a bar in said groove adapted when rocked transversely to be wedged between one wall of the groove and said plate backed by the other wall of the groove, and interengaging means between the housing and the bar on the side of the groove remote from its plate engaging wall for providing an abutment against which the bar may bear when it is rocked in a direction to increase plate holding pressure.

2,386,215

BOAT

Harold B. Harvey, Pensacola, Fla.
Application May 19, 1944, Serial No. 536,362
1 Claim. (Cl. 115-19)



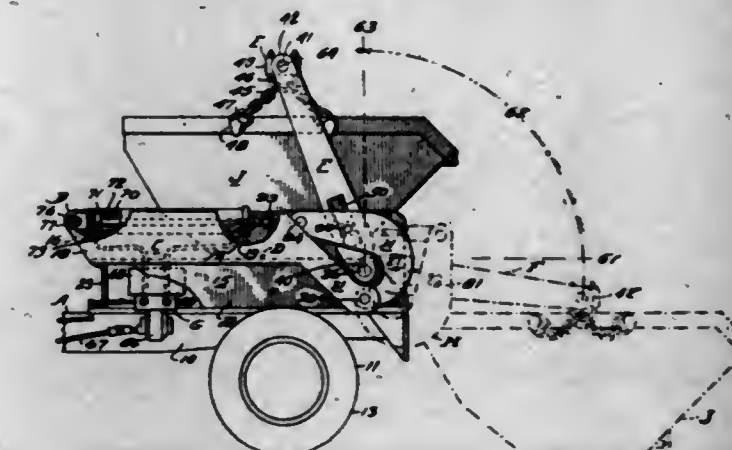
A boat comprising a hull having a recess extending longitudinally thereinto from the rear end thereof and providing a pair of spaced, parallel, rearwardly extending stabilizers, a cabin in the hull forwardly of the recess, a transom extending between the stabilizers and constituting the rear wall of the cabin, an elongated, station-

ary inner shell fixed on the transom and communicating with the cabin, said inner shell extending rearwardly in the recess between the stabilizers, a power plant in the inner shell, an outer shell rotatable on the inner shell, a spiral blade on said outer shell, and means operatively connecting the power plant to the outer shell for propelling the boat.

2,386,216

LOADING, HAULING, AND UNLOADING EQUIPMENT

John J. Hay, Knoxville, Tenn., assignor to Brooks Equipment and Mfg. Co., Knoxville, Tenn., a corporation of Tennessee
Application December 31, 1943, Serial No. 516,439
11 Claims. (Cl. 214-77)



1. In apparatus for loading, hauling and unloading of materials, the combination of a truck provided with a truck body including a load supporting platform, a hoist carried by the truck for lifting a load from a position outside the truck body below the plane of said platform to a position upon the platform, and vice versa, said hoist including a lift arm pivotally carried by the truck adjacent said platform, movable in a vertical plane and having an arc of movement between a first position with its free end portion to the rear of the truck near the plane of said platform, and a second position with its free end portion remote from and above the plane of said platform, a motor carried by the truck, and motion transmitting means operatively connecting said motor and lift arm for swinging said arm through said arc of movement with increasing speed ratio between the arm and motor as the former moves from said first position to said second position.

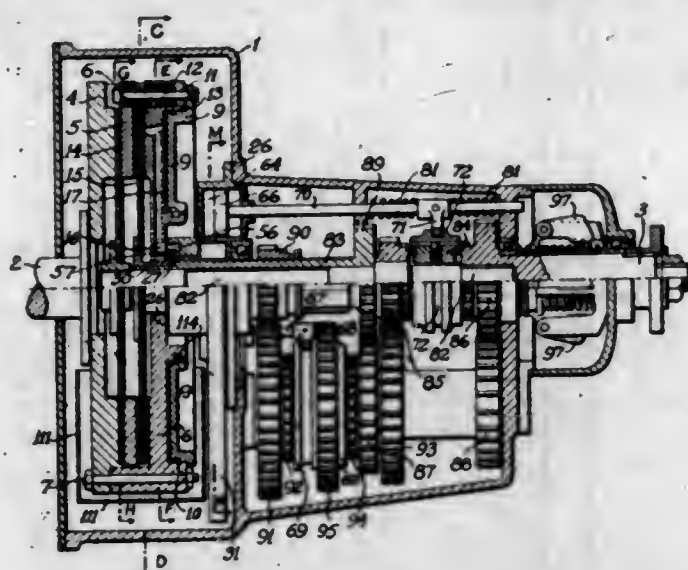
2,386,217

AUTOMATIC VARIABLE SPEED TRANSMISSION

Adolphe Kégresse, Paris, France; vested in the Alien Property Custodian
Application July 10, 1940, Serial No. 344,826
In France July 28, 1939
10 Claims. (Cl. 74-330)

1. An automatic transmission for automotive vehicles comprising an engine shaft, a change speed device having two drive shafts, a friction clutch device for selectively coupling one of the drive shafts to the engine shaft, a driven shaft, a plurality of constant mesh gear wheels in said change speed device, dog clutches for transmitting power through said shafts and gear wheels, hydraulic means for selectively actuating the dog clutches resilient means for actuating the clutch to couple one of said drive shafts to the engine shaft, hydraulic means for actuating the friction clutch device counteracting said resilient means, to couple the other of said drive shafts to the en-

gine shaft, both of said hydraulic means being actuated by fluid under pressure which passes from the former hydraulic means to the latter

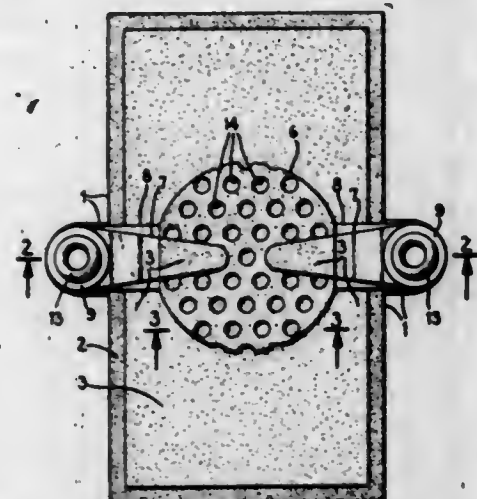


hydraulic means, so that the operation of the hydraulic friction clutch actuating means is delayed until after operation of the hydraulic dog clutch actuating means.

3,386,218

RECTIFIER ELECTRODE CONNECTION ASSEMBLY

Chester A. Kotterman, Livingston, N. J., assignor to Federal Telephone & Radio Corporation, a corporation of Delaware
Application October 17, 1942, Serial No. 462,380
18 Claims. (Cl. 175-366)



1. A rectifier of the rectifying junctions layer type, including a metallic front electrode and a metallic connection element having a portion thereof embedded in said electrode and a portion thereof extending from said electrode, said electrode and said connection element both being formed as relatively thin and substantially flat plates.

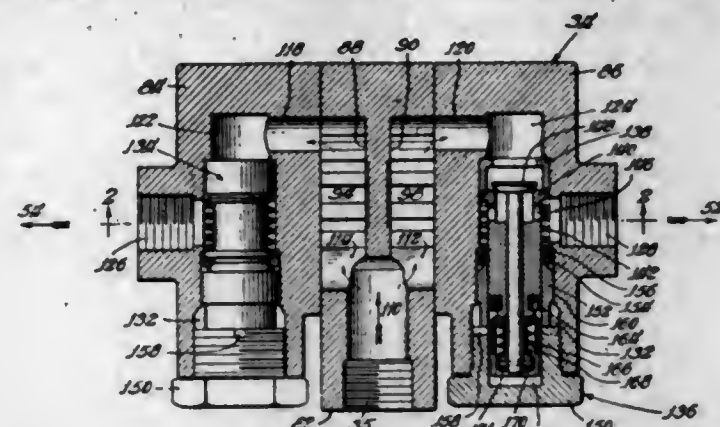
2,386,219

MULTIPLE UNIT COMPACT GEAR DIVIDER ASSEMBLY

John A. Lauck, South Euclid, Ohio, assignor to Pesco Products Co., Cleveland, Ohio, a corporation of Ohio
Application April 15, 1943, Serial No. 483,119
9 Claims. (Cl. 103-11)

1. In a device of the class described, the combination of a housing, a fluid inlet connection for said housing, divider means dividing said housing into two separate compartments, fluid moving gear means in each compartment, fluid connections between each said gear means and said inlet, equalizer valve means for each gear means, fluid connections from said equalizer valve means to said gear means, and a fluid connection

from the equalizer valve of one gear means to the equalizer valve of the other gear means, and

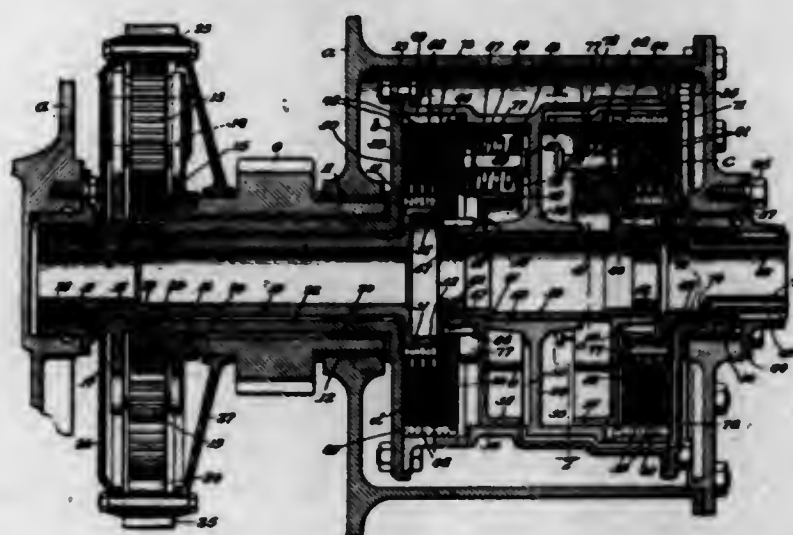


separate discharge outlet means for each gear means, the entire construction being located within said housing means and being compact.

2,386,220

TWO-SPEED DRIVING MECHANISM

John A. Lawler, Los Angeles, Calif., and Samuel K. Hoffman, Williamsport, Pa., assignors to The Aviation Corporation, New York, N. Y., a corporation of Delaware
Application February 7, 1944, Serial No. 521,358
17 Claims. (Cl. 74-290)



16. The combination with a two-speed transmission which comprises planetary gearing, a drum secured to the sun-gear, a plate-type clutch at one end of the drum for driving the drum from the sun gear, and a plate-type brake in the other end of the drum for locking the drum against rotation, of a central cross-wall in the drum, main cylinders in the drum at opposite sides of the cross-wall, respectively, main pistons slidable in said cylinders, respectively, a shaft extending through the cross-wall and connecting the main pistons for conjoint endwise movement, means for conducting fluid under pressure into the main cylinders, auxiliary cylinders in each of the pistons, auxiliary pistons in the auxiliary cylinders, and means for conducting fluid under pressure from the main cylinders into the auxiliary cylinders for forcing the auxiliary pistons in each main piston, respectively, into pressure-engagement.

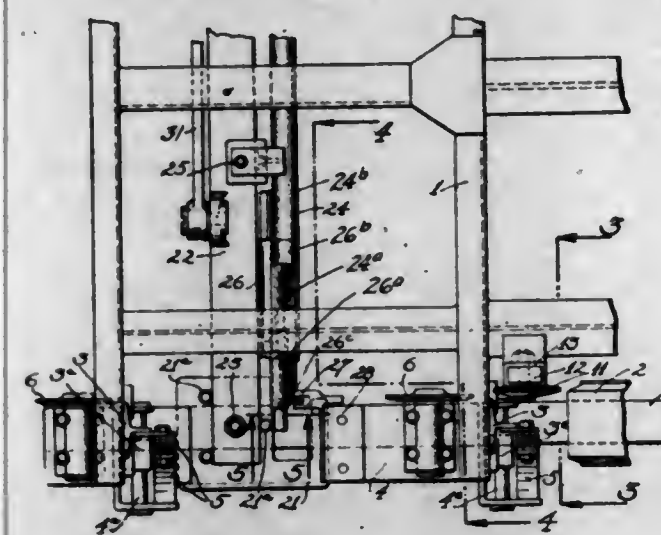
2,386,221

ROAD EDGER FOR ASPHALT FINISHERS AND SPREADERS

William Hurst Lewis, Los Angeles, Calif.
Application September 16, 1940, Serial No. 356,901
16 Claims. (Cl. 94-45)

1. In a machine of the class described, capable of being used with road form boards, a frame, skids on the frame, said skids being capable of sliding on the form boards, grader plate means transversely reciprocated with respect to the form boards and horizontally slidably supported

on the skids, and grader plate members connected to and extending laterally with respect to the



skids, the grader plate members being carried by and connected with the ends of the grader plate means.

2,386,222

LUBRICANT

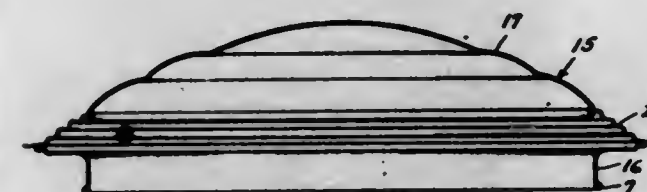
Bert H. Lincoln, Ponca City, Okla., and Gordon D. Byrkit, Niagara Falls, N. Y., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
No Drawing. Application February 1, 1943, Serial No. 474,340
1 Claim. (Cl. 252-48)

A lubricant comprising in combination a major proportion of oil of lubricating viscosity and a minor proportion of the reaction product of a phosphorous polysulphide and tri-isobutylene, said reaction product having a negative A. S. T. M. copper strip test when run for at least 30 minutes at 210° F.

2,386,223

METHOD OF MAKING WHEEL COVERS

George Albert Lyon, Allenhurst, N. J.
Application May 7, 1941, Serial No. 392,222
3 Claims. (Cl. 113-116)

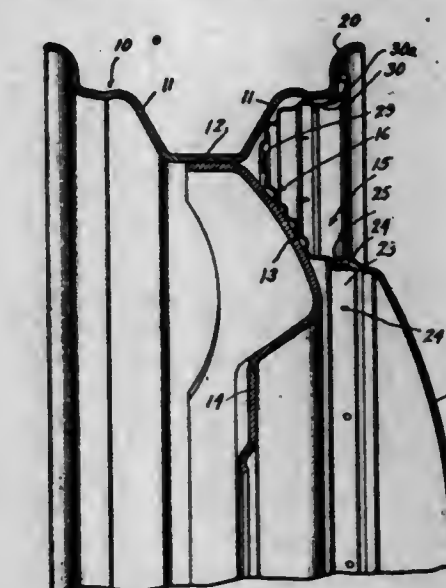


1. The method of making a three-piece wheel cover including a central circular part, an intermediate annular part and an annular snap-on flange from sheet material which comprises drawing a blank into a circular dome-shaped hollow shell having a laterally turned outer marginal flange, cutting a ring part of substantially L-shaped cross section from said shell in which part said lateral marginal portion comprises one leg and a portion of the dome comprises the other leg, reversing the position of the remaining dome portion with respect to said ring part, positioning an intermediate annular band in alignment with and following generally the curvature of said dome portion, securing the inner peripheral margin of said band to the outer peripheral margin of said dome, and positioning the outer margin of said lateral marginal flange of the ring part adjacent the outer margin of said band and securing it thereto with the other leg of said ring part extending rearwardly.

2,386,224

WHEEL STRUCTURE

George Albert Lyon, Allenhurst, N. J.
Original application November 25, 1940, Serial No. 366,972, now Patent No. 2,326,788, dated August 17, 1943. Divided and this application July 2, 1942, Serial No. 449,399
8 Claims. (Cl. 301-37)

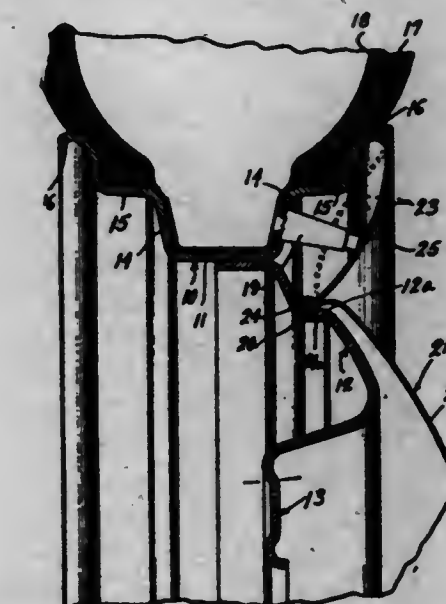


1. In a wheel structure including a flanged and shouldered tire rim, the shoulder in said rim being in an axial flange of the rim and comprising a radially depressed annular section defining on one side of the rim a seat for a tire bead and on the other side a cover retaining shoulder, a wheel cover cooperable with said shoulder of said rim comprising a circular member provided with a ring like portion having a continuous annular rib projecting substantially radially inwardly therefrom, and a plurality of spaced bumps projecting radially therefrom for contacting the rim shoulders, said bumps being disposed axially inwardly from said rib, and in the vicinity thereof whereby the area of said cover containing said bumps is rigidified.

2,386,225

WHEEL CONSTRUCTION

George Albert Lyon, Allenhurst, N. J.
Application February 4, 1943, Serial No. 474,647
3 Claims. (Cl. 301-37)

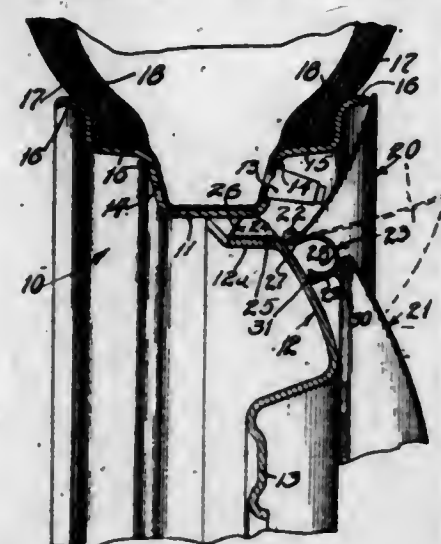


1. As an article of manufacture a wheel cover member including a ring portion and a central cover portion, said ring portion having an enlarged inner edge, said central portion having its peripheral marginal portion interengaged with said enlarged edge of the ring portion to provide a unitary assembly, said ring portion being constructed and arranged to be locally, manually deflectable to provide access between said ring and a wheel when said unitary structure is mounted on an outer part of the wheel.

2,386,226

WHEEL CONSTRUCTION

George Albert Lyon, Allenhurst, N. J.
Application February 25, 1943, Serial No. 477,000
5 Claims. (Cl. 301-37)

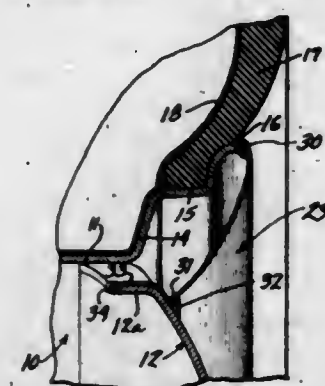


1. In a wheel structure, an annular retainer member secured to the wheel and including a concealed, axially inwardly disposed set of resilient wheel engaging members and a substantially axially outwardly extending, bodily flexible retaining portion formed to support a cover assembly in disposition over the outer side of the wheel and over said resilient wheel engaging members.

2,386,227

WHEEL CONSTRUCTION

George Albert Lyon, Allenhurst, N. J.
Application March 22, 1943, Serial No. 479,979
1 Claim. (Cl. 41-10)



In a cover structure for a wheel having a flanged tire receiving rim part and a body part, said parts being provided with spaced openings between them, a wheel cover for substantially covering exposed outer side flanges of the rim part so as to appear in use to be a continuation of the tire side wall, said cover being made of form-sustaining, yieldable material and having an outer edge in nested relation with an outer edge of the rim part and retaining means for said cover including an annular member having a portion extending axially rearwardly into a wheel opening and hooked over an edge of one of said wheel parts, said annular member overlying the outer face of the body part and being formed with an out-turned flange defining a groove and said cover having an inner marginal edge detachably supported in said groove behind the flange.

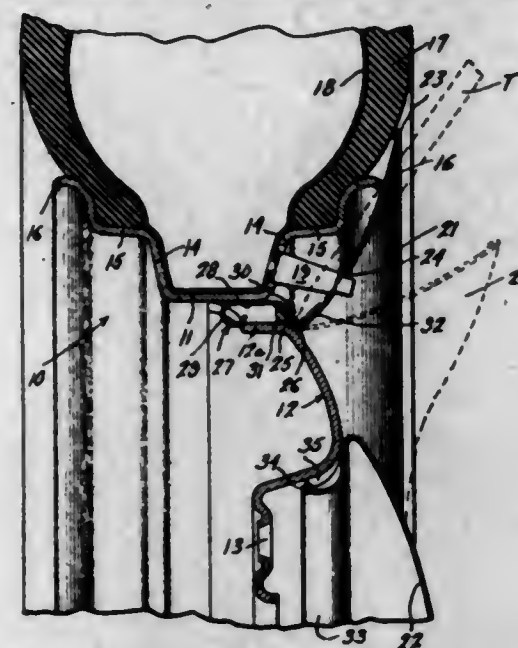
2,386,228

WHEEL STRUCTURE

George Albert Lyon, Allenhurst, N. J.
Application April 5, 1943, Serial No. 481,807
3 Claims. (Cl. 301-37)

1. In a wheel structure including a tire rim and a body part, there being circumferentially spaced apertures at the junction of said rim and body part, an annular cover member arranged

for disposition over the outer side of the wheel structure and over the tire rim to conceal the same, said cover member including an inner peripheral marginal portion disposed to provide, with the remainder of the cover member, a cross-sectionally V-shaped, reinforcing inner peripheral margin, retaining means for securing said cover member in concentric relationship to and over the outer side of the wheel structure, said

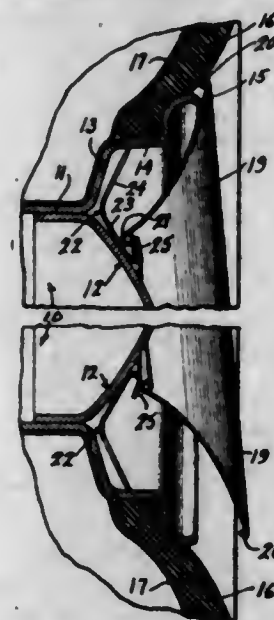


retaining means including a plurality of resilient clips arranged for alignment with the apertures and having portions engageable therein for retaining the cover member over the outer side of the wheel structure, said retaining means having the axially outer ends thereof formed to provide cross-sectionally V-shaped parts for disposition in nested relationship with the V-shaped part of the cover member.

2,386,229

WHEEL STRUCTURE

George Albert Lyon, Allenhurst, N. J.
Application April 7, 1943, Serial No. 482,096
5 Claims. (Cl. 301-37)



1. In a cover structure for a wheel including a tire rim part and a body part, a cover retaining member attached to said wheel and having a groove, a resiliently flexible annular cover member, and a bead at one margin of said cover member wedged between the sides of said groove but spaced from the bottom thereof.

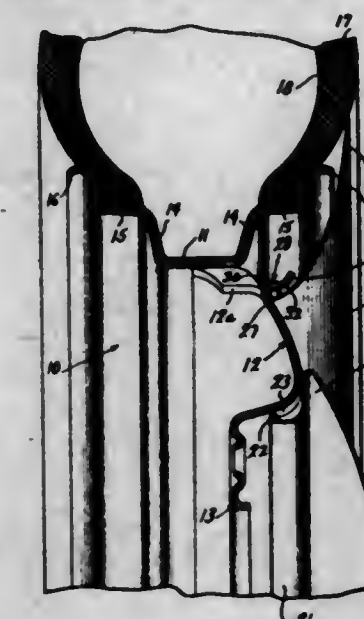
2,386,230

WHEEL STRUCTURE

George Albert Lyon, Allenhurst, N. J.
Application April 14, 1943, Serial No. 483,030
1 Claim. (Cl. 41-10)

In a wheel structure having a tire rim and a central load bearing portion secured thereto, re-

taining means for securing a circular cover over the outer side of the wheel structure, said retaining means including circumferentially spaced integral tabs struck from the body of the central load bearing portion and formed to extend substantially axially outwardly of the wheel structure and to provide a recess for receiving an at-



tachment part of the cover member disposed over the wheel structure in snap-on pry-off engagement, said integral tabs terminating in radially extending end portions arranged to afford guiding means for the attachment part of a cover member to direct the same into the respective recess for attachment therein.

2,386,231

WHEEL STRUCTURE

George Albert Lyon, Allenhurst, N. J.
Application April 23, 1943, Serial No. 484,137
3 Claims. (Cl. 41-10)



1. In a wheel structure including a tire rim and a central load bearing portion, said tire rim having a radially inwardly curled edge portion, there being circumferentially spaced apertures at the junction of said rim with said load bearing portion, retaining means for securing a circular cover member over the outer side of the wheel structure, said retaining means including a part for retainingly engaging the cover member and including extensible and contractible parts, one of which is arranged to be retainingly lodged at the radially inner part of the curled edge portion of the tire rim and the other part being arranged to be retainingly engaged in one of said apertures so that the retaining means wedgingly bridges the space between said curled edge portion of the tire rim and said aperture in attached relationship to the wheel.

2,386,232

WHEEL STRUCTURE

George Albert Lyon, Allenhurst, N. J.
Application June 2, 1943, Serial No. 489,314
1 Claim. (Cl. 301-37)



In a wheel structure including a tire rim, a cover member for disposition over the outer side of said tire rim, said cover member being in the form of an annulus and being arranged to be resiliently, locally flexed away from the wheel structure to render the rear side thereof accessible and having a cross-sectional configuration of such shape and magnitude that it overlies the outer side of the tire rim to conceal the same and constitutes in effect a continuation of the side wall of a tire in said rim to give the appearance of being a part thereof, means for reinforcing the inner peripheral portion of the cover member, said means comprising a cross-sectionally, substantially circular reinforcing member arranged to envelop the inner peripheral margin of said cover and retaining means on the wheel structure for retainingly engaging said reinforced portion of the cover and for resiliently urging the same toward the adjacent portion of the outer surface of the wheel structure thereby to afford a pivotable connection between the retaining means, the wheel structure and the reinforced portion of the cover to provide, for free, local flexure of the cover by movement of a portion of the outer peripheral edge thereof away from the wheel structure to render the rear side thereof accessible.

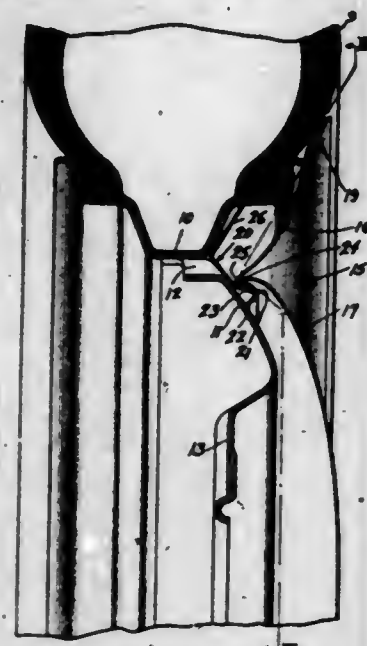
2,386,233

WHEEL STRUCTURE

George Albert Lyon, Allenhurst, N. J.
Application June 21, 1943, Serial No. 491,601
7 Claims. (Cl. 301-37)

1. In a wheel structure including a multi-flanged tire rim and a body part, a cover retaining ring having a central annular portion with shoulder means over which an edge of the cover is adapted to be snapped into retained engagement therewith and also having four radial corner portions formed into inclined radially outwardly extending fingers for resilient snap-on retaining engagement with the rim of the wheel, said ring also having at the inner margin thereof a flange bent substantially axially inwardly so that the edge thereof supportingly abuts the wheel body to impart rigidity to said shoulder

means, and a circular cover having an edge portion pressed axially over and behind said shoulder

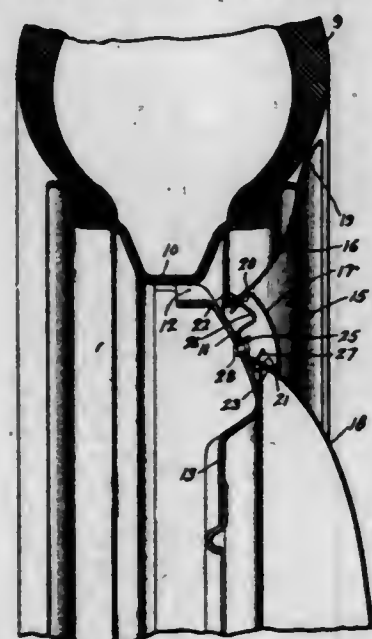


means for concealing one of the parts of the wheel.

2,386,234

WHEEL STRUCTURE

George Albert Lyon, Allenhurst, N. J.
Application June 21, 1943, Serial No. 491,602
11 Claims. (Cl. 301-37)



1. In a wheel structure including a multi-flanged rim part for receiving a tire and a wheel body part attached thereto, an annular trim member for covering the rim, a concentric central cover member for the wheel body, an intermediate annular bead having inner and outer under-turned portions, said trim ring being resiliently held on said outer portion and said central member being held on said inner portion, and means attached to one of said wheel parts over which one of said under-turned portions is resiliently snapped into retained engagement therewith to retain said bead and said trim ring and said central member on the wheel.

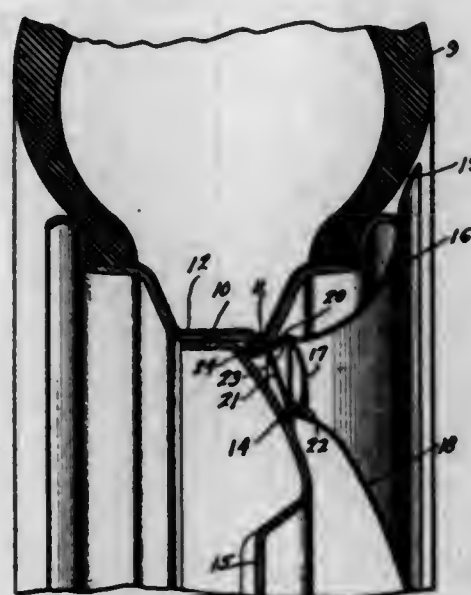
2,386,235

WHEEL STRUCTURE

George Albert Lyon, Allenhurst, N. J.
Application June 21, 1943, Serial No. 491,603
6 Claims. (Cl. 301-37)

1. In a wheel structure including a multi-flanged tire rim and a wheel body connected thereto, a wheel cover comprising concentric ring and hub cap members for disposition over the wheel rim and body respectively, and an intermediate ring for covering the adjacent margins of said members, for holding them together and for detachably retaining them on the wheel,

said wheel rim having a base flange provided with radially inwardly projecting means facing said wheel body, and said intermediate ring having rearwardly projecting resilient means constructed and arranged to be resiliently cammed over and into cover retaining engagement with said projecting means, said projecting means comprising a plurality of depressions at the junction of the base and side flange of the rim, each of which depressions forming a

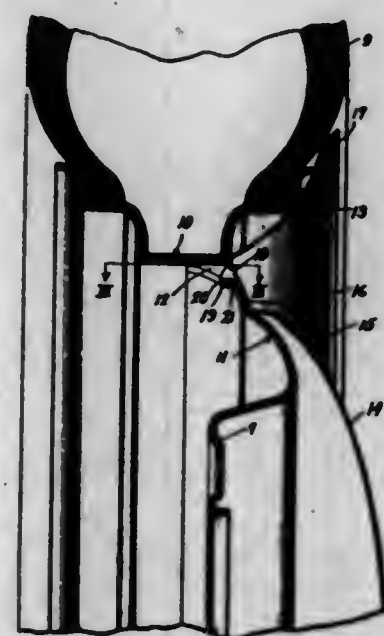


protuberance arranged in a common circle, the innermost diameter of which is less than the outermost diameter of said retaining means on the ring whereby said retaining means on the ring must be flexed as it is pressed over and behind said protuberances and whereby said retaining means is not permitted to return completely to its normal undeflected position and hence is under tension when retainingly cooperating with the protuberances.

2,386,236

WHEEL STRUCTURE

George Albert Lyon, Allenhurst, N. J.
Application July 12, 1943, Serial No. 494,304
5 Claims. (Cl. 301-37)



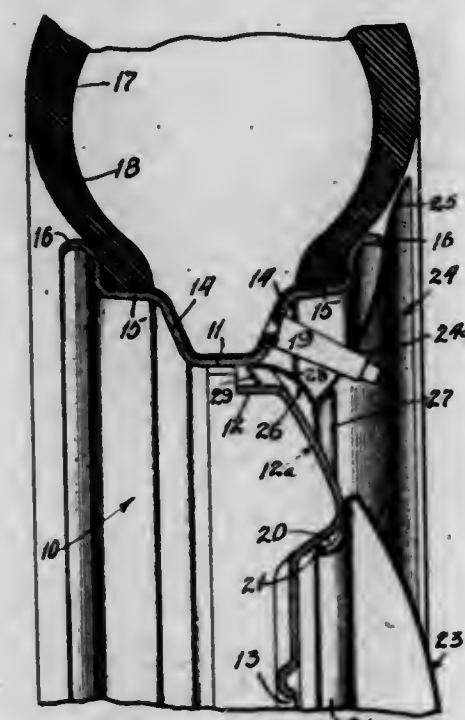
1. In a wheel structure including a wheel having a multi-flanged tire rim part and a body part connected thereto at spaced intervals leaving openings therebetween, a circular cover for said wheel having an annular indented portion provided with punched-out spaced circularly arranged tangs extending rearwardly from said indented portion and constructed and arranged to be resiliently pressed into said openings and into retaining engagement with one of said wheel parts, said cover including an annular outer trim section and a central hub cap section joined together at said indented portion, and being made of a plastic material having the property of being

self-sustaining with respect to form and yet being resiliently deflectable without permanent deformation whereby said outer trim section may be manually pulled away from the wheel to afford access to the rear of said trim section, said hub cap section extending generally axially outwardly from the indented portion and said outer trim section extending axially and radially outwardly from the indented portion and being flexible relative to the indented section toward and from the wheel.

2,386,237

WHEEL STRUCTURE

George Albert Lyon, Allenhurst, N. J.
Application July 22, 1943, Serial No. 495,678
11 Claims. (Cl. 301-37)



1. In a wheel structure having a tire rim and a load bearing portion, there being circumferentially spaced openings along the junction between said rim and load bearing portion, a cover for disposition over the outer side of the wheel structure and retaining means for securing the cover in position, said retaining means including portions for retainingly engaging the wheel structure, a portion for retainingly engaging the cover and an intermediate portion disposed in spaced relation to the adjacent part of the surface of the wheel to define therewith an air passage to the wheel openings, said cover and cover engaging portion of the retaining means being arranged to afford an opening for said air passage.

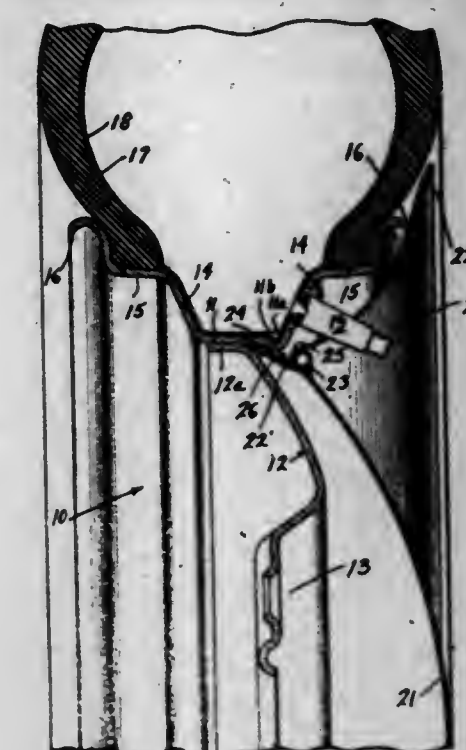
2,386,238

WHEEL STRUCTURE

George Albert Lyon, Allenhurst, N. J.
Application July 31, 1943, Serial No. 496,888
6 Claims. (Cl. 301-37)

1. In a cover assembly for disposition over the outer side of a wheel structure, an outer annular cover member, a central circular hub cap simulating cover member and an intermediate, rigidifying, retaining annulus, said annulus including a generally axially disposed intermediate body portion having the outer peripheral edge thereof bent radially outwardly from said intermediate body portion and having the inner margin thereof bent radially inwardly of said body portion, said outwardly bent portion receiving, at the axially inner side thereof, the radially inner portion of the annular cover member and said intermediate body portion receiving and supporting the radially outer margin of the central circular hub cap simulating cover, said bent portion at the

inner margin of said retaining member retainingly receiving the edge of the central circular

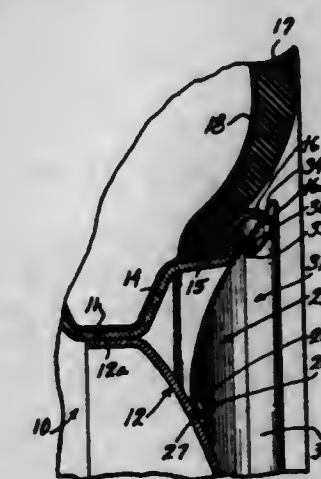


hub cap simulating cover and being adapted to retainingly engage with a part of a wheel structure over which the cover assembly is disposed.

2,386,239

WHEEL STRUCTURE

George Albert Lyon, Allenhurst, N. J.
Application July 31, 1943, Serial No. 496,891
4 Claims. (Cl. 301-37)

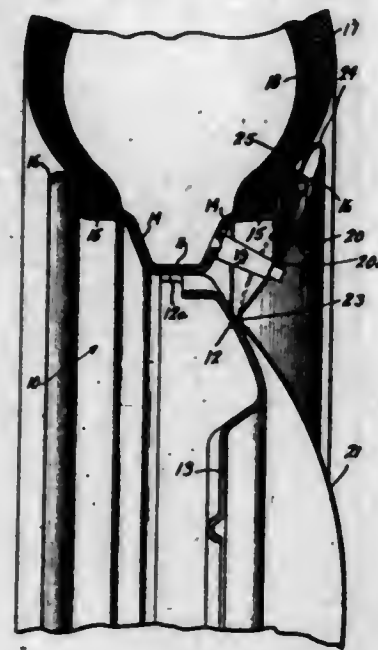


2. In a wheel structure including a tire rim of the drop center type having a radially inwardly, axially outwardly formed edge portion and a central load bearing portion, a cover assembly including an annular cover member formed by synthetic plastic material and having physical characteristics enabling it to be self-supporting and form retaining and yet resiliently flexible, said cover member having a radially outer edge normally describing a circle greater than that described by the terminals of said edge portion of the tire rim and being arranged to be urged axially inwardly of the tire rim and flexed into an axially outwardly, concave configuration whereby the edge portion is drawn inwardly to snap axially inwardly of the terminal part of the edge portion of the tire rim so that said edge is urged radially outwardly by the inherent flexibility of the cover member into retaining engagement with the edge portion of the tire rim and an annular member for concealing the junction between the tire rim and said annular cover member, said annular member having a portion retainingly engaged with the annular cover member and a portion extending radially outwardly over the junction between the annular cover member and the tire rim.

2,386,240

WHEEL STRUCTURE

George Albert Lyon, Allenhurst, N. J.
Application September 6, 1943, Serial No. 501,344
10 Claims. (Cl. 301-37)



1. In a cover structure for a wheel having a multi-flange tire rim and a central load bearing portion, a cover including a radially outer annular portion formed from sheet material and having physical characteristics enabling it to be resiliently flexed temporarily, locally and to return to its original configuration when flexing pressure is relieved therefrom, said annular cover portion being arranged to extend radially outwardly beyond the junction of the tire rim and a tire therein and having a turned back flange formed to extend generally radially inwardly and to retainingly engage a portion of the inner surface of the flanged tire rim.

2,386,241

WHEEL STRUCTURE

George Albert Lyon, Allenhurst, N. J.
Application September 6, 1943, Serial No. 501,346
4 Claims. (Cl. 301-37)



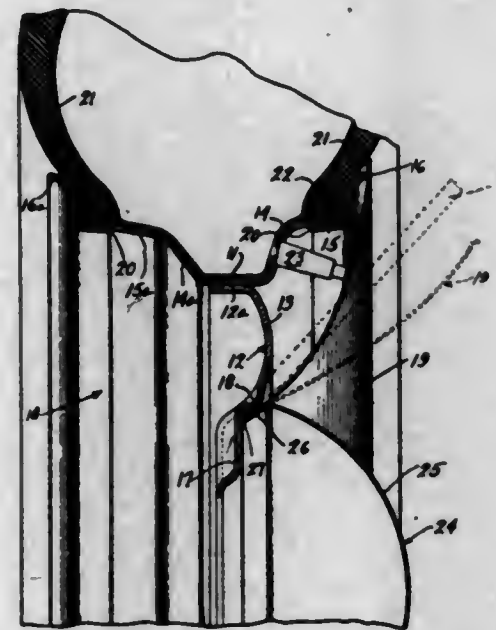
1. As an article of manufacture, a cover assembly including a radially outer annular portion formed from sheet synthetic plastic material and a central circular portion formed from relatively rigid material, said circular portion being formed at the radially outer periphery thereof to provide a generally axially inwardly radially inwardly extending flange formed at the edge thereof to provide a radially outwardly curled resilient edge, said outer annular cover portion being

maintained in assembled relationship with the circular cover portion by disposition of the radially inner margin thereof over the radially outer surface of said marginal flange of the circular cover portion with the edge portion thereof abutting the generally axially outer surface of the curled portion of the central circular cover portion.

2,386,242

WHEEL STRUCTURE

George Albert Lyon, Allenhurst, N. J.
Application December 20, 1943, Serial No. 514,876
1 Claim. (Cl. 301-37)



In a cover assembly for disposition over the outer side of a wheel structure having a tire rim and a central load bearing portion provided with cover retaining means, a radially outer, annular cover member formed from resiliently yieldable material and having flexible characteristics whereby it may be locally flexed from the outer side thereof and it can return to its initial configuration upon relief of the flexing pressure therefrom, and a central, relatively rigid hub cap member, said hub cap member having a flange at the peripheral margin thereof for receiving the inner margin of the annular cover member in surface relationship to support the same, said hub cap member also having a retaining portion for detachably engaging with the cover retaining means on the wheel and being arranged to draw the flange thereon toward the retaining means to retain the inner margin of the annular cover member toward the retaining means to retain the inner margin of the annular cover member in cushioning relation between the retaining means and the flange of the hub cap member whereby it is held to afford flexing action from the outer edge thereof.

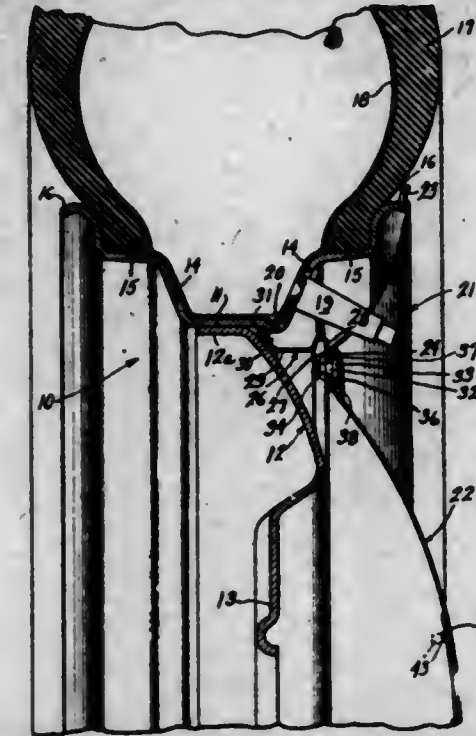
2,386,243

WHEEL STRUCTURE

George Albert Lyon, Allenhurst, N. J.
Application December 31, 1943, Serial No. 516,327
3 Claims. (Cl. 301-37)

1. In a wheel structure including a wheel having flanged tire rim and body parts, a wheel cover comprising a one-piece disc of resiliently yieldable form sustaining plastic and including a curved radially outer portion for substantially concealing outer flanges of the rim part and a central radially inner portion connected to the outer portion over said body part by a grooved intermediate annular section, an annular bead in said grooved section, cover retaining means on

the rear side of said section for detachably engaging at least one of said wheel parts and means

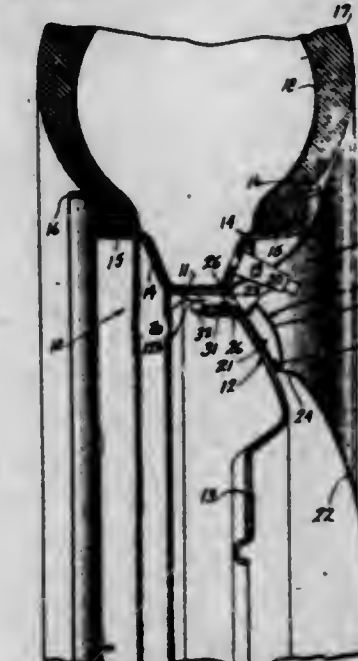


for securing said bead and retaining means to said intermediate section.

2,386,244

WHEEL STRUCTURE

George Albert Lyon, Allenhurst, N. J.
Application January 7, 1944, Serial No. 517,323
9 Claims. (Cl. 301-37)



1. In a wheel structure including a tire rim and a central load bearing portion, there being wheel openings along the junction of said rim and load bearing portion, a cover assembly including a circular cover having a part extending over the outer side of the wheel section including said openings, said cover part being formed to provide apertures arranged to be aligned with said wheel openings, said apertures being defined by generally axially, inwardly extending walls arranged to telescope into the wheel openings to align the cover on the wheel and to maintain the same thereon against rotation relative thereto, and means for securing the cover axially inwardly against the wheel, said securing means including an axially outer portion for engaging the cover and also axially inner portions arranged to extend through said wheel openings to detachably engage with a portion of the wheel.

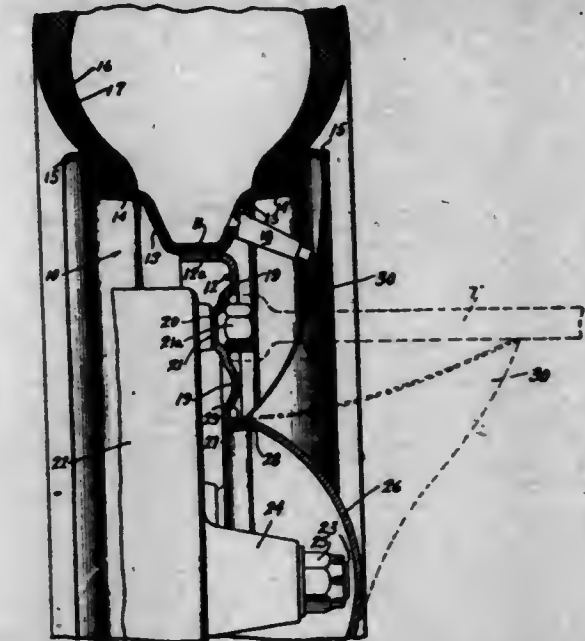
2,386,245

WHEEL STRUCTURE

George Albert Lyon, Allenhurst, N. J.
Application April 10, 1944, Serial No. 530,351
14 Claims. (Cl. 301-37)

1. In a vehicle, wheel and wheel cover assembly, said wheel including a flanged tire rim and

a central load bearing portion, attachment means on the vehicle for detachably engaging with the central load bearing portion of the wheel, an annular cover disposed over the outer side of the wheel to overlie and conceal said attachment means, means for securing one edge of the cover

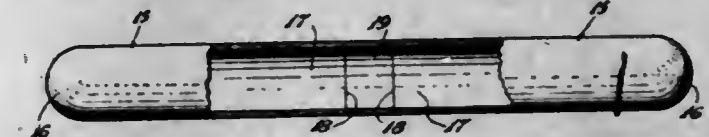


in the assembly, said cover being formed from a locally, resiliently flexible material and having an edge adapted to be flexed away from the wheel to render the rear side thereof and the attachment means accessible to afford removal of the wheel from the vehicle without requiring removal of the cover therefrom.

2,386,246

METHOD OF MAKING CONTAINERS

Daniel Mapes, West Caldwell, N. J., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application April 4, 1942, Serial No. 437,635
6 Claims. (Cl. 29-148.2)



3. The method of making high pressure metal containers from cylindrical shells having open and closed ends respectively, which comprises initially fastening a tubular member in telescopic relation to the open end zones of an opposed axially aligned pair of shells to provide reinforced open end zones, subjecting said open end zones and said member to a diameter reducing operation to provide said pair with reinforced necks, and subjecting said reinforced necks to a severing operation to provide a pair of separated containers having reinforced necks.

2,386,247

PREPARATION OF SOLS

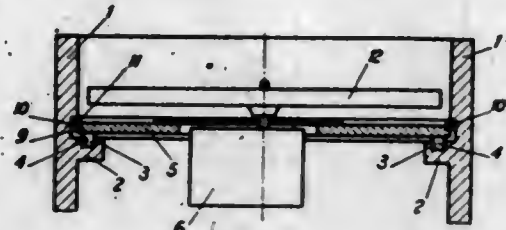
Morris D. Marshall, Arlington, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 3, 1941, Serial No. 409,434
18 Claims. (Cl. 252-306)

2. The method of preparing a stable and substantially anhydrous organosol composed of a colloidal inorganic oxide and an organic solvent which comprises forming an aquasol containing a colloidal inorganic oxide and a dissolved inorganic salt, adding a quantity of a water-miscible organic solvent having a boiling point higher than that of water, removing the precipitated inorganic salt and removing the water by distillation.

2,386,248

MEANS FOR RESILIENT MOUNTING OF UNITS

Manlio Marzetti, Milan, Italy; vested in the Alien Property Custodian
Application January 15, 1940, Serial No. 314,001
In Italy January 18, 1939
6 Claims. (Cl. 248-22)

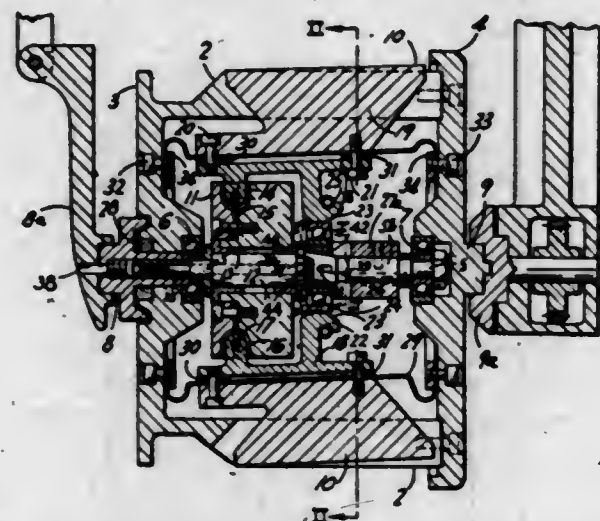


1. An arrangement for resiliently mounting an unit on a support element comprising a carrier element for said unit, soft pads on said support element on which said carrier element bears, said carrier and support elements providing confronting perimetrical faces spaced from each other in vertical direction, one of said elements having the outer edges of its said faces located within the space limited by the internal edges of said faces of the other one of said elements and being clear therefrom in vertical direction to provide for a free respective displacement thereof in said direction and resilient means located intermediate said confronting faces of said carrier and support elements and engaging said carrier with said support said resilient means being the sole means interconnecting said carrier and support laterally and upwardly.

2,386,249

THREAD-ADVANCING REEL

Henry J. McDermott, Prospect Park, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application February 9, 1944, Serial No. 521,611
6 Claims. (Cl. 28-71.6)



1. A thread advancing reel comprising a set of spaced, longitudinally extending bar members rotatable about an axis, a second set of spaced longitudinally extending bar members interdigitating with the members of the first set, means for supporting the second set of bars rotatably on an axis of rotation eccentric to that of the first set, means for rotating the bar members, each of the bar members of the second set being mounted on the supporting means pivotally on a single axis transverse of the length of the bar and of the axis of rotation of the second set of bar members, and means actuated by such rotation for rocking the bar members of the second set with respect to their supporting means to effect alternate protrusion and recession thereof with respect to the bar members of the first set.

2,386,250

PHOSPHATED BLOWN OILS

James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application July 15, 1943,
Serial No. 494,846

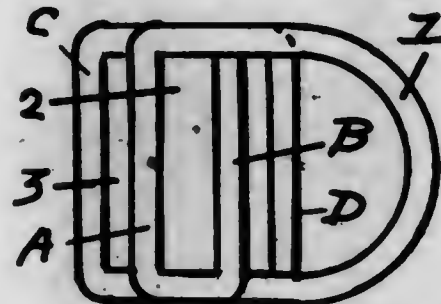
5 Claims. (Cl. 260-403)

1. The process of producing a modified oil which comprises blowing an unsaturated organic compound selected from the group consisting of the semi-drying oils, fats and waxes at a moderately elevated temperature and thereafter treating the blown compound with an acid of phosphorus, whereby a phosphato or phosphito group is attached to carbon through a carbon-oxygen-phosphorus linkage.

2,386,251

BUCKLE

Fred E. Mefford, Colorado Springs, Colo.
Application January 1, 1944, Serial No. 516,685
5 Claims. (Cl. 24-200)



1. A take up buckle for webbing consisting of an integral wire structure including a return bend and a pair of oblong loops disposed in substantial registration, one loop being narrower than the other loop and the return bend extended from said loops to provide a tilting arm for the buckle.

2,386,252

ANTISEPTIC COMPOSITION

Majer Mendelsohn, New York, N. Y.
No Drawing. Application February 21, 1942,
Serial No. 431,896

8 Claims. (Cl. 167-70)

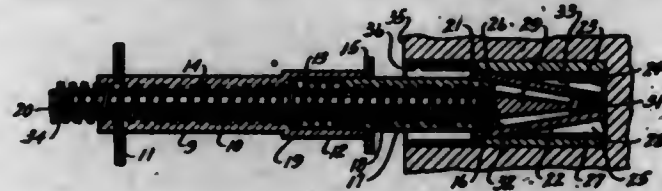
1. An antiseptic composition for the liberation of iodine in accordance with the presence of bacteria, the composition including a water soluble iodide, a water soluble iodate, and means for stabilizing the iodine-liberating reaction of iodide and iodate, including a water soluble orthophosphate which does not have an acid reaction, and a water soluble acid carbonate, all in quantities such as to produce a substantially neutral composition.

2,386,253

BEARING AND RETAINER PULLER

Clarence L. Meyer, Dayton, Ohio
Application January 8, 1944, Serial No. 517,516
3 Claims. (Cl. 29-265)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a tool for pulling a bearing ring or the like away from the bottom of a blind bearing seat within a socket, said tool comprising a sleeve

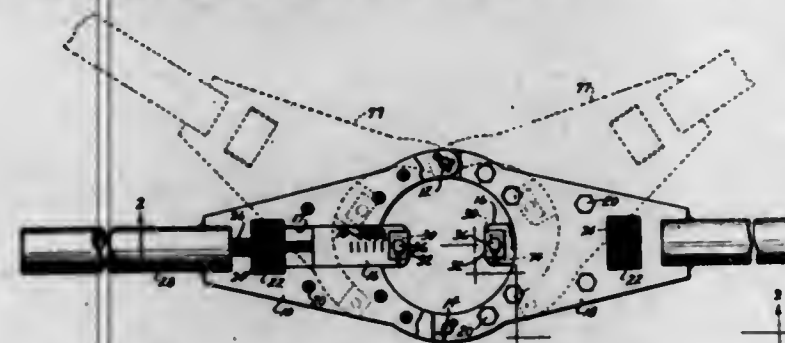
member, a series of ring-engaging jaws extending from the end of said sleeve member, jaw-expanding means operable within said sleeve member for forcing the jaws radially outward to engage said ring, and tension means carried above the jaws by the jaw-expanding means for pulling the jaws axially from said seat to withdraw said ring, said jaws terminating in the form of wedges with the foremost sides lying in a plane substantially normal to the axis of the sleeve member, the other sides of said wedges tapering outwardly to sharp edges on a plane beneath the extremities of all other elements of the composite tool, whereby the wedges may be extended into the opening of the ring, held against the bottom of the blind bearing seat, the sharp edges of the wedges then forced between the back end of the ring and the bottom of the bearing seat to engage the seated end of the ring, and the engaged ring then pulled from the socket by the tension means without damagingly engaging the inner surface of the bearing ring.

2,386,254

ADJUSTABLE SPANNER WRENCH

Clarence L. Meyer, Dayton, Ohio
Application January 11, 1944, Serial No. 517,804
3 Claims. (Cl. 81-90)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

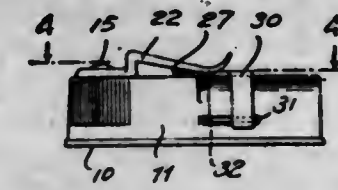


1. For adjusting nuts of different sizes and types, an adjustable spanner wrench which comprises a body having oppositely extending handle portions and a central opening to receive the parts which carry the nuts to be adjusted, a pair of opposite slide members carried by said body, normal to the axis of said central opening, slidable in a groove of said body, said members having their inner ends projected into said central opening, screw-and-nut adjusting means associated with the outer ends of each of said members for varying the distance which each slide member projects into said opening, the slide members having rectangular sockets extending transversely therethrough adjacent the inner ends, detent means extendable inwardly into said sockets, adapters having shanks at one end extending into said sockets with detent depressions for cooperating with said detent means, and lugs at the other end for engaging wrench-lug openings in the nuts which are to be tightened.

2,386,255

FLASHLIGHT

Willis R. Morey, Arlington, Va.
Application June 7, 1943, Serial No. 489,974
6 Claims. (Cl. 240-6.45)



1. In a flashlight comprising a case having a battery therein, a flashlight bulb in the case in

circuit with the battery, and resilient gripping means secured to the outside of the case and having a portion spaced from the case to provide an object receiving pocket therewith, a switch in the battery-bulb circuit having a portion projecting into said pocket, the arrangement being such that upon the insertion of an object in said pocket said portion of the switch will be engaged by the object and the switch will be moved to closed position and will be maintained in closed position until the object is withdrawn from the pocket, and switch operating means having a portion movable into and out of the pocket and into and out of engagement with said portion of the switch to operate the switch.

2,386,256

MONOCYCLIC MONO-OLEFIN CUPROUS HALIDE AND A PROCESS OF MAKING IT

Lloyd C. Morris, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application April 6, 1942,
Serial No. 437,903

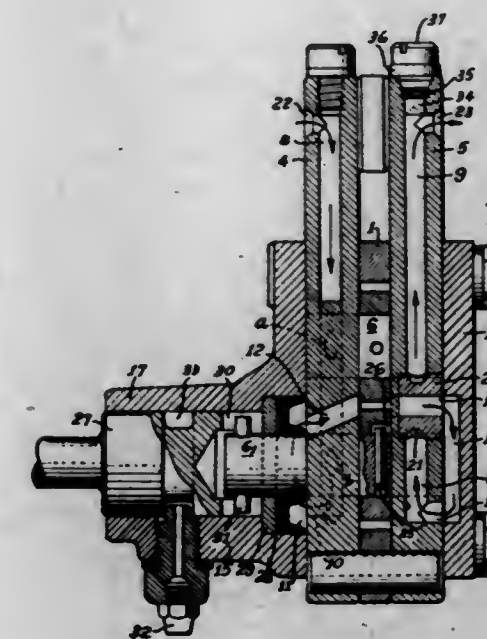
12 Claims. (Cl. 260-438)

9. As a new chemical compound, a solid complex addition compound of a hydrocarbon selected from the group consisting of monocyclic mono-olefins and alkyl substitution products thereof with a cuprous halide, said chemical compound being a solid crystalline material, substantially insoluble in hydrocarbons, in water and in aqueous cuprous halide solutions, stable at temperatures below about 80° F., readily decomposable into its components at temperatures above about 125° F., and continuing said hydrocarbon and cuprous halide in equi-molecular proportions.

2,386,257

GEAR PUMP

Géza Walter Müller, Bron, France; vested in the Alien Property Custodian
Application March 7, 1942, Serial No. 433,808
In France February 20, 1941
7 Claims. (Cl. 103-126)



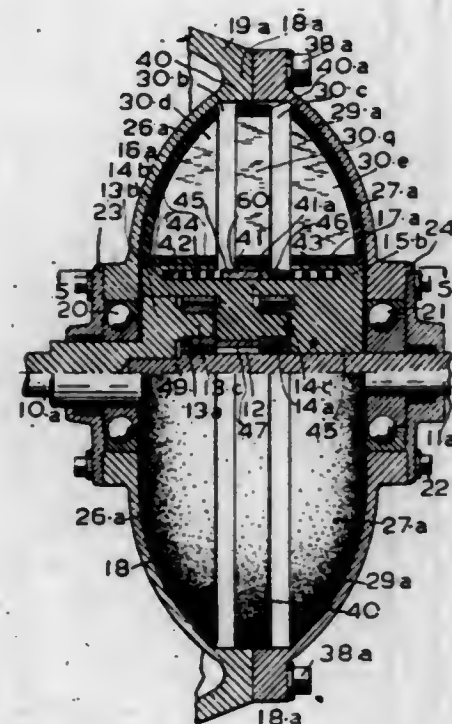
1. A gear pump comprising in combination a pump body constituted by at least a body part and a side part adapted to be juxtaposed to each other by one face, two recesses hollowed in said body part in said face, two pump gears housed in said recesses, holes in said parts, carrier pins for said gears journaled in said holes, one of

said pins projecting outside the outer face of said side part, a fluid circuit through said pump, a bracket juxtaposed to said outer face of said side part, an excavation provided in said bracket, said excavation being adjacent to said outer face and coaxial with the projecting one of said carrier pins, a gasket of elastic material in said excavation, a path hollowed in said gasket round said carrier pin and forming a portion of said fluid circuit.

2,386,258

FLUID DRIVE MECHANISM

Howard J. Murray, New York, N. Y.

Application October 25, 1940, Serial No. 362,777
15 Claims. (Cl. 74-189.5)

1. In a self-energizing drive control device, the combination of a driving rotor, a driven rotor, a fluid and a fluid drive means in drive relation, said means including cascaded planetary gearing sets a fluid coupling element drive connected to one of the rotors through one of the said sets, a second fluid drive element drive connected to the other rotor through another of the said sets, a third fluid drive element and a fourth fluid drive element formed so as to be resiliently cam drive connected to each other, said third and said fourth drive elements fluid drive related to the said second fluid drive element, said cam drive connections fluid controlled for causing the said third and fourth fluid drive elements to move axially relative to each other in accordance with the difference in speed of the said rotors as they are rotated relative to each other to co-operate to vary the fluid drive action of all the said elements.

2,386,259

WATERPROOFING TREATMENT OF MATERIALS

Francis J. Norton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

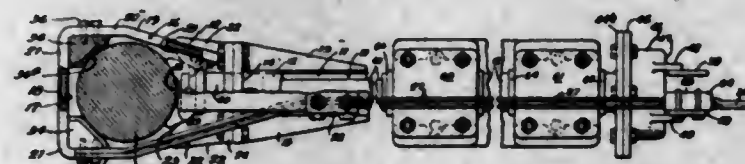
No Drawing. Application July 30, 1942, Serial No. 452,885

14 Claims. (Cl. 117-121)

1. The process of waterproofing a normally non-water-repellent material which comprises treating said material with the oily product obtained by hydrolyzing a methylhalogenosilane of the formula CH_3SiHX_2 wherein X represents a halogen selected from the group consisting of chlorine and bromine.

**2,386,260
MOUNTING FOR ELECTRIC ARC FURNACE ELECTRODES**

William Harvey Payne, La Grange, Ill.

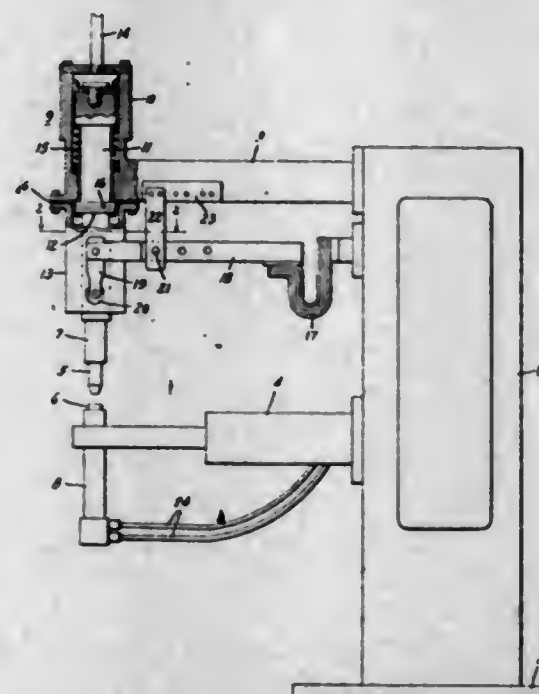
Application September 16, 1943, Serial No. 502,650
11 Claims. (Cl. 13-16)

1. In combination with a furnace electrode, a mounting including an elongated supporting arm, carrying at its outer end a head yoke open through its interior to afford passage for the electrode and having side portions outwardly offset from the arm and connected at their forward ends by a cross bridge portion and affording spaced corner sockets, contact blocks secured within said sockets and positioned to bear against laterally separated areas on the forward face of the electrode, a cylinder located in the rear of the arm, a piston within said cylinder, a piston rod extending forwardly therefrom through the arm, a clamping block engaged by the forward end of the piston rod and adapted to receive a direct forward thrust therefrom to clamp against the rear side of the electrode, means for controlling the flow of fluid pressure to the cylinder and means for supplying current to the electrode.

2,386,261

RESISTANCE WELDING APPARATUS

James H. Redmond, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application August 31, 1944, Serial No. 552,026
8 Claims. (Cl. 219-4)

1. Resistance welding apparatus comprising a frame, cooperating work engaging electrodes mounted on said frame, mechanical means on said frame for moving said electrodes toward and away from one another and for applying welding pressure through said electrodes to a work part therebetween, and electrical means including the welding circuit through said electrodes for controlling the electrode pressure on the work during the period of welding current flow through said electrodes, said means including a lever pivotally supported on said frame with its pressure arm connected for controlling the pressure applied to the work through said electrodes and with its force arm located adjacent and lengthwise of another part of said welding circuit in which it is

lengthwise connected through a current conductive joint having relatively movable parts so that the electromagnetic force of repulsion between said other part of said welding circuit and said force arm of said lever upon current flow there-through moves said lever about its pivotal support in a direction to apply said controlling electrode pressure to the work.

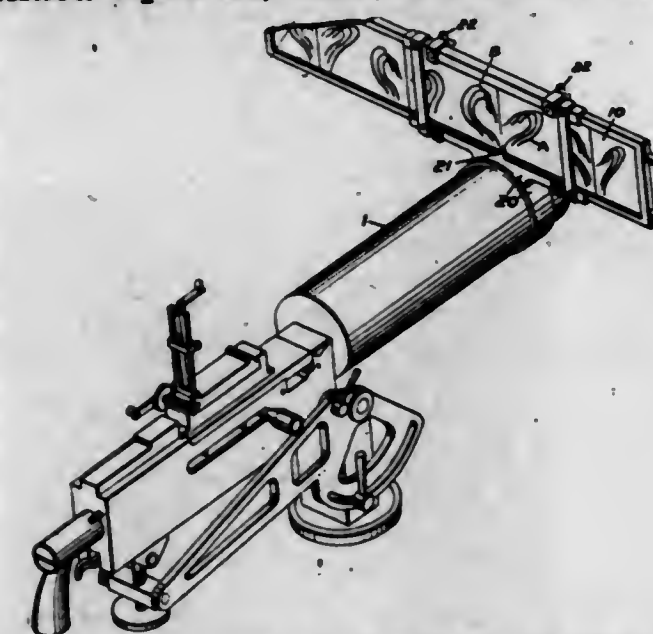
2,386,262

LEAD COMPENSATED SIGHT

John E. Reiersen, United States Army

Application May 6, 1943, Serial No. 485,841
5 Claims. (Cl. 33-51)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A lead-compensated sight for aiming a gun at a target having straight-line, uniform speed in a particular one of a plurality of vertical planes representing field of fire which are equi-spaced from each other and normal to a line through the gun (the segments of the said normal line constituting the least horizontal ranges R_m of the respective planes), the space on both sides of the said normal line being divided parallel to the said normal by a plurality of vertical stadia planes equi-spaced from each other, the said plurality of stadia planes intersecting a horizontal datum plane through the gun in a plurality of parallel, equi-spaced stadia lines, and the stadia lines intersecting the said plurality of vertical planes representing fields of fire in stadia points, the said stadia points being numbered consecutively from right to left and from left to right to provide for motion of targets in either direction, the said sight comprising a pellicle holder mounted at the muzzle end of the gun in place of the usual front sight and a transparent pellicle receivable in the said holder and provided with sets of curves for predetermined conditions of target speed, altitude and R_m value, each curve being constructed by a fair curve through the plotted positions of the lateral and vertical leads pertaining to particular stadia points according to abscissa of lateral lead and ordinate of vertical lead, the said curve points bearing corresponding stadia numbers.

2,386,263

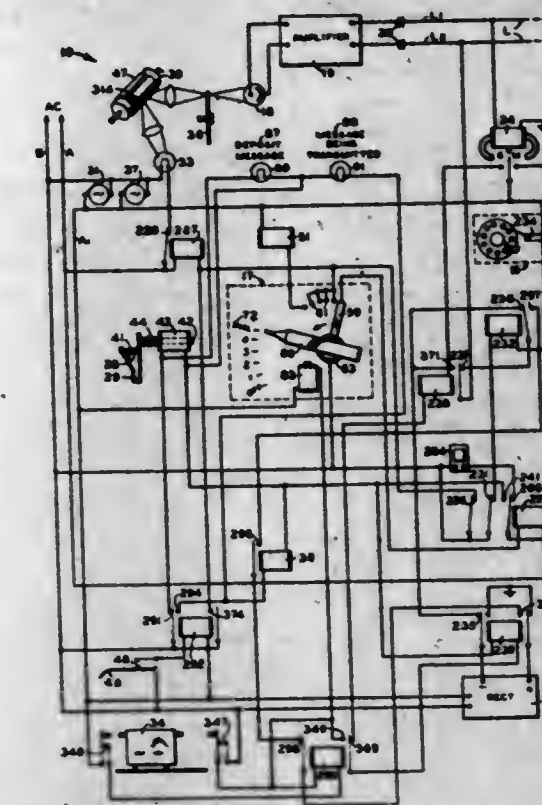
FACSIMILE TELEGRAPH SYSTEM AND APPARATUS

Garvice H. Ridings, Summit, and Raleigh J. Wise, Dunellen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application June 4, 1942, Serial No. 445,690
15 Claims. (Cl. 178-6.6)

1. In a facsimile telegraph system, a transmitter, a plurality of recorders, a communication

circuit for providing facsimile communication between said transmitter and said recorders, selective means one at each of said recorders responsive to a predetermined coded calling signal



for placing the recorder associated therewith in operative condition for facsimile reception, and means at said transmitter for initiating transmission of a message to a recorder when it is selectively placed in operation.

2,386,264

RESILIENT PLASTIC MATERIAL AND PROCESS FOR MAKING IT

Pearlie B. Roberts, Tyler, Tex., assignor, by direct and mesne assignments, of thirty-six per cent to himself, fifteen per cent to himself as trustee, thirty-four per cent to Arthur Squyres, Tyler, Tex., and fifteen per cent to said Squyres as trustee

No Drawing. Application June 29, 1943, Serial No. 492,768

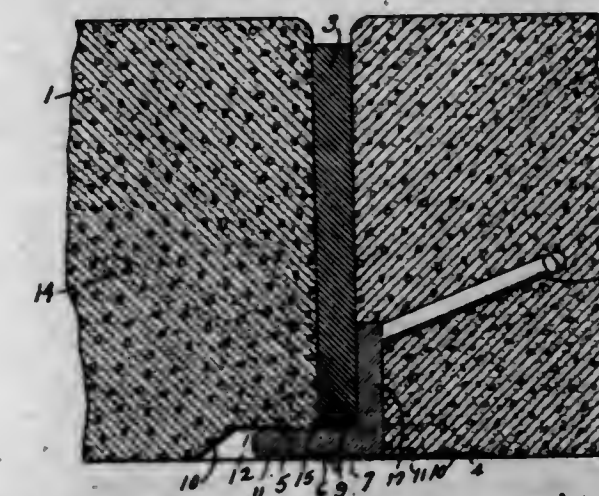
11 Claims. (Cl. 260-821)

1. The process of making plastic material containing protein by adding, as a coagulant, a quantity of dry protein to cactus juice until the juice is coagulated.

2,386,265

EXPANSION JOINT

Robert R. Robertson, Chicago, Ill.

Application February 7, 1944, Serial No. 521,325
13 Claims. (Cl. 94-8)

1. In a road joint former and load distributor including a base unit comprising a base plate, a plurality of sets of guide pockets and straps integrally formed in spaced relationship on the base

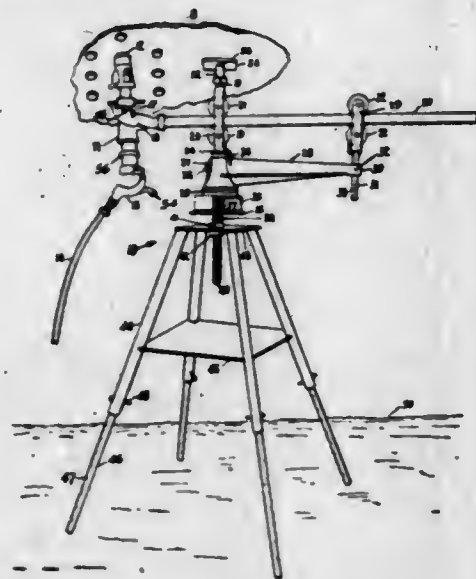
plate for slidably receiving a plurality of load transmission units engaged in reversed staggered relationship therein, and clamping means struck from said base plate for gripping and holding a filler board on the base plate.

2,386,266

OVERHEAD TOOL SUPPORT

Thomas C. Robertson, deceased, late of National Park, N. J., by Julia C. Robertson, administratrix, National Park, N. J., and Harry N. Conard and Joseph Richards, Philadelphia, Pa. Application April 10, 1943, Serial No. 482,663 1 Claim. (Cl. 78-46)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



An overhead tool supporting stand, said stand including a multipod base, said multipod base having extendable legs telescopically adjustable thereon at a desired height, a shelf providing a bracing member between said legs, a platform securing the tops of said legs together, a shaft adjustably secured on said platform, a base member swivelly supported on said shaft, a second shaft mounted in said swivelled base member and axially aligned with said first-mentioned shaft, a box member mounted on said second-mentioned shaft in fixed relation to said swivelled base member, a pair of pipe rollers, one above the other, journaled in said box member, an adjustably secured overhead pressure member mounted on said roller supporting box member, adapted to be braced against an overhead piece of work against which the tool is to be operated, a swivel arm integrally extending from said base member in a horizontal direction, an adjustably secured roller supporting box member mounted on said swivel arm, a pair of roller members journaled in said latter box member, one above the other, a rod slidably mounted on said two pairs of roller members and a tool carrying bifurcated yoke member secured at one end of said rod whereby the tool carried by said yoke member may be moved horizontally by sliding said rod and may be moved vertically by adjusting said second-mentioned roller supporting box member.

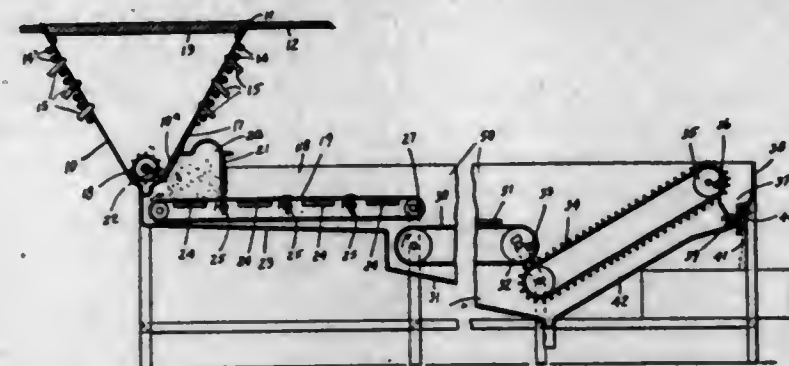
2,386,267

WASTE RECLAMATION

George B. Rolfsen, Indianapolis, Ind., assignor of one-half to David Cohn, Indianapolis, Ind. Application July 23, 1941, Serial No. 403,743 3 Claims. (Cl. 8-141)

1. Journal box waste renovation comprising advancing linearly and uniformly a relatively loose mat of journal box waste, washing such

mat by a downwardly directed pressure spray of oil applied to the top of the mat, the spray cyclically advancing in the direction of mat advance



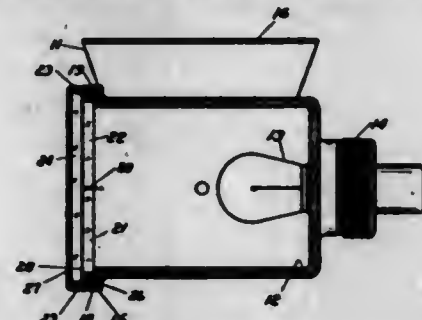
for an appreciable portion of the mat travel and then moving in the reverse direction for the same distance.

2,386,268

APPROACH LIGHT

John M. Roper, Washington, D. C. Application January 18, 1938, Serial No. 185,523 7 Claims. (Cl. 177-327)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An aircraft approach light comprising a comparatively long boxlike housing having opaque side walls, a lamp mounted in an opaque end wall of said housing, said opaque walls being substantially non-reflecting, the opposite end wall of said housing being transparent, means for simultaneously, differently coloring individual beams of the light rays passing from said lamp through said transparent wall, each individual beam alone being visible within predetermined angles to said housing to the exclusion of the other individual beams, said coloring means comprising at least two differently colored transparent members mounted against said transparent wall, and means for slightly spacing apart the adjacent edges of said colored transparent members parallel and transversely of the horizontal axis of the light beam emitted by the lamp, whereby a substantially horizontal beam of light rays uncolored by said two differently colored transparent members may pass through said transparent wall within predetermined angles, said lamp being mounted away from the vertical center of said end wall, whereby light rays will spread further toward one side of the lamp housing than the other side.

2,386,269

COMPOSITION SOLE AND METHOD OF MAKING SAME

John E. L. Ryan, Danbury, Conn. Application May 18, 1944, Serial No. 536,171 13 Claims. (Cl. 36-59)



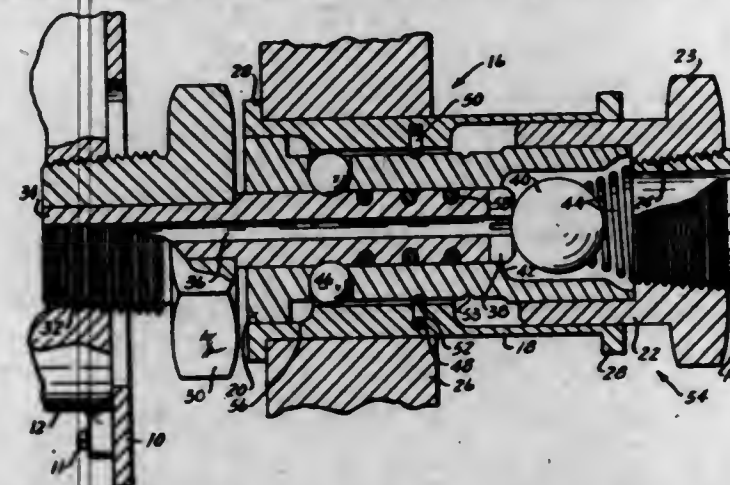
5. A composition shoe sole comprising a core about which a rope is wound transversely thereof and embedded in the material of the core.

2,386,270

APPARATUS FOR MAKING FLUID PRESSURE CONNECTIONS TO THE INSTRUMENTS ON AN INSTRUMENT PANEL

David Samiran, Osborn, Ohio Application May 13, 1943, Serial No. 486,832 3 Claims. (Cl. 284-19)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

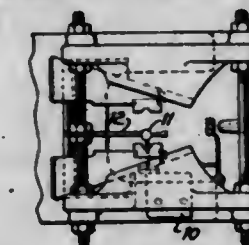


1. Apparatus for connecting and disconnecting pressure lines to the instruments on an instrument panel which comprises, in combination, an instrument secured to said instrument panel, a fluid pressure connector for said instrument, said connector comprising a tubular body joined to the pressure line, a tubular plunger secured in the back of each instrument and slidable axially in the tubular body, a tubular locking sleeve slidable axially over the outside of said body, supporting means rigidly fixed in back of said panel for said locking sleeve, stop means to limit axial movement of said sleeve in said supporting means, stop means to limit axial movement of said sleeve with respect to said body, a locking means carried by said body operative by movement of said sleeve for engaging said plunger and locking said plunger against withdrawal from said body, and detent means carried in said sleeve operative to yieldingly engage said body when the sleeve has moved to the locking position.

2,386,271

PRESSURE CASTING MACHINE

John R. Schuchardt, Bayside, N. Y. Application April 29, 1943, Serial No. 484,981 1 Claim. (Cl. 22-68)



A pressure casting machine comprising a pair of converging guides, complementary separable die sections slidable in said guides and each having a mold cavity, means for moving said die sections longitudinally relatively to said guide members to actuate said die sections toward and from each other for closing and opening the mold respectively, an ejector pin longitudinally slidably mounted in one of said die sections, to which pin the casting in the mold becomes attached during the molding operation, a fixed member which the end of said ejector pin slidably abuts as the die sections are moved relatively to said guides for causing relative movement of said ejector pin and the corresponding die section upon opening of the mold such that the casting is moved out of said die section in suspension on said ejector pin, and a knockout member to be engaged by said casting as said die sections are moved on said guide members, whereby such casting automatically will be knocked from said ejector pin.

579 O. G.-14

2,386,272

PROCESS FOR THE STABILIZATION OF UNSATURATED HYDROCARBONS

Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application February 10, 1942,

Serial No. 430,279

6 Claims. (Cl. 260-666.5)

4. The process of substantially completely removing dissolved copper compounds in the form of cuprous salt-unsaturated hydrocarbon complexes from liquid low-boiling aliphatic diolefin hydrocarbon concentrates consisting essentially of low-boiling aliphatic diolefin hydrocarbon having a conjugated system of double bonds to a concentration of not over 0.1 part per million and simultaneously protecting said concentrate against oxidation which comprises contacting said concentrate in liquid form with a reagent consisting of a material selected from the group consisting of hydrogen sulfide, methyl mercaptan and ethyl mercaptan and thereby precipitating substantially all of the copper contained in said copper compounds as insoluble copper salts, employing in said treatment such an excess of said reagent over the copper compounds contained in said concentrate as to protect said concentrate against oxidation, separating said insoluble copper salts from the resulting diolefin concentrate containing said excess of said reagent, and allowing said excess of said reagent to remain in said diolefin concentrate and function therein as an antioxidant.

2,386,273

CARBONATES OF 1-R-1 AMINOETHANES

Horace A. Shonle and Ewald Rohrmann, Indianapolis, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana No Drawing. Application January 15, 1943, Serial No. 472,488

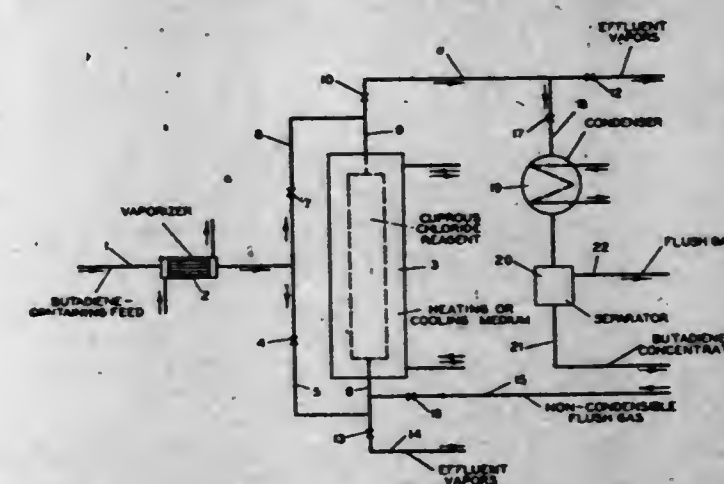
8 Claims. (Cl. 260-583)

1. A carbonate of 1-R-1-aminoethane in which R is an aliphatic hydrocarbon radical having from 4 to 9 carbon atoms.

2,386,274

PROCESS AND REAGENT FOR THE SEPARATION OF DIOLEFINS

Graham H. Short and Lloyd C. Morris, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware Application August 23, 1941, Serial No. 408,078 11 Claims. (Cl. 260-680)



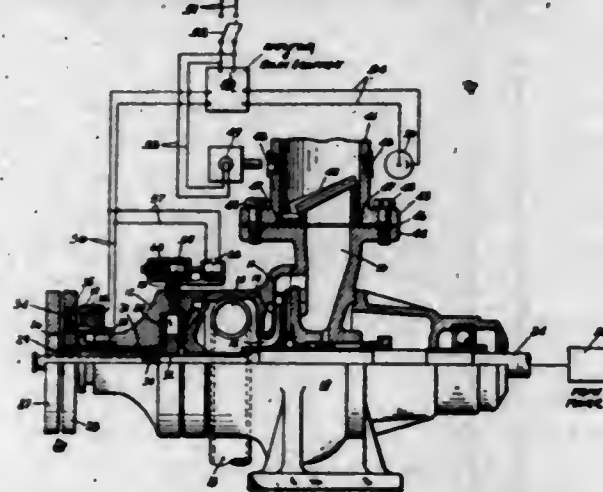
1. A process for the separation of butadiene from fluid mixtures containing the same which comprises contacting said mixtures in vapor phase with a reagent comprising a mixture of a cuprous halide and a granulated cellulosic fibrous

material impregnated with a high-boiling oleaginous material substantially inert to the components of the reagent and the fluids being treated, and removing the unreacted vapors from the reagent space, whereby the butadiene is selectively removed from said mixtures.

2,386,275

PUMPING ARRANGEMENT

Frank J. Sigmund and William S. Hlavin, Cleveland, Ohio, assignors, by mesne assignments, to Sigmund Corporation, a corporation of Ohio
Application December 29, 1941, Serial No. 424,702
3 Claims. (Cl. 103-113)

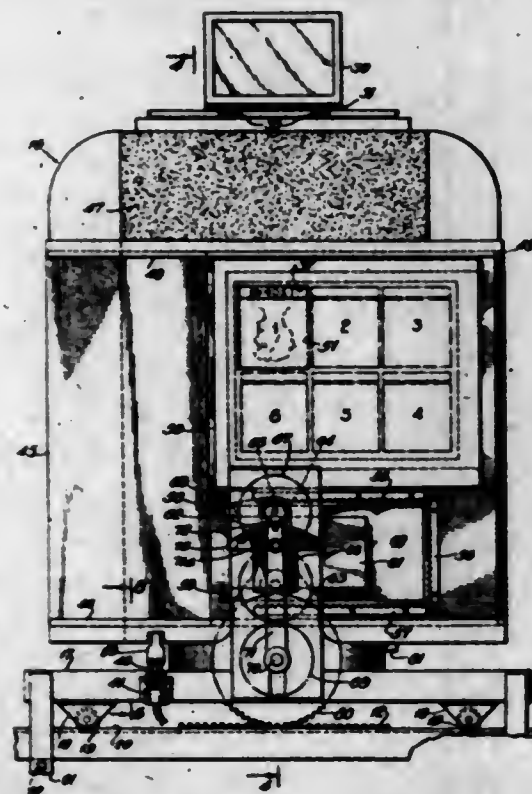


3. In combination, a first pump, a second pump, and light sensitive means responsive to the liquid in the outlet of the first pump for controlling the second pump, said light sensitive means causing operation of the second pump so long as substantially no liquid is being pumped by the first pump and arresting the operation of the second pump when liquid is being pumped by the first pump.

2,386,276

PHOTOGRAPHIC APPARATUS

Luther G. Simjian, Riverside, Conn., assignor to General Research, Inc., Stamford, Conn., a corporation of Connecticut
Application July 25, 1942, Serial No. 452,285
17 Claims. (Cl. 95-82)



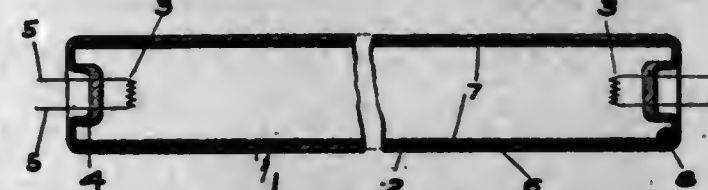
1. In a camera of the class described, a plate holder for carrying a flat plate-like film for exposure through a lens of said camera, means mounting said plate holder for movement in a plane parallel to the plane of said plate-like film, a series of rack portions fixed to said plate holder

substantially end to end and in predetermined angular relation to form in effect a continuous angular path, and a pinion rotatably mounted on said camera for engagement with said rack portions to move said film holder in said plane parallel to said film plate as predetermined by the angular positioning of said rack portions.

2,386,277

FLUORESCENT LAMP

Charles G. Smith, Medford, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application February 24, 1942, Serial No. 432,142
12 Claims. (Cl. 176-122)

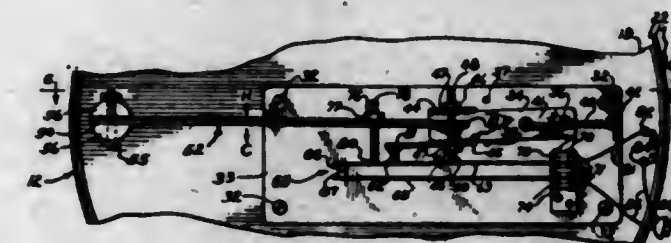


1. A gaseous electric discharge lamp comprising an envelope, an ionizable medium at substantial pressure in said envelope for generating light radiations in said envelope, means for producing an electrical discharge in said envelope for exciting said ionizable medium, a coating of fluorescent material arranged in the path of the light radiations, and a substantially transparent coating of a non-vitreous material stable in the presence of atoms of the medium excited in the discharge arranged between the fluorescent coating and the medium.

2,386,278

COFFEE MAKER

Fred P. Strother, Minneapolis, Minn., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application August 1, 1942, Serial No. 453,198
8 Claims. (Cl. 219-43)



1. A temperature control for a heating element comprising a switch controlling the supply of electrical energy to said element, said switch including a movable contact biased toward open circuit position, a thermostat responsive to the temperature of said heating element, means operative by said thermostat at a predetermined minimum temperature to move said contact into closed circuit position, and means operative by said thermostat at a predetermined maximum temperature to allow said contact to spring to open circuit position, said thermostat being thereafter operative at an intermediate temperature to move said contact to closed circuit position and at a higher temperature to allow said switch to open.

2,386,279

PIEZOELECTRIC DEVICE

Raymond W. Tibbetts, Camden, Maine
Application July 21, 1942, Serial No. 451,690
18 Claims. (Cl. 171-327)

1. In a device of the character described the combination of a piezo-electric slab which ex-

pands in one direction and contracts in another direction when subjected to electrostatic forces, a toggle extending in one of said directions along one side of the slab, means connecting the ends



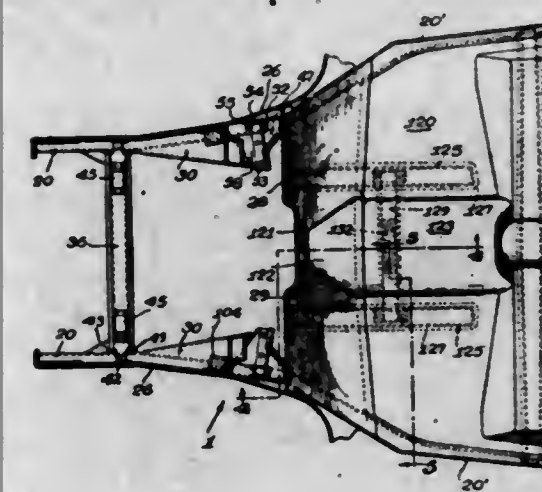
of the toggle with the slab so that expansion of the slab in the direction of the toggle tends substantially and effectively to straighten the toggle, and an actuator connected to said toggle intermediate its ends.

2,386,280

VEHICLE BODY

Theodore Ulrich, Bridgeport, Conn., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application July 17, 1941, Serial No. 402,877. Divided and this application April 23, 1942, Serial No. 440,131

4 Claims. (Cl. 296-28)



1. In a vehicle body structure comprising a floor panel provided at one end with an upwardly directed panel extension, a pair of elongated reinforcing members attached to and extending longitudinally from substantially the region of said extension over a minor part only of said panel in the region adjoining said extension, said members being spaced from each other and from the side margins of the panel and to which means for the support of part of the driving gear may be attached.

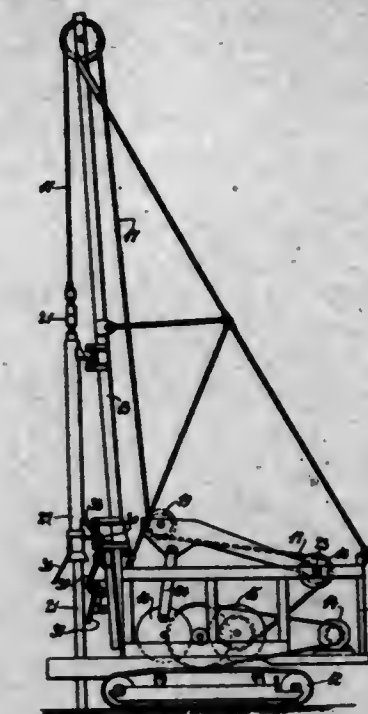
2,386,281

TOOL GUIDE FOR CABLE TOOL DRILLS

George R. Watson, Waukegan, Ill., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application May 7, 1943, Serial No. 486,025
6 Claims. (Cl. 255-11)

1. A tool guide for a cable-tool drill, comprising two hollow semi-cylindrical parts divided from each other along the major axis of the drill to which the guide is to be attached; hinges to mount one such part to swing horizontally away from the second such part; hinges to mount said second part to swing horizontally away from said first part, and to permit said second part to be moved vertically with respect to said first part; interlocking elements, carried by the two parts, and being such that these elements will be engaged and disengaged by the relative vertical

movement of the two parts, when the two parts are closed together; and means for moving the

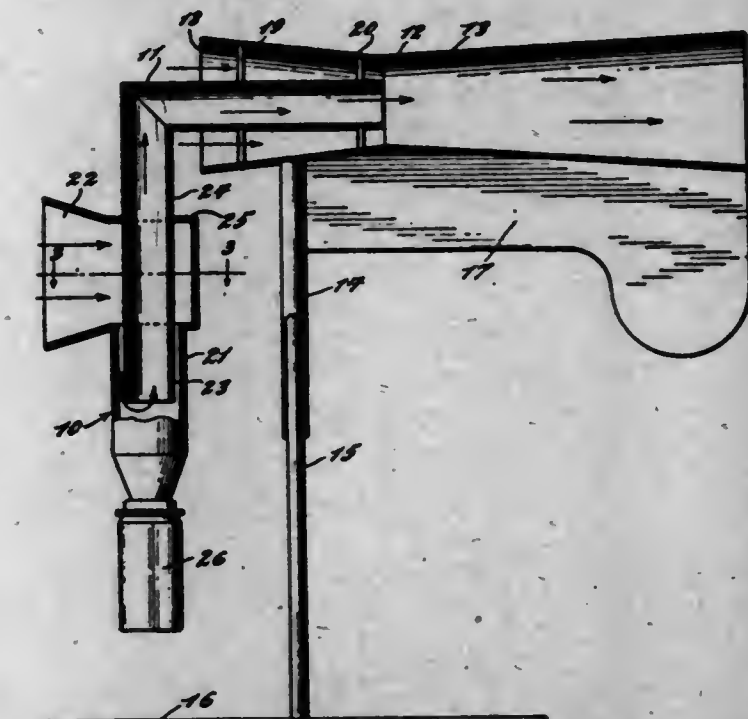


second part vertically with respect to the first part.

2,386,282

DUST SAMPLER

John E. Watson, Westport, Conn., and Charles B. McBride, Port Chester, N. Y., assignors to Prater-Daniel Corporation, East Port Chester, Conn., a corporation of New York
Application April 22, 1944, Serial No. 532,364
5 Claims. (Cl. 73-422)



5. A dust sampling apparatus which comprises a Venturi tube, means to support said Venturi tube to pivot on a vertical axis, an upright vane secured to said Venturi tube back of said pivotal support, a dust collector supported from said Venturi tube and comprising a centrifugal tube having a tangential inlet, an outlet pipe extending downwardly into said centrifugal tube past said tangential inlet and opening into the throat of said venturi and a dust receiving receptacle to receive separated particles from said centrifugal tube.

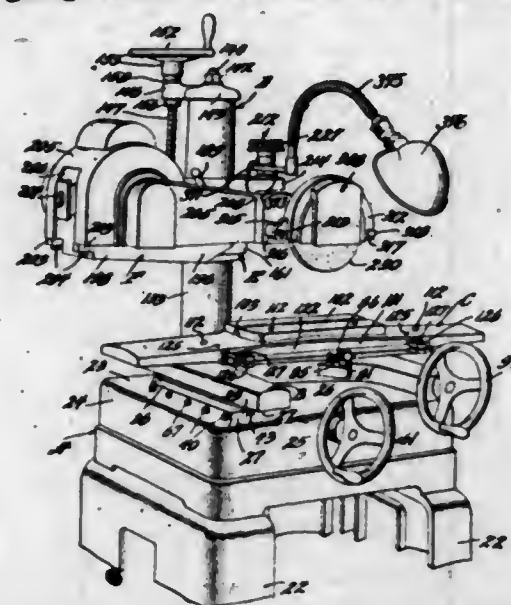
2,386,283

MACHINE TOOL

Christy A. Wiken and Eric A. Reibig, Milwaukee, Wis., assignors, by mesne assignments, to The Delta Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 1, 1942, Serial No. 467,512
18 Claims. (Cl. 51-93)

1. In a grinder, a base having spaced upstanding, longitudinally extending parallel lands and

a circular land disposed adjacent an end of one of said longitudinally extending lands; a column secured to said base and having a portion engaging said circular land; a grinding wheel and a driving mechanism therefor mounted on said column; a traversing table having parallel surfaces engaging said longitudinal lands and slid-



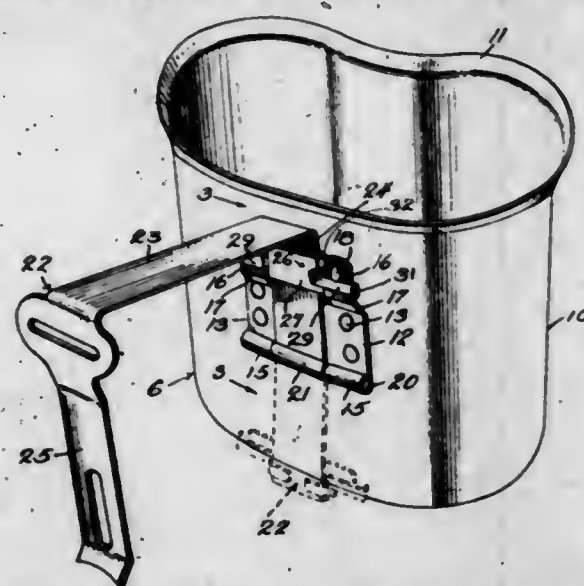
able thereover toward and away from said column; means, independent of said lands, for guiding said table for rectilinear movement along said longitudinally extending lands; and a work-supporting table mounted on said traversing table for sliding movement thereon transversely to said traversing table, for feeding a work-piece toward and away from said wheel.

2,386,284

CANTEEN CUP

John A. Wynn, United States Army,
Prince Georges County, Md.
Application June 13, 1944, Serial No. 540,171
13 Claims. (Cl. 16-126)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, a container, a handle hingedly secured to the container, a locking component fixed to the container, a locking member slidably secured to the handle and adapted to cooperatively engage the locking component to lock the handle in fixed relation to the container, and positive means for retaining the locking member in locking engagement with the locking component.

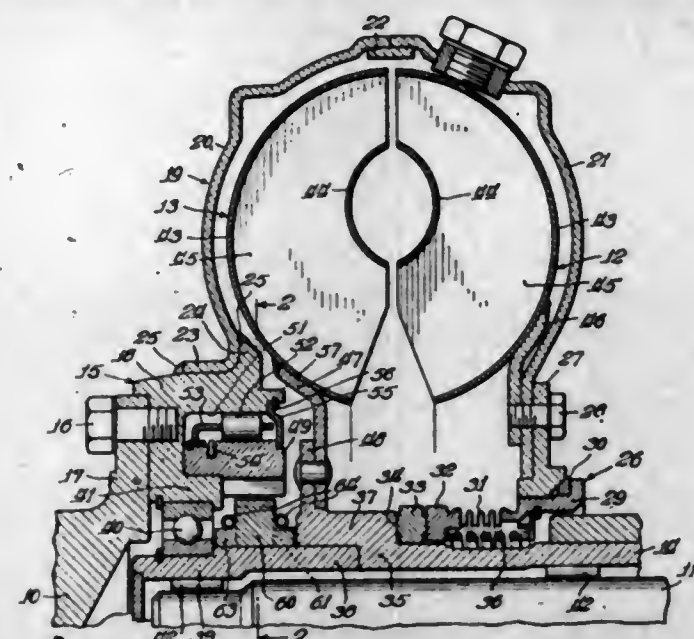
2,386,285

FLUID COUPLING

Reinhold C. Zeidler, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application July 24, 1941, Serial No. 403,841
25 Claims. (Cl. 192-3.2)

1. In a mechanism for transmitting torque from a driving to a driven member, means for

establishing a fluid drive between said members, means for establishing a positive drive from said driving member to said driven member along a

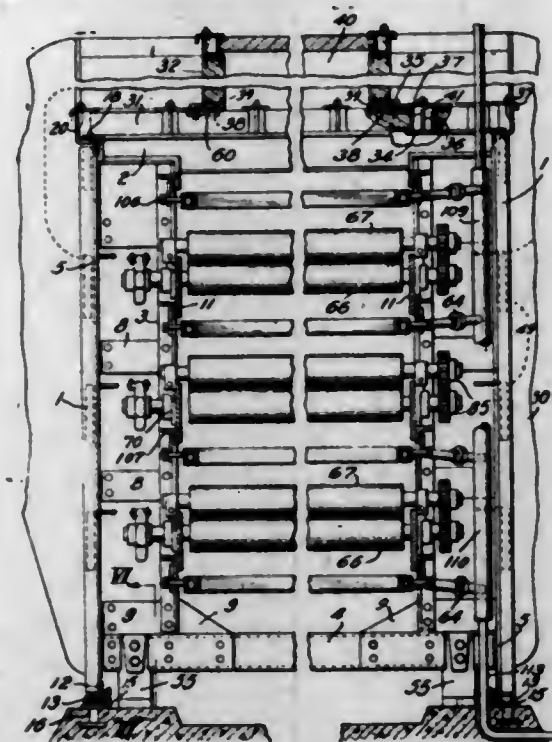


path parallel to the path of said fluid drive, said positive drive means comprising a positive clutch and a one way clutch in series.

2,386,286

ROLLER DRIER

Arthur H. Beckley, Jr., Portland, Oreg., assignor to The Moore Dry Kiln Company of Oregon, a corporation
Application March 2, 1942, Serial No. 432,954
8 Claims. (Cl. 34-205)



1. In a drier of the class described, a sectional drier frame operatively mounted on a drier foundation, said frame comprising vertical members on each side of said drier, horizontal members extending longitudinally at the top and bottom of each side of said frame, other vertical members connected with said horizontal members to form a door jamb, a plurality of apertured horizontal bearing supports extending longitudinally between the first named vertical members on each side of said frame, a plurality of decks of pairs of operatively mounted rolls each pair comprising top and bottom rolls, which are rotated in opposite directions to convey work through said drier, said decks of rolls being supported by said bearing supports, gudgeons with shafts mounted in the ends of said rolls, bearing housings for the gudgeon shafts of said bottom rolls, having guides for the shaft of said top rolls, permitting each of them to rotate about a variable axis, said bearing housings being detachably mounted on said bearing supports and

extending into said apertures heating coils in units, coil supporting members, one on each end of said coil, said coil supporting members having means for supporting each end of said heating coils, whereby said bearing housings, rolls, coil supports and coil units are individually demountable and removable from said drier between said door jams without removing said bearing supports.

2,386,287

PRODUCTION OF EMULSIONS OR COMPOSITIONS OF OR CONTAINING ORGANIC POLYSULPHIDES AND ARTICLES PRODUCED THEREFROM

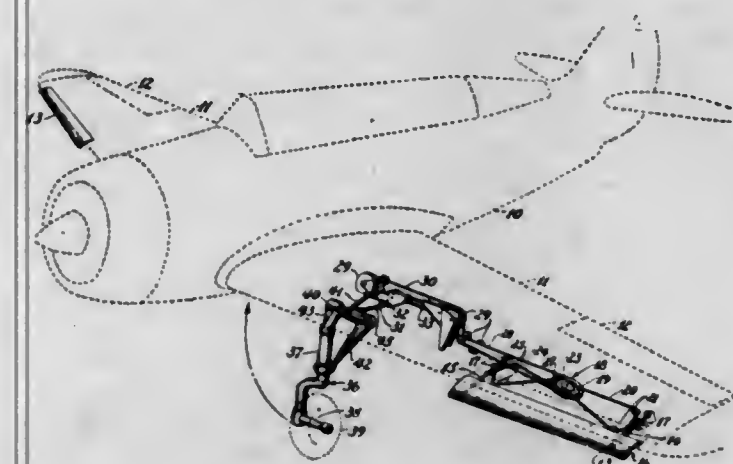
John Rodriguez Blanco, Wyld Green, Sutton Coldfield, Albert Edward Toney Neale, Erdington, Birmingham, and Douglas Frank Twiss, Sutton Coldfield, England, assignors to Dunlop Rubber Company Limited, London County, England, a British company
No Drawing. Application March 16, 1943, Serial No. 479,380. In Great Britain March 2, 1942
10 Claims. (Cl. 260-79)

7. A process for preparing improved emulsions of or containing organic polysulphides which comprises completely mixing an aqueous solution of an inorganic polysulphide with an aqueous emulsion of an aliphatic organic dihalogen compound and obtaining the reaction product in the form of a flocculate.

2,386,288

LANDING GEAR AND WING SLOT CONTROL

Raymond C. Blaylock, Kenmore, N. Y., assignor to Curtiss-Wright Corporation, a corporation
Application May 2, 1941, Serial No. 391,465
4 Claims. (Cl. 244-102)



1. In aircraft comprising a wing and a retractable landing gear, a slot forming movable auxiliary airfoil at the wing leading edge, and means interconnecting said airfoil and landing gear operable to effect concurrent extension of the landing gear and the airfoil to slot forming position and to effect concurrent retraction of the landing gear and the airfoil.

2,386,289

TREATMENT OF PENTAERYTHRITOL

Joseph E. Bludworth, Cumberland, and Samuel B. Jeffries, Long, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application February 16, 1943, Serial No. 476,048
4 Claims. (Cl. 260-637)

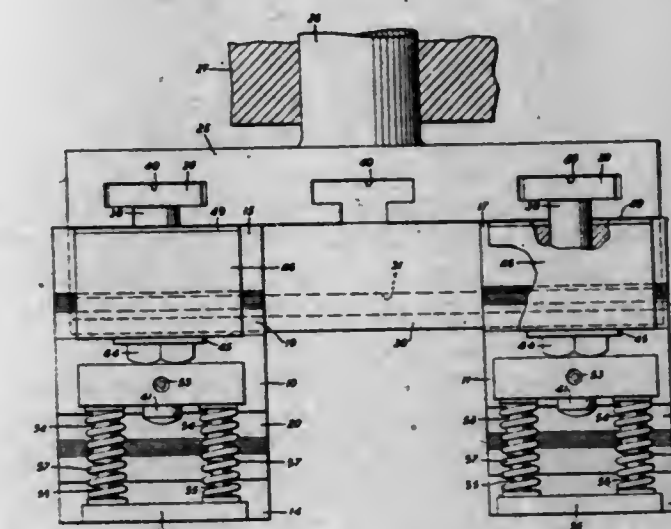
1. Process for the production of purified pentaerythritol, which comprises adding crude crystals of pentaerythritol to a hot, saturated aque-

ous solution thereof, agitating the resulting solution while maintaining it at an elevated temperature near the boiling point thereof and without effecting any substantial change in volume, and separating purified pentaerythritol crystals from the hot saturated solution.

2,386,290

TOOL

Percy E. Brooks, Wood-Ridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 10, 1944, Serial No. 525,881
8 Claims. (Cl. 164-118)

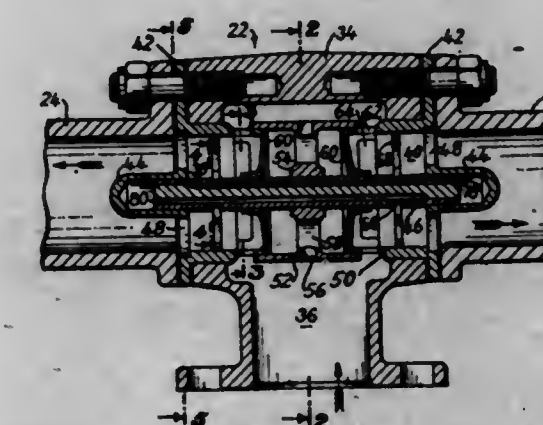


3. A variable tool comprising a material working element, a support therefor having surfaces lying in transverse planes, a unit adapted to secure the element to the support by forcing it into intimate engagement with the said surfaces, a material stripping unit supported by the clamping unit at one side of the element, and another stripping unit carried by the support at another side of the element.

2,386,291

EQUALIZING VALVE

Kenneth A. Browne, Ridgewood, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application January 29, 1943, Serial No. 474,019
9 Claims. (Cl. 137-166)

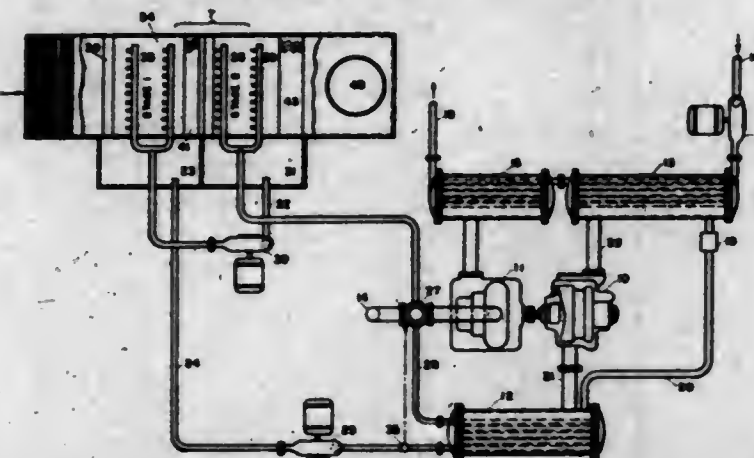


1. In a valve structure, a valve housing having a fluid inlet port and a pair of opposed outlet ports, a valve stem extending between said outlet ports and having each of its ends slidably fitted in a closed cylinder, a valve element mounted on said stem for controlling the division of flow through said outlet ports, a pair of baffle elements each mounted on said stem in respective outlet ports, and fluid passageways connecting each of said cylinders with the opposite outlet port.

2,386,292

DEHUMIDIFICATION METHOD AND MEANS
Willis H. Carrier, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware

Application April 10, 1941, Serial No. 387,948
4 Claims. (Cl. 62-176)



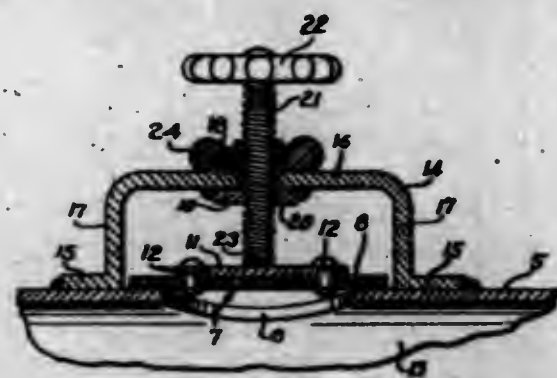
1. A method of treating air for use in a blast furnace wherein the condition of the air delivered to the furnace is regulated consisting in cooling the air from its entering condition to a predetermined final condition where it contains substantially 3 grains of moisture per cubic foot of air, accomplishing a preponderant percentage of desired cooling of the air in a first air treating stage, spraying water in said first stage, proportioning in said first stage the weight of air and weight of water spray to produce said preponderant percentage of desired air cooling, accomplishing said last mentioned step by spraying between one-half pound and one pound of water per bank of sprays per pound of air passing through said first stage, utilizing at least two banks of spray in said first stage, and accomplishing the balance of desired air cooling by passing the air from the sprays of the first stage to other sprays in a second stage.

2,386,293

ADJUSTABLE PRESSURE RELIEF VALVE

Ernest W. Clements, Kansas City, Kans., assignor to Andrew A. Kramer, Kansas City, Mo.

Application August 12, 1942, Serial No. 454,551
3 Claims. (Cl. 137-53)



1. A pressure relief valve for a chamber comprising a flap member of flexible sheet material having a lateral extension secured in fixed position to a wall of said chamber adjacent an opening therein, said valve having a substantially circular body portion overlapping said opening and seating face to face on the outer face of said wall adjacent said opening to seal said opening, a disk-like metal plate slightly smaller than said opening fixed substantially centrally to said body portion on the outer face thereof, a bracket fixed to said wall and having a transverse portion offset from said wall, a screw-threaded stem having means thereon for rotating the same, and means on said transverse portion of said bracket provid-

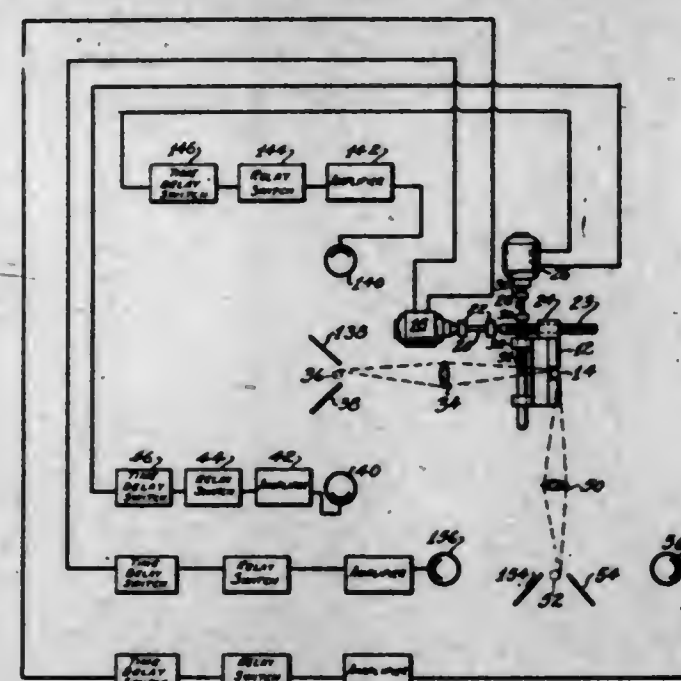
ing a screw-threaded connection between said stem and said bracket, said stem being adjustable to move the same into clamping engagement with said plate or into a predetermined spaced relation to said plate in the closing position of said valve to determine the amount said valve will be raised off its seat upon opening responsive to pressure in said chamber, said plate providing a weight for normally seating said valve, all parts of said valve lying externally of said chamber.

2,386,294

JET CONTROL

Harold T. Coss and Gale T. Pearce, Somerville, and George A. Downsborough, Princeton, N. J., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application March 17, 1942, Serial No. 435,116
14 Claims. (Cl. 83-91)

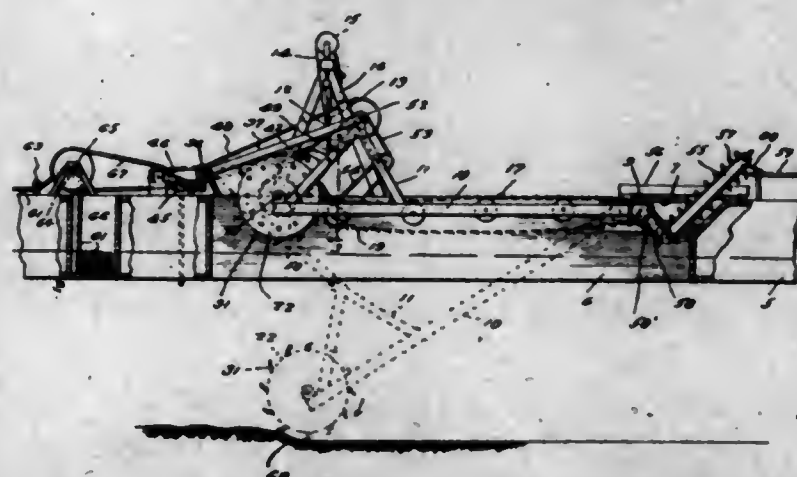


1. An apparatus comprising means for discharging a stream of molten material, a nozzle for projecting a fluid jet against said stream, means for adjusting the relative positions of said stream-discharging means and said nozzle, and means responsive to radiations from said stream for operating said adjusting means.

2,386,295

CLAM DREDGE

James W. Daniels, Fort Myers, Fla.
Application March 8, 1944, Serial No. 525,569
6 Claims. (Cl. 37-55)



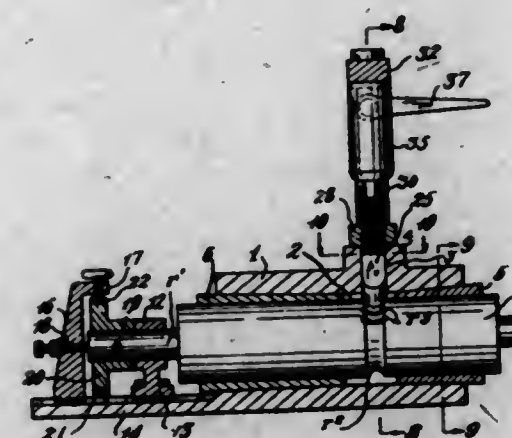
1. In a clam dredge, a scow provided with a longitudinal opening, vertically adjustable clam digging and elevating mechanisms operable through said opening, said elevating mechanism including an endless conveyor, and said digging mechanism including a rotary digging wheel arranged in front of and spaced from the forward end of said conveyor, said conveyor having an

endless conveying element provided with transverse pan-shaped flights, and a vibratory breaker grate centrally pivoted for oscillation about a horizontal axis and inclined rearwardly and downwardly from the rear upper portion of the digger wheel to the forward end of the conveyor, said digger wheel having spaced transverse rows of spaced digger teeth, and said breaker grate including spaced rods arranged to have their upper ends pass between the digger teeth, said breaker grate normally gravitating to a position with its upper end spaced from the digger wheel and its lower end in the path of the flights of the conveyor so that said flights will intermittently rock the breaker grate in a direction to move the upper end of the latter toward the digger wheel.

2,386,296

SWAGING APPARATUS

Fulvio De Fazi, New York, N. Y., assignor of one-half to Carlo De Fazi, Jamaica Plain, Mass.
Application June 4, 1943, Serial No. 489,662
6 Claims. (Cl. 76-4)



1. In swaging apparatus for producing indentations in the walls of the circumferential grooves of forming rolls, a body having a work receiving cavity somewhat greater in diameter than the roll and wherein the roll is adapted to be positioned, the cavity opening through the end of the body, a split bushing fitting about the roll and within the cavity for centering the roll in the cavity, the body being provided with a guideway that opens into said cavity, a hob guided therein for operation upon the roll, the roll being positioned with its groove in radial alignment with the hob, and means for imposing pressure upon the hob.

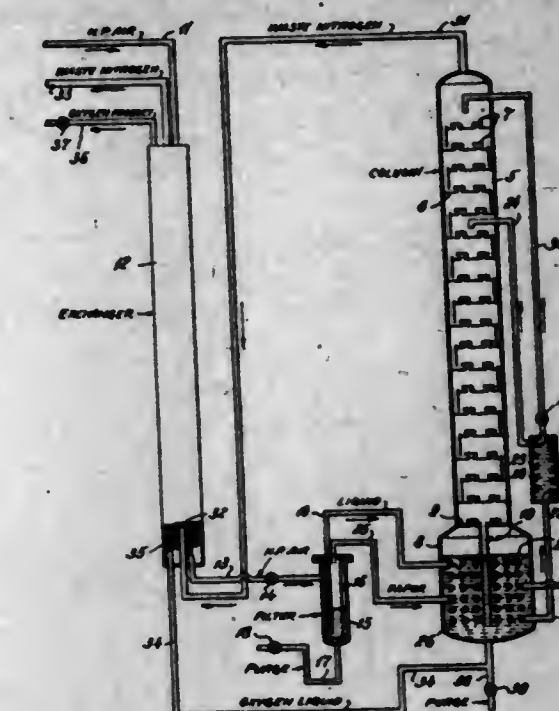
2,386,297

SEPARATION OF THE CONSTITUENTS OF GASEOUS MIXTURES BY LIQUEFACTION AND RECTIFICATION

Wolcott Dennis, Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application October 7, 1943, Serial No. 505,292
10 Claims. (Cl. 62-175.5)

9. In an apparatus for separating the constituents of gaseous mixtures, a heat exchanger wherein the entering gaseous mixture is partially liquefied, means capable of withstanding pressures of approximately 9 to 10 atmospheres for segregating the liquid and gaseous phases, a rectification column having a vaporizer, means in the vaporizer to effect heat exchange and liquefaction of the vapor phase with a liquid product of the separation and means for delivering the seg-

regated liquid phase and the liquefied vapor phase to different levels of the rectification column, the



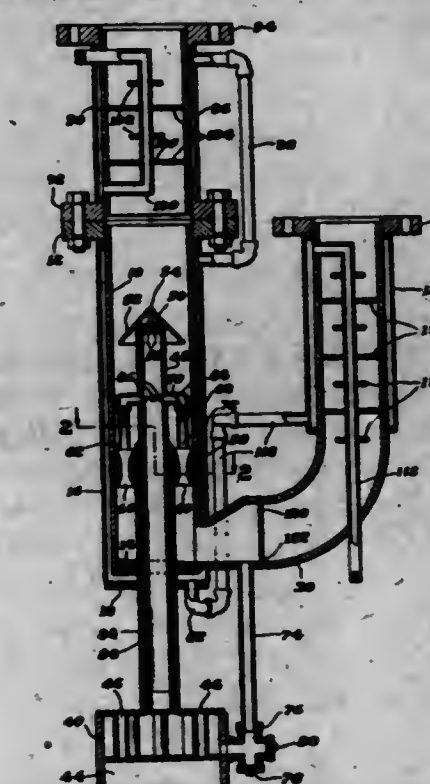
liquefied vapor phase being delivered at the higher level.

2,386,298

DIFFUSION PUMP

James R. O. Downing and William B. Humes, Boston, Mass., assignors to National Research Corporation, Boston, Mass., a corporation of Massachusetts

Application January 30, 1943, Serial No. 474,134
6 Claims. (Cl. 230-101)

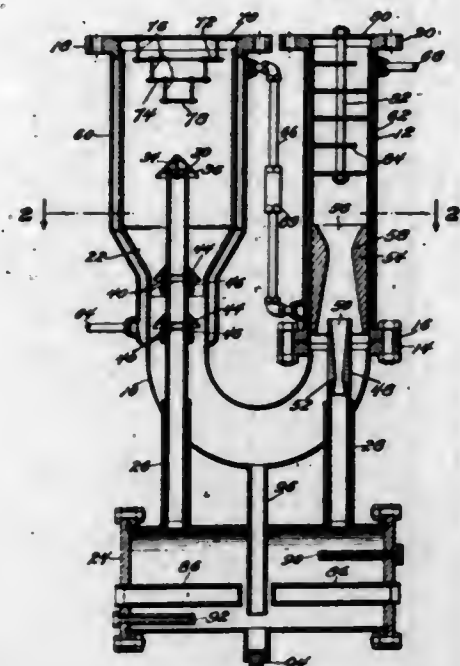


1. A diffusion pump having, in combination, conduit means forming a pumping chamber having a first end portion adapted for connection to a system to be evacuated and a second end portion adapted for connection to a pressure reducing means, said chamber comprising at least one passage for the flow of vapors from said first end portion to said second end portion of the chamber of restricted cross-section relative to said first end portion of the chamber, a first jet for discharging pumping vapors into said first end of the chamber, a second jet for discharging pumping vapors into said chamber comprising a plurality of vapor ducts within said first end portion of the chamber arranged in laterally spaced relation about the axis of the chamber and providing openings therebetween through said jet, each said duct provided with a nozzle for directing vapors therefrom into the mouth of a said passage, and means for supplying pumping vapors to both of said jets.

2,386,299

DIFFUSION PUMP

James R. O. Downing, Boston, Mass., assignor to National Research Corporation, Boston, Mass., a corporation of Massachusetts
Application July 3, 1944, Serial No. 543,289
7 Claims. (Cl. 230-101)

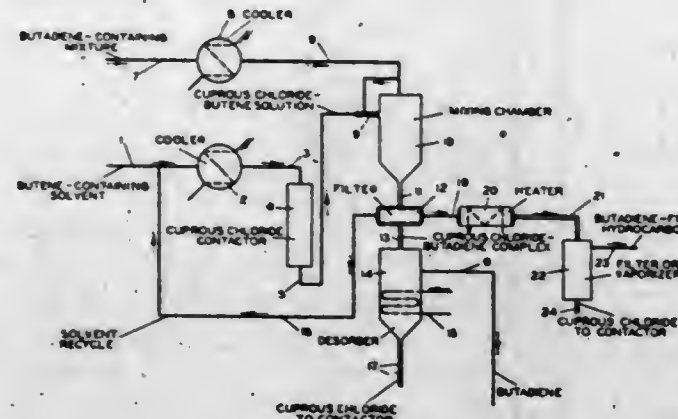


1. In a diffusion pump, the combination of means forming a pumping passage, jet means for diffusing pumping vapor into said passage, a boiler, means for conducting a pumping vapor from said boiler to said jet means, means for heating a liquid in said boiler to supply pumping vapor to said conducting means, and thermostatic control means interposed in the path of flow of said pumping vapors to said jet and connected to said heating means to regulate the heating of said liquid by said heating means in response to changing temperatures of said vapor.

2,386,300

PROCESS FOR TREATING HYDROCARBONS

Harry E. Drennan and Walter A. Schulze, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application November 7, 1941, Serial No. 418,262
12 Claims. (Cl. 260-681.5)

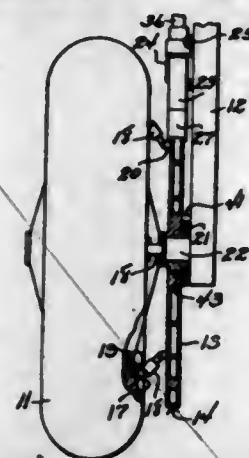


1. A process for separating diolefins from a mixture containing the same which comprises contacting an olefin-containing liquid with a cuprous halide in a first zone to form a solution of said cuprous halide, contacting said solution in a subsequent zone with a diolefin-containing mixture to separate diolefins as an insoluble addition compound with the cuprous halide, separating said addition compound from the diolefin-free olefin-containing liquid, recovering diolefins from said addition compound, and recycling to said first zone a portion of said diolefin-free olefin-containing liquid as solvent.

2,386,301

MECHANISM FOR ACCELERATING THE WHEELS OF THE LANDING GEAR OF AN AIRPLANE

Earl Hamilton Duke and John Lee Wait, Jr., Houston, Tex.
Application August 14, 1943, Serial No. 498,636
2 Claims. (Cl. 244-103)



1. Means for rotating the resilient landing wheels of airplanes prior to the contact of such wheels with the ground, comprising a disk arranged adjacent to and concentric with each landing wheel and each having tangentially disposed pockets in its periphery, each pocket formed with an inclined wall and an arcuate abutment wall, resilient braces connecting each disk with each wheel and each brace including a vented cylinder and a piston therein, the cylinder being connected to the wheel and the piston to the disc, and compressed air means for driving the discs, said means including a nozzle device formed to project compressed air into multiple consecutive pockets simultaneously.

2,386,302

ALUMINUM BASE ALLOY

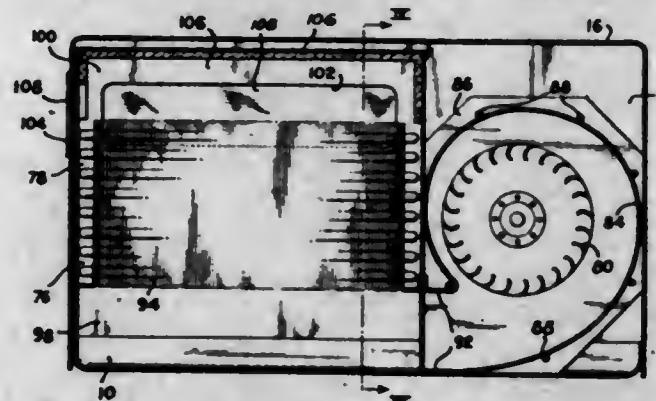
La Verne W. Eastwood, University Heights, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 24, 1942, Serial No. 470,095
3 Claims. (Cl. 75-142)

1. A nickel-free aluminum base alloy containing from 3.0 to 5.0 per cent copper, 1.0 to 2.0 per cent magnesium, 1.5 to 3.0 per cent iron, less than 0.5 per cent silicon impurity, and the balance substantially aluminum, said alloy being characterized by a relatively high tensile strength and resistance to fatigue at elevated temperatures.

2,386,303

AIR CONDITIONING APPARATUS

Arthur H. Eberhart, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 21, 1944, Serial No. 523,241
3 Claims. (Cl. 257-39)



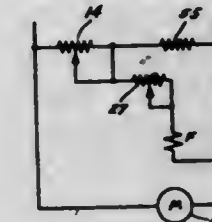
3. In an air conditioning unit including an inner portion adapted to project into the room the

air of which is to be conditioned and an outer portion adapted to project into the atmosphere, means dividing said outer portion into a fan chamber and a condenser chamber, a condenser disposed in said condenser chamber in spaced relation to the top and bottom thereof whereby a first air-receiving space is formed above, and a second air-receiving space is formed below, said condenser, a fan disposed in said fan chamber with the outlet of said fan discharging air in a horizontal direction directly into one of said spaces, there being an opening in a vertical wall of said condenser chamber for discharging air in a horizontal direction from the other of said spaces to the atmosphere, and a lining of sound-deadening material for a wall of said other space.

2,386,304

MOTOR CONTROL DEVICE

Robert S. Elbert, Jr., Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa.
Original application October 17, 1940, Serial No. 361,535. Divided and this application June 3, 1942, Serial No. 445,618
4 Claims. (Cl. 172-239)

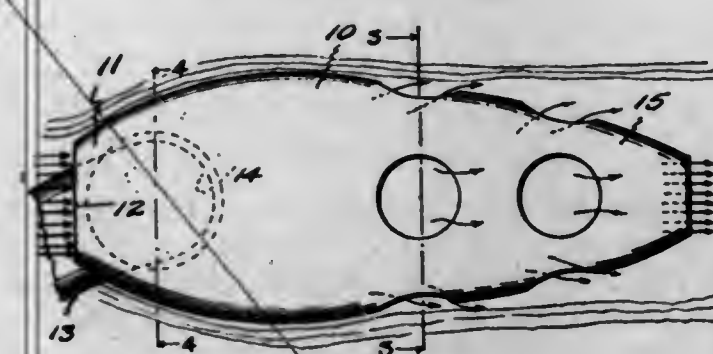


4. In a speed control mechanism an electric circuit including a shunt motor, a motor field winding, a source of power for said motor, an adjustable resistance in circuit with said field winding for selecting any of a plurality of motor speeds, a second adjustable resistance for adjusting said motor speed relative to said selected speed and means to maintain a fixed percentage of speed change for a given change of resistance by regulating the effective rate of change of the total field resistance including a bleeder resistance in parallel with the motor field and one of said adjustable resistances and in series with the other of said adjustable resistances.

2,386,305

VACUUM TYPE EXHAUST MUFFLER

Alton D. Flickinger, Inglewood, Calif.
Application March 14, 1944, Serial No. 526,446
1 Claim. (Cl. 181-43)



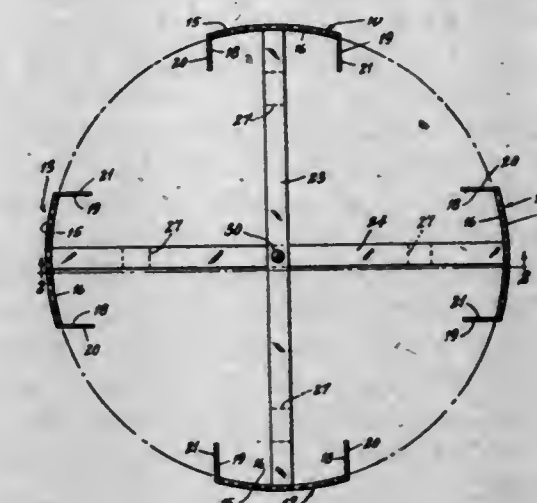
A muffler of the class described comprising a one-piece stream-line body, said body having a lateral exhaust gas entrance port near its forward portion, said body being gradually enlarged in its transverse area from the forward portion to a point intermediate the ends of the body to provide a relatively large midway portion, said

body tapering toward the rear end thereof, said body having a plurality of vacuum ports in the tapering rear portion, said ports being located in an area of the body smaller in its transverse dimension than said midway portion to cause gases to be drawn by vacuum pull through said vacuum ports as the muffler is carried in a forward direction to cause a vacuum pull of the air rushing exteriorly and longitudinally of the body, and said body having forward and rear centrally located air inlet and outlet ports.

2,386,306

BASE CONSTRUCTION

Robert E. Gardiner, University City, Mo., assignor to Majestic Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application November 29, 1943, Serial No. 512,267
8 Claims. (Cl. 248-150)

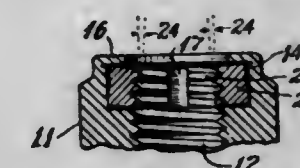


1. A base construction including means to engage a floor or the like formed from sheet material including a main body portion, the upper part thereof being folded down to overlap the main portion thereof, the lower part being folded up to overlap the main portion thereof, and strut means secured to said floor engaging means and extending transversely of said main body portion thereof.

2,386,307

STOP NUT

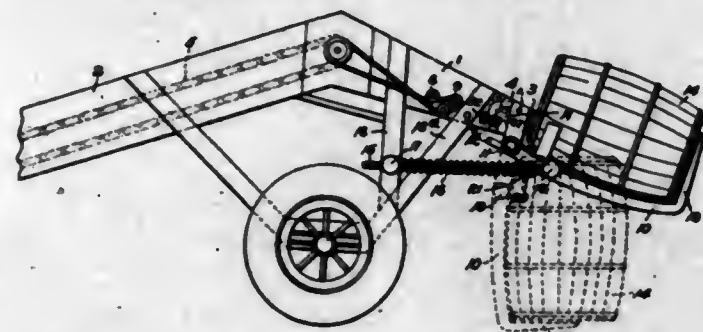
Eugene M. Giles, Western Springs, Ill., assignor to William D. Kelly, Western Springs, Ill.
Application September 9, 1943, Serial No. 501,623
8 Claims. (Cl. 151-30)



1. A nut assembly or the like of the class described having an opening therethrough internally threaded to screw on a threaded stem, said internal threading including a non-displaceable portion and an adjoining displaceable portion which is relatively non-rotatable and forms a continuation of the non-displaceable portion, said non-rotatable portion comprising an internally threaded split ring twistable in planes transverse to its circumferential length and having portions of the internal threaded area thereof disposed angularly to the axis of the opening and said split ring being twistably displaceable to dispose said angularly disposed portions of the threaded area in parallelism with said axis by a threaded stem engaged through said opening.

2,386,308 PACKING MEANS FOR HARVESTED VEGETABLES

Edward S. Gorton, Mobile, Ala.
Original application September 29, 1942, Serial
No. 460,104. Divided and this application Octo-
ber 16, 1943, Serial No. 506,527
6 Claims. (Cl. 226-61)



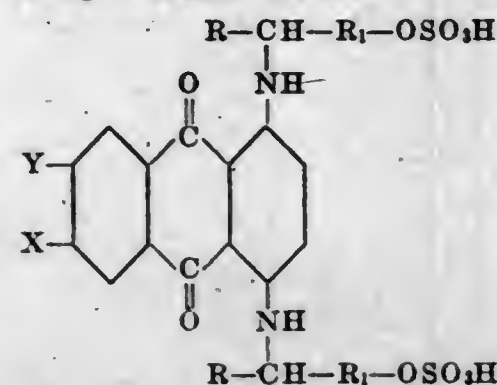
2. In a machine for packing vegetables into containers, the combination of two members each presenting a seat for the bottom of a container such as a barrel and an arm extending upwardly from said seat to engage the side of the container, each arm being pivoted near its upper end to swing the container from a sloping position toward a generally upright position in response to gravity as the container is loaded, and instrumentalities to cause vegetables to be delivered to one or the other of the containers, said instrumentalities including a stream shifter, and mechanism operated by tilting of each member to cause said stream shifter to shift the stream of vegetables to the container on the other member.

2,386,309 ANTHRAQUINONE COMPOUNDS AND A PROCESS FOR THEIR MANUFACTURE

Ernst Gutzwiller, Basel, Switzerland, assignor to
Sandoz Ltd., Fribourg, Switzerland, a Swiss
firm

No Drawing. Application November 29, 1943,
Serial No. 512,243. In Switzerland December
24, 1942

4 Claims. (Cl. 260-379)
1. New water-soluble anthraquinone com-
pounds of the general formula



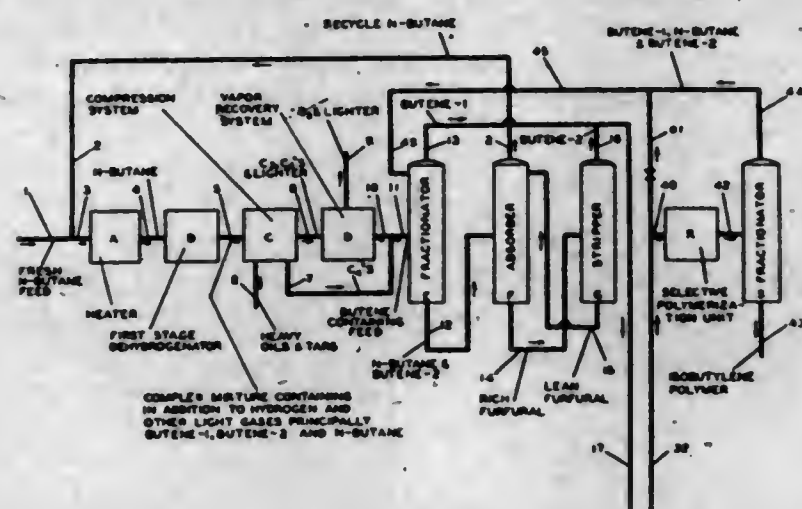
wherein R stands for alkyl, R₁ stands for alkylene, X stands for halogen and Y stands for a member selected from the group consisting of halogen and hydrogen, which dyestuffs dye wool, silk and nylon in brilliant blue shades being fast to light and not changing to red in artificial light.

2,386,310 BUTADIENE PRODUCTION

Karl H. Hachmuth, Bartlesville, Okla., assignor to
Phillips Petroleum Company, a corporation of
Delaware
Application March 31, 1943, Serial No. 481,305
11 Claims. (Cl. 260-680)

1. A process for the manufacture of butadiene from normal butane which comprises catalytical-

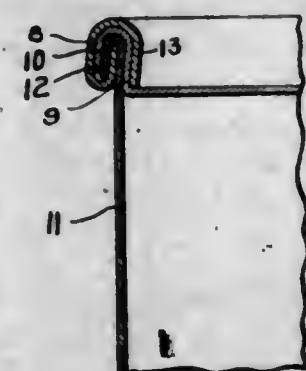
ly dehydrogenating normal butane to normal butene in a first stage dehydrogenation, subjecting the C₄ hydrocarbon content of the resulting effluent to fractional distillation in a fractionator to remove the butene-1 content thereof as an overhead product from a bottoms product containing the n-butane and butene-2 content thereof, subjecting the resulting mixture of n-butane and butene-2 to extractive distillation with a solvent which dissolves butene-2 in preference to n-butane to selectively dissolve the butene-2 content thereof while allowing the n-butane content



thereof to pass through undissolved and stripping the dissolved butene-2 from the rich solvent, recycling the overhead from said extractive distillation step and composed principally of n-butane to said first stage dehydrogenation, combining the butene-1 separated by said fractional distillation step with the butene-2 separated by said extractive distillation and stripping steps to give a second stage dehydrogenation feed, catalytically dehydrogenating said combined butene-1 and butene-2 to butadiene in a second stage dehydrogenation, and recovering butadiene from the effluent of said second stage dehydrogenation.

2,386,311 METHOD OF MAKING AND ATTACHING DRUM CHIMES AND HEADS

William I. Hanrahan, Bronxville, N. Y., assignor, by mesne assignments, to United States Steel Products Company, Sharon, Pa., a corporation of Delaware
Application May 14, 1943, Serial No. 486,994
2 Claims. (Cl. 113-121)

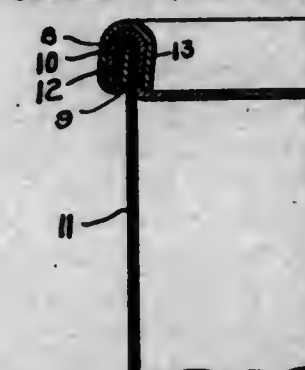


1. A method of providing a closure for a metallic drum consisting in stamping out of sheet metal a circular shaped blank, pressing the circular shaped blank into a cup shaped closure which has a circular flat portion of the proper size to provide a closure for the drum, and so that it has an outwardly inclined side wall, and a horizontally extending flange at its upper edge adapted to fit over a previously provided flange at the upper edge of the drum, then forming a chime ring from a flat piece of metal with its lower edge circumference less than the circumference of its upper edge and so that said ring will overlap the side wall of the cup shaped clo-

sure body, then bending the metal of the upper edge of the ring to form a horizontally extending flange adapted to fit over the flange of the closure body, said flange being of a greater width than the flange formed on the cup shaped closure body, bending the extended portion of the flange of the chime ring over and around the flanges of the cup shaped closure body and the drum, bending the flanged portions of the cup shaped closure body, chime ring and drum together against the side wall of the drum to form a rounded reinforced top edge for the drum, said last bending being carried to the point whereby the side wall of the drum is distorted inwardly to engage the side wall of the closure body and the side walls of the closure body and chime ring are bent outwardly to place the members in intimate contact and to effect a liquidtight seal.

2,386,312 DRUM CHIME AND HEAD

William I. Hanrahan, Bronxville, N. Y., assignor to United States Steel Products Company, Sharon, Pa., a corporation of Delaware
Original application May 14, 1943, Serial No. 486,994. Divided and this application October 14, 1943, Serial No. 506,134
1 Claim. (Cl. 220-67)



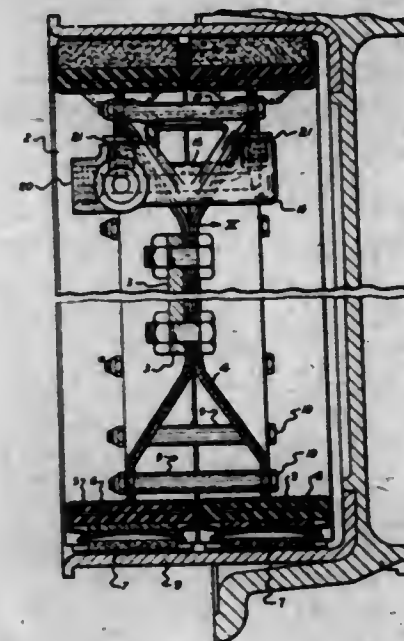
In a drum construction, the combination of a drum body having an outwardly extending flange at its upper open end, a drum head for closing the open end of the drum having a cup-shaped body with an angularly extending side wall and an outwardly extending flange at its upper edge which overlaps the drum flange, a chime ring fitted against the inner face of the side wall of the drum head and having an outwardly extending flange at its upper edge which is wider than the drum head flange and which overlaps the drum head flange, the outer end of the said flanged portion of the chime ring being bent around the outer ends of the drum and drum head flanges, and the bent portion of the flange of the chime ring and the flanges of the drum head and drum being bent into interlocking relation with respect to each other, and the chime ring and the angularly extending side wall of the cup-shaped drum head being pressed against the wall of the drum, and so as to distort said wall inwardly.

2,386,313 SPACER

Charles Hollerith, Jackson, Mich., assignor to Hayes Industries, Inc., Jackson, Mich., a corporation of Michigan
Application June 17, 1943, Serial No. 491,176
5 Claims. (Cl. 188-152)

1. In a brake construction, a pair of adjacent rims each having an expander tube associated therewith, a torque flange structure supporting each of said rims, said torque flange structures being spaced at their outer portions and in juxtaposition at their inner portions and separate means for spacing and supporting said structures

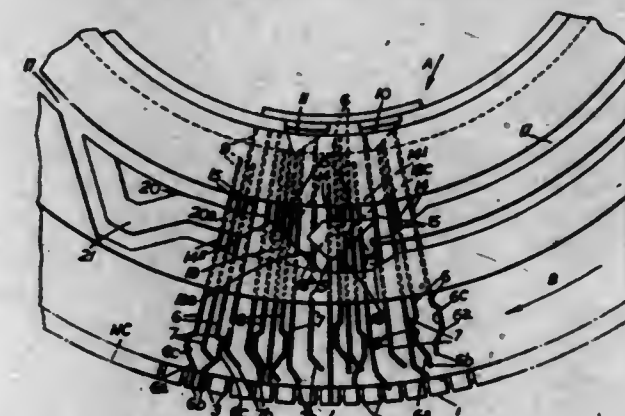
in fixed spaced relation at their outer portions, said means having an integral member having a spacing portion for said structures to which said



structures are secured and a nozzle portion for distributing fluid from a source to each of said tubes for expanding said tubes.

2,386,314 CIRCULAR KNITTING MACHINE

Henry Harold Holmes and John Cyril Herbert Hurd, Leicester, England, assignors to Wildt and Company Limited, Leicester, England, a British company
Application July 17, 1943, Serial No. 495,148
In Great Britain July 27, 1942
10 Claims. (Cl. 66-14)



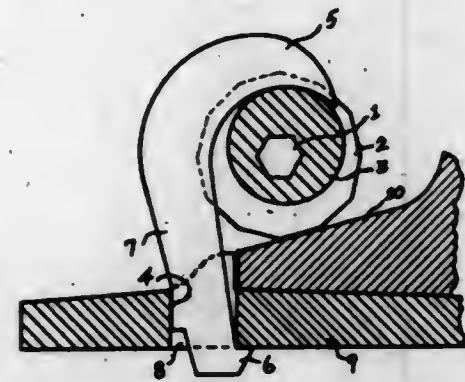
1. In a circular knitting machine, in combination, a grooved bed, independently movable pelerine instruments prearranged in said bed, lap thread guides also prearranged in the bed together with the pelerine instruments, said instruments and guides having patterning butts which are divided into separate primary and secondary groups, means for action selectively upon the primary butts to effect a general selection amongst all of the pelerine instruments and lap thread guides, and means for thereafter co-operating with the secondary butts suchwise that selected pelerine instruments are restored to their original inoperative positions, thereby leaving the selected lap thread guides to be operated as required.

2,386,315 ADJUSTABLE RESILIENT RAIL FASTENING

Frederick W. Holstein, Westfield, N. J., assignor to The Rails Company, New Haven, Conn., a corporation of Connecticut
Application August 2, 1943, Serial No. 496,997
4 Claims. (Cl. 238-349)

1. In combination with a rail and the usual rail support including a tie and a tieplate fas-

tened to the tie and provided with the usual spike opening adjacent an edge of the rail base, a rail fastener comprising a resilient member of rail spike width positioned in said spike opening and at its lower end hooked beneath said support and at its upper end hooked over said rail base, and a rotatable one-piece cam device positioned on said rail base between the upper hooked end of



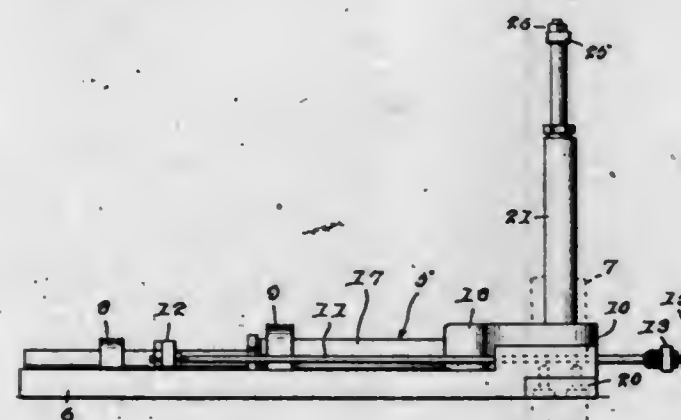
said resilient member and the upper surface of said rail base and interlocked with said hooked upper end of said resilient member to prevent longitudinal movement of said cam device, and means to facilitate rotation of said cam device to put said resilient member under tension and yieldingly press said rail and rail support together.

2,386,316

HYDRAULIC PUMP JACK

Armon Jaynes and Thomas W. Bragg,
Gainesville, Tex.

Application December 23, 1941, Serial No. 424,202
1 Claim. (Cl. 60—54.5)



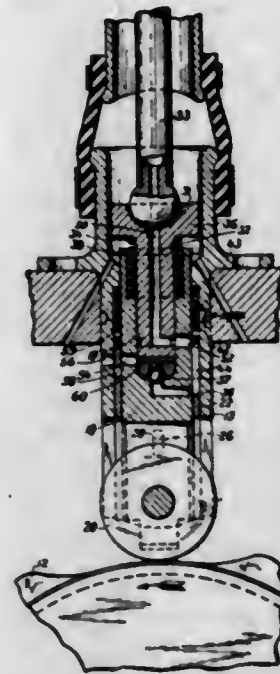
In a hydraulic jack designed to fit about a well casing and be moved to various operative positions in a circle about the well casing, a horizontal movable supporting frame, a plurality of associated pumping parts carried by and arranged for horizontal movement on the frame and including horizontal slide bars journaled on the frame and connected with a source of power, a horizontal plunger on the slide bars, a horizontal cylinder carried by the frame within which the plunger operates, said frame having spaced side members the ends of the side members adjacent the cylinder having enlarged portions, a Y-shaped head on the cylinder formed with blocks attached to the side members of the frame beneath the enlarged portions and designed to go about a well casing, said head having passages leading to its ends from the cylinder, and vertically positioned cylinders on the ends of the heads communicating with the passages and having pistons connected to the ends of a cross-bar of a polish rod extending into a well casing.

2,386,317

HYDRAULIC TAPPET

Robert W. Jenny, New Milford, and Hugo E. Gille,
Jersey City, N. J., assignors to Wright Aero-
nautical Corporation, a corporation of New
York

Application August 10, 1942, Serial No. 454,340
8 Claims. (Cl. 123—90)



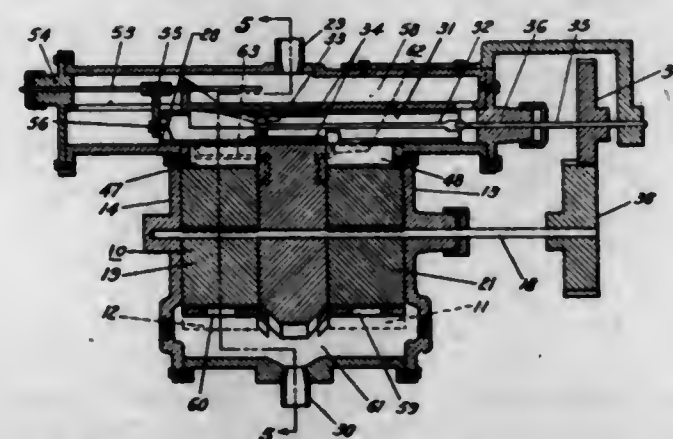
1. In an engine valve operating mechanism, a valve tappet assembly extendible under hydraulic pressure comprising a hollow valve tappet closed at one end and having a slidable piston therein and extending from the other end thereof, a check valve arranged to admit hydraulic pressure fluid into said hollow tappet to extend said piston and to prevent the escape of said pressure fluid from said tappet, a drain passage for said hollow tappet, a reciprocable sleeve surrounding said tappet and normally positioned to close said drain passage, and means to reciprocate said sleeve relative to said tappet and piston after each actuation of the valve tappet to cause said sleeve to momentarily open said tappet drain passage.

2,386,318

ROTARY STEAM ENGINE

Oluf F. Jensen, Council Bluffs, Iowa

Application September 25, 1942, Serial No. 459,703
3 Claims. (Cl. 121—70)



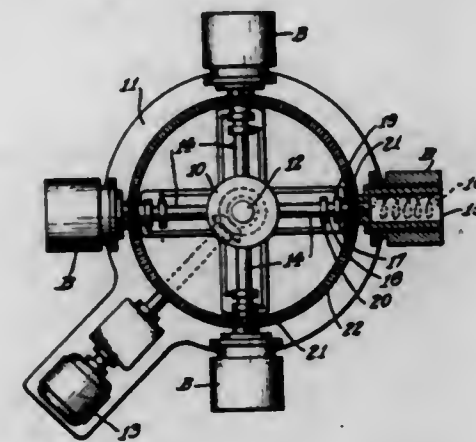
1. In a rotary steam engine, a housing having overlapping cylinders therein and rotors disposed within the cylinders, a valve casing positioned above the rotors, a valve sleeve rotatably and longitudinally slidably positioned in said casing, a pair of valve ports within the valve casing, one edge of said ports being parallel in relation to said casing, a pair of openings within the valve

sleeve, one edge of said opening being parallel to the said sleeve, small openings within the valve casing adjacent to the parallel edges of the valve ports, conduits extending from said opening to a position within the cylinders adjacent to the rotors, the valve sleeve being so positioned that the parallel edges of the openings therein will permit steam to enter through the aforementioned conduits before permitting it to enter through the valve ports when the said valve is rotated.

2,386,319

APPARATUS FOR TESTING BONDS IN LAMINATED METALLIC ARTICLES

Halex Johnson, Massapequa, N. Y., assignor to
Fairchild Engine and Airplane Corporation,
Farmingdale, N. Y., a corporation of Maryland
Application January 13, 1943, Serial No. 472,190
6 Claims. (Cl. 73—15)



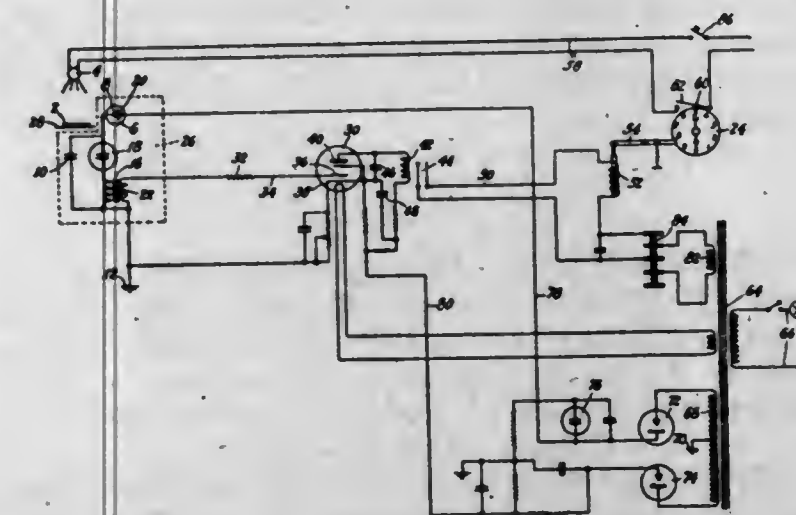
2. An apparatus for testing the bonds between the barrels and the muffs of cylinders, comprising a rotatable member, a plurality of cylindrical fixtures rotatably mounted on said rotatable member adapted to receive said cylinders, means for rotating the fixtures, and means for heating said fixtures uniformly.

2,386,320

EXPOSURE METER

Hermann Kott, West Orange, N. J., assignor to
Alco-Gravure Division of Publication Corpora-
tion, New York, N. Y., a corporation of New
York

Application March 24, 1943, Serial No. 480,280
2 Claims. (Cl. 250—41.5)



1. An integrating device for controlling the operation of a light source comprising a photo-electric cell having an anode and a cathode, means for supplying electrical energy to said cell, a high inductance and resistance transformer having primary and secondary windings, a condenser, means electrically connecting said

anode to one side of said condenser and one end of said primary winding to the opposite side of said condenser to charge said condenser in response to light falling on said tube from said light source, means connecting the opposite end of said primary winding to said anode through said glow discharge tube whereby said condenser discharges through said tube and said primary winding when a predetermined potential has been built up across said condenser, a grid control rectifier tube, means including a high value resistance connecting the grid of said rectifier tube to said secondary winding, and timing switch means responsive to impulses from said rectifier tube produced by discharge from said condenser for deenergizing said light source.

2,386,321

RESINOUS PRODUCTS AND PROCESS OF MAKING THEM

John W. Kroeger and Harry F. O'Connor, Phila-
delphia, Pa., assignors to Fred'k H. Levey Co.,
Inc., New York, N. Y., a corporation of New York
No Drawing. Application January 6, 1943,
Serial No. 471,488
8 Claims. (Cl. 260—24)

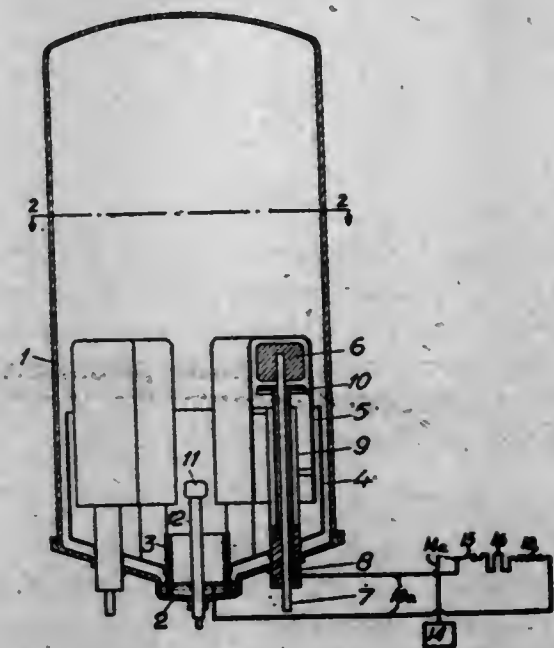
1. A resin consisting of the reaction product of a resinous compound from the class consisting of natural resins having acid numbers between 100 and 200, the glycerol esters and the calcium and zinc salts of such resins at a temperature of 390° F. to 600° F. with from 3% to 40% by weight of a liquid product separately prepared by condensing a lower saturated aliphatic ketone and an aldehyde from the class consisting of the straight chain lower aliphatic aldehydes and furfural.

2,386,322

METHOD AND MEANS FOR OPERATING VAPOR IONIC VALVES FOR CURRENT CONVERSION

Uno Lamm and Jan Plöen, Ludvika, Sweden, as-
signors to Allmänna Svenska Elektriska Aktie-
bolaget, Vasteras, Sweden, a corporation of
Sweden

Application January 6, 1943, Serial No. 471,446
In Sweden January 9, 1942
5 Claims. (Cl. 315—112)



1. The method of operating a vapor ionic valve serving current converting purposes of the type including a valve vessel, anode sleeves, a cathode, and a screen inside said vessel surrounding part of said anode sleeves and the spaces between them and the cathode, which comprises heating the in-

terior of said anode sleeves by a heating source active therein during a certain period of no load of the converter before the load is turned on and maintaining at the same time an arc spot on the cathode.

2,386,323

METHOD FOR ACCELERATING THE ALKALINE DE-ESTERIFICATION OF PECTIN

Hans Lineweaver and Rolland M. McCready, Berkeley, Calif., assignors to the United States of America as represented by Claude E. Wickard, Secretary of Agriculture, and his successors
No Drawing. Application March 13, 1944, Serial No. 526,308

8 Claims. (Cl. 260—209.5)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

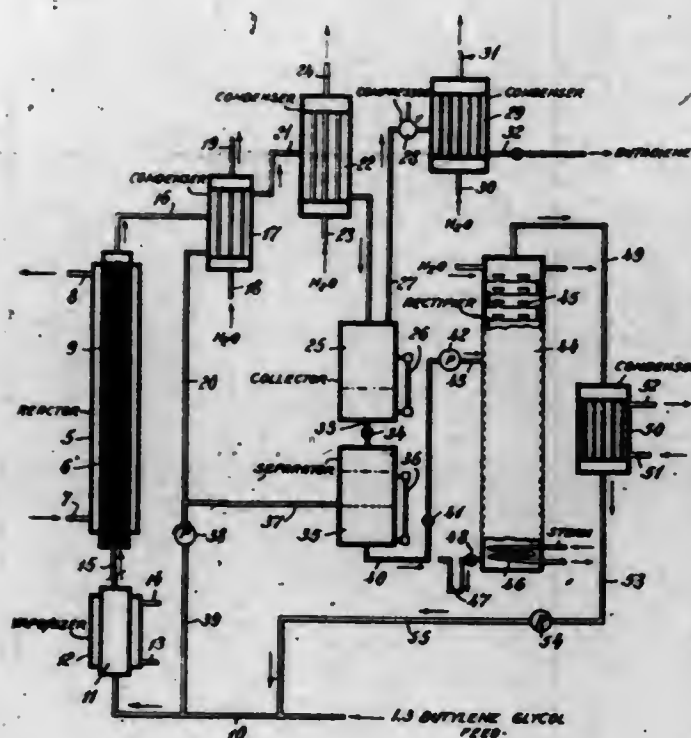
1. In the alkaline de-esterification of pectin materials, the step which comprises adding an ionizable salt selected from the group consisting of alkali metal, alkaline earth metal and ammonia salts to the reaction mixture.

2,386,324

PRODUCTION OF BUTADIENE

Arthur E. Lorch, Tenaflly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application April 16, 1943, Serial No. 483,343

1 Claim. (Cl. 260—681)



The method of dehydrating 1,3-butylene glycol to produce 1,3-butadiene which comprises passing the glycol in the vapor phase over a catalyst body consisting of ammonium phosphate on an inert support composed essentially of silica in the form of calcined diatomaceous earth.

2,386,325

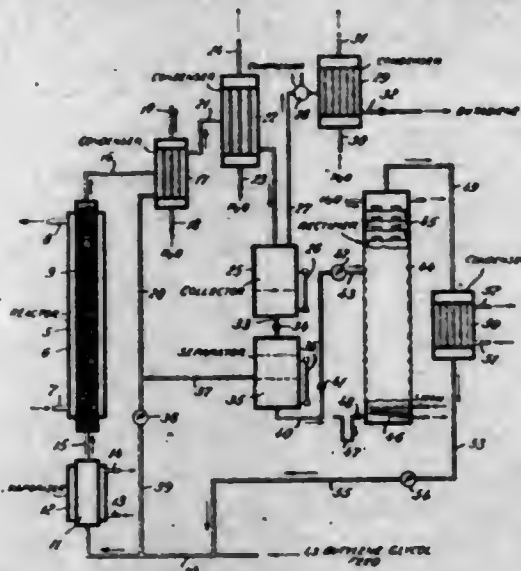
PRODUCTION OF BUTADIENE

Arthur E. Lorch, Tenaflly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Original application April 16, 1943, Serial No. 483,343. Divided and this application January 25, 1945, Serial No. 574,609

1 Claim. (Cl. 260—681)

The method of dehydrating 1,3-butylene glycol to produce 1,3-butadiene which comprises

passing the glycol in the vapor phase over a catalyst body consisting of ammonium phosphate



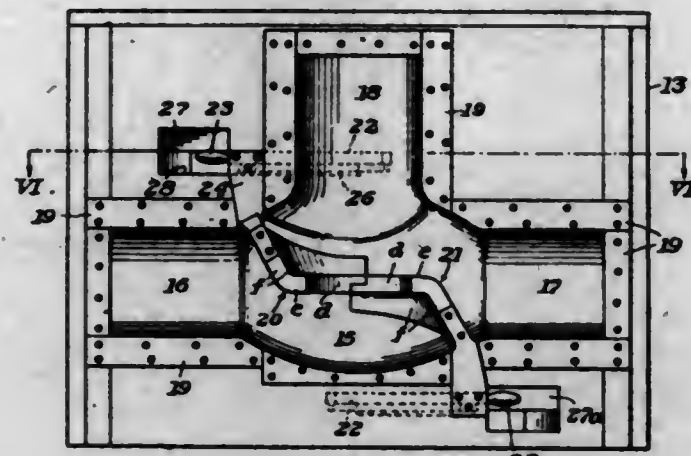
on an inert support composed essentially of silica in the form of feldspar-bonded silica.

2,386,326

CORE BOX

John W. Lowther, Pittsburgh, Pa., assignor to Kerotest Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 31, 1944, Serial No. 528,877

7 Claims. (Cl. 22—13)



6. A core-box or mold including a matrix, a molding element in the form of a segment of a shell of circular transverse section, an arcuate guide axially spaced from but concentric with the axis of revolution of the shell, means for rigidly securing said arcuate guide to said shell, and a guide-way in the core-box to receive said guide, with the molding element supported in said matrix, said guide being movable along said guide-way in a curved path that is concentric with said axis to remove the molding element from the matrix.

2,386,327

INSULATION STRIPPING PLIERS

Samuel M. Martin, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 27, 1943, Serial No. 480,877

1 Claim. (Cl. 81—9.5)

In insulation stripping tool, which comprises a pair of relatively pivoted plier members, elements positioned transversely on each of the plier members and extending laterally toward the longitudinal axis of the tool, each of the elements having a continuous cutting edge including an arcuate portion and straight portions on each side of the arcuate portion, and a wide, flat projection extending laterally from one of the plier members and crossing said longitudinal

axis, said projection being positioned a predetermined distance from the cutting edges to permit



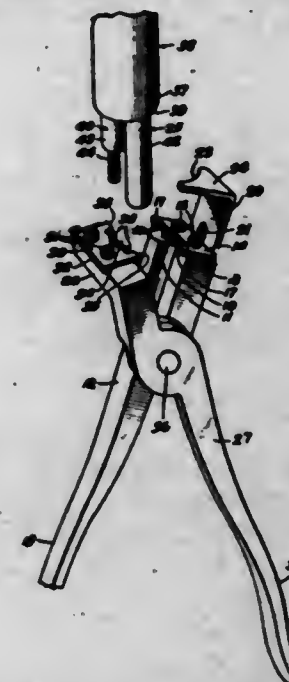
the insertion of an insulated conductor between the cutting edges only a predetermined distance.

2,386,328

INSULATION CUTTING TOOL

James N. Rollings, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 27, 1943, Serial No. 480,878

2 Claims. (Cl. 81—9.5)



1. A wire stripping tool comprising a pair of jaws having complementary semicylindrical grooves therein, a pair of stripping blades removably secured to the jaws and having arcuate cutting edges thereon, and a gauge having a transverse arm provided with an arcuate cut out portion positioned outwardly from the blades, which gauge is adjustably secured to one of the jaws so that the arm projects a predetermined distance beyond the cutting blades for severing a predetermined length of insulation from a conductor inserted between the jaws and against the gauge.

2,386,329

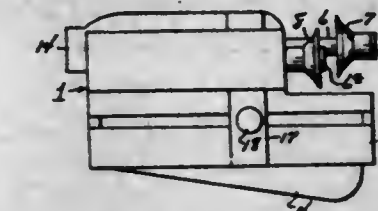
ENVELOPE OPENER, PAPER CUTTER, AND PUNCH

Harry L. McDaniel, Mosquero, N. Mex.
Application July 27, 1944, Serial No. 546,792

3 Claims. (Cl. 164—15)

1. A combined envelope opener, paper cutter and punch, comprising a frame, a slidably mounted shaft carried by the frame, means for actuating the shaft to force an end of the shaft through a sheet or sheets of material to form a punched

hole therein, a rotary cutter carried on the other end of the shaft, a second rotary cutter cooperating with the first cutter to open an envelope passed therebetween, the position of the first cut-



ter with respect to the second being determinable by the position of the shaft, and an adjustable guide for regulating the point at which an envelope or sheet of material is cut.

2,386,330

ANGLE GAUGE AND CUTTING TOOL

Patrick Joseph McGarvey, Floral Park, N. Y.
Application January 23, 1945, Serial No. 574,103

7 Claims. (Cl. 30—233)



1. An angle gauge and cutter for determining the angle of a segment to be cut from a work strip and for excising such segment from the strip comprising, a work and cutting tool holder, a support thereon for the work strip, said support having a cutting station over which the work strip is positionable, a cutting tool carrier on the holder pivotally movable thereon about an axis related to the apex of the angle of the segment to be cut from said work strip, gauge means on the holder for determining the size of the angle over which said carrier is movable, said gauge means being adjustable for varying the size of the angle, and said cutting tool holder being provided with a cutting tool for cutting the work strip at said cutting station along the two sides of the angle determined by said gauge means, whereby an angular segment corresponding to said determined angle may be excised from said work strip.

2,386,331

3-DERIVATIVES OF THE SATURATED AND UNSATURATED ANDROSTANE-3-ONE-17-OLS SUBSTITUTED IN 17-POSITION AND PROCESS OF MAKING SAME AS WELL AS THE CORRESPONDING FREE KETONES

Karl Miescher, Riehen, Switzerland, assignor to Ciba Pharmaceutical Products Incorporated, Summit, N. J., a corporation

No Drawing. Application November 10, 1943, Serial No. 509,776. In Switzerland December 10, 1938

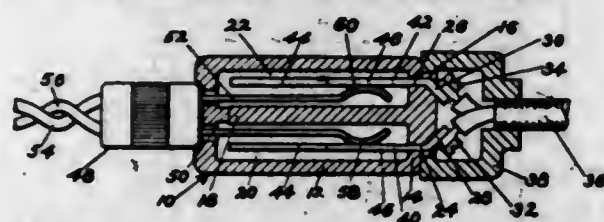
8 Claims. (Cl. 260—239.5)

1. Process for the manufacture of a member of the group consisting of the saturated and unsaturated androstanolones substituted in 17-position and derivatives thereof, comprising allowing an allyl-magnesium halide to react on a member of the group consisting of the 3-acetals of saturated and unsaturated androstanolones, and then hydrolyzing the derivatives obtained.

2,386,332

ELECTRICAL CONNECTION

Raymond J. Miller, Detroit, Mich., assignor to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware
Application May 31, 1943, Serial No. 489,216
7 Claims. (Cl. 201-60)



1. An electrical contact comprising a member having a section of low electrical resistance and a section of laminated metals each of different electrical resistance.

2,386,333

PROCESS FOR THE RECOVERY OF HYDROCARBONS

Lloyd C. Morris, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application April 6, 1942, Serial No. 437,901
7 Claims. (Cl. 260-666)

2. In a process for the separation of the components of a hydrocarbon mixture comprising an aliphatic conjugated diolefin and a cyclic olefin by contacting said mixture with a reagent comprising a complex-forming salt of a heavy metal of Groups I and II of the periodic system to form in admixture the solid complex compounds of said metal salt and said aliphatic conjugated diolefin and cyclic olefin by a thermally reversible reaction, wherein said solid complex compounds exhibit differing degrees of thermal stability depending upon the structure and degree of saturation of the hydrocarbon component thereof, the step of separating the aliphatic conjugated diolefin and the cyclic olefin components from the resulting mixture of said solid complex compounds by fractionally decomposing said mixture at a series of successively higher temperature levels between the temperature of initial complex decomposition and the temperature of substantially complete hydrocarbon evolution, and segregating the hydrocarbons evolved at each of said successively higher temperature levels.

2,386,334

PROCESS FOR THE SEPARATION OF HYDROCARBONS

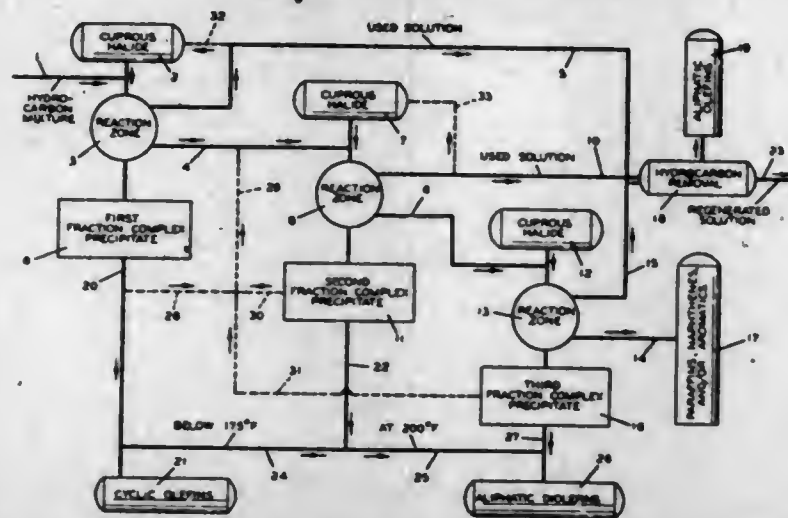
Lloyd C. Morris, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application April 6, 1942, Serial No. 437,902
11 Claims. (Cl. 260-666)

2. A process for the separation of cyclic olefins from a hydrocarbon mixture containing the same along with aliphatic diolefins which comprises fractionally precipitating cuprous halide complex compounds from said mixture by treatment in a series of consecutive steps to precipitate in each step only a pre-determined fraction of the insoluble complexes obtainable from said mixture, separating the fraction of precipitated complex produced by each treating step, decomposing same to release the corresponding hydrocarbon fraction, and recovering a hydrocarbon fraction containing predominantly cyclic olefins from at least one of the consecutively obtained fractions of cuprous halide complex.

2,386,335

PROCESS FOR THE SEPARATION OF HYDROCARBONS

Lloyd C. Morris, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application April 6, 1942, Serial No. 437,904
13 Claims. (Cl. 260-666)

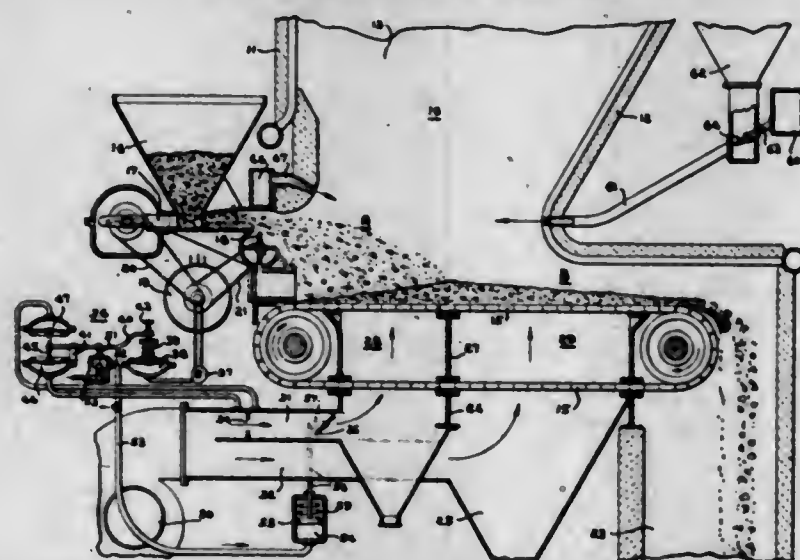


3. A process for the separation of (1) cyclic olefins, (2) aliphatic diolefins, (3) aliphatic olefins, and (4) paraffins, naphthenes, or aromatics, which comprises contacting a mixture containing the same with at least two portions of cuprous halide reagent, at least one of said portions comprising an aqueous cuprous halide reagent, to precipitate portions of insoluble cuprous halide-hydrocarbon complexes and to dissolve soluble cuprous halide-hydrocarbon complexes, whereby said paraffins, naphthenes, or aromatics are recovered substantially unreacted, and decomposing said complexes to recover predominantly cyclic olefins from at least the first portion of said insoluble complexes, predominantly aliphatic diolefins from at least the last portion of said insoluble complexes, and predominantly aliphatic olefins from said soluble complexes.

2,386,336

COMBUSTION APPARATUS

Donald J. Mosshart, Ardmore, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 12, 1941, Serial No. 397,670
2 Claims. (Cl. 110-40)



1. A progressive feed stoker providing a fuel-supporting surface having a receiving and coking first zone and a combustion and discharging second zone, considered in the direction of fuel feed; means of the sprinkler or spreader type spaced a material distance above the fuel-supporting surface and adjacent an edge of the receiving zone, said means spreading the fuel uniformly over the first zone only of the fuel-supporting surface through the hot atmosphere above said first zone only, to heat and ignite said

fuel before it is deposited on the surface; a plenum chamber below the stoker for conducting air to the latter; a partition dividing said chamber into a first space communicating with the first zone and a second space communicating with the second zone; and pressure-responsive means for maintaining a predetermined ratio of rate of flow of fuel to rate of flow of air to the first zone, whereby there may be provided on said first zone a loose, partially coked and ignited fuel bed adapted to be consumed on the second zone.

2,386,337

PROCESS FOR MAKING FINELY DIVIDED SILICA

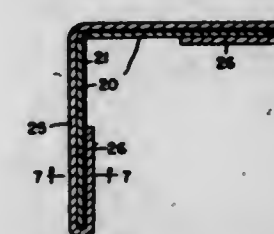
Paul S. Moyer, deceased, late of Lake Forest, Ill., by Elizabeth F. Moyer, administratrix, Lake Forest, Ill.
No Drawing. Application October 25, 1941, Serial No. 416,582
10 Claims. (Cl. 23-182)

5. Process of preparing very finely divided silica which comprises pouring an aqueous solution of sodium silicate into methanol to precipitate finely divided sodium silicate particles, adding sufficient acid-reacting material to the suspension to abstract the sodium from the precipitate and to convert it into silicic acid, separating the latter from the liquid in which it is suspended, washing the same substantially free from soluble material, and drying the silica particles thus obtained.

2,386,338

CORNER UNIT

James H. Norrid, Detroit, Mich.
Application February 6, 1943, Serial No. 474,911
2 Claims. (Cl. 20-5)



1. A corner unit for composition building sheathing consisting of a core member composed of two longitudinally extending strips of relatively stiff non-metallic material and thin fabric securing strips passing between the adjacent edges of the core member strips and secured to the opposite sides thereof and hinging the core member strips together, and a covering of sheathing material secured to the core member strips, the hinged edges of the core member strips being adapted to roll on each other when arranging the strips and the sheathing material at an angle, whereby stretching of the sheathing material is reduced to a minimum.

2,386,339

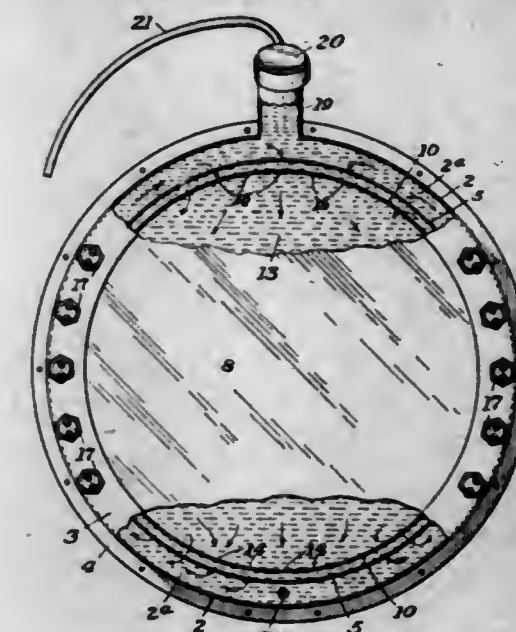
ICEPROOF WINDSHIELD

Walter J. O'Connor, Pittsburgh, Pa.
Application November 12, 1941, Serial No. 418,738
9 Claims. (Cl. 20-40.5)

1. A windshield construction comprising an outer metal frame member having a long internal flange on one edge and a short external flange on the other edge, an inner frame member having a short internal flange that contacts the internal long flange of the first member and a long external flange on its other edge contacting the short external flange of the first member, the

579 O. G.—15

contacting flange portions of the two members being joined to make fluid-tight seams, a sheet of glass abutted against the internal lip formed by the contacting internal flanges, a second sheet of glass in the frame spaced from the first, and an annular retaining member holding the second

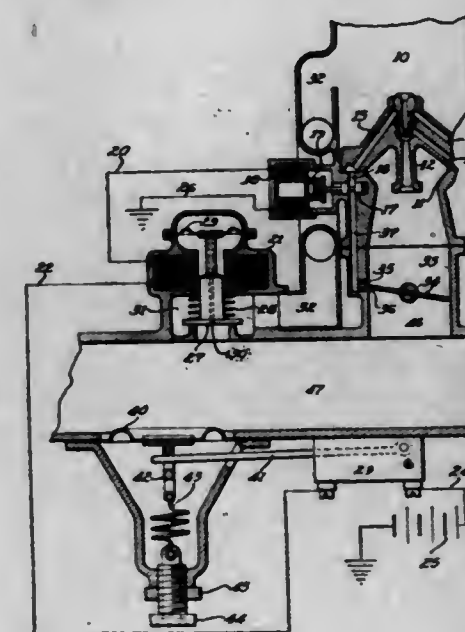


sheet of glass in the frame, the frame thus constructed providing a fluid-circulating space between the inner and outer members, the inner frame member having oppositely positioned ports opening into the space between the two sheets of glass.

2,386,340

DECELERATOR

Elmer Olson, Ferndale, Mich., assignor to George M. Holley and Earl Holley
Application December 18, 1944, Serial No. 568,631
1 Claim. (Cl. 123-124)



In an internal combustion engine having a carburetor and an inlet passage, a mixture outlet, a throttle valve therein, a low speed fuel passage, a valve in said passage, an auxiliary air entrance located on the engine side of said throttle, a valve in said auxiliary entrance, electro-magnetic means for opening said valve and closing the valve in the low speed fuel passage, a differential switch in series with said electro-magnetic means, vacuum responsive means adapted to move said switch so as to energize said electro-magnetic means at suction greater than a predetermined suction and to release said electro-magnetic means at a substantially lower suction, yieldable means for closing the air valve in the air entrance and for opening the valve in the low speed fuel passage.

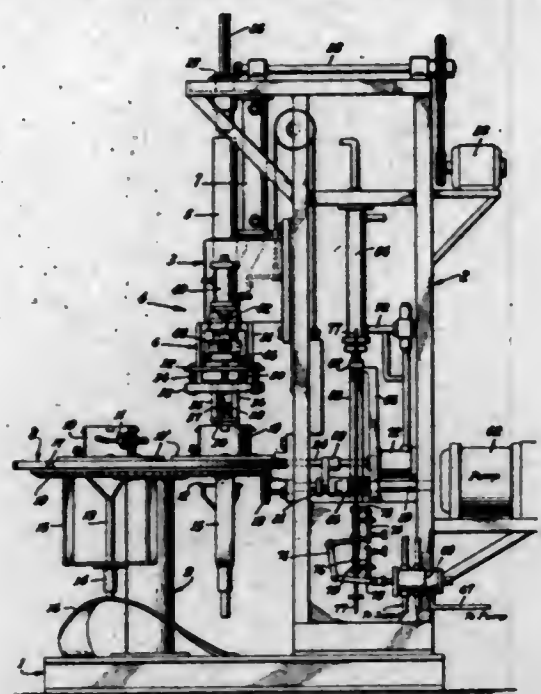
2,386,341

MACHINE FOR CUTTING OBJECTS

Frank Y. Pearne, Alhambra, and John D. Rossier, Downey, Calif., assignors to Pacific Clay Products, Los Angeles, Calif., a corporation of California

Application April 14, 1943, Serial No. 483,079

14 Claims. (Cl. 25-109)



1. A machine for cutting contours on internal surfaces of hollow cylindrical objects comprising: a vertically reciprocable sleeve frame, a rotatable cutter head carried by the sleeve frame, a pair of downwardly extending cutter posts mounted on the cutter head in parallel relation and spaced from the axis of rotation of the cutter head, a cutter carried on each of said posts, and means for partially rotating the cutter posts to move the cutters into and out of cutting position during rotation of the cutter head.

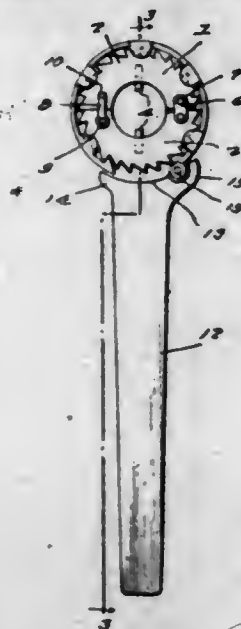
2,386,342

TURNBUCKLE WRENCH

Victor Price, Akron, Ohio

Application February 1, 1944, Serial No. 520,662

1 Claim. (Cl. 81-90)



A wrench for use on turnbuckles of the type having a transverse tool-receiving opening therein comprising a ratchet wheel including a pair of mating half-sections adapted to be opposed upon opposite sides of the turnbuckle in surrounding relation thereto, means to secure said sections together against relative separation, key pins in said sections for insertion in said opening to lock the sections to the turnbuckle, a handle, and a resilient band of annular form partly surrounding the wheel with one end connected to said handle and the other end thereof provided with a ratchet tooth for engaging the sections.

teeth of the wheel, said band being removable edgewise from said wheel, said means comprising hinges on one side of the axis of the wheel, and latches on the other side of said axis, said toothed end of the band being interposed between one end of the handle and said wheel, and the connected end of the band being hinged to said end of the handle whereby said handle may be swung in one direction to retain the toothed end of the band engaged with the teeth of said wheel and simultaneously rotate the wheel.

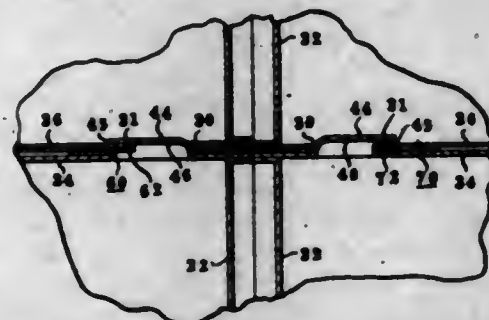
2,386,343

INTERLOCK

Walter F. Regenhardt, Wooster, Ohio

Application May 31, 1941, Serial No. 395,999

3 Claims. (Cl. 312-111)



1. In a filing cabinet, in combination, two walls disposed in side to side relation, means for securing the walls against separation comprising a bulged portion at one end of one wall, said bulged portion having an open side, the other wall having an opening corresponding substantially in shape and position to said bulged portion and receiving the same when said walls are disposed in side to side relation, tongue means on said other wall extending into the opening at one end, said tongue being in the same plane as said other wall and receivable by the open side of the bulged portion on the first mentioned wall when said bulged portion is disposed in the opening in said other wall, and a locking member for said walls at the opposite end of said walls.

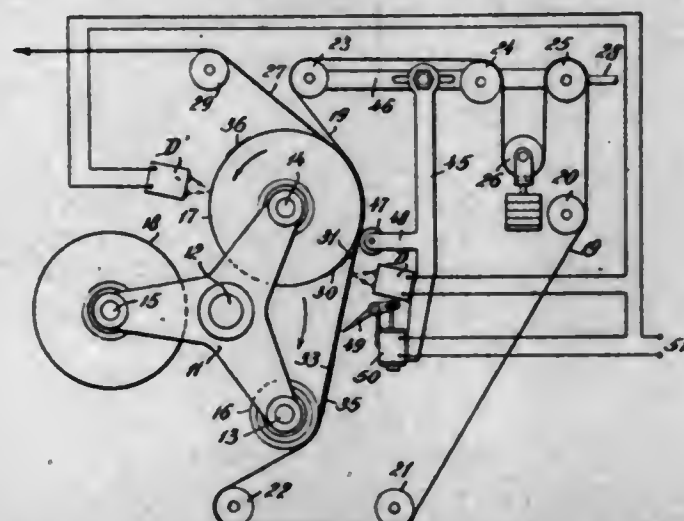
2,386,344

WEB SPLICING

Oscar C. Roesen, Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia

Application April 14, 1943, Serial No. 483,045

11 Claims. (Cl. 242-58)



10. In apparatus for splicing the leading end of the web on a new roll to a web running past the cylindrical surface of the new roll from an expiring roll after the new roll is accelerated to running web speed, the combination, with means for severing the running web after the splice is made, of a mark having different light reflecting properties than the web located on the web running from the expiring roll adjacent the core end

of said web, a mark having different light reflecting properties than the web located on the cylindrical surface of the new roll at a predetermined distance from the leading end of the web thereon, stationary light responsive means adjacent the web running from the expiring roll and responsive to the passage of said running web mark, stationary light responsive means adjacent the cylindrical surface of the new roll responsive to the passage of said new roll mark, and mechanism controlled by both of said light responsive means for governing the operation of said web severing means.

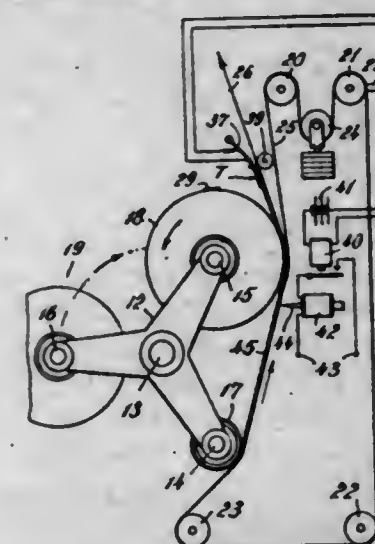
2,386,345

DEVICE FOR SPLICING WEBS

Oscar C. Roesen, Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia

Application February 16, 1944, Serial No. 522,579

15 Claims. (Cl. 242-58)



1. In apparatus for splicing the leading end of the web on a new roll to a web running past the cylindrical surface of the new roll from an expiring roll after the new roll is accelerated to running web speed, in combination, a control actuator of electrically conductive material on the under surface of the new roll web adjacent its leading end and means responsive to movement of said control actuator along the path of the running web leaving the new roll surface for severing the web running from the expiring roll to the new roll surface immediately after the splice is made.

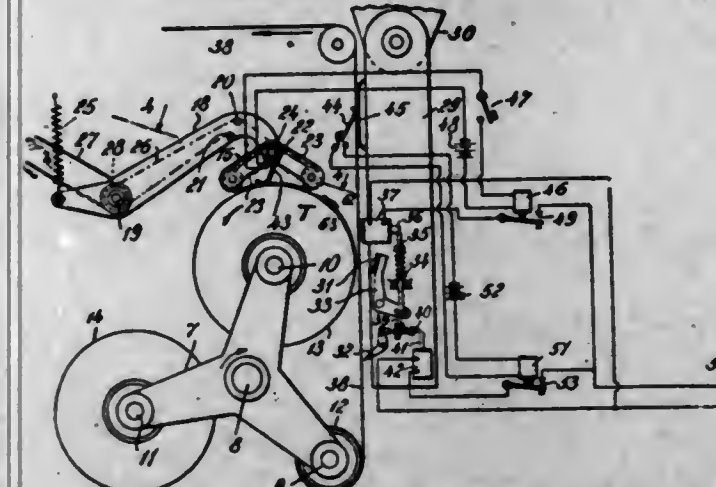
2,386,346

WEB SPLICING

Oscar C. Roesen, Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia

Application March 11, 1944, Serial No. 525,997

17 Claims. (Cl. 242-58)



1. Apparatus for splicing the leading end of a web on a new roll to a web running past the cylindrical surface of such roll comprising control actuators on opposite surfaces of the new roll web adjacent its leading end, and means governed

by said control actuators for pressing the running web against the new roll surface to make the splice and for severing the running web approaching the new roll surface after the splice is made.

2,386,347

INTERPOLYMERS OF ETHYLENE WITH VINYL ESTERS AND PRODUCTS THEREFROM

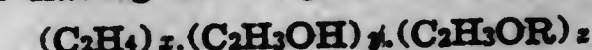
John E. Roland, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 13, 1945,

Serial No. 577,736

29 Claims. (Cl. 260-86)

1. A solid, macromolecular, hydrolyzed interpolymers of ethylene with a vinyl ester of an organic monocarboxylic acid, said hydrolyzed interpolymers having the empirical formula



wherein R is an acyl radical of an organic monocarboxylic acid and x, y and z are numbers, the ratio of y+z to x being within the range of from 1:5 to 50:1 and the ratio of y to z being at least 4:1.

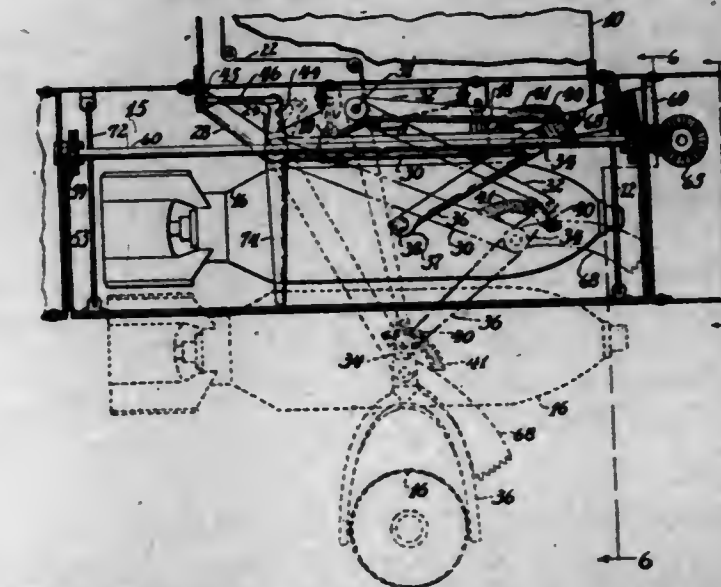
2,386,348

BOMB INSTALLATION

Donald C. Rowe, Snyder, and Samuel T. Payne, Kenmore, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware

Application June 12, 1941, Serial No. 397,728

8 Claims. (Cl. 89-1.5)



6. In an aircraft including an inside bomb bay, means to releaseably support an elongated bomb within said bomb bay with its major dimension substantially parallel to the lateral axis of said aircraft, guide means adapted to engage said bomb and extendible with the bomb from the bomb bay upon bomb release from said first mentioned means, and means automatically operative to rotate said guide means and hence the bomb engaged thereby during extension of said guide means such that said bomb drops clear of said guide means and aircraft in a fore-and-aft attitude with respect to said aircraft.

2,386,349

SEWING MACHINE

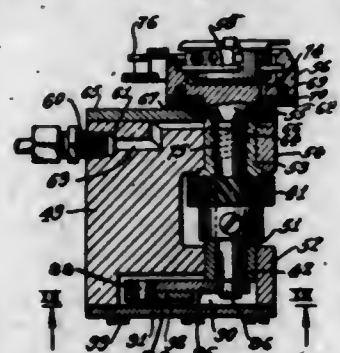
George Sauer, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application November 9, 1942, Serial No. 464,954

6 Claims. (Cl. 112-256)

1. A lockstick sewing machine having a base with a work supporting surface, a standard rising from one end of said base, a rotary hook unit mounted in said base with its axis normal to said work supporting surface, said hook unit having a

rotary component and a stationary component with a raceway therebetween, said rotary component including an axially extending driving shaft, bearing means for said shaft, a lubricant reservoir carried by said standard above said work support, a conduit extending from said reservoir to said hook for delivering oil to a surface on said



rotary component, said surface being so constructed and arranged as to induce a pumping action upon the oil to force it into said raceway, means forming an annular lubricant collecting pocket extending about said surface, and means for delivering lubricant from said pocket in one direction to said raceway and in another direction to said bearing means for said shaft.

2,386,350

TREATMENT OF HYDROCARBONS

Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application September 3, 1940, Serial No. 355,257

7 Claims. (Cl. 260—680)

1. In a process for the production of butadiene which comprises dehydrogenating butane to produce butenes and butadiene, extracting the butadiene from the dehydrogenated liquid by means of a cuprous halide reagent and recycling the residuum from the cuprous halide treatment for further dehydrogenation, the step of purifying said residuum prior to recycling by treatment with an aqueous solution of an alkaline-reacting non-oxidizing inorganic compound the anion of which forms a water-insoluble copper salt.

2,386,351

TREATMENT OF HYDROCARBONS

Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application September 3, 1940, Serial No. 355,258

6 Claims. (Cl. 260—680)

1. A process for the manufacture and recovery of diolefins which comprises converting a hydrocarbon feed at least partially to diolefins under conditions producing unsaturation, contacting a low-boiling hydrocarbon stream in liquid phase and containing the diolefin content of the conversion effluent together with other non-diolefin hydrocarbons with a reagent comprising a solid adsorbent carrier impregnated with a cuprous halide under such conditions as to effect absorption of substantially all of the diolefins by formation of an addition compound with said cuprous halide, contacting the substantially diolefin-free residuum containing dissolved cuprous halide addition products of unsaturated hydrocarbons with a reagent comprising a solid adsorbent carrier impregnated with an alkaline sulfide whereby said dissolved addition products are decomposed with the formation of copper sulfide and liberation of said unsaturated compounds, and recycling the purified residuum to said converting step for further conversion to diolefins.

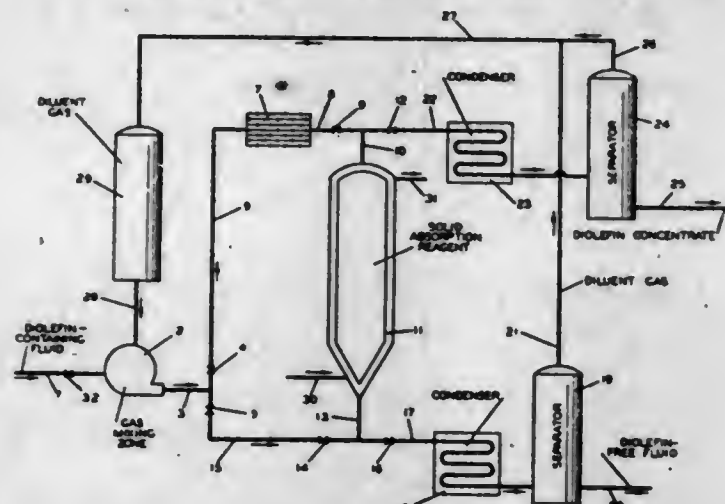
2,386,352

PROCESS FOR THE TREATMENT OF HYDROCARBONS

Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application January 29, 1942, Serial No. 428,774

2 Claims. (Cl. 260—681.5)



1. A process for the purification of low-boiling normally liquid diolefins which comprises introducing hydrocarbons containing same into a stream of an inert non-condensable gas in such proportion as to give a mixture having a dew point at least 5° F. below treating temperature, treating said mixture by contact with a solid cuprous halide reagent to retain said diolefins on the reagent as a cuprous halide-diolefin complex, separating said gas from unreacted hydrocarbons and recycling said gas, flushing the reagent containing said complex with said inert non-condensable gas to remove unreacted hydrocarbons, and heating said reagent to decompose said complex and recover purified diolefins.

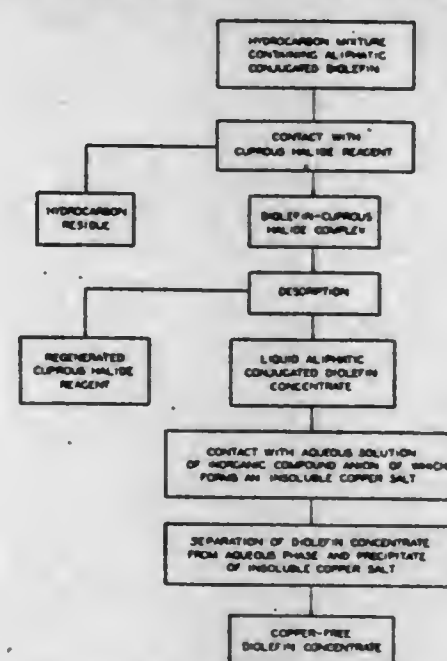
2,386,353

PURIFICATION OF UNSATURATED HYDROCARBONS

Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application April 5, 1943, Serial No. 481,913

9 Claims. (Cl. 260—681.5)



1. A process for the removal of dissolved unsaturated hydrocarbon-cuprous halide addition compound from liquid aliphatic conjugated diolefin concentrate containing the same and essentially free from sulfur, nitrogen and oxygen compounds which comprises intimately contacting said concentrate while maintaining same in liquid phase with an aqueous solution of an alkaline-reacting water-soluble inorganic compound the anion of which forms a water-insol-

uble and hydrocarbon-insoluble copper salt with said dissolved addition compound, thereby precipitating the copper contained in said addition compound as a water-insoluble and hydrocarbon-insoluble precipitate, and separating the resulting purified diolefin phase from said precipitate and the resulting aqueous solution.

2,386,354

PRODUCTION OF DIOLEFINS

Walter A. Schulze, John C. Hillyer, and Harry E. Drennan, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application August 24, 1940, Serial No. 354,086

5 Claims. (Cl. 260—680)

1. A process for the removal of diolefins from hydrocarbon fluids containing the same which comprises contacting said hydrocarbon fluids with a solid reagent comprising a solid adsorbent carrier selected from the group consisting of adsorbent clays, bauxite, charcoal, silica gel, and synthetic activated alumina impregnated with cuprous halide whereby a diolefin-cuprous halide complex is formed and retained on said carrier.

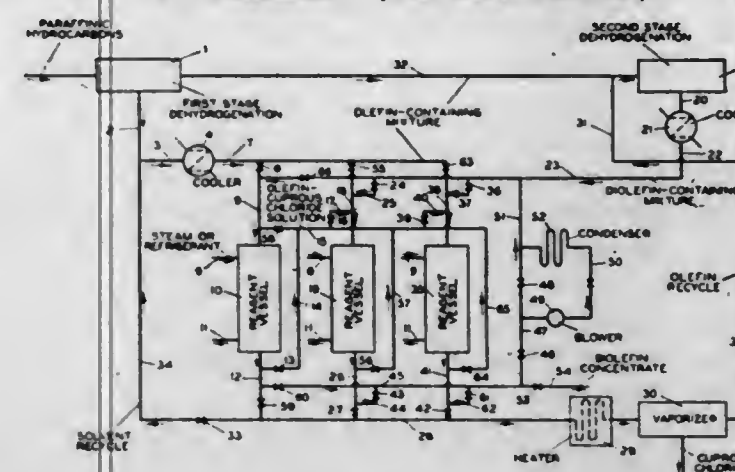
2,386,355

PROCESS FOR PRODUCTION OF DIOLEFINS

Walter A. Schulze and Lloyd C. Morris, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

Application November 7, 1941, Serial No. 418,263

17 Claims. (Cl. 260—681.5)



1. A process for the separation of diolefins from mixtures containing the same which comprises contacting an olefin-containing liquid with a solid cuprous halide reagent to form a solution of cuprous halide in said liquid, contacting said solution with a diolefin-containing mixture and thereby forming an insoluble cuprous halide-diolefin complex, depositing said complex on a carrier, and decomposing said complex on said carrier to liberate diolefins therefrom and deposit cuprous halide on said carrier.

2,386,356

PROCESS AND REAGENT FOR TREATING HYDROCARBONS

Walter A. Schulze and Lloyd C. Morris, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application November 7, 1941, Serial No. 418,264

10 Claims. (Cl. 260—681.5)

1. A process for the separation of diolefins from mixtures containing the same which comprises contacting said mixtures with a cuprous halide dissolved in liquid hydrocarbons comprising olefins to separate said diolefins as a substantially insoluble diolefin-cuprous halide complex.

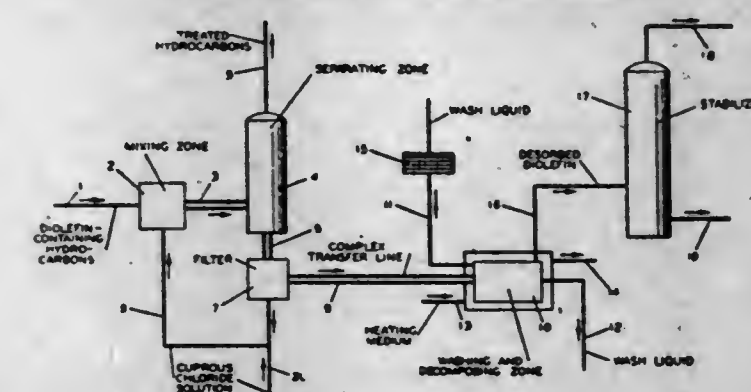
2,386,357

PROCESS FOR THE TREATMENT OF HYDROCARBONS

Walter A. Schulze and Lloyd C. Morris, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

Application January 29, 1942, Serial No. 428,773

3 Claims. (Cl. 260—681.5)



1. In a process of separating aliphatic conjugated diolefins from hydrocarbon liquids containing the same and close-boiling non-diolefinic hydrocarbons by contacting said hydrocarbon liquid in the liquid phase with a reagent comprising a salt of a monovalent heavy metal of groups I and II of the periodic system which reacts with aliphatic conjugated diolefins to form a hydrocarbon-insoluble solid metal salt-diolefin complex and thereby effecting combination of said diolefin with said reagent to form said complex, separating said solid complex from the hydrocarbon liquid, and desorbing said diolefin from the separated solid complex by heating the same to desorption temperature, the improvement which comprises removing substantially all entrained non-diolefinic hydrocarbons from said separated complex prior to said desorption step by washing the same with a liquified normally gaseous paraffinic hydrocarbon which is substantially lower-boiling than the components of said hydrocarbon liquid, and conducting said washing step at a temperature substantially below that at which said complex decomposes and at a pressure sufficient to maintain said normally gaseous paraffin in liquid phase.

2,386,358

REAGENT PREPARATION AND USE IN SEPARATION OF UNSATURATED HYDROCARBONS

Walter A. Schulze and Lloyd C. Morris, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application March 23, 1942, Serial No. 435,895

10 Claims. (Cl. 260—681.5)

6. In a process for the separation of unsaturated hydrocarbons from hydrocarbon fluids containing the same comprising contacting said fluids with a cuprous halide reagent to form cuprous halide-unsaturated hydrocarbon complex addition compounds, the improvement comprising formation of the cuprous halide reagent under non-oxidizing conditions within the system where it is to be used by reduction of the corresponding cupric halide substantially completely to the cuprous halide.

2,386,359

GAS PURIFICATION

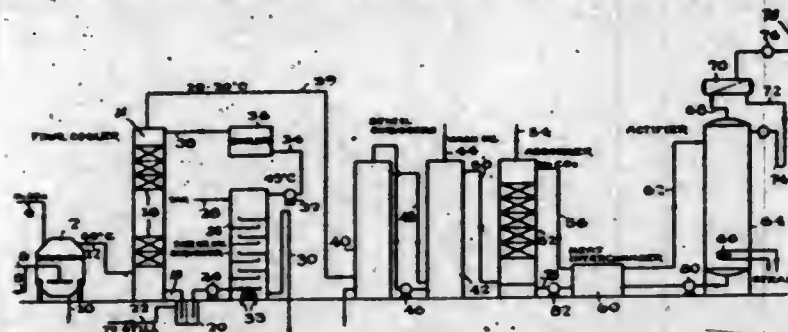
Fredrick D. Schreiber, Darmon, Pa.

Application September 22, 1942, Serial No. 459,315

2 Claims. (Cl. 23—2)

2. The method of recovering acidic gases from a mixture constituting fuel gases which comprises

continuously contacting said gases with cool water substantially saturated with respect to the acidic components of said gases whereby the naphthalene component of said gases is condensed in said cool water, removing naphthalene from said water by scrubbing the same with a naphthalene solvent immiscible with water, pre-cooling said water and returning said water to



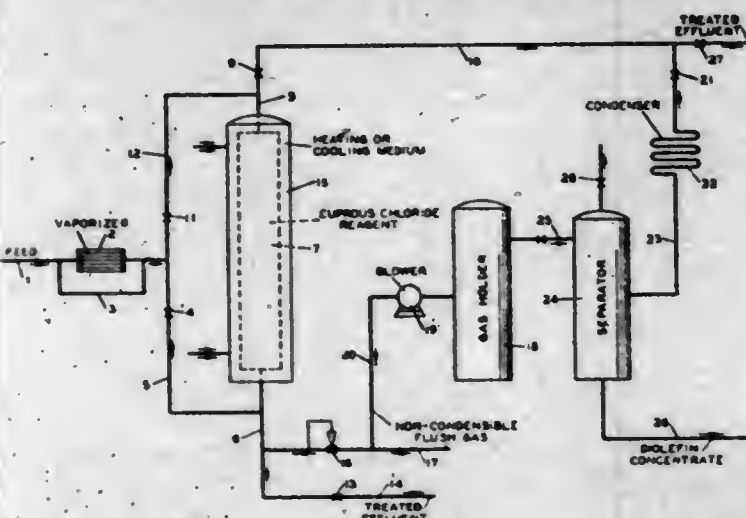
said gas contact step, all being accomplished without any appreciable loss from said coolant of the gases dissolved in said coolant, removing light oils from the resulting cooled gases by scrubbing, subjecting the resulting gases to selective absorption in weak carbonate solution and, thereafter, releasing said acidic components from said carbonate solution by vacuum aetification at elevated temperatures above normal.

2,386,360

RECOVERY OF HYDROCARBONS

Graham H. Short, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application February 10, 1942, Serial No. 430,267
2 Claims. (Cl. 260—681.5)



1. In a process for the recovery of aliphatic conjugated diolefins from hydrocarbon mixtures containing the same and close-boiling non-diolefinic hydrocarbons of substantially the same boiling range by intimately contacting said mixture with a reagent containing a cuprous halide and thereby causing said diolefin to selectively react with said cuprous halide to form a solid diolefin-cuprous halide complex mechanically retaining unreacted non-diolefinic hydrocarbons, and thereafter desorbing the diolefin from said solid complex by heating same to an elevated temperature, the improvement which comprises removing substantially all of said unreacted non-diolefinic hydrocarbons retained in said solid complex prior to desorption thereof by passing through a mass of said solid complex a stream of inert oxygen-free gas which is non-condensable at the pressures and temperatures employed in this step and in the desorption step hereinafter-recited and which is easily separable in a gaseous form from said diolefin by condensation of the latter, carrying out said last-named step at at least atmospheric pressure and at temperatures below those causing appreciable desorption of diolefin from said complex, thereafter effecting

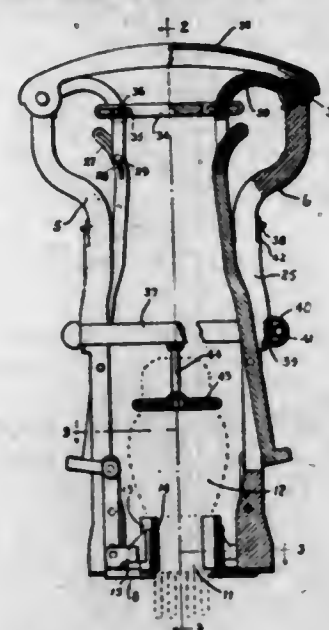
said desorbing step by passing through said mass of solid complex a stream of said inert gas while heating said complex to a temperature sufficiently high to effect desorption of said diolefin therefrom and while maintaining substantially constant low superatmospheric pressure, removing the resulting mixture of diolefin and said inert gas, and separating said diolefin in substantially pure form from said mixture by subjecting said mixture to conditions causing condensation of said diolefin while allowing said inert gas to remain as such.

2,386,361

RADIO TUBE TONGS

David S. Small, Philadelphia, Pa.

Application February 2, 1945, Serial No. 575,790
5 Claims. (Cl. 294—115)



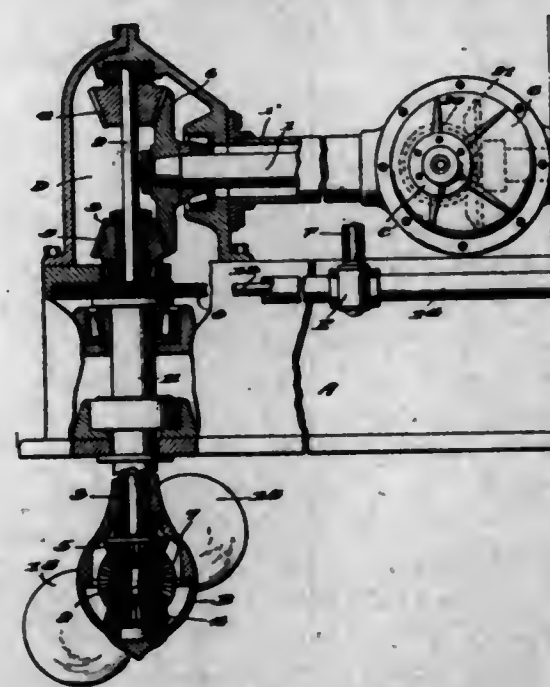
1. A radio tube applying and removing tool comprising a handle, a pair of legs pivoted at their upper ends to the ends of the handle, a pair of jaws slidably carried at the lower ends of the legs and adapted for movement toward and away from the opposite sides of a tube, a cross bar positioned beneath the handle and mechanism operatively connecting the cross bar to said jaws for actuating the jaws upon a raising and lowering movement of said cross bar.

2,386,362

CONTRAPOSED TWIN TURRET BOAT AND SHIP DRIVE

William E. Soldner, Salina, Kans.

Application October 12, 1942, Serial No. 461,740
2 Claims. (Cl. 115—35)



1. A contraposed twin turret boat and ship drive including a primary drive shaft and motor

coupler means, primary drive gear and pinion, a cross-drive shaft, outboard nacelles, secondary drive gears secured to opposite ends of the cross drive-shaft, concentric solid and tubular jack-shafts, gears on the upper and lower ends of said shafts to which the secondary drive-gear transmits opposed rotary motion, final drive gears, propeller shafts, propellers adapted to be driven in opposite directions by the cross drive-shaft through said gears, nacelle posts to which the nacelles are connected, gears keyed or splined to these posts, a shaft having gears thereon for transmitting rotary motion to the nacelle posts, and means extending from a steering-head for transmitting rotary motion to the last-named shaft whereby the nacelle posts may be turned axially through any number of degrees up to and including 360°.

2,386,363

PREPARATION OF ETHYL B-ETHOXY-PROPIONATE

Benjamin L. Souther, New Canaan, Conn., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application November 5, 1943,
Serial No. 509,142

1 Claim. (Cl. 260—484)

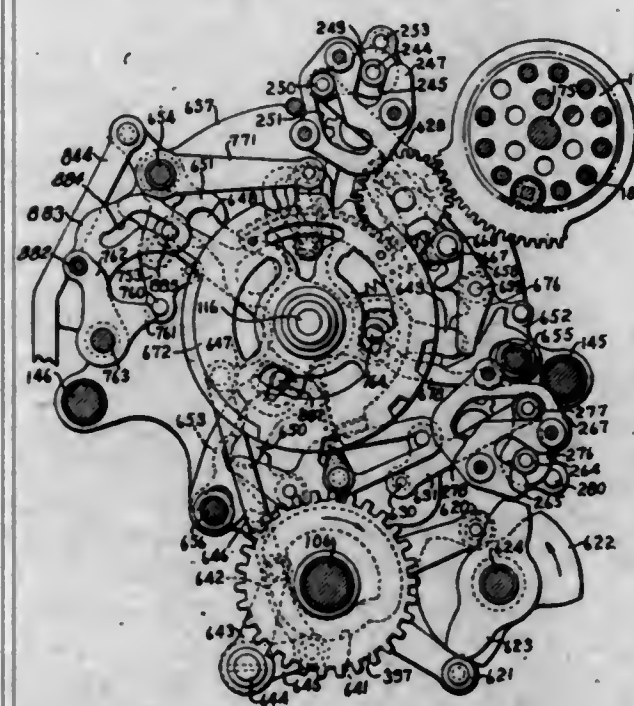
The method of preparing ethyl B-ethoxypropionate which comprises heating a mixture of B-ethoxypropionitrile and absolute ethyl alcohol in the molar proportions of approximately 1 to 2, slowly adding with constant stirring a mixture of sulphuric acid and water of approximately equal molar parts and total molar proportion approximately equal to that of the alcohol, continuing the stirring and heating at a temperature of 99–105° C. for a period of from 12 to 24 hours, cooling the mixture, adding water to dissolve separated solids, separating the oily material, neutralizing the acid in and washing the oily material with water, and separating the B-ethoxypropionate from the oily layer by distillation.

2,386,364

CASH REGISTER

Pascal Spurlino, Arthur R. Colley, Laurence N. Lehman, and Frederick Gantner, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application July 16, 1941, Serial No. 402,590
30 Claims. (Cl. 235—6)



1. In a machine of the class described, the combination of a totalizer; actuating means for said

totalizer, adapted to be moved in one direction to restore the totalizer to zero, and in another direction to accumulate amounts on the totalizer; operating means operable through two complete operations during each machine cycle; means adapted to be connected to the operating means to engage the totalizer with and disengage it from the actuating means; a plurality of differentially adjustable control members having peripheral control surfaces and internal control surfaces; a feeling device adapted to coact with the internal control surfaces of said members to control the connection of the engaging and disengaging means with the operating means during the first one of said complete operations to engage the totalizer with the actuating means to restore said totalizer to zero; and a feeling device adapted to coact with the peripheral control surfaces of said members to control the connection of the engaging and disengaging means with the operating means during the second one of said complete operations to engage the totalizer with the actuating means to accumulate amounts upon the totalizer.

2,386,365

MANUFACTURE OF POLYMERIZABLE UNSATURATED ACIDS

Hanns Peter Staudinger, Ewell, Karl Heinrich Walter Tuerck, Banstead, and Eric Harvey Brittain, Epsom Downs, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company

No Drawing. Application March 6, 1942, Serial No. 433,631. In Great Britain February 28, 1941

3 Claims. (Cl. 260—530)

1. In a process for the manufacture of a polymerizable unsaturated aliphatic acid from acrolein and alpha-substituted derivatives thereof by oxidation with molecular oxygen to produce a reaction mixture containing said acid and high-boiling by-products which tend to promote polymerization of said acid, the steps of subjecting the said reaction mixture directly to simple distillation in the presence of a diluent of such volatility as not greatly to alter the boiling point of the reaction mixture and having a boiling point not more than 50° C. higher than said unsaturated acid so that the distillate contains said unsaturated acid together with a considerable proportion of said diluent, and maintaining the concentration of said unsaturated acid in the boiling liquid below about 40% by weight throughout the distillation and, by means of reduced pressure, a distillation temperature below 60° C.

2,386,366

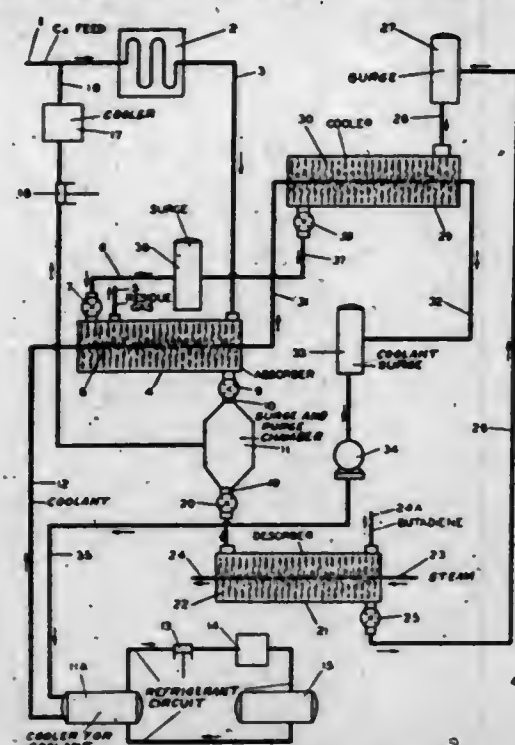
DIOLEFIN RECOVERY

Joseph Edgar Stormont, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application February 4, 1943, Serial No. 474,723
12 Claims. (Cl. 260—681.5)

6. The continuous method of recovering aliphatic conjugated diolefins from hydrocarbon fluids containing the same which comprises continuously passing said fluid into intimate contact with a mass of a solid cuprous halide reagent in an absorption zone, cooling said mass in said zone to absorption temperature by indirect heat exchange by continuously passing cold heat exchange surfaces throughout the body of said mass while simultaneously moving and agitating said mass by means of said heat exchange surfaces, continuously feeding said reagent into said zone, passing

it through said zone by means of said surfaces, and withdrawing it from said zone after traversal thereof, continuously transferring the reagent so withdrawn to a desorption zone, heating said reagent in said desorption zone to desorption temperature by indirect heat exchange by continuously passing hot heat exchange surfaces



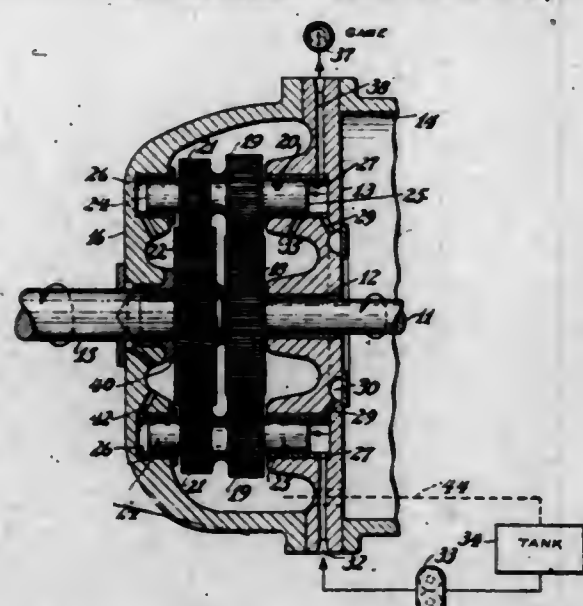
throughout the body of said reagent while simultaneously moving and agitating said reagent by means of said heat exchange surfaces, continuously feeding said reagent into said desorption zone, passing it through said zone by means of said hot heat exchange surfaces, and withdrawing it from said desorption zone after traversal thereof, and withdrawing the described diolefin from said desorption zone.

2,386,367

GEAR SYSTEM

Edward S. Taylor, Lincoln, Mass., assignor to Wright Aeronautical Corporation, a corporation of New York

Application January 26, 1942, Serial No. 428,150
13 Claims. (Cl. 74—410)



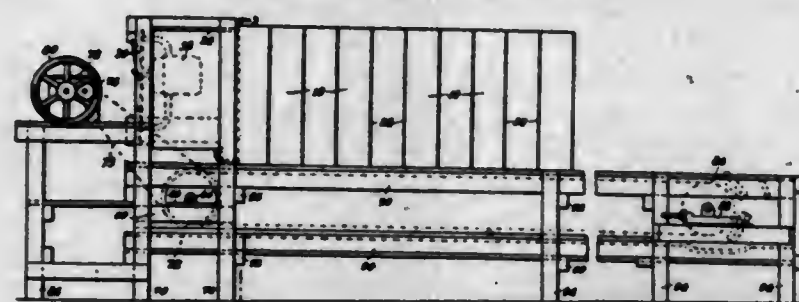
1. In a transmission, a helical gear, a plurality of helical pinions spaced therearound and meshed therewith, said pinions being mounted on axially movable layshafts, bearings for said layshafts comprising closed cylinders, fluid passage means interconnecting said cylinders, means to maintain in said cylinders and against said layshafts an equal fluid pressure, said pinions being independently axially shiftable to equate individual axial tooth load thereon to the fluid pressure acting on the shaft thereof, and valve means automatically operative to control the magnitude of said fluid pressure with changes in the transmitted torque.

2,386,368

CONDITIONING APPARATUS

Harden F. Taylor, New York, and Chester H. Robinson, Jackson Heights, N. Y., assignors to The Atlantic Coast Fisheries Company, New York, N. Y., a corporation of Maine

Application February 12, 1944, Serial No. 522,060
7 Claims. (Cl. 34—193)



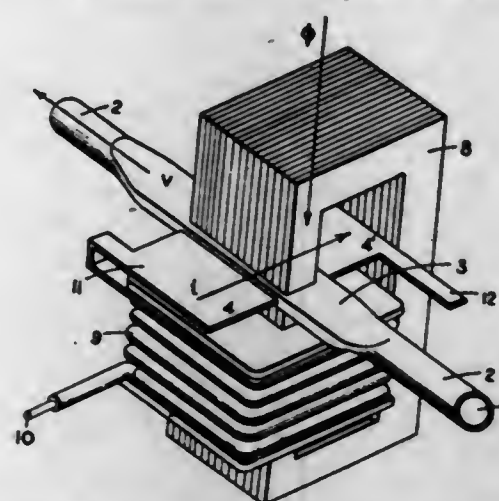
1. A conditioning apparatus comprising a pair of parallel spaced sprockets, a conveyor trained over said sprockets, means to drive at least one of said sprockets, a plurality of supports secured to said conveyor, each of said supports being secured to said conveyor, a plurality of individual hollow sections arranged on said supports in series to form a tunnel, each section being portable and having means to carry the material to be treated, a housing adapted to communicate with one end of said tunnel, the other end of said tunnel being free whereby the section at the free end can be removed without affecting the arrangement of other sections, means to mount said housing above one of said sprockets to permit each of said supports to pass around said sprocket and assume its horizontal position prior to passing beneath said housing, and a fan in said housing to draw a conditioning means through said tunnel.

2,386,369

ELECTROMAGNETIC PUMP FOR ELECTRICALLY CONDUCTING LIQUIDS

William George Thompson, Sutton Coldfield, England, assignor to The General Electric Company Limited, London, England

Application June 4, 1943, Serial No. 489,608
In Great Britain June 15, 1942
23 Claims. (Cl. 103—1)



1. For use in an electromagnetic pump of the character described in which mercury is caused to flow by an electric current and a magnetic field angularly disposed to each other and to the direction of flow of the mercury: a metallic conduit physically distinct from the magnet which generates said magnetic field, said conduit being impervious to the atmosphere and having a portion transversely disposed in the magnetic field, said portion comprising a pair of opposed walls composed of an alloy whose electric conductivity at most does not substantially exceed mercury, said walls extending transversely to the magnetic field, said portion of the conduit also including another pair of opposed walls extending parallel

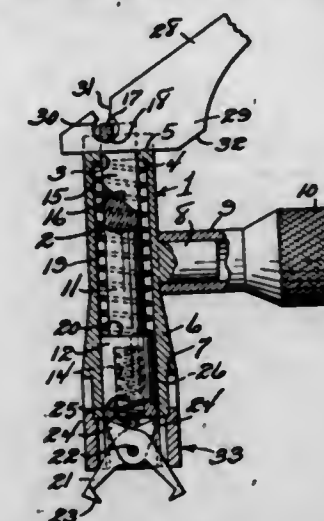
to the magnetic field and composed of a metal different from said alloy and with which mercury normally makes good electrical contact, said second named pair of opposed walls being adapted to be connected to a source of electric potential to pass current through the mercury, said pairs of opposed walls being joined to form a passageway, principally composed of metal, through which the mercury is caused to flow.

2,386,370

HAND OR POINTER REMOVER

Vernon V. Vaughan, Norfolk, Va.

Application January 6, 1944, Serial No. 517,253
3 Claims. (Cl. 81—6)



1. A hand-removing tool comprising a barrel, a plunger slidable longitudinally through the barrel, an enlarged head on the lower end of the plunger, a spring in the barrel coiled about the plunger and bearing against the barrel and head of the plunger for urging the plunger downwardly, said plunger having its lower end portion formed with a transverse slot and with a longitudinal socket, jaws pivotally mounted in the lower end of said plunger and projecting downwardly from the plunger the upper portions of the jaws being enlarged to form camming elements, a spring in the socket disposed between the enlarged camming upper portions of the jaws and urging the jaws away from each other to opened position, a sleeve fitting about the lower portion of the barrel and thickened at its lower end to form shoulders engaging the jaws to force the jaws towards each other to closed position when the plunger is shifted upwardly, said sleeve being removable from the barrel and having its upper portion slit longitudinally to provide for frictional gripping engagement with the barrel, a handle extending from said barrel, and a lever having a foot at its front end formed with a circular recess leading from its upper edge and through which the cross-bar passes to operatively connect the lever with the plunger.

2,386,371

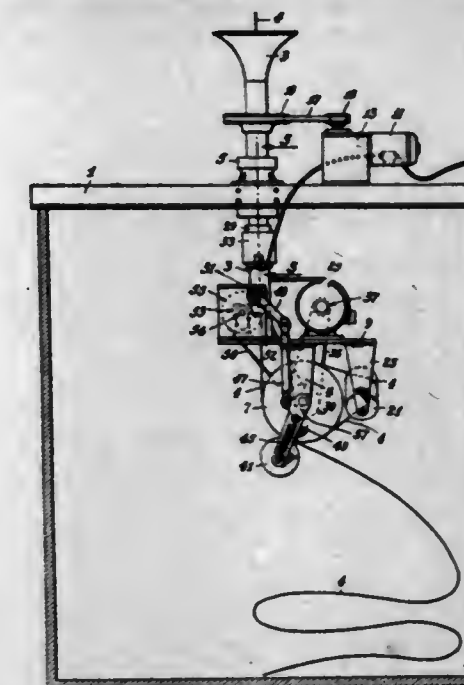
KIER PILER

Robert W. Vose, West Springfield, Mass., assignor to Chicopee Manufacturing Corporation, Chicopee Falls, Mass., a corporation of Massachusetts

Application August 12, 1942, Serial No. 454,614
7 Claims. (Cl. 68—177)

1. In a kier piler, adapted to be positioned over a kier, a rotatable drum, means for feeding fabric to and around said drum, a transfer roll for offsetting the fabric as it passes around said drum, a tangent roll movable about the lower portion of the periphery of said drum and arranged to hold the fabric to said drum in contact

therewith and control its point of leaving said drum, and means for continuously varying the position of said tangent roll about the periphery



of said drum whereby fabric fed to said drum will be piled evenly in the kier over which said piler is positioned.

2,386,372

PRODUCTION OF CYCLIC KETONES

Cary R. Wagner, Utica, Ohio, assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application April 20, 1944,
Serial No. 531,995

5 Claims. (Cl. 260—586)

1. The method of oxidizing cycloparaffins having from five to six carbon atoms in the ring to the corresponding cyclic ketone which comprises passing a vaporous feed consisting of said cycloparaffin and air over an oxidation catalyst consisting of silver oxide at a temperature of from 300 to 550° C., and recovering the corresponding cyclic ketone from the resulting effluent.

2,386,373

DEMOLITION APPLIANCE FOR AIRCRAFT

John Kelly Wedgworth, York, Ala.

Application October 14, 1941, Serial No. 414,954
1 Claim. (Cl. 89—1)



A device of the character described, comprising a line adapted to be suspended from an aircraft, a plurality of demolition devices, each of said demolition devices consisting of a cross bar and a cutter bar, each of said cutter bars being provided with an eye and means passed through said eye swingably suspending said cutter bars from

an intermediate point of an adjacent cross bar, and supporting members extending from one extremity of each cross bar upwardly through the eye of the cutter bar suspended immediately thereabove, and thence to the other extremity of the same cross bar.

2,386,374

FERMENTATION PROCESSES

Charles Weismann, London W. C. 1, England
No Drawing. Application March 2, 1942, Serial No. 432,999½. In Great Britain April 23, 1941
4 Claims. (Cl. 195-42)

1. In the fermentation of carbohydrates, starches, sugars, cellulosic and hemi-cellulosic materials, to produce useful organic material, the process which comprises inoculating a mash of such a material with a culture of *Clostridium butylo-butyricum* and allowing fermentation of said mash to take place at temperatures not substantially below 37° C. and not substantially above 43° C.

2,386,375

PROCESS FOR SEPARATING HYDROCARBONS

Charles E. Welling, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

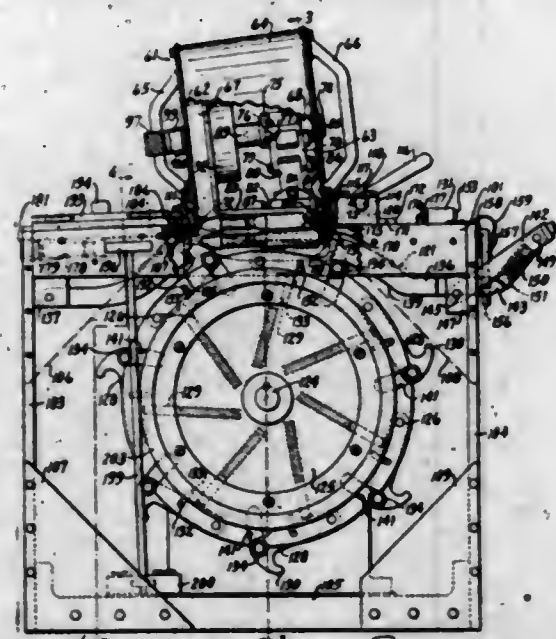
No Drawing. Application April 6, 1942, Serial No. 437,905
4 Claims. (Cl. 202-42)

1. A process for the separation of piperylene from a mixture of close-boiling C₅ hydrocarbons comprising cyclopentene which comprises fractionally distilling said mixture in the presence of propylene oxide as an azeotropic entraining agent in amount sufficient to form minimum-boiling azeotrope with cyclopentene, taking overhead cyclopentene and propylene oxide in azeotrope proportions and thereby concentrating the piperylene in the kettle product.

2,386,376

MAGAZINE TESTING MEANS

Robert M. Whitmore, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application December 22, 1941, Serial No. 423,982
23 Claims. (Cl. 73-167)



1. In a device for testing the operation of a cartridge magazine having a mouth from which cartridges may be ejected one at a time, and a feeding means for feeding the cartridges into said mouth, the combination of means controlled by said feeding means for indicating when the

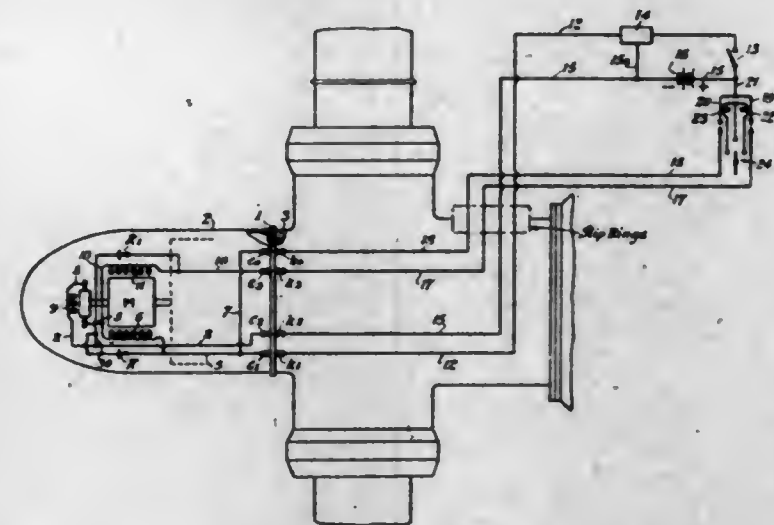
magazine is empty; ejecting means for ejecting dummy cartridges from the mouth of the magazine; driving means for said ejecting means; and means controlled by the indicating means to control the operation of the ejecting means by the driving means to cause the termination of an operation of the ejecting means if the feeding means has operated properly after the last cartridge has been ejected from the mouth of the magazine and to allow the driving means to continue to drive the ejecting means if the feeding means has not operated properly after the last cartridge has been ejected.

2,386,377

ARC DECREASING CIRCUIT

Sidney B. Williams, West Caldwell, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application September 30, 1942, Serial No. 460,307
2 Claims. (Cl. 170-163)



1. In combination, means comprising a motor housing and a propeller hub detachably secured to each other, cooperative fixed and movable switch contact members forming a part of said assembly, electrical conductors carried by said housing for connection to a motor and its field winding, conductors carried by said propeller hub for connection to a source of electrical current and a control means, one of said first named conductors terminating in one of said contact members, one of said second named conductors terminating in the other of said contact members, and means for decreasing the arcing effect at said contact members when said movable contact member is separated from said fixed contact member, said last named means comprising a rectifier disposed in parallel relation with respect to said field winding, the terminals of said rectifier being connected to said first named conductors and said rectifier being carried by said housing.

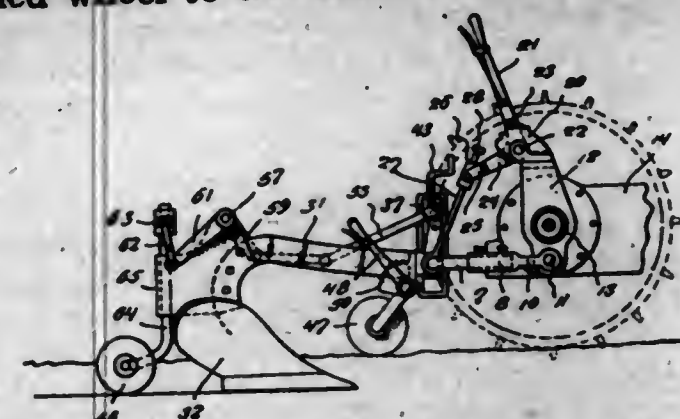
2,386,378

TRACTOR PLOW

Robert P. Wippel, Kansas City, Kans.
Application April 29, 1944, Serial No. 533,366
3 Claims. (Cl. 97-47)

1. Means for attaching a plow to a tractor and comprising a transverse shaft, means pivotally connecting the ends of the shaft to the tractor for vertical swinging movement, a transversely extending frame member carried by the front end of the plow, means for tiltably connecting the frame member to the shaft and also for bodily movement with the shaft, a vertically adjustable gage wheel supporting the frame member and shaft, a vertically adjustable ground wheel be-

hind the plow, and means connecting the last named wheel to the shaft and operable to raise



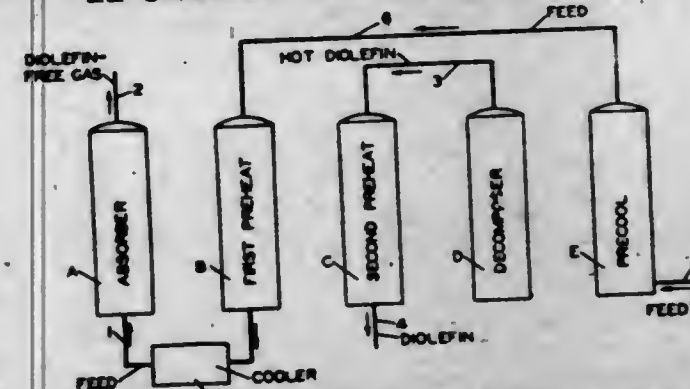
and lower the ground wheel in accordance with the vertical movement of the shaft.

2,386,379

DIOLEFIN RECOVERY

I. Louis Wolk, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application January 28, 1943, Serial No. 473,872
11 Claims. (Cl. 260-681.5)



1. In a process for separating aliphatic conjugated diolefins from hydrocarbon mixtures containing the same which comprises contacting said mixtures with a reagent comprising a salt of a heavy metal of groups I and II of the periodic system which is capable of forming a decomposable complex with said diolefins, at reaction temperatures to permit the formation therein of a metal salt-diolefin complex followed by heating said complex at temperatures sufficient to effect decomposition thereof to liberate the combined diolefin, the steps which comprise contacting hot metal salt reagent from which diolefin has been liberated with a relatively cool gaseous medium to effect partial cooling of said metal salt reagent and partial heating of said gaseous medium, contacting a body of reagent containing the metal salt-diolefin complex with said gas containing the heat imparted to it in the preceding step to cause said gas to impart said heat to said complex, and effecting decomposition of said complex to liberate said diolefin.

2,386,380

TROPICAL LOUVER CONSTRUCTION

William A. Andresen and Louis Boero, Chicago, Ill., assignors to The Casement Hardware Company, Chicago, Ill., a corporation of Illinois
Application May 28, 1942, Serial No. 444,874
5 Claims. (Cl. 20-62)



3. In a louver construction adapted to provide a light-tight closure for an air and light open-

ing of an enclosure, a hardware unit, installable as such, comprising: a jamb strip which possesses inherent springiness and includes a first flange adapted to be secured to one side of the air and light opening and a second flange integral with and extending from said first flange, said second flange being spaced inwardly away from its associated side of the opening, and a plurality of slat-carrying members elongated in the direction of the width of the slats to be received therein and intermediately pivoted to said second flange, said slat-carrying members presenting to said second flange surfaces which are transversely convexly curved and snugly coextensively engaged by said second flange in order to provide light-tight joints between said slat carrying members and said flange surfaces.

2,386,381

PROCESS OF PRODUCING A PLASTICIZING COMPOSITION

Ralph T. K. Cornwell, Fredericksburg, Va., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
No Drawing. Application September 12, 1942, Serial No. 458,139

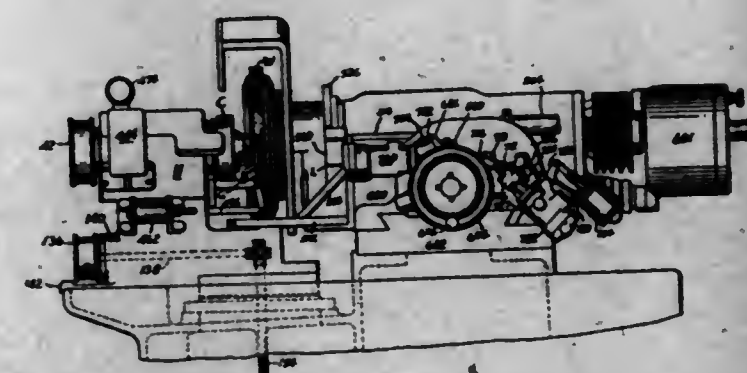
6 Claims. (Cl. 195-38)

6. A process of producing a plasticizing composition comprising fermenting an aqueous alkaline solution comprising a fermentable sugar, yeast and nutrient salts for said yeast to give alcohol, acetic acid and glycerol, maintaining the solution alkaline during fermentation by carrying out the fermentation in the presence of an excess of a water-soluble alkaline compound which, by reaction with the acetic acid produced, will give a water-soluble acetate having hygroscopic properties, distilling the alcohol from the fermented liquor, concentrating the residue, repeating the fermentation, distillation and concentration until the desired glycerol content is obtained, and dialyzing the fermented liquor to obtain an aqueous solution containing glycerol and said acetate.

2,386,382

GRINDING MACHINE

Raymond H. Cramer, Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application July 30, 1940, Serial No. 348,398, now Patent No. 2,311,213, dated February 16, 1943. Divided and this application May 20, 1942, Serial No. 443,756
16 Claims. (Cl. 51-165)



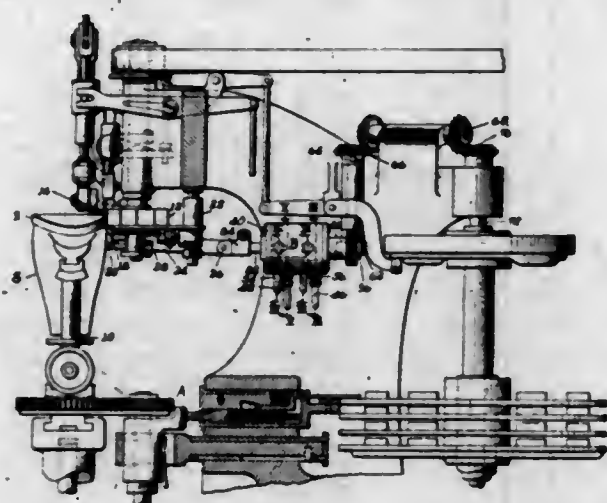
5. In a machine of the character indicated, a work head for supporting a work piece, a tool head having a machining tool to engage the work piece, a work contacting feeler to control the size of the work, means for bringing the work and the tool into machining contact, and mechanism for moving the feeler towards the work, a controlling device for starting said means and said mech-

anism, and a retarding device in said mechanism for delaying contact of the feeler with the work until the work and the tool have been in machining contact for a substantial portion of the machining period.

2,386,383

CONTROLLING MECHANISM

Lee H. Cushman, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 26, 1943, Serial No. 488,608
6 Claims. (Cl. 12-17)

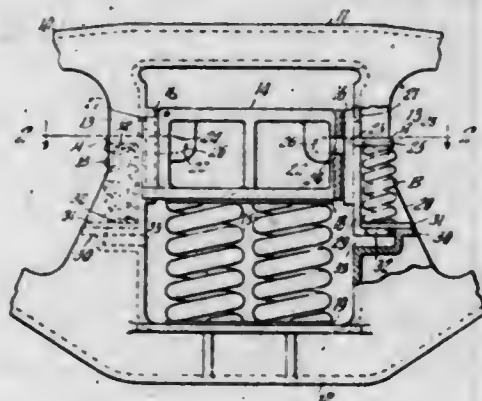


1. In combination, a machine provided with an element for operating upon the work and having a predetermined movement in engagement with said work during each operating cycle of the machine, a servo-motor having an element connected to move the machine element and also including a valve provided by two members movable relatively to each other to control the servo-motor, and means acting under the power of the machine for imparting to the valve members a controlling cycle of relative movement for each operating cycle of the machine.

2,386,384

RAILWAY CAR TRUCK

George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application May 19, 1944, Serial No. 536,325
3 Claims. (Cl. 105-197)



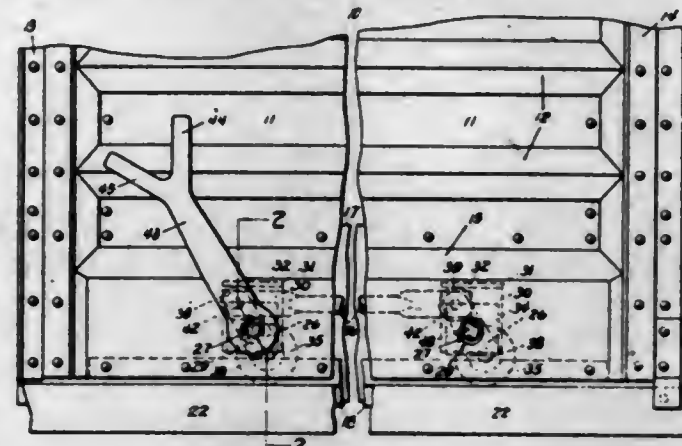
1. In a railway car truck including a truck side frame having spaced bolster guides, the combination with a vertically movable bolster; of a cluster of truck springs supporting said bolster on the side frame; rocking friction members movable with the bolster, each of said friction members having a laterally extending fulcrum arm at one side thereof and a laterally extending spring abutment arm at the other side, said friction members being interposed between the bolster and the bolster guides and slidably engaging said guides, the fulcrum arm of each member

being fulcrumed on the corresponding side of the bolster; and spring means buttressed against the side frame, said spring means engaging the spring abutment arms for pressing the friction members against the bolster guides.

2,386,385

LIFTING MECHANISM FOR SLIDING DOORS

Frank Ditchfield, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application February 10, 1944, Serial No. 521,763
7 Claims. (Cl. 16-99)

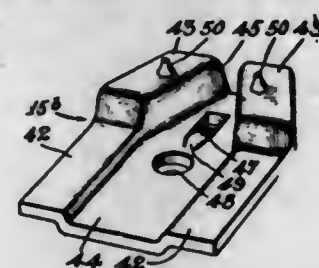


1. Lifting mechanism for a sliding door adapted to be frictionally supported in lowered position by a track comprising spaced, inclined roller housings, aligned trunnions on each housing adapted to extend into slots formed in said door, rollers mounted on each housing equidistantly above and below said trunnions, flanges adapted to be secured to said door above the upper rollers for engagement thereby to lift said door, said lower rollers being adapted to bear against said track during lifting engagement of said upper rollers and said flanges, an operating lever mounted upon one of said trunnions and means connecting said housings for simultaneous operation.

2,386,386

LIGHT GAUGE SECURING CLIP

Ernest G. Doke, Chicago, Ill., assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill., a corporation of Illinois
Application August 8, 1941, Serial No. 405,975
7 Claims. (Cl. 189-35)

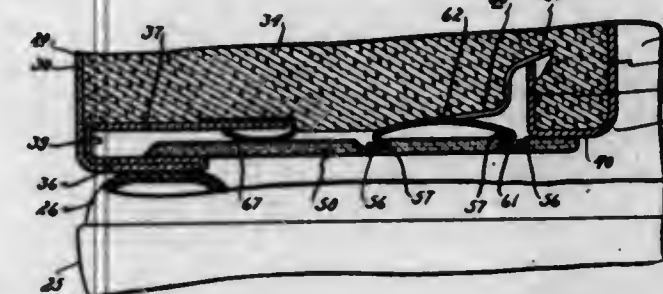


7. In combination in a clip of the character described for securing together a pair of members having respective offset engageable surfaces, a pair of integrally connected offset flange portions for engaging the respective surfaces, and a reinforcing rib extending continuously across both of said flange portions and their integral connection in offset relation to the surface-engaging faces of said portions and having its base provided with a bolt hole spaced from said connection, the external surface of the rib base being plane for engagement with the thrust face of a nut cooperating with a bolt occupying the bolt hole, and said rib having side walls which lie parallel with each other on opposite sides of the bolt hole and are there spaced from each other a distance corresponding with the width of the nut thrust face.

2,386,387

REFRIGERATING APPARATUS

Earl D. Drake, Grand Rapids, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application February 28, 1942, Serial No. 432,732
1 Claim. (Cl. 220-9)

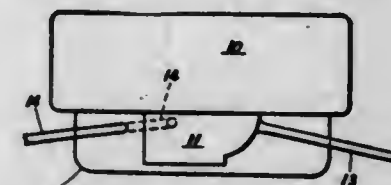


A cabinet construction, comprising inner and outer shells having the edge portions thereof bent inwardly toward each other, the edge portion of the outer shell being bent to form a pocket opening toward the edge portion of the inner shell, an intumed flange extending rearwardly from said edge portion of the inner shell, a breaker strip bridging the space between said edge portions of the inner and outer shells, and having grooves formed on the inner surface thereof, a bowed resilient member provided with fingers engaging said grooves for attaching said member to said breaker strip, an outwardly extending arm on said resilient member, said breaker strip having, in operative position, an edge thereof inserted in said pocket and said arm of said resilient member engaging over said intumed flange and subjecting said arm to tension for maintaining said resilient member in a bowed condition to cause the fingers thereof to grip said breaker strip and to urge said breaker strip into engagement with said edge portion of said inner shell.

2,386,388

CHARGE FORMING DEVICE

Bob Drysdale, Sunnyvale, Calif.
Application May 6, 1944, Serial No. 534,478
6 Claims. (Cl. 123-127)



1. A means for operating a gasoline engine on fuel oil, including a heat-containing air chamber around the engine manifolds, another like-purpose chamber around the carburetor, a pipe connecting the chamber first-mentioned and the carburetor air intake to supply heated air thereto, and means for introducing raw gasoline direct to the inlet manifold of the engine for the purpose of starting only.

2,386,389

PRODUCTION OF CALCIUM AND MAGNESIUM COMPOUNDS FROM DOLOMITE

Frank Elkington, Sheffield, and Heinz Henry Chesny, Worksop, England; said Elkington assignor to said Chesny
No Drawing. Application February 24, 1941, Serial No. 380,088. In Great Britain June 6, 1939
5 Claims. (Cl. 23-67)

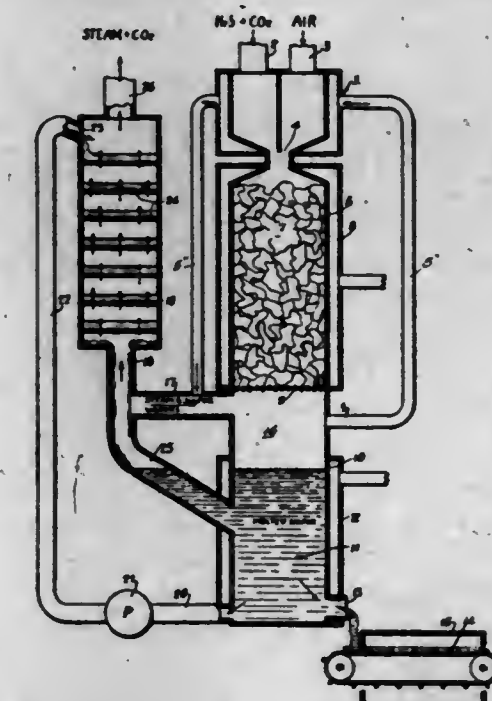
1. The process of producing calcium and magnesium compounds from dolomite which comprises the steps of calcining the material to con-

vert the magnesium and calcium carbonates to oxides, slaking the oxides to form a concentrated slurry and for a sufficient period of time to insure substantially complete conversion of the oxides to hydroxides, treating the slurry with carbon dioxide while maintaining it at a temperature of about 20° C., and thereafter mechanically separating the magnesium carbonate crystals from the calcium carbonate crystals in an atmosphere containing substantial amounts of carbon dioxide substantially equal to that prevailing during the carbonating step.

2,386,390

APPARATUS FOR EXTRACTING SULPHUR FROM GASES

Willis C. Fernelius, West Lafayette, Ind., and James P. McReynolds, Columbus, Ohio
Original application December 1, 1941, Serial No. 421,162. Divided and this application August 26, 1942, Serial No. 456,448
11 Claims. (Cl. 23-262)



1. An apparatus for the recovery of sulphur from gases comprising a tower, an inlet for reacting gases at the top thereof, the upper portion of said tower being filled with packing and forming a reaction space, means for supporting said packing, a receiving space below said supporting means for the accumulation of liquid sulphur, a reflux condenser adjacent said tower, a connection from the bottom of said condenser to the tower immediately below said support, a connection from the bottom of said condenser to the receiving space below said first connection, a connection from the bottom of said receiving space to the top of said condenser, pumping means in said last named connection, an outlet to the exterior from the bottom of said receiving space, a vapor outlet from the top of the condenser and means to maintain said tower at a temperature insuring the reaction in the top portion of the tower and above the liquefaction point of sulphur in the receiving space thereof.

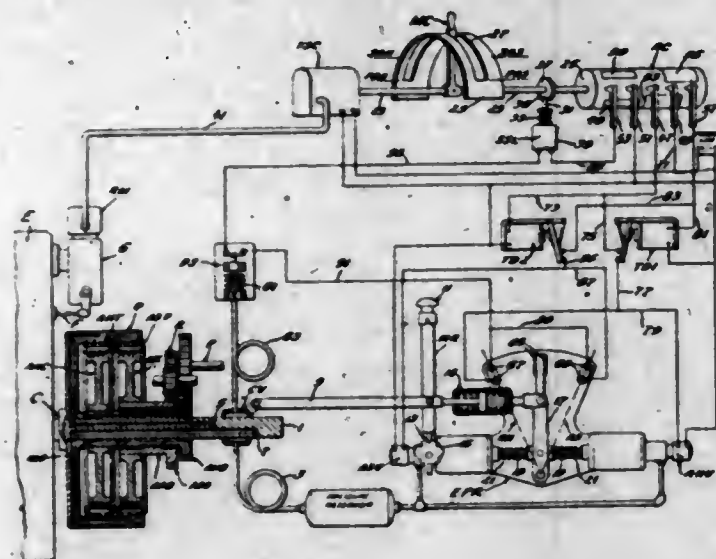
2,386,391

SHIP DRIVE AND MANEUVERING CONTROL SYSTEM

Charles H. Fike and Harry R. Heinzen, Cleveland, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 13, 1943, Serial No. 502,098
13 Claims. (Cl. 192-01)

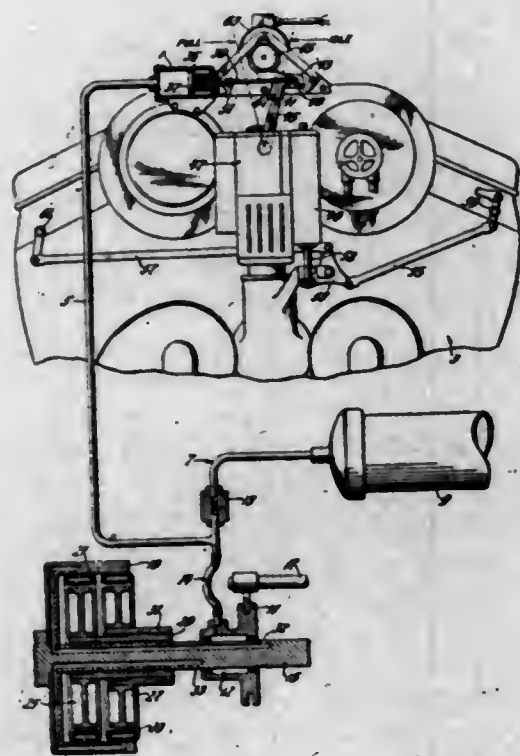
1. A control system for driving means including a prime mover, a reversing gear driven thereby

having pressure engaged ahead and reverse driving clutches, speed varying means for said prime mover, clutch controlling means operable for controlling the pressure applied to either of said clutches and for venting both of said clutches to cause successive engagement and simultaneous disengagement of said clutches, time delay means



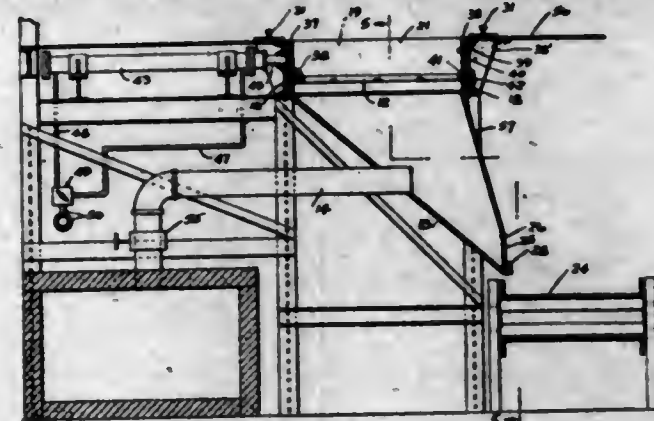
for preventing operation of said clutch controlling means to cause engagement of either clutch until both are disengaged and a manually operable control lever for controlling operation of said clutch controlling means and said time delay means and also for controlling said speed varying means for said prime mover.

2,386,392
ENGINE SPEED CONTROL SYSTEM
Charles H. Fike and Harry R. Heinzen, Cleveland, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 26, 1944, Serial No. 542,168
7 Claims. (Cl. 192—.01)



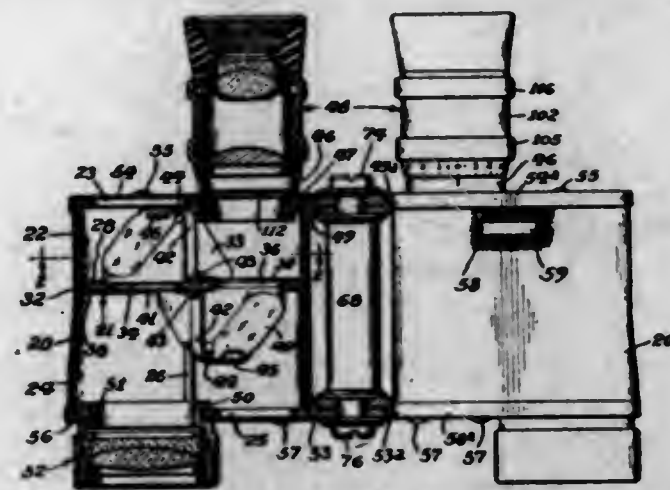
1. A control system for an engine having speed controlling means and a fluid pressure engaged clutch driven by said engine, said control system including a pressure supply line connected to said clutch and including a pressure application control valve and means acting in response to a drop in pressure in said supply line upon application of pressure to said clutch for operating said engine speed controlling means during clutch engagement to cause an increase in the engine speed and thereby prevent engine stalling.

2,386,393
SINTERING APPARATUS
Louis Gelbman, Yonkers, N. Y.
Application March 27, 1944, Serial No. 528,253
16 Claims. (Cl. 266—20)



1. In a sintering apparatus, a stationary furnace unit which includes a stationary pan provided with a stationary grate for receiving a sintering charge, an air draft system for said furnace unit, torch means for igniting said charge to burn and sinter into a cake form, and means for ejecting said cake off of said grate, comprising means for movably supporting one side of said pan by which the side of said pan may be opened, and means for moving said cake through said openable side of said pan.

2,386,394
BINOCULAR
John Alfred Grier, Yonkers, N. Y., assignor to Ordnance Instrument Corporation, a corporation of New York
Application January 7, 1942, Serial No. 425,816
17 Claims. (Cl. 88—33)

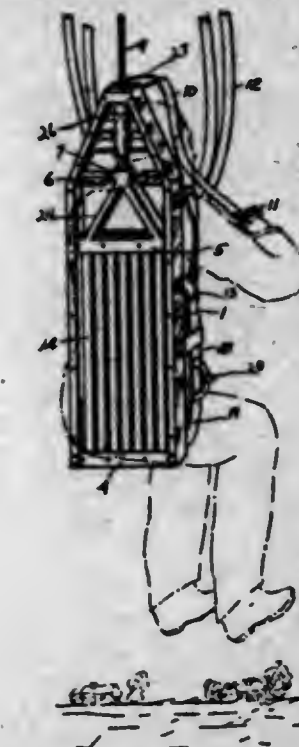


1. In a prism telescope, a barrel including an outer shell, a prism shelf positioned within said shell, an upper spacer member positioned within said shell with its lower end in contact with a portion of the upper surface of said shelf and having its upper end adjacent to and parallel with the upper end of said shell, a lower spacer member positioned within said shell with its upper end in contact with a portion of the lower surface of said shelf and having its lower end adjacent to and parallel with the lower end of said shell, and means for securing said shell, said spacer members, and said shelf together with said shelf substantially parallel with the ends of said shell.

2,386,395
SHOCK ABSORBER FOR PARACHUTES
Russell Hart, Los Angeles, Calif.
Application March 24, 1945, Serial No. 584,587
5 Claims. (Cl. 244—151)

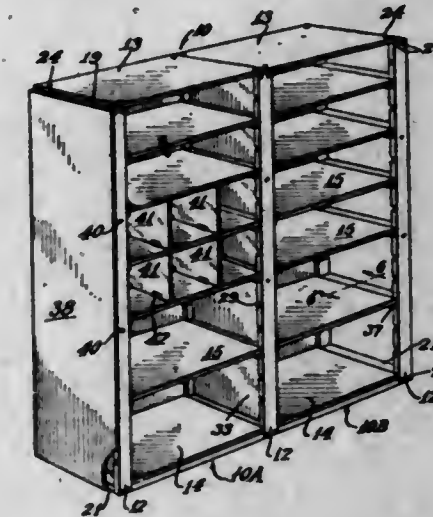
1. In a shock absorber for parachutes, a rigid frame, a load attached to said frame, a suspen-

sion rope leading from the parachute down through a hole in the top of frame and attached to a horizontal bar which is free to move up and down inside the frame, a fixed horizontal bar in



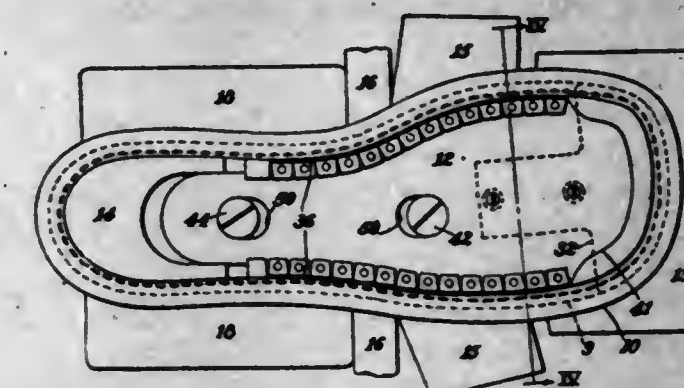
the bottom of frame, said moveable bar and fixed bar being elastically connected, a catch attached to the moveable bar, latches sliding in guides attached to the frame to engage said catch, and means to disengage the latches from said catch.

2,386,396
RACK
William S. Holabird, Hamilton, Ind., and Thomas B. Betterton, Chattanooga, Tenn., assignors to Holabird Furniture Company, Chicago, Ill., a corporation of Illinois
Application November 1, 1943, Serial No. 508,500
2 Claims. (Cl. 211—149)



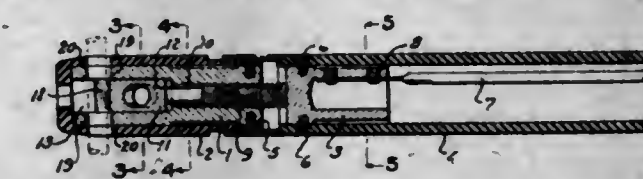
1. In a wall rack, spaced upstanding supporting frames, including front and rear posts, said front and rear posts having relatively shallow horizontal grooves formed in the adjacent faces of corresponding front and rear posts at corresponding vertical positions, a vertical partition in at least one of said frames extending in a central front to rear plane between the front and rear posts, shelf supporting means having their ends received in the grooves of corresponding front and rear posts, the shelf supporting means in said partitioned frame having edge abutment with the partition therein, a shelf of a length corresponding to the spacing of the supporting frames having its ends resting upon corresponding shelf supporting means, and a filler on said shelf supporting means of a height equal to the thickness of the wooden shelf to provide a plane surface extension for said shelves between the posts of each frame.

2,386,397
WORK SUPPORT
Eric A. Holmgren, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 20, 1944, Serial No. 568,963
18 Claims. (Cl. 12—123)



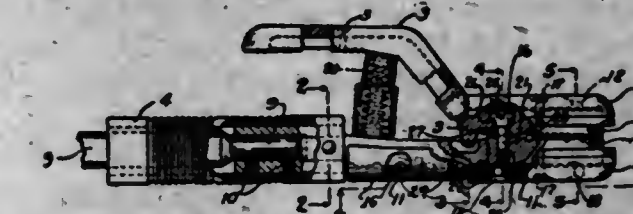
1. An inner form for supporting a prewelt upper by its welted margin, said form being reversible for operation on right and left uppers, and means on each work supporting surface of said form defining thereon an overwiping area.

2,386,398
ELECTRODE HOLDER
Honel A. Jackson, Detroit, Mich.
Application February 4, 1944, Serial No. 521,006
1 Claim. (Cl. 219—8)



A holder for an arc-welding electrode comprising a head having a longitudinal opening therein, one portion of said opening being threaded and another portion of polygonal cross section, a threaded handle shank having a screw fit in the threaded portion of said bore and having an end adapted to project into the other portion of said bore, a slidable block in the polygonal portion of said bore arranged to abut the handle and be moved outwardly of the polygonal portion of the longitudinal bore when the handle shank is turned in said head, said locking block having a V groove in its outer end and also an oblique opening therethrough, opposed openings in said head communicating with said longitudinal opening adjacent said V groove and arranged to cooperate therewith, obliquely opposed openings in said head communicating with said longitudinal bore adjacent said oblique opening and arranged to cooperate therewith whereby an electrode can be optionally locked in said V groove and the first set of openings or in said oblique opening and the set of obliquely opposed openings upon turning said handle shank in said head to move the locking block outwardly.

2,386,399
WELDING ELECTRODE HOLDER
Honel A. Jackson, Detroit, Mich.
Application February 18, 1944, Serial No. 522,868
8 Claims. (Cl. 219—8)



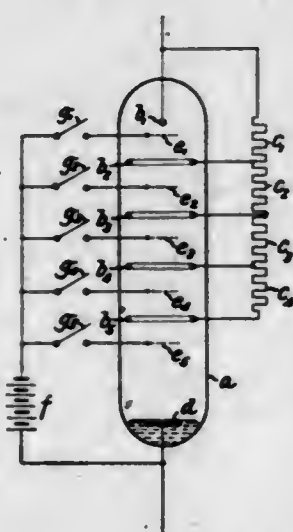
1. In a holder for welding electrodes, the combination comprising jaws adapted to grip an elec-

trode therebetween, a pivotal connection between said jaws in the form of a socket extending inwardly from the outer face of one of said jaws and spaced longitudinally from the outer end of the jaw and positioned entirely within the side faces of the jaw, an opening extending outwardly from the inner face of said jaw and communicating with said socket, and a pivot member extending through said socket and opening and secured to the other jaw between the side faces of said other jaw and pivotally bearing in the socket of the first mentioned jaw whereby the jaws can be swung about said pivotal connection to open the same for reception of an electrode, said pivot member extending substantially perpendicular to the axis of pivoting of said jaws.

2,386,400

ELECTRON DISCHARGE DEVICE

Julius Jonas, Zurich, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a joint-stock company
Application March 9, 1943, Serial No. 478,532
In Switzerland January 26, 1942
7 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising an envelope, a vaporizable cathode, a first anode, a plurality of additional anodes along the arc path from said cathode to the first anode, resistance means connecting said additional anodes to said first anode, and means for blocking arcing conduction to said first anode and thereafter progressively to said auxiliary anodes; said blocking means comprising control devices associated with said first anode and with each additional anode, each said device controlling arcing conduction to its associated anode in accordance with the potentials impressed upon that device.

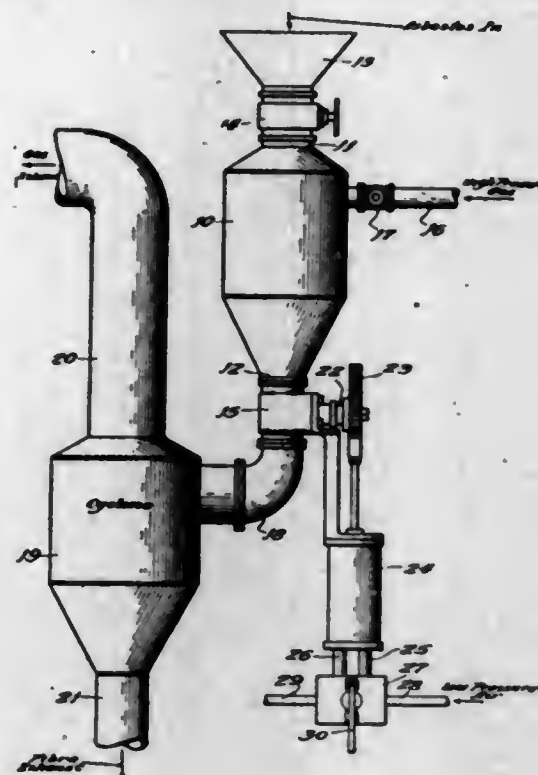
2,386,401

METHOD OF FIBERIZING ASBESTOS

William J. Joyce, Jr., Manheim, Pa., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Application January 24, 1944, Serial No. 519,580
10 Claims. (Cl. 19—1)

1. The method of fiberizing unfiberized or partially fiberized crystalline masses of asbestos to produce asbestos fibers of a desired substantially uniform fineness and without substantial change in the original natural length of the fibers, which comprises: confining the asbestos aggregates in a closed zone together with a gaseous medium chemically inert with respect to asbestos under a superatmospheric pressure sufficient to effect fiberization but insufficient to cause detrimental reduction in fiber length, releasing the pressure suddenly to expel the asbestos from the closed zone into a zone of lower

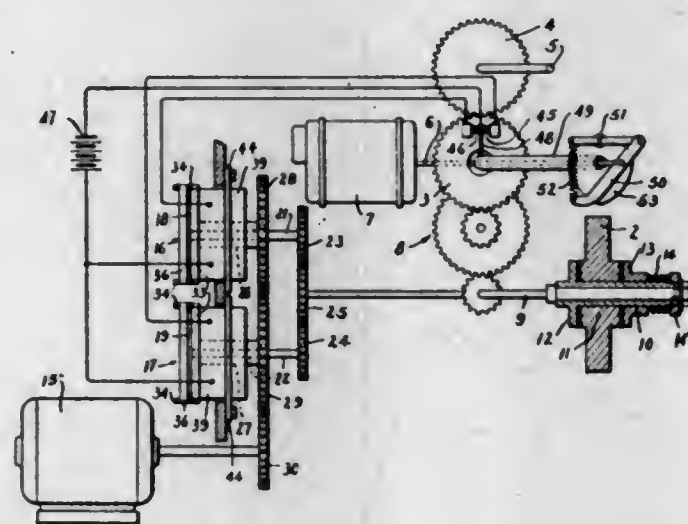
pressure to subdivide said aggregates into fibers of the desired substantially uniform fineness, and recovering the resulting fiberized asbestos.



2,386,402

POWER ACTUATOR

Edgar D. Lilja, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application January 13, 1943, Serial No. 472,265
9 Claims. (Cl. 74—388)



1. An actuator for positioning a driven element in accordance with movements of a control element having, in combination, a driving train coupled to said driven element, a flywheel coupled frictionally to a member of said train, a pair of magnetic friction clutches having magnetic windings and thin driven disks coupled to said train for rotation of the latter in opposite directions according to which of the clutches is engaged, the driving element of each clutch comprising a rotary armature on one side of the driven disk and rotary poles on the opposite side, a source of rotary power driving said driving clutch elements, and switching means responsive to the movements of said control and driven elements and controlling the energization and de-energization of said clutch windings selectively to cause the driven element to follow the movements of the control element.

2,386,403

POLYMERIZED CHLOROPRENE COMPOSITIONS

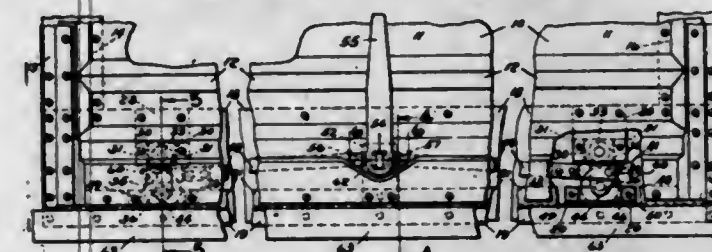
Alexander D. Macdonald, Malden, and James H. Rishton, Wakefield, Mass., assignors to B. E. Chemical Co., Boston, Mass., a corporation of Massachusetts
No Drawing. Application April 7, 1941,
Serial No. 387,266
3 Claims. (Cl. 260—5)

1. A liquid adhesive composition, comprising polymerized chloroprene dispersed in a solvent therefor, said composition containing emulsified water, and chlorinated rubber as an emulsifying agent for said water.

2,386,404

DOOR LIFTING MECHANISM

Thorvald Madland, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application January 5, 1944, Serial No. 517,004
5 Claims. (Cl. 16—99)



1. A lifting mechanism for a sliding door comprising spaced brackets secured to said door, spaced roller housings, main rollers, pins rotatably mounting said rollers in said housings, the ends of said pins extending beyond said housings, auxiliary rollers carried by said housings above said main rollers, said auxiliary rollers lying below and adjacent to said brackets, members on said doors, guideways in said members, said ends of said pins extending into said guideways and means for rocking said housings relative to said main rollers, said auxiliary rollers having rolling bearing against said brackets during rocking movement of said housings to lift said door.

2,386,405

PLASTICIZING POLYVINYL CHLORIDE

Edmund R. Meincke, Akron, Ohio, assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 8, 1943,
Serial No. 509,488
8 Claims. (Cl. 260—36)

1. A composition comprising polyvinyl chloride plasticized with a mixed ester of the general formula



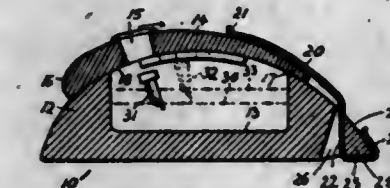
wherein R is the esterifying residue of a polyhydroxy alcohol of the group consisting of alkylene glycols containing 2-4 carbon atoms, polyalkylene glycols containing 4-8 carbon atoms, glycerol and pentaerythritol, X is the residue of 3,6-endomethylene-Δ-4,5-tetrahydrophthalic acid, Y is an esterifying alkyl group containing not more than 8 carbon atoms and n is an integer equal to the number of hydroxyl groups in the alcohol of which R is the residue.

2,386,406
INKSTAND

Martin S. Pollock, East Chester, N. Y.
Application September 17, 1943, Serial No. 502,751
6 Claims. (Cl. 120—57)

1. An inkstand comprising in combination a base having a convex top surface, an ink recess

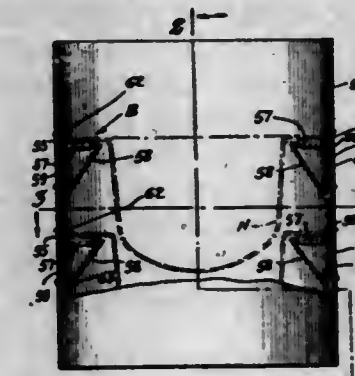
within said base with a cover for said base having a pen tip aperture and having its concave under face resting on said top surface of said base, said base having a lowermost and uppermost anchorage and means held by said anchorage and engaging said cover on the top thereof whereby



when the ink in said recess is at a high level the said aperture in the cover may be moved to the apex for limitedly placing a pen nib therein to reach ink at the high level and when the ink is at a low level the cover may be moved endwise to lower said aperture nearer the low level of said ink.

2,386,407
CARTON

George Rottman, Brooklyn, N. Y.
Application December 1, 1942, Serial No. 467,488
3 Claims. (Cl. 211—32)

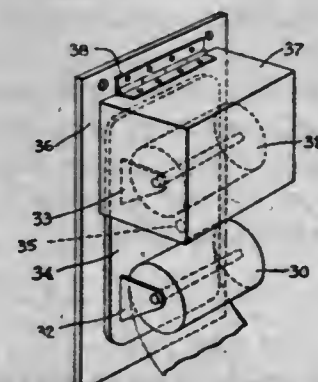


1. A hat-supporting device comprising a wall, a pair of brackets located at the inner face of said wall, each said bracket having a first leg which is connected to said wall, each said bracket having a second leg which is slidably connected to said wall, each said bracket being made from a transversely bendable blank, each said bracket having an intermediate leg which is held parallel to said wall when its second leg is in a first predetermined position, said intermediate leg being outwardly inclined from said other legs when said second leg is slid to a second predetermined position.

2,386,408

DISPENSING DEVICE AND ARRANGEMENT THEREOF

Karl Ludwig Schiff, Philadelphia, Pa.
Application February 4, 1944, Serial No. 521,119
26 Claims. (Cl. 242—55.3)

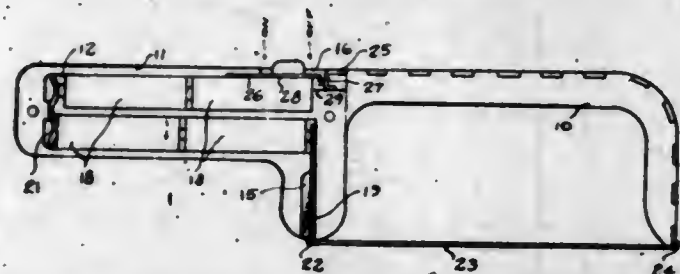


1. In a dispensing device for domestic sheet paper, such as toilet paper, a wall fixture or base, a body on which holding means to support two stocks of the same paper are mounted adjacent each other and relatively close to said base, means for rotatably connecting the body to the base so that it may be swung into two terminal positions around an axis disposed vertically to said wall

fixture and to said body, a covering member mounted on said wall fixture and covering in the one position of said body at least partly the one paper stock and in the other position the other paper stock.

2,386,409
ELECTRICALLY HEATED KNIFE
Thomas F. Saffady, Detroit, Mich.

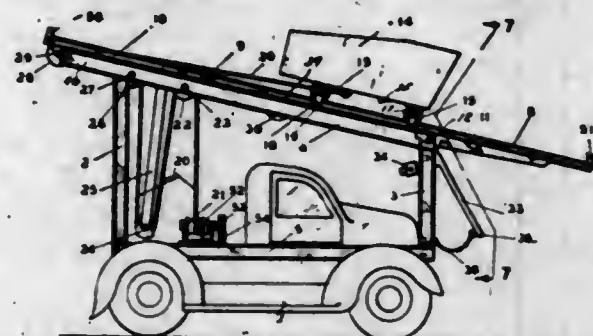
Application December 8, 1944, Serial No. 567,244
2 Claims. (Cl. 219-21)



1. An electrically heated knife comprising a C frame having a handle, a fine resistance cutting wire extending across the ends of the C frame, dry cells in the handle, a bimetal, the other end of the wire being connected to the C frame, mounted on one end of the C frame and connected to one end of the wire and also connected to the dry cells, a band connected to the other end of the wire, and a switch connecting the band to the dry cells, the bimetal being arranged to warp when heated in a direction to stretch the wire and maintain it taut and thus compensate for the expansion of the wire when heated, which expansion, but for the compensating effect of the bimetal, would loosen the wire.

2,386,410
SCOOP LOADER
Thomas R. Taggart, Salem, Oreg.

Application October 3, 1944, Serial No. 556,971
20 Claims. (Cl. 214-104)



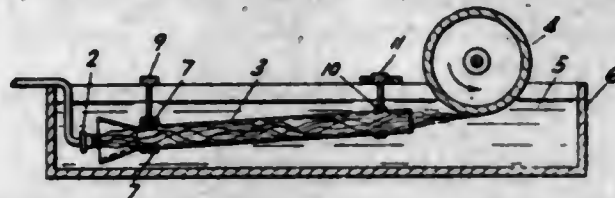
1. A loading scoop including a frame, rails mounted on the frame and each including a fixed section, a relatively movable loading section and a relatively movable dumping section, a scoop mounted for travel on the rails, means to permit lowering of the scoop when in a predetermined position on the loading section of the rails, said means being operative to move the scoop at will to the dumping section and a cooperative element to be engaged by said means following positioning of the scoop on the dumping section to tilt such dumping sections to simultaneously tilt the scoop for the discharge of its contents.

2,386,411
DEVICE FOR COLLECTING FILAMENTARY MATERIALS
Robert J. Taylor, Claymont, Del., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application April 17, 1943, Serial No. 483,507
9 Claims. (Cl. 18-8)

1. In apparatus for collecting filamentary material, a container for receiving a body of liquid,

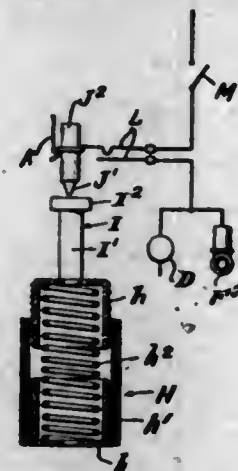
means for introducing a filamentary bundle into the liquid in said container, a winding core, a long hollow guide member in said container substantially entirely under the body of liquid therein



for conducting the filamentary bundle to the core, said member being pivotally mounted near its entrance end, and means for traversing its discharge end with respect to the core.

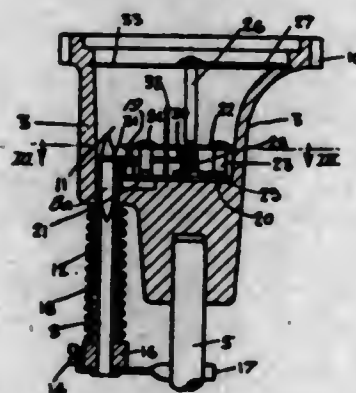
2,386,412
LIQUID DETECTING MEANS
Richard E. B. Wakefield, Aldan, Pa., assignor to Selas Corporation of America, a corporation of Pennsylvania

Application April 28, 1942, Serial No. 440,780
8 Claims. (Cl. 73-40)



2. A liquid detector element comprising two relatively movable parts, means to bias said parts for relative movement, and bonding means including an adhesive agent having its adhesive properties impaired by contact with said liquid and normally maintaining an adhesive bond connection between said parts to hold them against relative movement but rendered inoperative when said bond is wetted with said liquid.

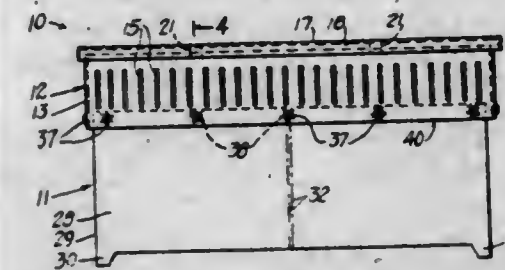
2,386,413
VALVE POSITION INDICATOR
Richard Fife Walker, Cheltenham, England, assignor to Walker, Crosswell & Company Limited, Cheltenham, England
Application January 6, 1943, Serial No. 471,426
In Great Britain December 31, 1941
4 Claims. (Cl. 116-125)



1. For use in connection with a valve having an operating spindle, a valve-position indicator comprising a casing adapted to be clamped to the said spindle, a graduated dial in the casing, a pointer adapted to move over the dial under the action of a pivoted toothed quadrant within the said casing and meshing with a pinion rigid with

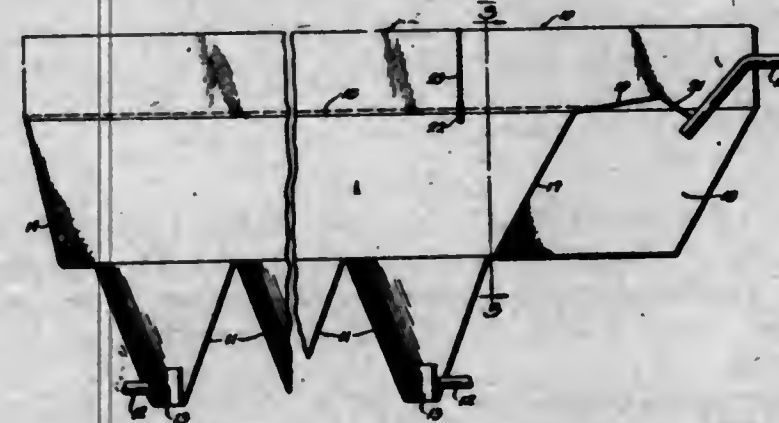
said pointer, a rod terminating inside the casing in a surface which is inclined to, and is in contact with, a portion of said quadrant, the rod being caused to project to a greater or lesser distance into the casing when the valve spindle is rotated, thus causing said inclined surface to ride over said portion of the quadrant for imparting angular movement to the latter and turning the pointer.

2,386,414
RADIATOR ENCLOSURE
Morris Watnick, Brooklyn, N. Y.
Application January 8, 1944, Serial No. 517,613
2 Claims. (Cl. 257-136)



1. A radiator enclosure including a top section and a bottom section, the top section being a generally rectangular metallic structure, the bottom section consisting substantially entirely of a fibrous, board-like insulator wall having throughout the same an outer covering of decorative paper continuously secured thereto, the insulator wall having vertical wall portions including a side wall portion and end wall portions and being otherwise open at the top and bottom and at its remaining side, the wall portions being interconnected by hinge portions integral with at least part of the insulator wall, the latter having an upper edge portion protectively disposed within a lower edge portion of the top section and in spaced relation to the latter, and spacing means detachably interconnecting said upper and lower edge portions at spaced points so that the lower section supports the upper section and whereby the flow of heat from the top section to the bottom section is arrested to avoid damage to the decorative paper cover, in cooperation with the insulator material of the bottom section.

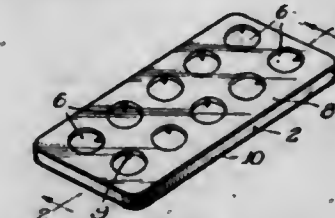
2,386,415
TREATING TANK
Roderick S. Webster, Evanston, and Phillip C. Will, Oak Park, Ill., assignors to The Hydro-Blast Corporation
Application September 27, 1944, Serial No. 556,070
5 Claims. (Cl. 209-155)



1. In a treating tank for treating a mixture of liquid and insoluble solids, a mixture inlet pipe discharging downwardly and inwardly of the tank at one end thereof, a partition extending transversely across the tank inward of the inlet pipe, a beach plate connected to the partition lying at an acute angle to the horizontal and

sloping downward from said one end of the tank with its lower edge below the normal liquid level in the tank, and an inlet plate secured to the upper edge of the beach plate and sloping downwardly at an acute angle to the horizontal toward said one end of the tank, the inlet pipe discharging below the inlet plate.

2,386,416
TABLET AND MEANS FOR PACKAGING SAME
Warren F. Wilhelm, Chicago, Ill.
Application March 1, 1943, Serial No. 477,515
8 Claims. (Cl. 206-42)



1. In a device of the character described, the combination of a container having a centrally disposed element formed with one or more openings therethrough, contained elements disposed in said one or more openings, frangible closure elements secured to said first named element in closure relation to said openings, said one or more contained elements having at least one relatively sharp protuberance extending above at least one of the surfaces thereof which face the frangible elements and in substantial engagement therewith to facilitate rupturing of the same upon application of external pressure in the vicinity thereof.

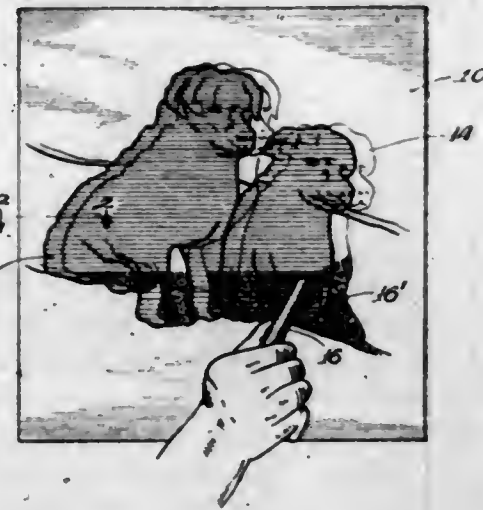
2,386,417
LIPSTICK HOLDER
Huna L. Apfelbaum, Brooklyn, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application May 21, 1943, Serial No. 487,866
3 Claims. (Cl. 206-56)



3. In a lipstick holder, an outermost shell having a top opening and having a longitudinal groove in the inner surface thereof extending part way through the thickness of the shell whereby the outer surface of the shell remains imperforate, an intermediate shell provided with a pair of diametrically opposed gear members and having a groove therein in part longitudinal and in part helical, an innermost shell having a helical groove therein and provided with a rotatable base mounting the outer shell and the intermediate shell thereon, a lipstick carrier within the innermost shell, a single concealed operating pin fixed to the carrier and projecting through the grooves of the innermost and intermediate shells and into the groove of the outermost shell, a flange at the upper end part of the intermediate shell inwardly overhanging the innermost shell and preventing upward movement of the innermost shell, a pair

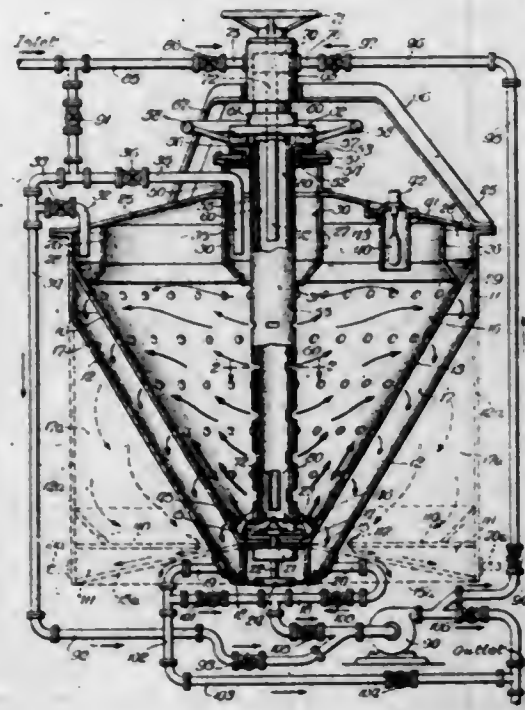
of segmental cover members adjacent the opening, a pair of diametrically opposed pivots pivotally securing the members to the outermost shell, and a gear member on each of the cover members engaging one of the gear members of the intermediate shell.

2,386,418
THREE-DIMENSIONAL PICTURE
John T. Armbrust, Chicago, Ill.
Application April 22, 1942, Serial No. 440,005
8 Claims. (Cl. 35-26)



1. That process of making a stereoscopic picture which comprises printing a first view in colored ink on a sheet of paper, superimposing a second view of the same subject in substantially transparent, colorless material, said views being stereoscopically related to each other, and rubbing said second view with a crayon of stereoscopically contrasting color.

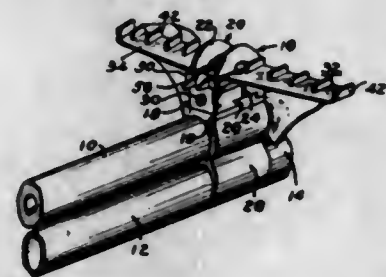
2,386,419
STREAMCURRENT APPARATUS FOR HANDLING SOLUTIONS AND SUSPENSIONS
George A. Auer, Chicago, Ill.
Application August 12, 1943, Serial No. 498,330
22 Claims. (Cl. 259-95)



1. Apparatus for handling liquids comprising a tank, a downwardly and uniformly inwardly tapering partition disposed in said tank substantially throughout its axial extent and forming an inner and an outer chamber therein, a tubular liquid supply conduit disposed in said inner chamber and having an outlet at the bottom thereof for introducing liquid into said inner chamber, said conduit and said partition being so constructed and arranged that hydraulic stream-current agitation is produced within the liquid

in the inner chamber, responsive to the introduction of said liquid, which affects the entire liquid body in said inner chamber regardless of the amount thereof and displaces such liquid body in such inner chamber solely upwardly and radially symmetrically outwardly, and discharge means for removing liquid from the outer chamber at the bottom thereof, said discharge means being so constructed and arranged relative to said partition that the hydraulic agitation as noted is produced incident to discharge of liquid from the device.

2,386,420
GUN SIGHT
William J. A. Bailey, Packanack Lake, N. J., and Charles E. Whiteman, Richmond Hill, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 1, 1944, Serial No. 538,216
1 Claim. (Cl. 33-51)



A front sighting attachment for firearms comprising a metal member having a horizontal table portion, a plurality of sighting elements projecting upwardly from said table portion at transversely spaced points therealong, said sighting elements being in the form of relatively flat upstanding flanges, said flanges being arranged with their longitudinal axes converging toward each other in one direction and intersecting substantially at the location of the rear sight of a gun upon which the sighting attachment is mounted.

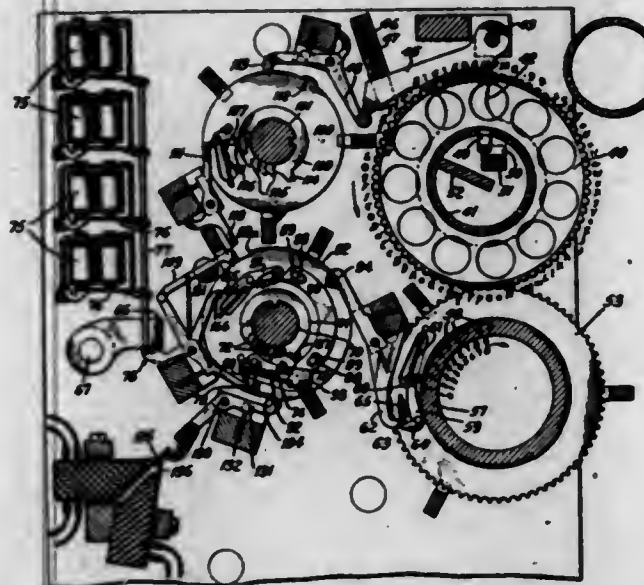
2,386,421
METHOD OF PREPARING NEUTRAL SHELLAC SALTS
Henry Hall Bassford, Jr., Brooklyn, N. Y., assignor to U. S. Shellac Importers Association, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 15, 1942, Serial No. 443,167
3 Claims. (Cl. 260-102)

1. A method for preparing a dry, neutral shellac salt of volatile alkali which comprises exposing the shellac, in finely divided form, to the moist vapor of a volatile alkali until a shellac salt of the alkali is formed and then aerating the salt to remove moisture and unreacted alkali.

2,386,422
ALPHABETIC PRINTING MECHANISM
Horace S. Beattie, East Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 19, 1943, Serial No. 476,419
9 Claims. (Cl. 101-93)

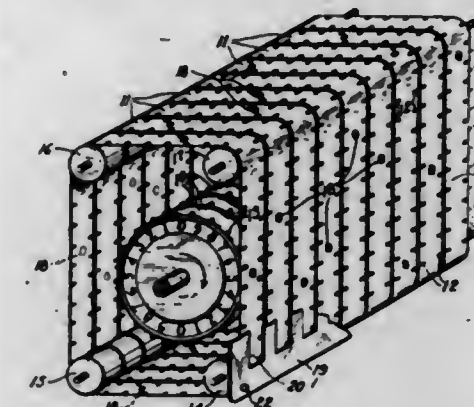
1. In a machine of the class described controlled by cards bearing holes appearing singly in a column, or bearing holes appearing in pairs but always as adjacent holes between which no other hole can appear, an operating means, a movable member carrying a plurality of groups of type, one group alternately arranged with re-

spect to the other group, a clutch intermediate said member and said operating means, means for analyzing the card holes, means controlled by said analyzing means upon the analysis of the first hole for determining the time of engagement of said clutch and said operating means for predetermining the extent of movement of said



member to select a type of one group, and further means controlled by said analyzing means upon analysis of an adjacent hole, if it occurs, for changing the time of engagement of said clutch and said operating means for modifying the extent of movement of said member to select a type of the other group.

2,386,423
CODE PRESENTATION REGISTER
Robert T. Blakely, Silver Spring, Md., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 4, 1944, Serial No. 534,133
6 Claims. (Cl. 235-125)

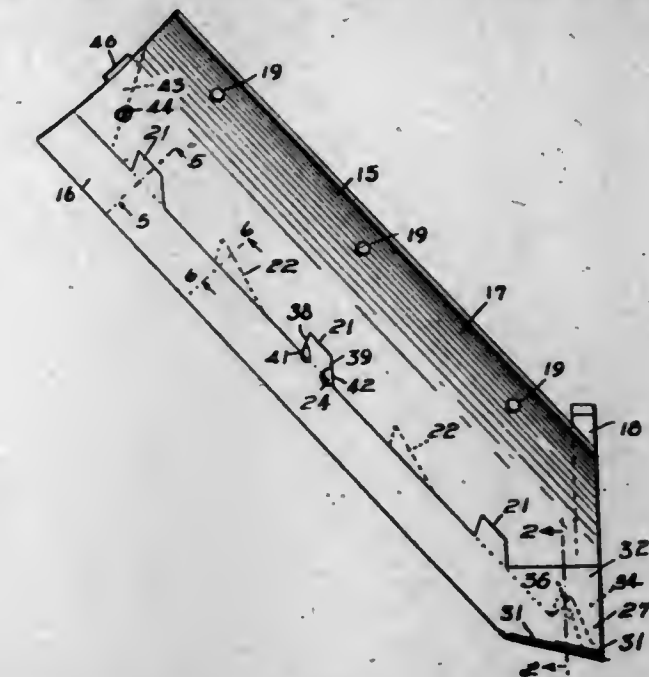


1. In an arrangement for obtaining simultaneously a photographic record of a digit value indication and a coded representation of the same digit value indication, a counting element carrying opaque digit value indications positionable to be visible at a reading line, and a transparent band in front of said element through which such digit value indications are visible, bearing an opaque spot and movable correspondingly with such counting element to cause said opaque spot to be variably positioned from a datum line to digit representing positions corresponding to the digit value indication at said reading line.

2,386,424
FLOWSHARE
Lawrence Boots, Bayard, Iowa
Application November 6, 1944, Serial No. 562,175
7 Claims. (Cl. 97-125)

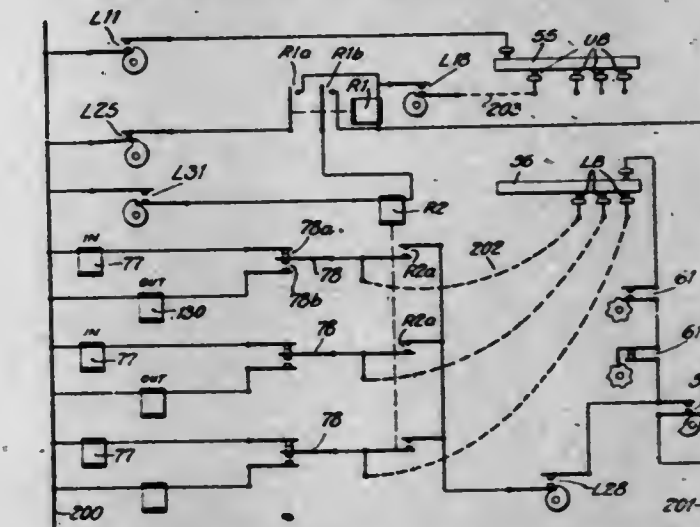
1. In a plow share comprising a body section and a detachable blade section, upright projec-

tions on the top edge of said blade section spaced longitudinally of said blade section, with alternate ones of said projections being at one side of said blade section and all of said projections being within the transverse confines of said blade section, said body section having side cavities open to the lower edge thereof and arranged in a corresponding relation with said projections, said cavities being adapted to receive said pro-



jections, on a rearwardly inclined movement of said blade section relative to said body section, with the outer surfaces of said projections substantially flush with the face and back surfaces of said body section, and means for releasably locking said blade section against forward movement relative to said body section, with said last mentioned means being within the confines of the face and back surfaces of said plow share.

2,386,425
ADDING AND SUBTRACTING MECHANISM
Samuel Brand, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 17, 1943, Serial No. 491,135
9 Claims. (Cl. 235-61.8)

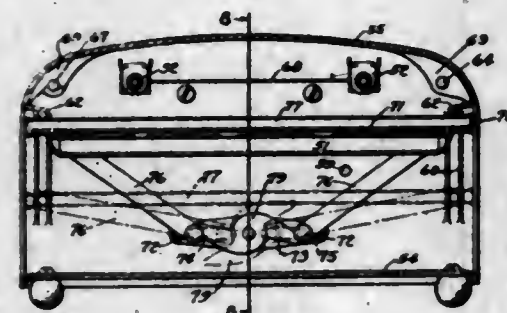


7. In an adding machine having an adding wheel, an adding clutch mechanism, a differentially operable clutch knockout mechanism, and driving means, in combination with means for successively sensing a plurality of digit representing perforations in a record card column, a switch operated by said mechanisms to connect the sensing means to either mechanism, operation of either mechanism by said sensing means causing the device to disconnect said mechanism from the sensing means and connect the other mechanism to the sensing means for operation, whereby said mechanisms will be alternately operated by the sensing means in response to the sensing of successive perforations.

2,386,426

ELECTRIC BROILER

Herbert E. Brannon, Detroit, Mich.
Application July 11, 1940, Serial No. 344,844
3 Claims. (Cl. 219-19)



3. Electrically heated cooking apparatus including a shell comprising a top wall having a concave lower face, a bottom wall, and end walls connecting the top and bottom walls, said shell having fully open sides, the side edges of said top wall having inturned substantially horizontal flanges thereon spaced a substantial distance above the bottom wall, and an electrical heating element mounted in said shell within the cavity formed by the concave face of said top wall.

2,386,427

VULCANIZATION OF OLEFIN-DIOLEFIN COPOLYMERS

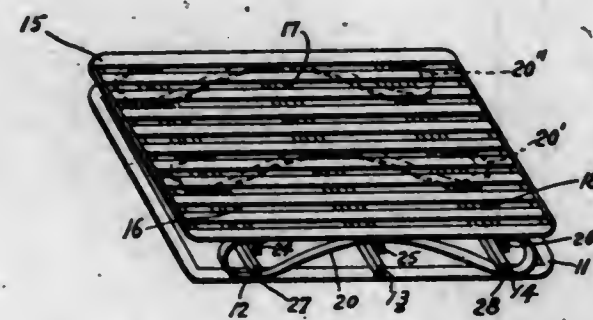
Samuel Breck, Rutherford, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 28, 1943, Serial No. 484,875
4 Claims. (Cl. 260-93)

3. A mixture comprising a copolymer of an olefin and a conjugated diolefin, para-quinone dioxime and a 1,3-epoxybenzofurazane, the said copolymer having a degree of unsaturation less than ten percent of that of natural rubber.

2,386,428

BEDSPRING

Jacob N. Bressler, Detroit, Mich.
Application November 26, 1942, Serial No. 467,028
5 Claims. (Cl. 5-244)

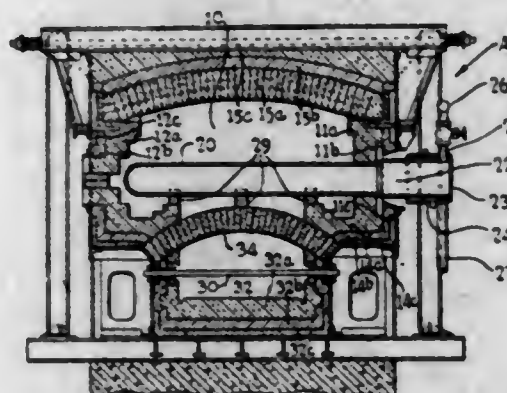


5. A bed spring comprised of an upper supporting frame, a plurality of cross bars thereon, a lower supporting frame, a plurality of cross bars thereon, and a plurality of unitary longitudinally extending springs interposed between said frames, each spring consisting of a substantially flat member inwardly and upwardly bent, at its ends, into substantially semi-circles, with the intermediate portion upwardly curved, the ends and central portion thereof being secured to the upper frame cross bars, said spring being also secured to the lower frame cross bars at points intermediate said ends and said central portion.

2,386,429

PRODUCTION OF METALS IN MULTIPLE RETORT DISTILLING FURNACES

Frank G. Breyer, Wilton, Conn., assignor to Dominion Magnesium Limited, Toronto, Ontario, Canada, a corporation of Canada
Application August 7, 1943, Serial No. 497,732
10 Claims. (Cl. 13-20)

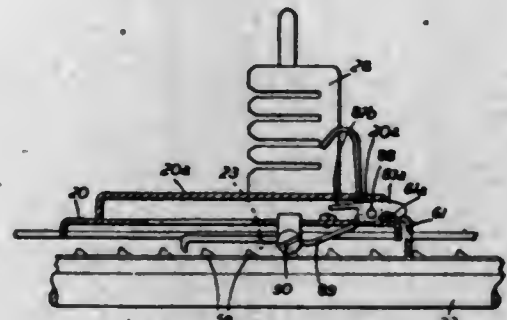


5. A multiple retort metallurgical furnace comprising a horizontally elongated furnace chamber, means disposed along the bottom of said chamber for heating the same, a plurality of metal retorts mounted in a horizontal row in parallel spaced relation to each other within said chamber and intermediate the bottom and the top thereof, and refractory shielding means disposed between each retort and said heating means so as to shield the retorts against direct and irregular heat exchange with said heating means, said chamber being defined predominantly by refractory structures of great heat-absorbing capacity having heat-radiant surfaces the area of which totals at least twice the total area of the heat-absorbing surfaces of said retorts.

2,386,430

MANIFOLDING APPARATUS FOR TYPEWRITING MACHINES

Claude Wellington Brumhill, Leicester, England, assignor to The Imperial Typewriter Company, Limited, Leicester, England
Application February 24, 1943, Serial No. 476,970
In Great Britain November 27, 1942
8 Claims. (Cl. 197-126)

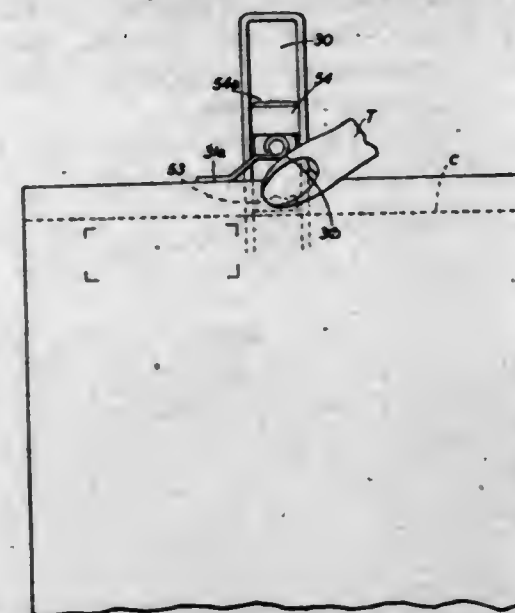


1. In combination with a typewriting machine having a platen displaceable between operative and inoperative positions: manifolding apparatus comprising a carbon support mounted for movement toward and away from the platen; means for moving said support toward the platen; spring mechanism for retracting the support from the platen; means for winding up said mechanism in the displacement of the platen to its inoperative position at the termination of the forward travel of the support; and means for delaying the application of the spring effort to the retraction of the carbon support until the platen reaches a predetermined stage in its travel to inoperative position.

2,386,431

LEADING EDGE GAUGE FOR TYPEWRITING MACHINES

Claude Wellington Brumhill, Leicester, England, assignor to The Imperial Typewriter Company, Limited, Leicester, England
Application February 24, 1943, Serial No. 476,971
In Great Britain November 27, 1942
6 Claims. (Cl. 197-126)

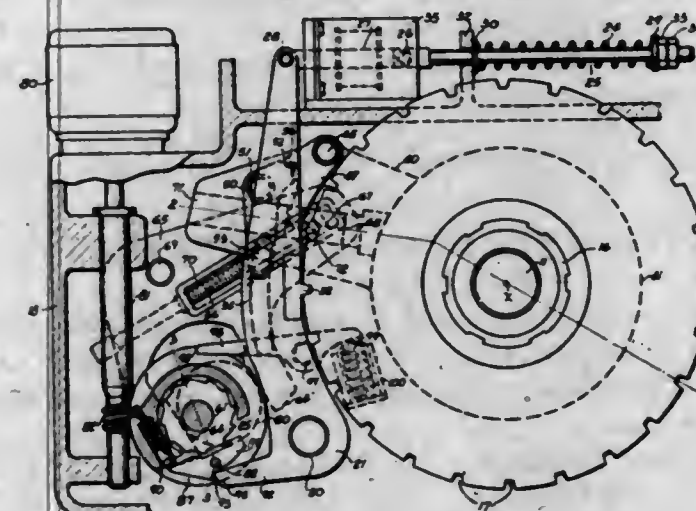


6. In a typewriting machine carriage having a platen-carrying sub-frame, and a paper support arm extending therefrom: a leading edge gauge having a portion longitudinally adjustably secured to said arm and projecting forwardly therefrom, said gauge also having a paper stop portion laterally and longitudinally offset from said securing portion whereby the operator may manually grip the paper against the arm adjacent the securing portion without contact between his hand and said stop portion, and said securing portion being convexly formed to prevent injury to the operator's hand in such gripping.

2,386,432

INDEX MECHANISM

Edward W. Bullock, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application December 29, 1943, Serial No. 516,040
18 Claims. (Cl. 90-57)



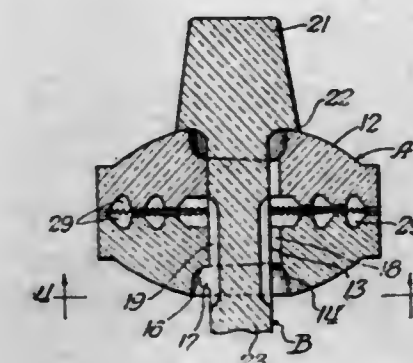
1. In an index mechanism, the combination with a support and a work spindle journaled in the support, of a notched plate secured to the spindle, a lock-dog movably mounted on said support and adapted to engage said plate to hold the spindle against rotation relative to the support, an arm mounted for rotation coaxially of the spindle, a pawl movably mounted on the arm and adapted to engage the plate to rotate the plate on rotation of the arm in one direction, toothed gearing positively connecting the dog and the pawl so that when one is moved into engage-

ment with the plate the other is disengaged therefrom, means constantly urging the dog into engaging position, means operable independently of the arm for periodically disengaging the dog from the plate, and means for rotating the arm, after the pawl is in engagement with the plate and the dog has been disengaged therefrom, to index the spindle.

2,386,433

FILTER

William Carter and Grant Winchell, Chicago, Ill.
Application June 26, 1942, Serial No. 448,542
5 Claims. (Cl. 210-162)



1. A filter unit for a vacuum coffee maker comprising two filter members and a stem having a head at one end and a lug spaced from the head, each said filter member having a central aperture to receive the stem with an offset portion to receive said lug, a convex curved surface adapted to rest against a glass surface, and one surface having a plurality of integral annular concentric weirs with annular grooves between them, a shoulder being provided near said curved surface to engage said lug when the parts are assembled, the parts being so constructed and arranged that when said stem and two filter members are assembled with the said weirs facing each other and the stem extending through said apertures, and the unit placed in position in a top member of a vacuum coffee maker, liquid brewed coffee will be caused to pass between said filter members and across said weirs as it is discharged, said stem being spaced from the filter members sufficiently to permit discharge of liquid downwardly through said central aperture of the lowermost filter member the surfaces of the weirs facing each other being provided with serrations so that the weirs of the two filter members cooperate to produce a coffee straining action.

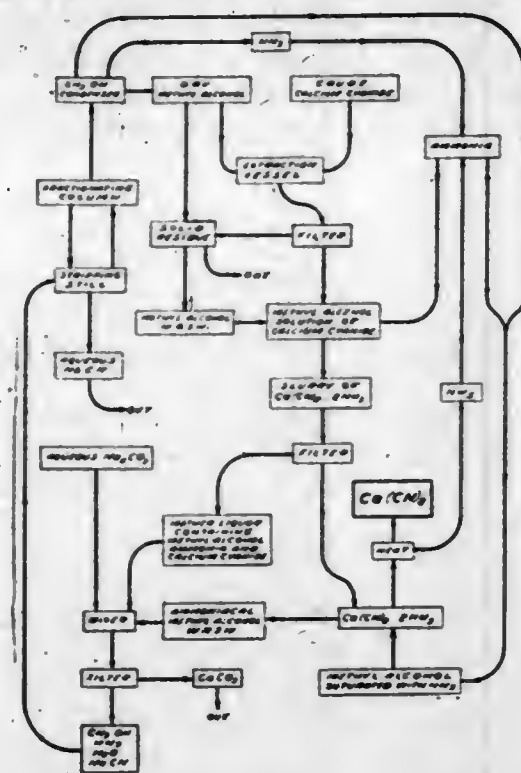
2,386,434

METHOD OF PRODUCING HIGH-GRADE CALCIUM CYANIDE

Ludwig J. Christmann, Yonkers, N. Y., and Alfred G. Houpt, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application April 5, 1943, Serial No. 481,908
10 Claims. (Cl. 23-84)

1. A method of producing calcium cyanide which includes the steps of extracting a crude calcium cyanide with an alcohol chosen from the group consisting of methyl and ethyl alcohol, removing the insolubles, adding ammonia to the extract to precipitate calcium cyanide diammoniate, separating the precipitated calcium cyanide diammoniate from the mother liquor containing

alcohol, ammonia and residual calcium cyanide, deammoniating the calcium cyanide diammoniate,

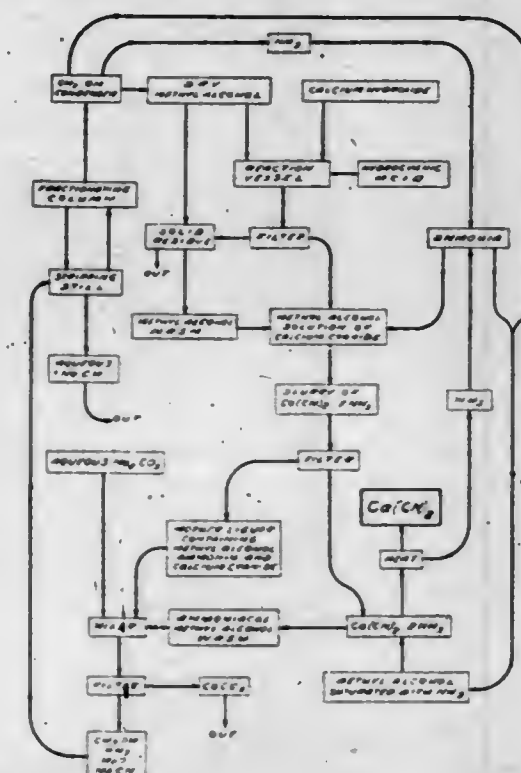


ate, separating a substantially ammonia-free alcohol from the mother liquor and returning the said alcohol to the cycle.

2,386,435

METHOD OF PRODUCING ALKALINE EARTH METAL CYANIDES

Ludwig J. Christmann, Yonkers, N. Y., and Alfred G. Houpt, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application April 24, 1943, Serial No. 484,378
4 Claims. (Cl. 23-79)



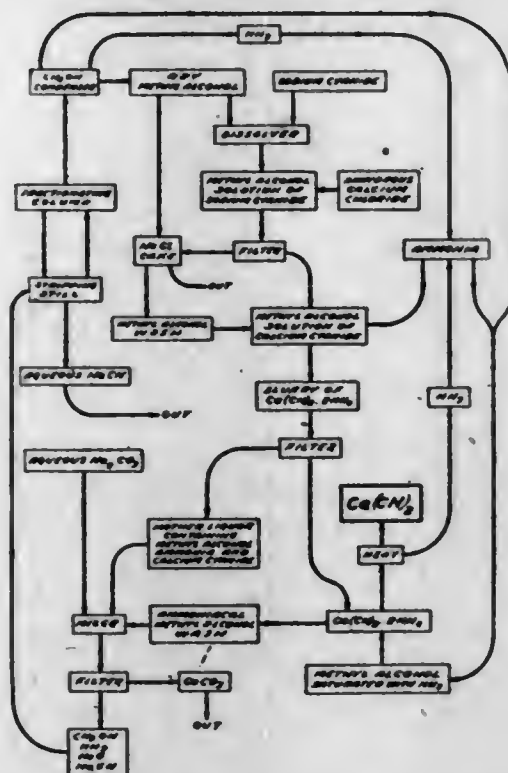
4. A method of producing calcium cyanide which includes the steps of forming a methyl alcohol solution of calcium cyanide by adding HCN to a mixture of calcium hydroxide and methyl alcohol, adding NH_3 to the alcohol solution of calcium cyanide, filtering the precipitated calcium cyanide diammoniate from the mother liquor containing methyl alcohol, ammonia and residual calcium cyanide, adding aqueous sodium carbonate to the mother liquor and removing the precipitated calcium carbonate, distilling the methyl alcohol and ammonia from the thus treated mother liquor, recovering the aqueous sodium cyanide from the still residue, separately

returning the methyl alcohol and ammonia to the cycle, heating the calcium cyanide diammoniate under partial vacuum at a temperature of from 200 to 220° C. and returning the evolved ammonia to the cycle.

2,386,436

PREPARATION OF ALKALINE EARTH METAL CYANIDES BY DOUBLE DECOMPOSITION

Ludwig J. Christmann, Yonkers, N. Y., and Alfred G. Houpt, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application May 10, 1943, Serial No. 486,348
15 Claims. (Cl. 23-79)



1. A method of producing an alkaline earth metal cyanide which includes the steps of dissolving an alkali metal cyanide in an alcohol chosen from the group consisting of methyl and ethyl alcohol, adding an alkaline earth metal chloride to the alcohol solution, removing the insolubles, adding ammonia to the solution to precipitate an alkaline earth metal cyanide diammoniate, separating the precipitated alkaline earth metal cyanide diammoniate from the mother liquor containing alcohol, ammonia and residual alkaline earth metal cyanide, deammoniating the alkaline earth metal cyanide diammoniate, separating a substantially ammonia-free alcohol from the mother liquor and returning the said alcohol to the cycle.

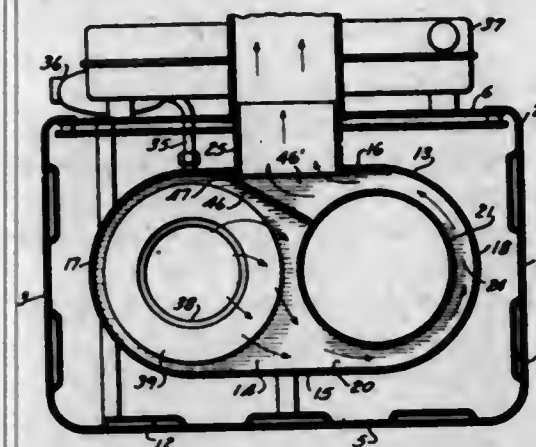
2,386,437

HEATER UNIT FOR AIR CIRCULATING HEATERS

William C. Coleman and Russell Martin, Wichita, Kans., assignors to The Coleman Lamp and Stove Company, Wichita, Kans., a corporation of Kansas
Application February 13, 1941, Serial No. 378,704
2 Claims. (Cl. 126-116)

1. A heater unit including a casing having a top and bottom connected by front, rear, and side walls, at least one of said side walls being curved transversely, an air flow tube extending through the casing and having its ends supported by said top and bottom and having a curved side portion spaced from and cooperating with the curved side wall to provide a curved passageway therebetween having an inlet adjacent the front wall and an outlet adjacent the rear wall, said inlet and outlet being substantially coextensive with the height of said walls, a partition extending from the top to the bottom of the casing and

from the rear wall to the air flow tube for co-operating with the air flow tube in dividing the casing into a combustion chamber at the inlet end of the passageway and an egress chamber at the outlet end of said passageway, a vent con-

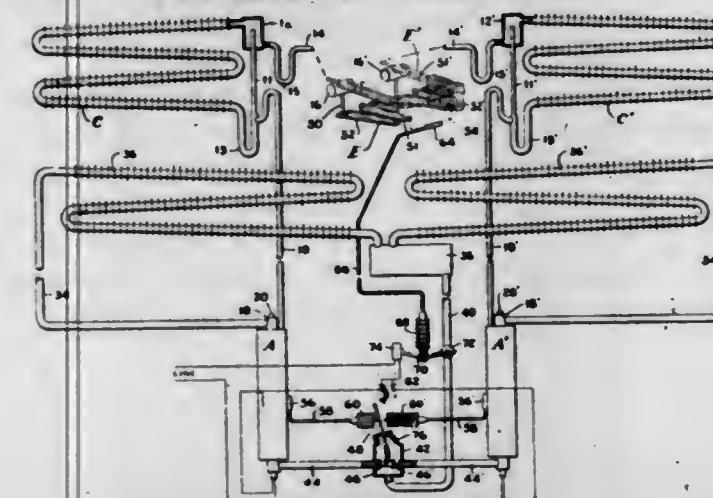


nection from said egress chamber having a flow capacity substantially equivalent to the flow capacity of said passageway for effecting spread of hot products of combustion along the entire height of said curved side wall and air flow tube, and a burner at the bottom of the combustion chamber.

2,386,438

REFRIGERATION

Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application February 25, 1942, Serial No. 432,207
20 Claims. (Cl. 62-5)

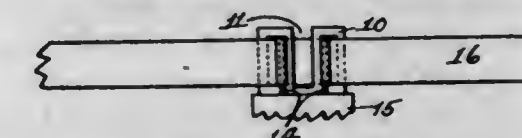


1. A refrigerating apparatus comprising a generator-absorber charged with a refrigerant and an absorbent therefor, means for heating said generator-absorber to evolve refrigerant vapor from the absorbent, means for liquefying at least a portion of said refrigerant vapor and means for passing refrigerant vapor directly from said generator-absorber into said liquid refrigerant for raising the liquid refrigerant from said liquefying means to a higher level.

2,386,439

TYPEWRITER RIBBON GUIDE

Nat Cordis, Chicago, Ill.
Application March 17, 1943, Serial No. 479,413
2 Claims. (Cl. 197-170)

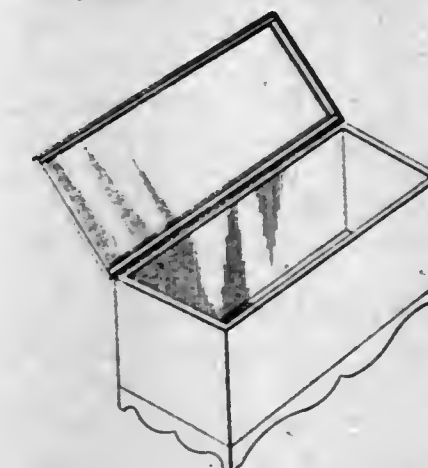


1. The combination with the ribbon carrier of a typewriter having upstanding spaced pins, of a ribbon guide frame formed of sheet material having a central opening for the passage of the type heads, portions of said sheet on opposite sides of said opening being severed at top, bottom and one side and rolled around their unsevered sides to form guide sleeves arranged to fit loosely over said pins.

2,386,440

CEDAR CHEST

Ernest C. Crocker, Belmont, Mass., assignor, by mesne assignments, to The Lane Company, Inc., Altavista, Va., a corporation of Virginia
Application May 26, 1943, Serial No. 488,563
2 Claims. (Cl. 206-10)



1. A receptacle having an inner cedar aroma emanating surface coated with an aroma permeable aroma-emanation controlling film consisting essentially of a hot-water-soluble cold-water-insoluble polyvinyl alcohol, said film being adherent, non-tacky, neutral to cedar oil and aroma and impermeable to colored matter associated with the cedar aroma emanating surface and containing from .01 to .10 ounces of the alcohol per square foot of surface.

2,386,441

BIS-TRIMETHYLSILICYL OXIDE AND ITS PREPARATION

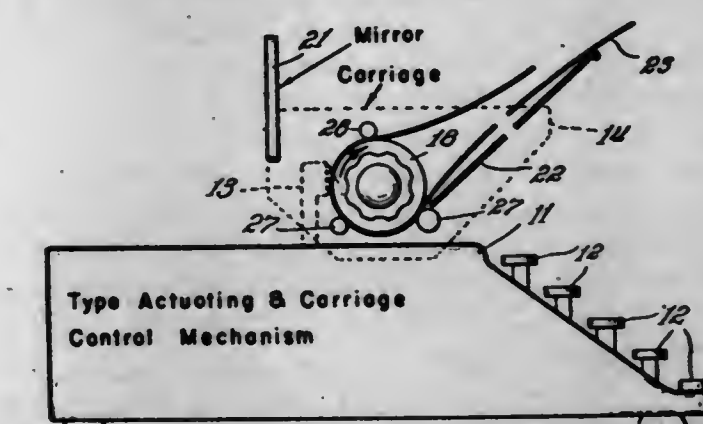
William Herbert Daudt, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application September 1, 1943, Serial No. 500,856
3 Claims. (Cl. 260-607)

3. Bis-trimethylsilicyl oxide.

2,386,442

TYPEWRITER

William Ward Davidson, Evanston, Ill., assignor to Davidson Manufacturing Corporation, a corporation of Illinois
Application October 28, 1944, Serial No. 560,774
9 Claims. (Cl. 197-1)



9. A typewriter for producing reversed image work including a keyboard at the front of the machine, means for holding a member to be typed exposed for typing on the face thereof remote from the operator, type adapted to produce reversed image characters, means controlled by said keyboard for impressing the type against said remote face, and means for holding the member so it does not obstruct the typist's view of the mirror or of the keyboard.

2,386,443

SOFTENING OF RUBBER AND OF SYNTHETIC RUBBERLIKE SUBSTANCES

Arnold R. Davis, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 25, 1941, Serial No. 412,286
15 Claims. (Cl. 260—36)

1. A rubber-like plastic mass comprising a rubber-like product of the polymerization of 1,3-butadiene with a polymerizable material comprising acrylonitrile mixed with a mixed ester of the general formula

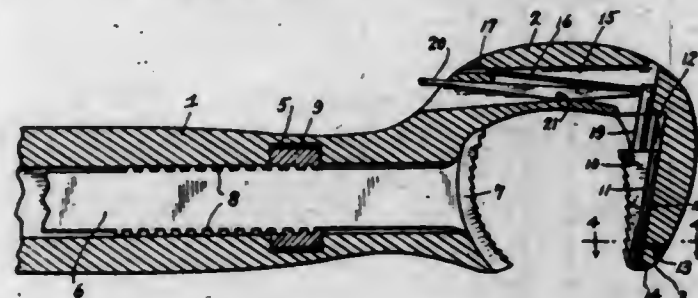


wherein R is the residue of a polyhydric alcohol selected from the group consisting of alkylene glycols containing from 2-4 carbon atoms, polyalkylene glycols containing from 4-8 carbon atoms and glycerol, X is the residue of phthalic acid, Y is an alkyl group containing not more than 8 carbon atoms, and n is an integer equal to the member of hydroxyl groups in the polyhydric alcohol of which R is the residue.

2,386,444

WRENCH

Moroni J. De Graw, Boise, Idaho
Application October 19, 1943, Serial No. 506,875
1 Claim. (Cl. 81—179)



In a wrench of the class described, a hollow handle forming an axial guideway therein, a hook-shaped head at one end of the handle into which said guideway opens and embodying a beak traversing the axis of the handle, a shank in said guideway having a transverse elongated jaw fast on one end thereof within said head, said shank being slidable in said guideway to adjust said jaw toward and from said beak in the axis of the handle, an elongated bar-like jaw in said beak opposed to said first jaw and slidable endwise inwardly and outwardly of said head in an inclined guideway lengthwise of the first jaw, a spring in said head attached to said second jaw and tending to slide the second jaw outwardly, and means in said head coacting with said spring to slide the second jaw inwardly comprising a lever pivoted in said head and extending out of the same at the back of the head with a forward portion engaging said spring, said second jaw being mounted in said beak to move toward the first jaw as an incident to sliding of the same outwardly of the head.

2,386,445

COMPOSITION OF MATTER

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application January 26, 1942, Serial No. 428,226
12 Claims. (Cl. 260—481)

1. Compositions of matter containing a substantial proportion of an esterified aliphatic pol-

ycarboxy sulfo acid fractional diester of a polyoxyalkylene glycol, said esterification involving hydroxyl groups of hydroxylated bodies, said polyoxyalkylene glycol radical having from 7 to 17 alkylene groups.

2,386,446

COMPOSITION OF MATTER

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application January 26, 1942, Serial No. 428,227
3 Claims. (Cl. 260—485)

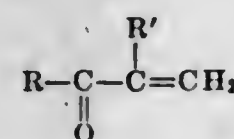
1. Compositions of matter containing a substantial proportion of an esterified aliphatic polycarboxy acid fractional monoester of a polyoxyalkylene glycol, said esterification involving a hydroxyl group of a hydroxylated body, said polycarboxy acid having not more than 6 carbon atoms, said polyoxyalkylene glycol radical having from 7 to 17 alkylene groups.

2,386,447

RUBBERLIKE COPOLYMERS AND METHOD OF MAKING SAME

Robert R. Dreisbach, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application July 11, 1940, Serial No. 344,958
14 Claims. (Cl. 260—66)

1. A rubber-like material comprising as the essential ingredient a co-polymer of at least two polymerizable organic compounds including, first, a diolefinic compound selected from the class consisting of aliphatic conjugated diolefines and 2-chloro-butadiene-1,3, and, secondly, an unsaturated ketone having the general formula:



wherein R represents a radical selected from the class consisting of alkyl and aryl radicals and R' represents a member of the group consisting of hydrogen and alkyl radicals, which polymerizable organic compounds are chemically combined in proportions such that the ketone corresponds to between 58 and 63 per cent of the combined weight of said diolefinic compound and ketone.

2,386,448

PRODUCTION OF SYNTHETIC RUBBERS

Robert R. Dreisbach, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application July 11, 1940, Serial No. 344,959
12 Claims. (Cl. 204—158)

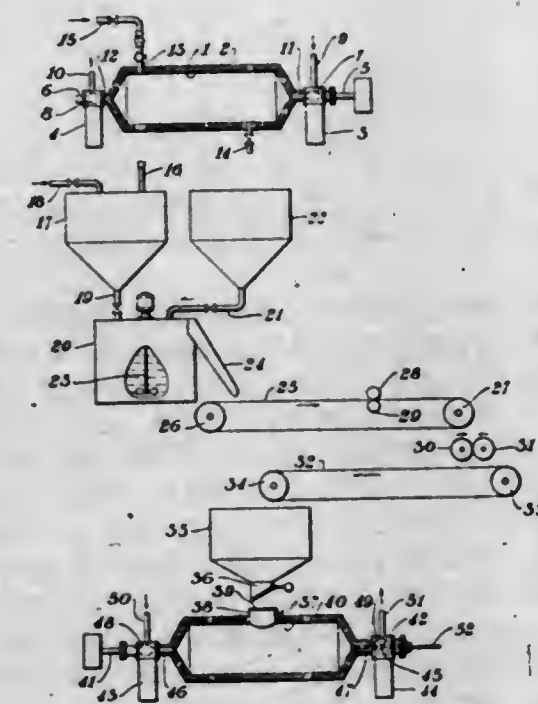
1. In a method for making a rubbery material by the co-polymerization in aqueous emulsion of a mixture of unsaturated organic compounds, including a conjugated aliphatic diolefin and an unsaturated ketone, the conjugated aliphatic diolefin being present in amount corresponding to at least 20 per cent of the combined weight of all polymerizable organic compounds in the mix-

ture, the steps which consist in carrying the polymerization out at a temperature between 30° and 100° C. in the presence of a small proportion of a polychlorinated hydrocarbon, which contains at least 2 carbon atoms in the molecule and is stable in the presence of boiling water, and under exposure to actinic light which is rich in light of wave lengths between 3000 and 6000 angstrom units but which has been filtered substantially to remove therefrom light of wave lengths less than 3000 angstrom units.

2,386,449

RECOVERY OF RUBBERLIKE PRODUCTS FROM EMULSIONS

Robert R. Dreisbach, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application April 14, 1942, Serial No. 438,874
5 Claims. (Cl. 260—93)



1. In a method for recovering from an aqueous emulsion thereof a rubbery polymer which is composed at least in part of a chemically combined aliphatic conjugated diolefin and which is cohesive when permitted to stand without agitation while wet with water, the steps which consist in passing the emulsion and a substantially non-reactive water-soluble salt capable of coagulating the emulsion into admixture with one another while stirring the mixture to cause the rubbery material to coagulate in the form of small irregular shaped pieces having an appearance similar to that of cottage cheese, continuing said operations until the vessel in which the coagulation is carried out is filled to overflowing, whereby coagulated material is carried from said vessel together with the overflowing liquid, feeding the overflow onto a moving surface which is perforated so as to permit liquid to drain from the coagulated product, and continuously squeezing water from the product.

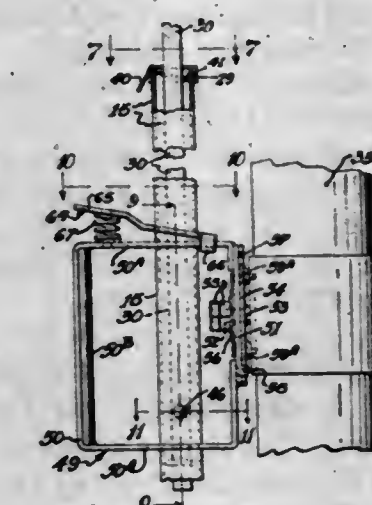
2,386,450

PORTABLE, VERTICALLY ADJUSTABLE, AND COLLAPSIBLE STAND

Harry E. Eller, Chicago, Ill.
Application December 31, 1943, Serial No. 516,571
7 Claims. (Cl. 160—24)

4. In a stand having a tubular post, a casing housing a screen, and a frame adjustable on said

post and adapted to tiltably support said casing, a connection between said frame and said casing comprising a plate secured to said frame, a second plate secured to said casing disposed in face contact with said first named plate and

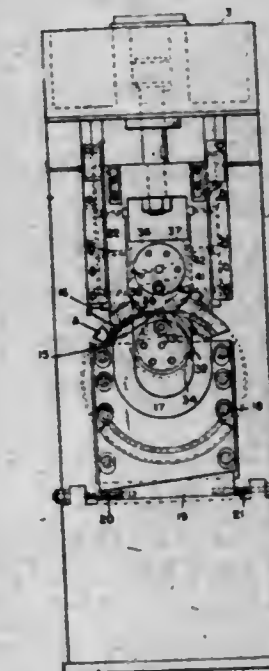


movable relatively to said first named plate, a bolt pivot pin extending through both of said plates and having a securing nut, and a resilient member mounted on said pin between said nut and said first named plate adapted to retain said plates in frictional engagement with one another.

2,386,451

WELD FLASH TRIMMING MACHINE

Emmett S. Ellis, Pontiac, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application March 31, 1942, Serial No. 437,093
11 Claims. (Cl. 90—24)



1. In a weld flash trimming machine, a cutter head, a cutter blade carried by said cutter head and movable along one side of the work across its weld, a second cutter head, a second cutter blade carried by said second cutter head and movable along the opposite side of the work across its weld, means on said first mentioned cutter head cooperating with said first mentioned cutter blade to predeterminedly position the work relative to said first mentioned cutter head and cutter blade, means for moving said second cutter head relative to said first mentioned cutter head toward the work, means on said second cutter head cooperating with said second cutter blade to predeterminedly position said second cutter head and blade relative to the work, and means for moving said cutter heads to move said cutter blades across the weld.

2,386,452

ORGANO SILICON COMPOUNDS AND METHOD OF MAKING THEM

Robert F. Fleming, Jr., Laurens, S. C., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Application September 25, 1942, Serial No. 459,738

10 Claims. (Cl. 260-462)

8. A compound having the general formula $\text{RSi}(\text{O-Alkyl})_3$, where R represents an organic radical which is selected from the class consisting of amino-aryl and N-alkyl-amino-aryl radicals and which is attached to silicon through carbon-silicon linkage.

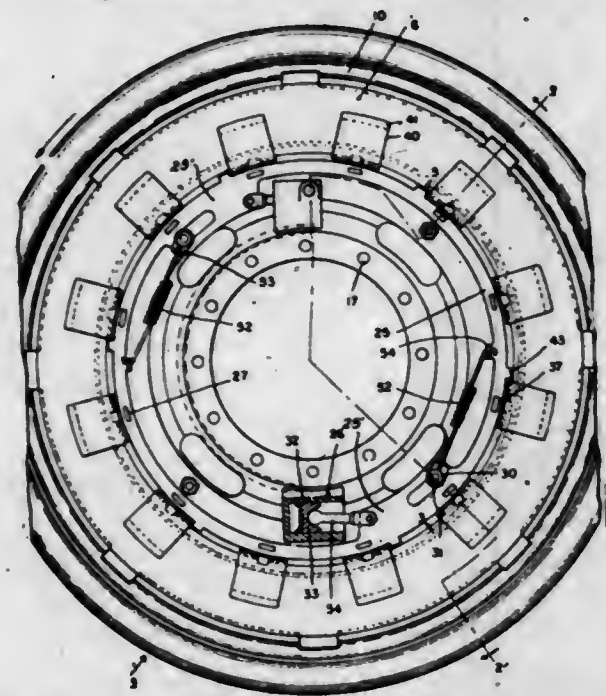
2,386,453

BRAKE

Joseph A. Forbes, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application December 7, 1942, Serial No. 468,132

7 Claims. (Cl. 188-72)



1. A brake comprising relatively rotatable friction discs, an actuating ring, a set of angularly movable levers operatively connected to said ring, a set of links actuable by said angularly movable levers, said links being operatively connected to and movable circumferentially with certain of said friction members and being operatively connected to said ring.

2,386,454

HIGH MOLECULAR WEIGHT LINEAR POLYESTER-AMIDES

Carl J. Frosch, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application November 22, 1940, Serial No. 366,718

6 Claims. (Cl. 260-78)

1. A body comprising a microcrystalline linear polymer having permanent molecular orientation produced by the application of directional stress to the reaction product produced by condensing by heating a mixture including a monoalkylolamine which has at least one hydrogen atom attached to the nitrogen atom and an aliphatic dicarboxylic acid which has at least three carbon atoms between the carboxyl groups under polymerizing conditions until substantially completely reacted, the carboxyl groups in said mixture being present in an amount substantially equimolecularly equivalent to the sum of the amino and alcoholic hydroxyl groups, and which reaction product is capable of being cold drawn into fibers exhibiting molecular orientation along the fiber axis.

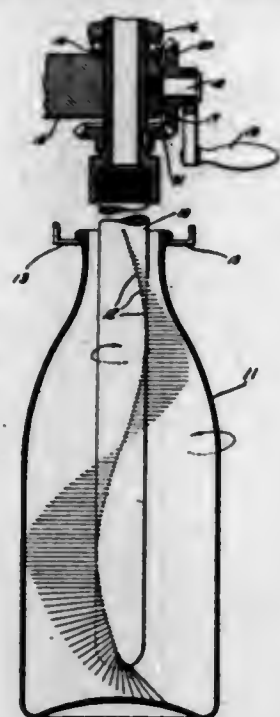
2,386,455

LIQUID SPRAY DISCHARGE APPARATUS FOR AND METHOD OF COOLING THE INTERIOR OF BOTTLES AND OTHER HOLLOW GLASS ARTICLES

Thomas D. Green, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application June 5, 1942, Serial No. 445,914

6 Claims. (Cl. 49-45)



2. In apparatus for tempering hollow glass articles, an elongate nozzle having jet holes suitable for the discharge therefrom of jets of a fluid comprising liquid spray, said jet holes being arranged in a series extending spirally around the nozzle, and means for supporting said nozzle in a pendant vertical position and a hollow glass article to be tempered in an upright position with the portion of the nozzle provided with said jet holes depending within the glass article and for rotating the nozzle about its vertical axis relative to the glass article in the same direction as the spiral direction of the series of jet holes as viewed from a level above said jet holes.

6. The method of cooling the internal surface of an open-ended hollow glass article, which comprises discharging a cooling fluid comprising liquid spray against the internal surface of said article in a series of jets directed outwardly from spaced points along a line extending spirally around the longitudinal axis of the article, and causing a relative rotation between all of said jets in unison and said article around said longitudinal axis in the same direction as that of the spiral of said series of jets as viewed from the open end of the article.

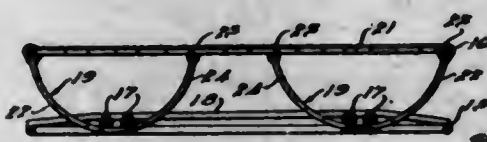
2,386,456

SPRING CONSTRUCTION

Alfred H. Haberstump, Detroit, Morris K. Jessup, Grosse Pointe, and Nicholas Wolofski, Detroit, Mich., assignors to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware

Application April 7, 1942, Serial No. 438,010

7 Claims. (Cl. 155-179)



4. A spring construction including a base support, arcuate spring strips aligned with each other

in spaced rows secured at their central portions to said support and with the end portions disposed outwardly thereof and extending upwardly, spring strips having their ends and central portions resting on the ends of the arcuate spring strips, and means for securing the ends and central portions of said spring strips to the ends of said arcuate strips.

2,386,457

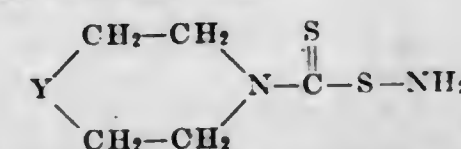
VULCANIZATION ACCELERATORS

Roy S. Hanslick, Wyndmoor, Pa., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application January 14, 1943, Serial No. 472,401

3 Claims. (Cl. 260-247)

1. As a new compound, a thiocarbamyl sulfamine having the formula



where Y is a member of the group consisting of oxygen and $-\text{CH}_2$.

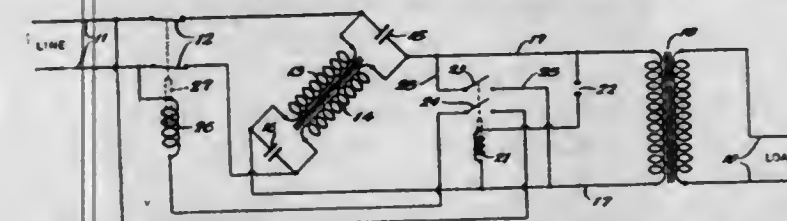
2,386,458

CONSTANT CURRENT REGULATOR

Eugene H. Haug, Chicago, Ill., assignor to La Salle National Bank, Chicago, Ill., as trustee

Application January 5, 1944, Serial No. 517,066

2 Claims. (Cl. 171-119)



1. In combination with an alternating current supply, a constant current regulator comprising a pair of reactors and a pair of condensers connected in a bridge circuit, connections from the supply to opposite corners of the bridge circuit, connections from the remaining corners of the bridge circuit to a load, the impedance of the reactors being substantially in excess of that of the condensers at the operating frequency.

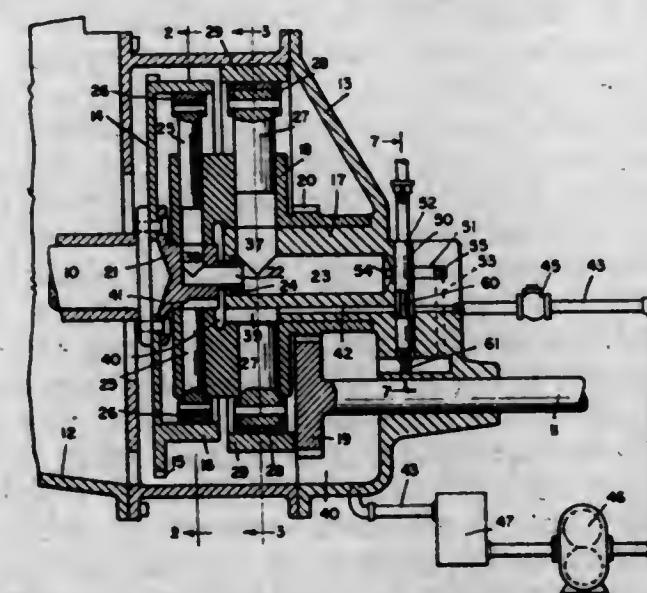
2,386,459

SPEED CHANGE DEVICE

Richard W. Hautzenroeder, Mansfield, Ohio

Application April 10, 1944, Serial No. 530,272

8 Claims. (Cl. 192-60)



1. In a torque converter of the character described, a rotor carrying a series of pumping pistons and a series of motor pistons for rotation in unison, a stationary valve member within said rotor controlling the flow of fluid to said motor

pistons, an annulus arranged eccentrically of said rotor and embracing the outer ends of said pumping pistons, a pump valve concentric with said rotor and adapted to be driven in unison with said annulus, and a control ring embracing the outer ends of said motor pistons and movable into various positions of various degrees of concentricity and eccentricity with said rotor to thus vary the displacement of said motor pistons for each rotation of said rotor, and accordingly varying the speed of the rotor relative to said first named eccentric.

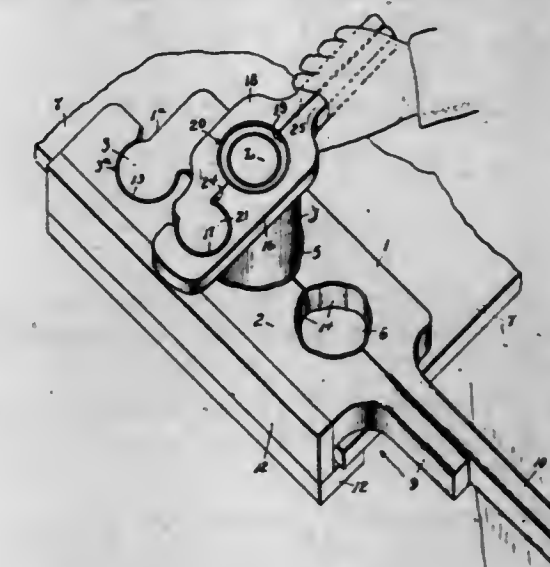
2,386,460

FRUIT JAR HOLDER AND LID TIGHTENER

Rudolph F. Heim, St. Joseph, Mo.

Application September 18, 1943, Serial No. 502,981

5 Claims. (Cl. 81-3.44)



1. A clamp comprising two wooden bodies having adjacent straight edges and each having one-half an article receiving opening, one of said bodies adjacent one end having a generally cylindrical opening through the same and a passage from said opening through the aforesaid straight edge of that body, the other body having a laterally projected generally cylindrical pivot to fit within said generally cylindrical opening and said passage and constitute therewith a hinge joint, means to limit the opening movement of the clamp, and a pin and slot connection between the elements of the hinge joint preventing their separation save when the clamp is fully open, said two clamp members each having a handle.

2,386,461

MILLING ATTACHMENT FOR LATHES

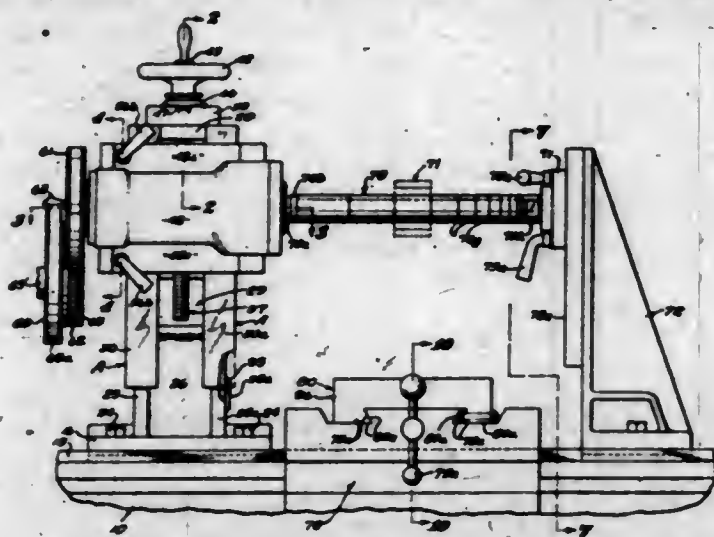
Paul Hellman, Los Angeles, Calif., assignor to Globe Products Manufacturing Company, Los Angeles, Calif., a corporation of California

Application July 20, 1942, Serial No. 451,623

4 Claims. (Cl. 90-11)

1. In a milling device, a body having an upright portion presenting a plane front surface and oppositely beveled side surfaces, a carriage having a vertical channel whose bottom face is plane and slidably engages the body front surface, one side wall of the channel being beveled to slidably engage one of said side surfaces of the upright portion and the other side wall of the channel being disposed at right angles to the bottom face and being spaced from the other side surface of the upright portion, and means for resiliently clamping the carriage in adjusted position along the upright portion, comprising a gib fitting between and conforming to the last-mentioned channel wall and the last-mentioned side surface of the upright portion, a shim positioned between the inner face of the gib and the

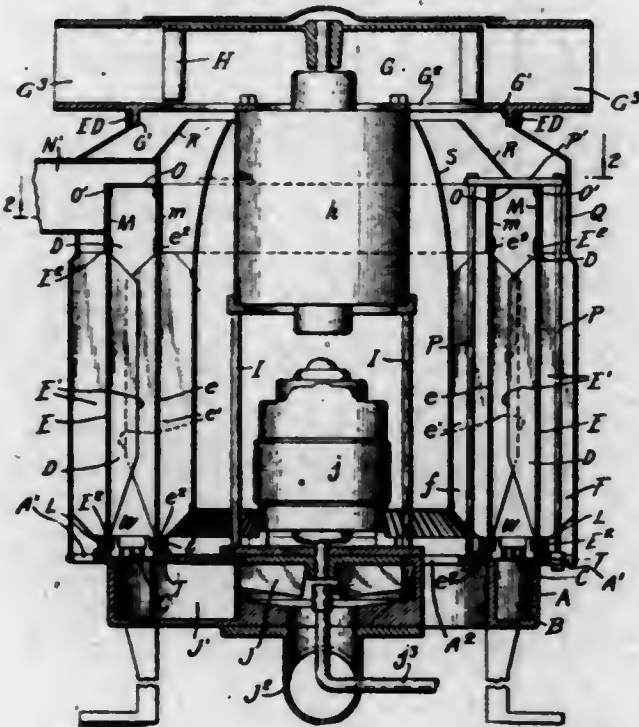
bottom face of the channel and terminating short of the ends of the gib and screw means operatively engaging the respective ends of the gib at



points spaced outwardly from the ends of the shim whereby to resiliently draw the gib against said other tapered side surface of the upright portion.

2,386,462 HEATER

Frederic O. Hess, Germantown, Pa., assignor to Sels Corporation of America, a corporation of Pennsylvania
Application September 4, 1941, Serial No. 409,440
14 Claims. (Cl. 126-110)



1. An air heater comprising a burner body formed with an annular slot-like inlet chamber, an orifice wall mounted on said body and extending across the open side of said slot, and an annular chamber having an end communicating with said orifice wall, said chamber having inner and outer cylindrical side walls formed of thin metal and having fins intermediate their ends, and a separate metal ring interposed between each of said side walls and burner body and formed with a slot receiving the adjacent end of the corresponding side wall.

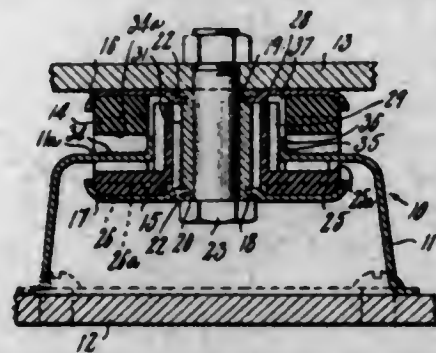
2,386,463

RESILIENT MOUNTING

Heston H. Hile, Riverside, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application November 6, 1943, Serial No. 509,157
9 Claims. (Cl. 248-358)

2. A resilient mounting comprising a base having an opening therein, soft resilient disc-shaped

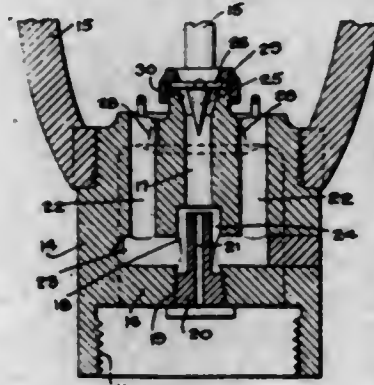
members on opposite sides of said base, said resilient members having openings therein concentric with said opening in said base, each of said resilient members having projections on opposite sides thereof, said projections on one side of each member being staggered in respect to the projections on its opposite side, plates positioned on opposite sides of said base with said resilient disc-



shaped members interposed therebetween, means extending through said opening in said base for connecting said plates together and securing said parts of said mounting on said base, and said plates and said base being in contact with the free ends of the projections on said resilient disc-shaped members and spaced from the bases of said projections.

2,386,464 APPARATUS FOR PRODUCING FIRE EXTINGUISHING FOAM

Francis J. Hogenmiller, Philadelphia, Pa., assignor to National Foam System, Inc., Philadelphia, Pa., a corporation of Delaware
Application March 12, 1943, Serial No. 478,877
5 Claims. (Cl. 261-116)



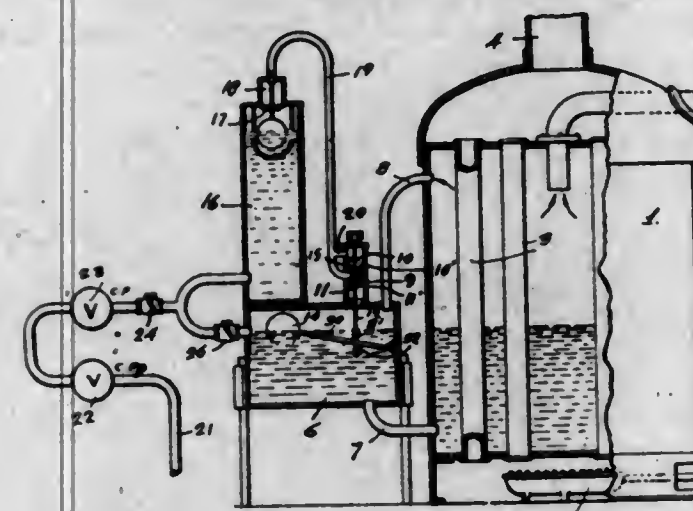
4. In an apparatus for producing fire extinguishing foam wherein is employed a foam-conveying tube having entrance and discharge ends, a jet discharger for a foam-forming solution adapted to be secured to the entrance end of the tube in axially spaced relation with respect thereto to provide a space open to atmosphere between the discharger and the tube, said discharger including a main body member through which axially extends a central bore having an externally threaded outwardly flared terminal portion, a tubular element fitted in the rear end of said bore and having a restricted passage there-through coaxial with the bore to effect the delivery of a solid stream of liquid at high velocity through said bore, a conical deflector fixedly secured in the terminal portion of said bore to provide conjointly with said terminal portion an outwardly flared annular recess by which the said high velocity stream is discharged through the said space open to atmosphere in the form of an outwardly divergent annular stream of such ample external surface area as to render it capable of entraining a substantial quantity of air from atmosphere, said conical deflector having radial elements engaging the end of said termi-

nal portion, and an annular retainer threadedly engaging said threaded terminal portion to clamp said radial elements in position with said conical element centered in the terminal portion of the central bore aforesaid.

2,386,465

INJECTOR

James B. Hopper, Lodi, Calif.
Application June 6, 1944, Serial No. 538,952
5 Claims. (Cl. 122-456)

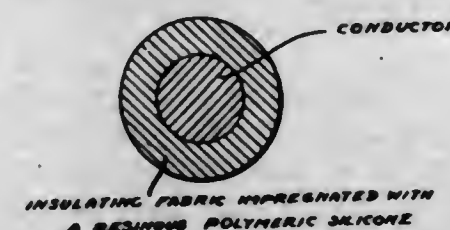


1. An injector comprising the combination with a boiler of an auxiliary tank; connections from the top and bottom of said boiler to the top and bottom of said auxiliary tank; a reserve tank mounted upon and in contact with said auxiliary tank; a connection from the top of said auxiliary tank to the top of said reserve; valve means interposed in said last connection and normally actuated by a water level within said boiler and auxiliary tank to permit the passage of steam from said auxiliary into the top of said reserve to force water therein into said auxiliary tank; a connection from the bottom of said reserve to said auxiliary tank; and a ball float caged within the upper portion of said reserve and actuated by a rising water level therein to close the connection from the top of said reserve to said auxiliary.

2,386,466

INSULATED CONDUCTOR AND INSULATION THEREFOR

James Franklin Hyde, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application February 10, 1940, Serial No. 318,373
20 Claims. (Cl. 174-121)



2. A metallic conductor which is covered with an electrically insulating layer containing a resinous organo-silicon oxide composition which is substantially insoluble and infusible and which comprises essentially silicon atoms, oxygen atoms and alkyl and aryl radicals, said silicon atoms being connected to each other by said oxygen atoms through silicon-oxygen linkages, said alkyl and aryl radicals being attached to silicon atoms through carbon-silicon linkages, and the ratio of the total number of alkyl and aryl radicals to the total number of silicon atoms being between approximately one and approximately two.

2,386,467

ORGANO-SILICON POLYMERS AND METHOD OF MAKING THEM

James Franklin Hyde, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application August 11, 1944,
Serial No. 549,137
14 Claims. (Cl. 260-2)

1. In the method of increasing the viscosity of a polymeric liquid organo-silicon oxide composition which consists essentially of silicon atoms, oxygen atoms and monovalent hydrocarbon radicals selected from the class consisting of alkyl, aryl and alkaryl radicals, at least some of said radicals being alkyl radicals, said silicon atoms being joined together by said oxygen atoms through silicon-oxygen linkages and said hydrocarbon radicals being attached to said silicon atoms by carbon-silicon linkages, there being on the average from approximately one to approximately two hydrocarbon radicals per silicon atom, the step comprising passing oxygen through the mass of said organo-silicon liquid at a temperature between about 200 and 300° C. until an increase in its viscosity is obtained.

2,386,468

PROCESS FOR ISOMERIZING NORMAL BUTENES TO ISOBUTENE

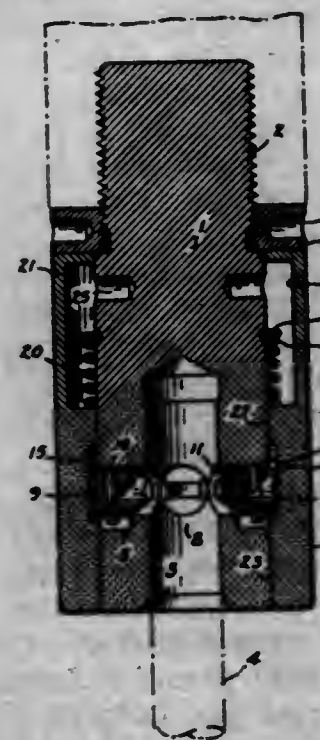
Vladimir N. Ipatieff and Raymond E. Schaad, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application January 11, 1939,
Serial No. 250,332
3 Claims. (Cl. 260-683)

1. A process for producing isobutene which comprises subjecting normal butene, at a temperature in the approximate range of 600-1000° F. and a contact time of about 0.1 to about 4 seconds, to the action of an acid treated clay which has been activated by heating in a stream of dry air at a temperature of the order of 600-1000° F.

2,386,469

CHUCK

Norman Hilbert Iversen, Birmingham, Mich., assignor, by mesne assignments, to Shatterproof Glass Corporation, Detroit, Mich., a corporation of Delaware
Application January 10, 1944, Serial No. 517,688
8 Claims. (Cl. 279-74)



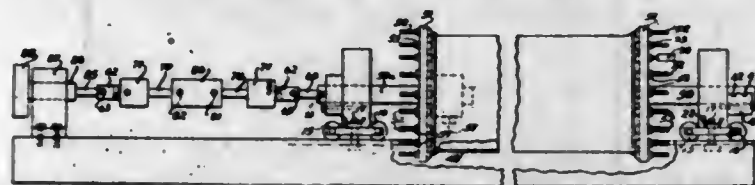
1. A chuck comprising a cylindrical body member having a tool receiving outer end and an axial

tool receiving bore opening to said outer end, said body member having a circumferential groove and a radial opening between the tool receiving end thereof and said groove, said groove having an inner wall perpendicular to the axis of the body and an outer wall that tapers toward the inner wall, a tool engaging dog slidably mounted in said opening, a resilient expansible stop ring mounted in said groove, a dog actuating sleeve having a cylindrical bore slidably fitting upon said body member outwardly of the stop ring, said sleeve having an internal recess adapted to receive the outer end of said dog and a dog engaging cam portion at the inner end of said recess, said sleeve having a circumferential recess into which said stop ring projects, the inner end of said sleeve having a sliding fit on said body member inwardly of the stop ring and engageable with the stop ring, and a coil spring in said circumferential recess and interposed between the stop member and the outer end of said recess, the movement of said sleeve by said spring being limited by said stop ring, said spring, stop ring and sleeve being removable as a unit over the outer end of said body.

2,386,470

MEANS FOR DYNAMICALLY BALANCING CYLINDERS

Robert B. Jenkins, Gastonia, N. C.

Application December 21, 1943, Serial No. 515,110
2 Claims. (Cl. 73-66)

1. Apparatus for dynamically balancing cylinders and other elongated objects which comprises a trackway, a pair of laterally slidable bearing members adjustably mounted along the trackway, a pair of head members each having a shaft fixedly secured therein and extending from each surface of the head members, each of said head members having a plurality of threaded bolt members extending outwardly therefrom, the shafts being adapted to be secured to the end portions of the cylinders, the other projecting portions of said shafts being adapted to be supported by said bearing members disposed on the trackway, a universal joint arrangement connected to the outer end of one of the shafts and having power driven means associated therewith for imparting rotation to the shaft and to the cylinder sections supported by the shafts, means for supporting a marking member for placing a marking upon one of the shafts while the cylinder is rotating in one direction, and for supporting a marking member in another position for placing another mark on the shaft while the cylinder section and shafts are rotating in an opposite direction, said bolts being adapted to threadably receive weights at a position on the head members indicated by the markings on the shaft.

2,386,471

FIRE RETARDING IMPREGNATING COMPOSITION FOR WOOD

Grinnell Jones and Walter Juda, Cambridge, Mass., assignors to Albi Chemical Corporation, New York, N. Y., a corporation of New York
No Drawing. Application February 27, 1942, Serial No. 432,654
5 Claims. (Cl. 167-38.5)

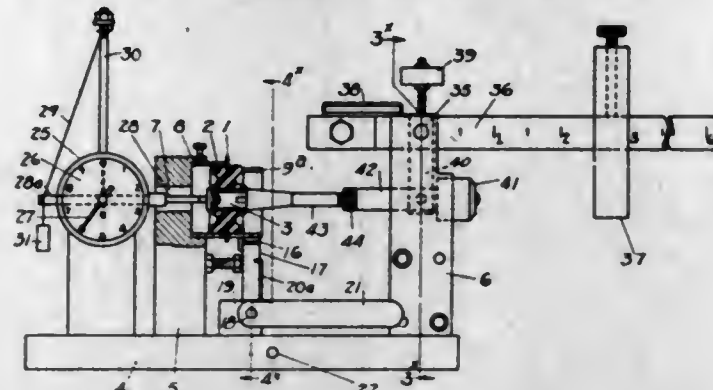
1. A composition for impregnating wood to reduce the inflammability thereof, comprising an

aqueous mixture containing, to the extent of at least 20% of the composition, a compound selected from the group consisting of ammonium phosphate, ammonium borate and ammonium sulfamate, said composition also containing a water-soluble copper salt in amount not exceeding 6%, and ammonia.

2,386,472

DEFLECTION MEASURING INSTRUMENT

Gustav H. Kaemmerling, Erie, Pa., assignor to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania

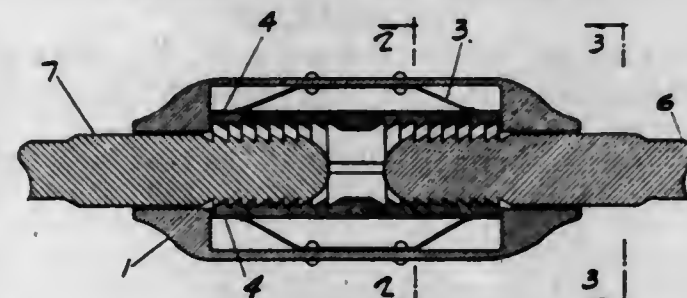
Application July 5, 1943, Serial No. 493,554
9 Claims. (Cl. 73-100)

9. In a machine of the character described, the combination of a base, two pedestals thereon, one having an aperture therein and comprising the back of a holder for a mounting to be tested, a clamping ring movable toward and from it, and a scale beam pivoted on the other pedestal in a plane above the holder and having a downwardly extending arm, of a plunger pivoted on the arm having a free forward end adapted to extend through the clamping ring into engagement with one side of the mounting and a rear counterbalancing end, said plunger having an intermediate adjustable section for varying its length, and a deflection measuring scale having an impeller engaging the other side of a mounting in line with the plunger.

2,386,473

RECOUPING BUCKLE

Mark Henry Kanary, Los Angeles, Calif.

Application November 14, 1944, Serial No. 563,393
3 Claims. (Cl. 72-114)

1. A recouping buckle comprising a body member, a reinforcing bar, the ends of which are serrated and slidable in said body member through holes provided at each end thereof, a split tube serrated at both ends of the inner wall to engage the serrations on the ends of the reinforcing bar, and flat compression springs fixedly mounted in opposed position in the body member.

2,386,474

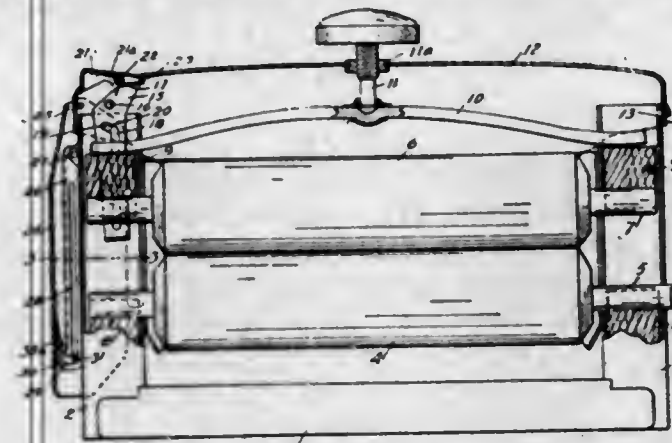
WRINGER

Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania

Application March 17, 1937, Serial No. 131,328
15 Claims. (Cl. 68-263)

1. In a wringer having a frame; rolls mounted in the frame; and pressure means for exerting

pressure on the rolls; the combination with the frame and pressure means of a lever actuated pressure resetting device for resetting the pressure means comprising a toggle, the links of which have operative connections with each other and the frame and pressure means, at least one of

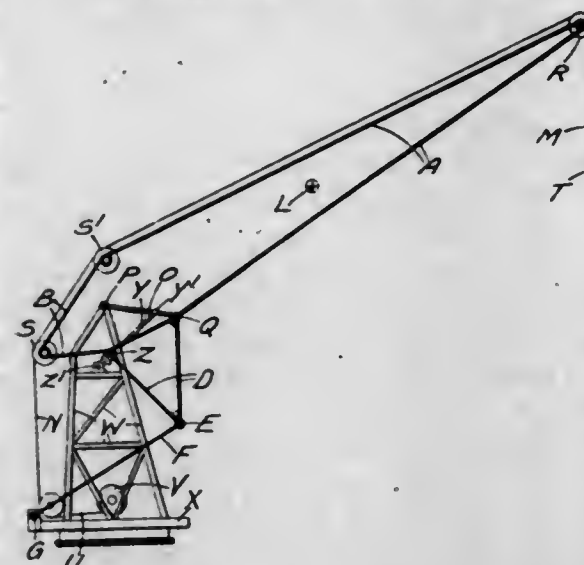


said connections being releasable and released at the completion of the resetting operation; and a release device for releasing the pressure means, said device having means taking over the pressure of the pressure means from the resetting device.

2,386,475

LEVEL LUFFING JIB CRANE

Ignatius Kay, London, England, assignor to The Wellman Smith Owen Engineering Corporation Limited, London, England, a company of Great Britain

Application March 15, 1944, Serial No. 526,577
In Great Britain March 15, 1943
12 Claims. (Cl. 212-8)

1. A level luffing jib crane comprising a supporting frame, a balanced jib, a hoisting pulley at the load-carrying end of the jib, a first counter-loading pulley at the end of the jib remote from the load, a pivot for the jib located between the said ends thereof, a second counter-loading pulley on the supporting frame substantially vertically beneath the first counter-loading pulley, a winding drum on the said frame, a hoisting rope passed over said hoisting pulley and over said first and second counter-loading pulleys and attached to the said winding drum, a first link equal in length to the distance between the jib-pivot and the first counter-loading pulley and engaged at one end with the said jib-pivot and pivotally attached at the other end to the said frame, a second link pivotally attached at one end to the said frame substantially vertically beneath the said first counter-loading pulley and pivotally attached at the other end to a point on the jib offset downwardly from the longitudinal axis of the jib by a distance approximately equal to the distance between the jib-pivot and the first counter-loading pulley, the said first and second links

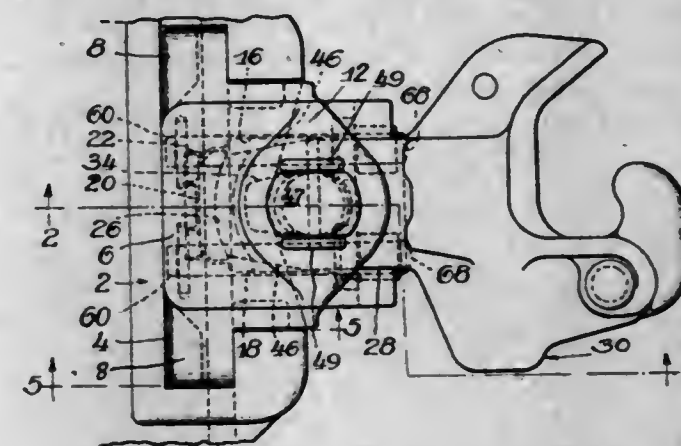
579 O. G.-17

being disposed along lines meeting beneath the centre of gravity of the jib on the level of the first counter-loading pulley and the pivotal connection on the frame for the first link being vertically above the said first counter-loading pulley, and means for luffing the jib about its pivot and thereby displacing the said first and second links to ensure substantially horizontal movement of the centre of gravity of the jib and substantially vertical movement of the first counter-loading pulley.

2,386,476

CAR COUPLER

Edmund P. Kinne and Frank H. Kayler, Alliance, Ohio, assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

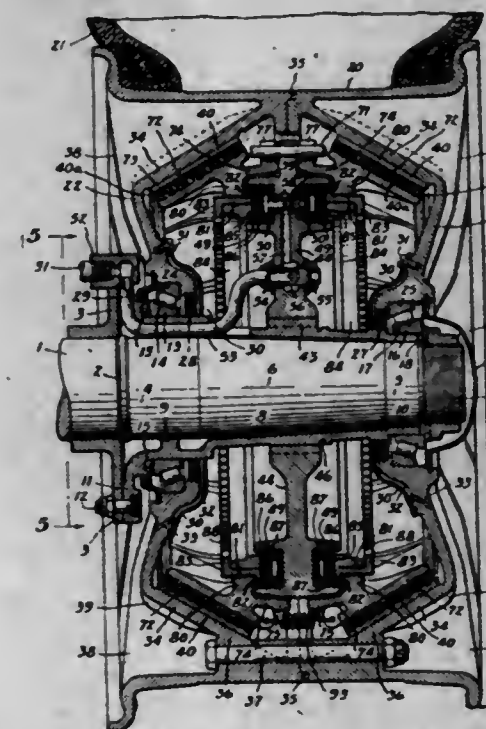
Application May 27, 1942, Serial No. 444,638
29 Claims. (Cl. 213-14)

1. In a coupler pocket, top and bottom walls with aligned pin openings therethrough, spaced side walls comprising on their external surfaces means for interlocking engagement with an associated car body, and a bottom wall comprising depending support means for an associated coupler centering device.

2,386,477

BRAKE OR CLUTCH

Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

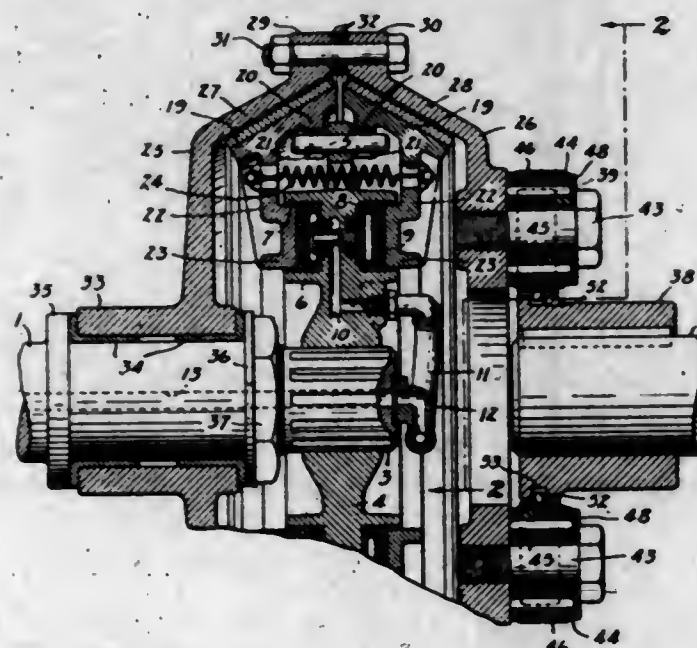
Application March 29, 1943, Serial No. 480,906
35 Claims. (Cl. 188-152)

1. A wheel and brake for airplanes comprising a quill adapted to be detachably mounted upon an axle, a wheel body rotatably mounted upon said quill, said wheel body comprising a rim and a pair of rim supporting disks apertured to receive said quill and having converging conical outer portions joined to said rim centrally thereof, a

torque member attached to said quill and disposed centrally between said wheel disks, an annular brake member on each side of said torque member, each brake member having a conical portion underlying the conical portion of the adjacent wheel disk, means disposed adjacent the larger diameter ends of the conical portions of the annular brake members and adjacent the center plane of the wheel for supporting said annular brake members on the torque member for axial movements toward or away from the torque member and for holding said annular brake members against turning movements with respect to the torque member, and means for simultaneously moving said annular brake members into engagement with the wheel disks.

2,386,478

TORQUE TRANSMITTING CONNECTION
Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 23, 1943, Serial No. 491,933
8 Claims. (Cl. 64-11)

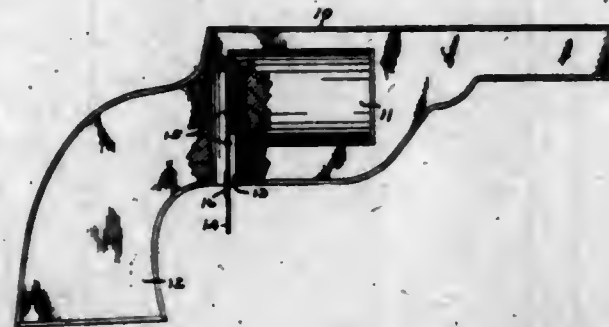


1. A yieldable torque transmitting element comprising two substantially concentric disks, one having a series of circumferentially spaced slots and the other having driving members projecting through said slots, a rubber collar on each of said members, and resilient yieldable seating members interposed between said collars and the walls of said slots.

2,386,479

TOY GUN

Charles H. Kuhn, Indianapolis, Ind.
Application March 16, 1944, Serial No. 526,664
1 Claim. (Cl. 46-189)



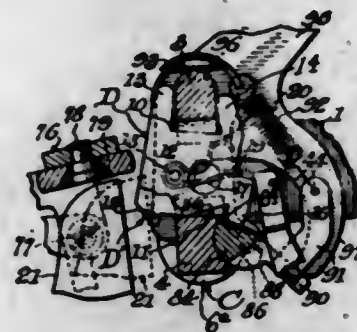
A toy gun in the nature of a pistol comprising a barrel-like portion; a handle with a downturned portion from which an upper portion merges into the barrel portion from its underside to give a vertically thickened barrel portion section thereby; said thickened portion having a vertical cylindrical bore therein in front of

said downturned handle portion and closed at its upper end and open at its lower end; and a buckled flat steel spring leaf embedded and frictionally retained by its side edge portions in diametrically opposed wall portions of said bore with a length of said leaf extending from the bore as a bendable trigger in front of said handle downturned portion.

2,386,480

TYPEWRITING MACHINE

William H. Kupper, Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application March 8, 1944, Serial No. 525,587
2 Claims. (Cl. 197-179)



1. In a tabulating mechanism for typewriting machines, a stop frame comprising upper and lower rack bars respectively provided on their lower and upper faces respectively with transverse grooves spaced apart at letter space intervals; a plurality of tabular stops mounted in each pair of upper and lower grooves and being shiftable from inoperative to operative positions and vice versa, each stop comprising spaced lugs embracing one of said rack bars for limiting shifting of said stop; a longitudinally extending groove in said one of said rack bars having a concave wall; and a universal stop resetter bar rockable for shifting tabular stops from operative to inoperative position, said resetter bar being sector shaped in cross section and having a longitudinally extending convex segmental outer surface portion in bearing engagement with said groove wall, said resetter bar being undercut to provide a longitudinally extending depression which receives the lugs of tabular stops which are in operative positions, said undercut forming a resultant lip at said surface portion engageable with the lugs of tabular stops which are in operative positions for moving said tabular stops to inoperative positions upon rocking of said resetter bar.

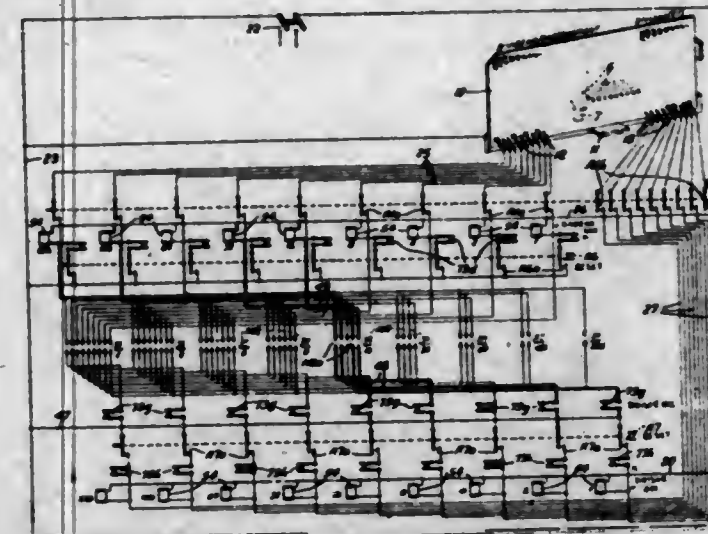
2,386,481

CALCULATING MACHINE FOR EFFECTING DIVISION

William Lang, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 21, 1942, Serial No. 469,655
12 Claims. (Cl. 235-61.8)

1. In a dividing machine, a binary dividend accumulator having binary ordered elements conditionable for addition or subtraction, and being normally conditioned for subtraction, conditioning means therefor, a binary divisor entry receiving means having binary ordered elements, means for entering dividend and divisor values in accordance with the binary system of notation, readout devices for the divisor receiving means, column shift mechanism intermediate the divisor readout devices and the entering means of the dividend accumulator, comparing means for ascertaining the elements of the dividend ac-

culator and the divisor receiving means containing the highest terms of the two factors, means under control of said comparing means for adjusting said column shift mechanism, said readout devices and conditioning means effecting subtraction of a binary multiple of the divisor

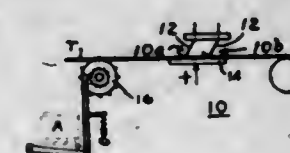


from the dividend accumulator through said column shift mechanism, means for effecting repeated operation of said comparing means and said adjusting and conditioning means, and means for interrupting said repeated operations when the dividend becomes equal to or less than the divisor value.

2,386,482

DATA STORING DEVICE AND SELECTING MEANS THEREFOR

Ward Leathers and Jerrier Haddad, Brooklyn, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 27, 1943, Serial No. 473,723
1 Claim. (Cl. 235-61.6)

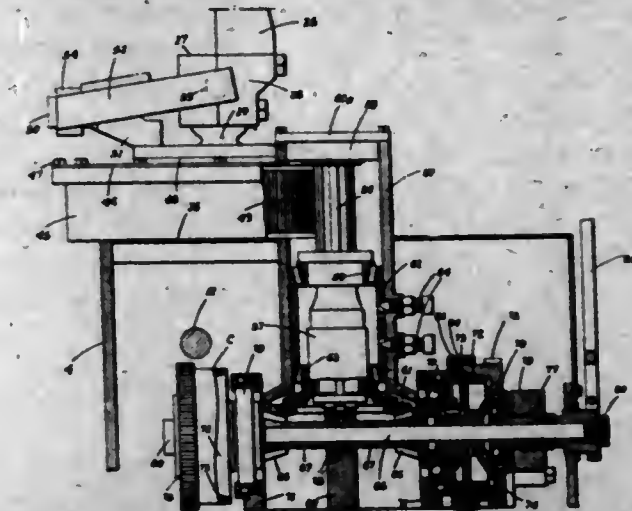


In an apparatus for selecting stored data which is computed according to a prearranged schedule for a plurality of multi-digit numbers, a plurality of work circuits, a plurality of data storing devices each having means for storing data according to the prearranged schedule and corresponding to one of said numbers, said devices being arranged for cross-selection in vertical and horizontal rows, selecting means including a horizontal bank of electromagnets for selecting a vertical row of said devices and a vertical bank of electromagnets for selecting a horizontal row of said devices, said horizontal bank of magnets being arranged electrically for cross-selection in groups and said vertical bank of magnets also being arranged electrically for cross-selection in groups, means for reading the initial multi-digit members, means controlled by said reading means for selecting a magnet in one of said banks according to two high decimal order digits of the number read by the reading means, means for selecting a magnet in another of said banks thereof according to two digits of relatively lower decimal orders of the number read, and means for selectively closing said work circuits in accordance with the precomputed data stored in the device which is selected by virtue of cross-selection by the selected magnets in each group.

2,386,483

POWER STEERING MECHANISM

Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application March 4, 1944, Serial No. 525,049
14 Claims. (Cl. 180-79.4)



1. In combination, a tractor, a trailer, a draft unit coupling the tractor to the trailer in laterally tiltable, horizontally steerable relation, said draft unit including a draft member fixed against horizontal movement relative to the trailer, a ball and socket unit connecting said member to the tractor, one element of the ball and socket unit being fixed on the member and the other element being fixed on the tractor, and power steering mechanism connected with said one element of the ball and socket unit operative to effect relative movement between said elements in a direction to result in relative steering between the tractor and trailer; said mechanism including a device arranged to permit said mechanism to function without restricting relative lateral tilting between said tractor and trailer.

2,386,484

ANHYDROUS HYDROGEN PEROXIDE AND METHOD OF MAKING SAME

Nathan I. Levitan, Buffalo, and Robert Knoch, Tonawanda, N. Y., assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y.
No Drawing. Application October 25, 1944, Serial No. 560,364
5 Claims. (Cl. 252-186)

1. The process of preparing alcoholic solutions of hydrogen peroxide which comprises reacting an ester of boric acid with sufficient aqueous hydrogen peroxide to hydrolyze said ester to boric acid.

2,386,485

SELF-PRIMING CENTRIFUGAL PUMP

Charles I. Longenecker, Wauwatosa, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 17, 1943, Serial No. 487,362
3 Claims. (Cl. 103-113)



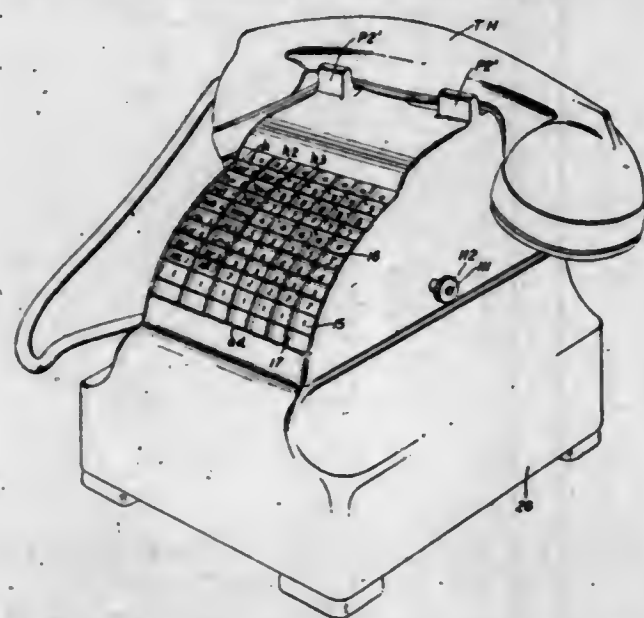
1. An intake unit for a recirculating self-priming centrifugal pump having a casing providing

an impeller chamber and a priming-liquid chamber: said unit comprising a perimetrically closed sheet metal suction chamber element adapted to extend through a wall of the pump casing for conveying liquid from exteriorly of said casing across the priming-liquid chamber and discharging it to the impeller chamber; a check valve carried by the portion of said suction chamber element exterior of the casing, for preventing back-flow of fluid through said element; a conduit carried by the interior portion of said suction chamber element, for providing communication between it and the priming-liquid chamber; and a valve assembly readily adjustably mounted on said conduit, including a valve for controlling passage of priming-liquid through the conduit to the suction chamber.

2,386,486

CALL TRANSMITTER

Rudolph F. Mallina, Hastings on Hudson, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 20, 1941, Serial No. 407,520
5 Claims. (Cl. 179-90)



1. In a call transmitter, a plurality of manually movable arcuated elements, each of said elements having at its inner periphery a row of cams and indicia at its outer periphery representing digits, a pivoted bar extending transverse of the movement of said elements in operable relation with said rows of cams, fin members carried by each of said elements for moving the latter in selected position for setting a call, a plurality of spring pressed pawls engaging said cams for holding said elements in said selected position, a pulsing mechanism actuated by the movement of said bar, normally closed switch springs for negating the operation of said bar during the setting operation of said elements, manually controlled means for operating said switch springs to render the operation of said bar effective upon the return movement of said elements for transmitting the call, a set of off-normal contacts, a bar, and means carried by said elements for controlling the operation of said bar for operating said off-normal contacts.

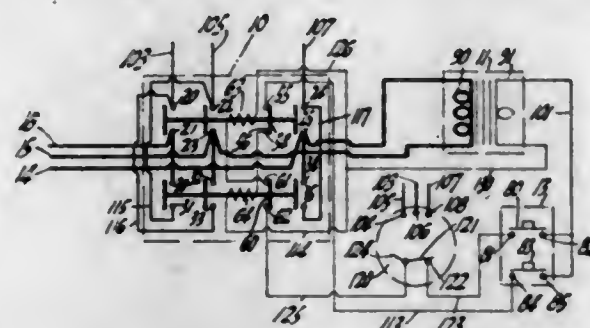
2,386,487

MOTOR CONTROL FOR ELECTRIC HOISTS

Charles J. Manney, Kenmore, and Harry D. Moore, Buffalo, N. Y., assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York
Application October 3, 1942, Serial No. 460,650
3 Claims. (Cl. 172-152)

1. A hoist having a reversible electric motor, a motor hoisting circuit for operating said motor,

a motor lowering circuit for operating said motor, a hoisting control circuit for one of the motor circuits, a lowering control circuit for the other motor circuit, said control circuits being energized separately from and having no part in common with said motor circuits, a separate manually-controlled device for causing each of said control circuits to be energized and de-energized, and an emergency thermal cutout device associated with



one of the hoisting circuits and actuated only by an emergency temperature rise in the motor during its hoisting operation, said cutout device being operable independently of the motor lowering circuit and its associated lowering control circuit, and being responsive to said emergency temperature to open the associated hoisting circuit prior to stalling the motor, said lowering circuits being unaffected by the interruption of the hoisting circuits.

2,386,488

PREPARATION OF TRIMETHYLSILICON CHLORIDE

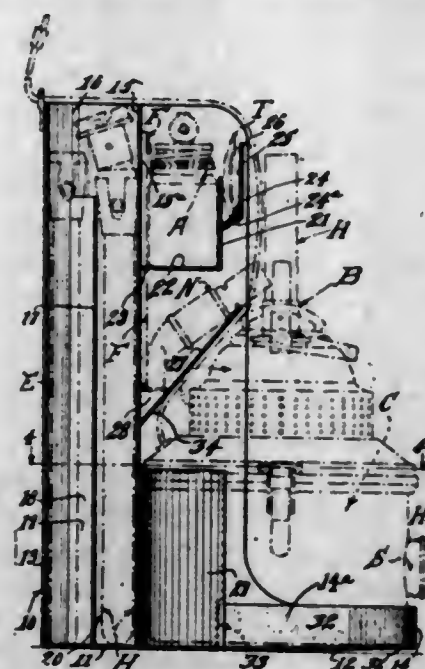
Rob Roy McGregor, Verona, and Earl Leathen Warrick, Pittsburgh, Pa., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application September 1, 1943, Serial No. 500,854
2 Claims. (Cl. 260-607)

1. The method of preparing trimethylsilicon chloride which comprises reacting trimethyl-ethoxysilane with a phosphorus chloride, fractionally distilling the liquid reaction product and recovering the trimethylsilicon chloride.

2,386,489

CARRIER

Archibald D. McKellar, Park Ridge, Ill.
Application February 18, 1942, Serial No. 431,336
5 Claims. (Cl. 206-16)



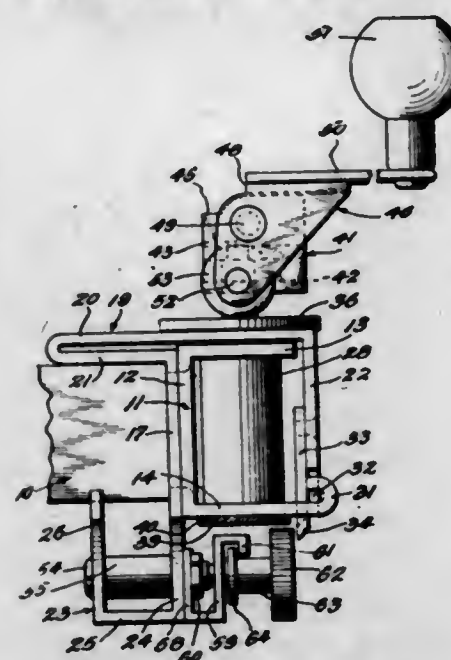
1. A device of the character described comprising an oblong base plate; a low rim secured around one end of said base plate; a curved wall secured across the inner portion of the said base

plate and forming with said rim a socket for the reception of a suction cleaner in operative position of use; a second curved wall plate secured around the other end of said base plate, substantially parallel to the first mentioned wall plate, and forming therewith a space for the reception of attachments for the said suction cleaner.

2,386,490

ROTARY TYPE CAN OPENER

Robert E. McLean, Fort Benning, Ga.
Application February 13, 1945, Serial No. 577,598
23 Claims. (Cl. 30-8)

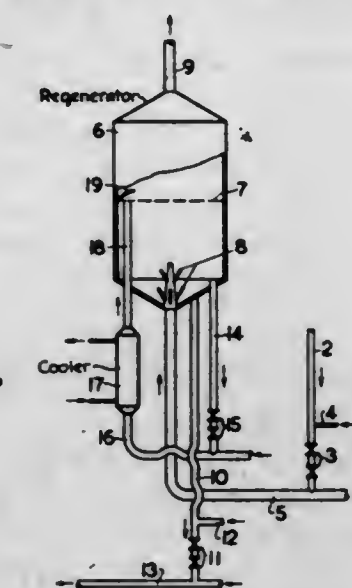


1. A rotary type can opener, comprising a body portion designed to be disposed adjacent to the top of a can rim bead, a pair of wheels operatively coupled with the body for rotation and having a relative position whereby one may be operatively engaged against the outer side of the bead while the other is operatively engaged against the underside of the bead, a cutter carried by the body for movement relative to the said one wheel to secure the bead between the said one wheel and the cutter, means for moving the cutter relatively to the said one wheel, and means for rotating the said one wheel, the other wheel in its engagement with the under edge of the bead functioning as a support for the can.

2,386,491

PROCESS FOR THE REGENERATION OF CONTACT MATERIALS

Rulon W. McOmie, Wilmington, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 1, 1944, Serial No. 533,558
10 Claims. (Cl. 196-52)



1. In a process for the burning of carbonaceous material from a finely divided solid contact ma-

terial by means of an oxygen-containing gas in a regenerating zone, wherein the contact material is maintained during said burning in a fluidized or turbulent dense phase separated by a catalyst interface from a disengaging space containing suspended therein a minor amount of said finely divided contact material, the improvement which comprises continuously introducing a cooled portion of said contact material into said regenerating zone substantially at the catalyst interface between said fluidized phase and said disengaging space above said fluidized phase, thereby maintaining said catalyst interface at a temperature below that of the main portion of said fluidized phase.

2,386,492

INSECTICIDE

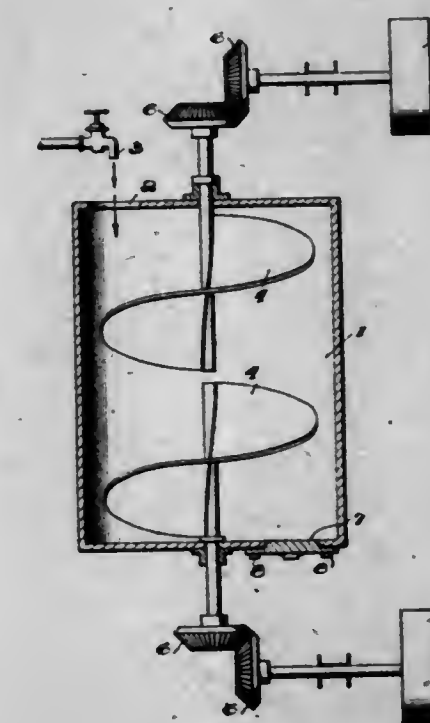
Menahem Merlub-Sobel, Rahway, N. J., assignor to Virginia-Carolina Chemical Corporation, Richmond, Va., a corporation of Virginia
No Drawing. Application June 23, 1942, Serial No. 448,151
2 Claims. (Cl. 167-43)

2. An insecticide comprising an emulsion including an external phase of hydrocarbon oil and an internal phase containing in solution a compound selected from the group consisting of hydrofluoric acid, hydrofluosilicic acid; and mandide monooleate as a stabilizer of the emulsion.

2,386,493

DECORTICATING APPARATUS FOR GRAIN

Enrique Moresco, Buenos Aires, Argentina
Application September 27, 1943, Serial No. 504,015
In Argentina September 30, 1942
1 Claim. (Cl. 83-34)

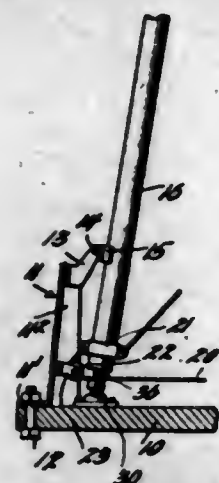


In decorticating apparatus for grain, a casing adapted to stand vertically and having top and bottom end plates, a pair of shafts respectively passing through said top and bottom end plates and being respectively rotatably and substantially co-axially journaled therein, individual drive means for rotatably driving said shafts, and a pair of screw agitators of the same pitch respectively fixedly mounted substantially co-axially on said shafts with the same hand and with their adjacent ends substantially spaced to provide a grain path therebetween.

2,386,494

DERRICK STRUCTURE

Paul R. Nagle, Oklahoma City, Okla.
Application December 5, 1941, Serial No. 421,821
2 Claims. (Cl. 189-15)

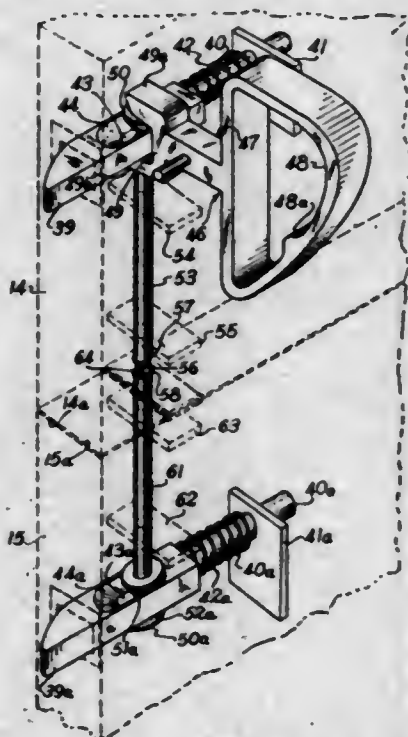


1. In a derrick, in combination, a platform, a plurality of vertically elongated pedestals mounted on said platform, a derrick leg pivotally supported, at a point intermediate the ends thereof, on the upper end of each such pedestal so as to be movable from an inoperative position to a substantially vertical operative position, and means for securing each such leg in operative position, said means including a socket member on the platform and a socket engaging member adjustably mounted on the leg.

2,386,495

REFRIGERATOR DOOR STRUCTURE AND LATCHING MECHANISM

Temple Nieter, Racine, Wis.
Application March 18, 1944, Serial No. 527,029
15 Claims. (Cl. 292-33)

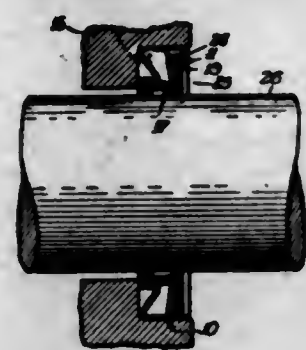


1. In a refrigerator which includes a housing defining an internal refrigerating space provided with an open doorway, a sectionalized door comprising relatively movable upper and lower parts hinged to said housing to close and open different parts of said doorway, latching means individual to said door parts for respectively latching said door parts closed, a latch actuator carried by one of said door parts and movable in either of two directions away from a normal position, means responsive to operation of said actuator in either of said two directions for unlatching the latching means individual to the upper door part, and means responsive to operation of said actuator in a predetermined one of said two directions for unlatching the latching means individual to the lower door part.

2,386,496

SEAL

Harry L. Northup, Chicago, Ill., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 5, 1944, Serial No. 521,205
3 Claims. (Cl. 288-3)

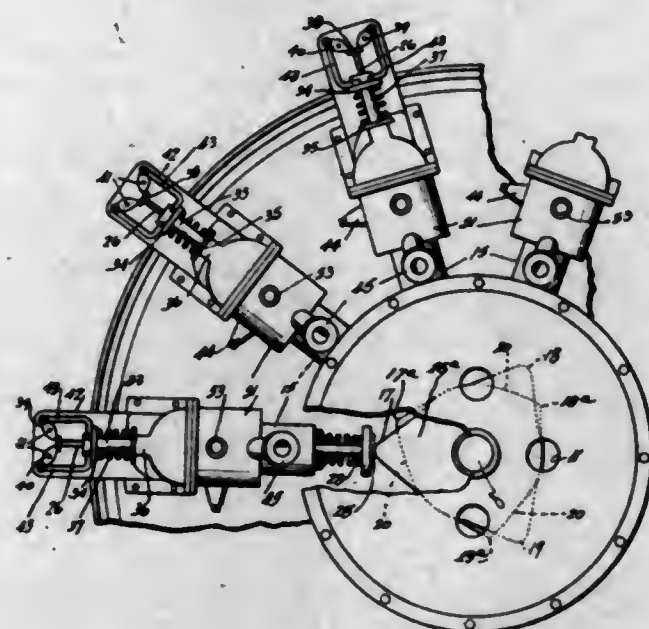


1. In a seal of the character described, a centrally apertured cup, and a packing ring of resiliently compressible material positioned in the cup, said packing ring having an axially extending sleeve portion which is connected at its far end with the bottom of the cup in fluid-tight association with the latter and having a flange portion which extends outwardly into abutment with the inner surface of the rim of the cup.

2,386,497

GASOLINE TURBINE

Angel Orloff, Chicago, Ill.
Application December 18, 1942, Serial No. 469,747
3 Claims. (Cl. 60-41)



2. In a gasoline turbine including a stator and a rotor having a drive shaft; a grooved cam connected to said drive shaft, cylinders arranged peripherally of said cam, pistons in said cylinders, peaks upon said cam, auxiliary peaks upon said cam, exhaust valves for said cylinders, actuating means for said exhaust valves connecting same and said cam, piston rods connecting said pistons and cam and riding over said peaks, said actuating means including push rods extending through said pistons and piston rods for engagement with said auxiliary peaks and cam grooves, and deflectors for said stator and rotor in line with said exhaust valves.

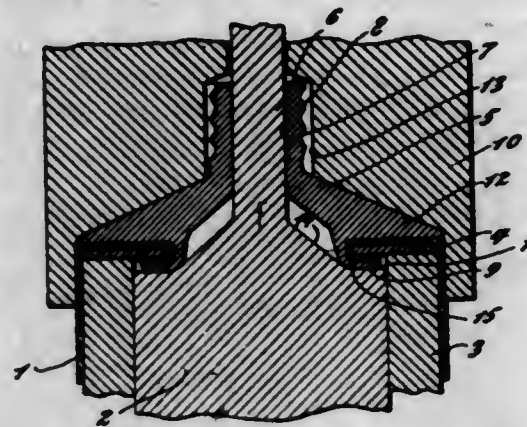
2,386,498

COLLAPSIBLE TUBE

Robert K. Ostrander, South Orange, N. J.
Application September 1, 1943, Serial No. 500,800
5 Claims. (Cl. 222-107)

1. A collapsible tube comprising, in combination, a cylindrical tubular body, an annular ring, and a premolded shoulder and neck unit, said

ring being within said tubular body and having an outside diameter substantially equal to the inside diameter of said tubular body, one end of said tubular body being folded inwardly over said ring, said premolded shoulder and neck unit having a laterally extending shoulder portion



seated against the upper surface of said ring with said inwardly folded body portions interposed therebetween, and said unit having a depending flange extending through the inner edge of said ring, said flange being bent outwardly under said ring to clamp said ring against said laterally extending shoulder portion.

2,386,499

SUPPORTED CATALYSTS AND PROCESS FOR PREPARING SAME

James R. Owen, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application March 4, 1943,
Serial No. 478,032
12 Claims. (Cl. 252-253)

1. In the process of preparing a catalyst comprising a metal oxide supported on a porous catalyst carrier material which comprises impregnating the porous catalyst carrier material with a hydrosol comprising a compound of a metal selected from groups 3 to 6, inclusive, of the periodic table that is capable of yielding by reaction with alkalis a catalytically active metal oxide and thereafter precipitating the catalytically active metal oxide on the impregnated carrier material with an alkali, the improvement whereby the metal oxide is precipitated upon the carrier material without substantial disruption of the catalyst carrier material and without the formation of a substantial amount of fines, which comprises impregnating the catalyst carrier material with the hydrosol comprising the said metal compound, removing a substantial portion of the excess liquid therefrom, partially but incompletely drying said impregnated catalyst carrier material at a temperature below approximately 100° C., and subsequently passing substantially anhydrous ammonia over the partially dried impregnated material to effect precipitation of the metal oxide upon the carrier material and thereafter heating the resulting material to remove water and ammonium compounds therefrom.

2,386,500

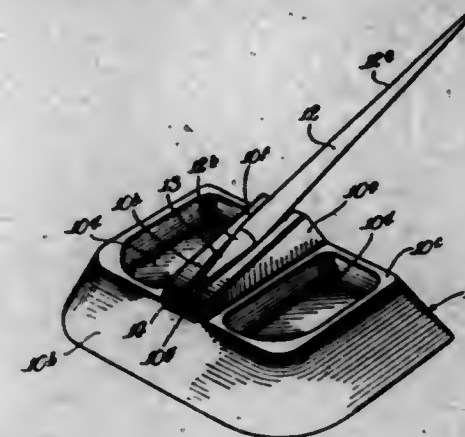
MAGNETIC DESK SET

Kenneth Parker, Janesville, Wis., assignor to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin

Application December 29, 1943, Serial No. 516,060
4 Claims. (Cl. 120-108)

1. A desk set adapted to support, in position to be readily grasped, an elongated writing instrument having magnetic material in a relatively

short portion of its length, said set comprising a base, and a horseshoe magnet embedded in said base with its pole faces lying in a plane at a small angle to horizontal, said base having a depression shaped generally to conform to the shape of said portion having magnetic material and of substantially the same length as said portion, said depression being positioned to overlie

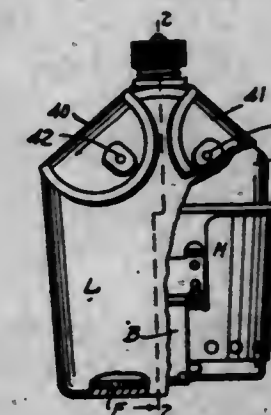


both of said pole faces in alignment therewith and being cross-sectionally rounded whereby the pull of the magnet causes the writing instrument to be cammed into alignment in said depression and said instrument to be moved longitudinally to a position where the magnet exerts its maximum pull on said magnetic material so that the latter acts as a keeper for said magnet.

2,386,501

HEATING DEVICE FOR CANTEENS

John H. Pearson, Lowell, Mass., assignor to Patent Protection Corporation, Lowell, Mass., a corporation of Massachusetts
Application April 4, 1941, Serial No. 386,859
9 Claims. (Cl. 126-266)



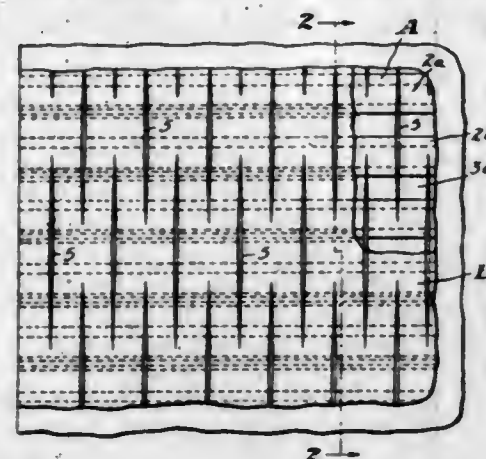
1. The combination with a canteen having a lower part of truncated conical form with a bottom end of substantially oval cross section with a front wall convex and a back wall concave; of a cup which fits on the lower part of the canteen, said cup having a bottom, ears on its convex front wall, a handle carried below the ears on a projecting pivot and shaped so that it can extend down, across the bottom of the cup and up along the concave back wall and a keeper slidable on the handle to engage the ears; a heater member of thin sheet metal removably positioned around and fitting the walls of the cup down to near the bottom of the cup, the convex front wall being cut away at its large end to fit around the projecting pivot and to serve as an inlet draft, the heater member being provided with spring catches to engage the pivot and to detachably hold the heater member in place on the cup, and its concave back wall being cut away at its small end proximate the adjoining part of the handle; together with a flexible carrier which encloses the assembly of canteen, cup and heater member.

2,386,502

SOUND DEADENER

Paul G. Peik, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application October 15, 1942, Serial No. 462,121
10 Claims. (Cl. 154-44)



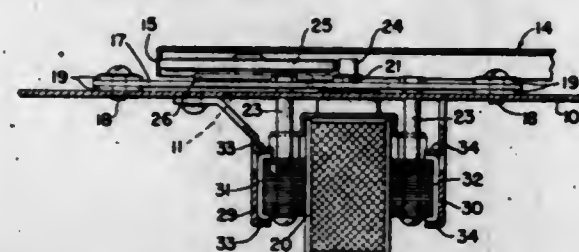
1. A material for absorbing the vibration from panels and the like, comprising a flexible sheet-like backing portion with a substantially smooth surface to be fastened to the vibratory panel, a plurality of frictional members having undercut surfaces of rubberlike material integrally carried on one side of said backing portion and spaced to provide spaces between undercut sides of adjacent members, and a plurality of frictional members loosely carried in interlocked relation in said spaces between said integral frictional members; said loosely carried frictional members having surfaces of rubberlike material which are adapted to bear against said undercut surfaces, whereby vibration energy may be absorbed by relative movement of surfaces of said loosely carried and said integral members.

2,386,503

DRIVING MECHANISM FOR PHONOGRAPH TURNTABLES

Jackson H. Pressley, Marion, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware

Application January 29, 1942, Serial No. 428,638
4 Claims. (Cl. 248-18)



1. A support for a motor comprising a base member, means for supporting said motor on said base member, means of vibration-eliminating material between said supporting means and said base member for absorbing vibrations from said motor, a pair of members extending from said base member on opposite sides of said motor, said members being provided with elements of vibration-eliminating material for engaging said motor whereby vibrations from said motor are absorbed by said elements.

2,386,504

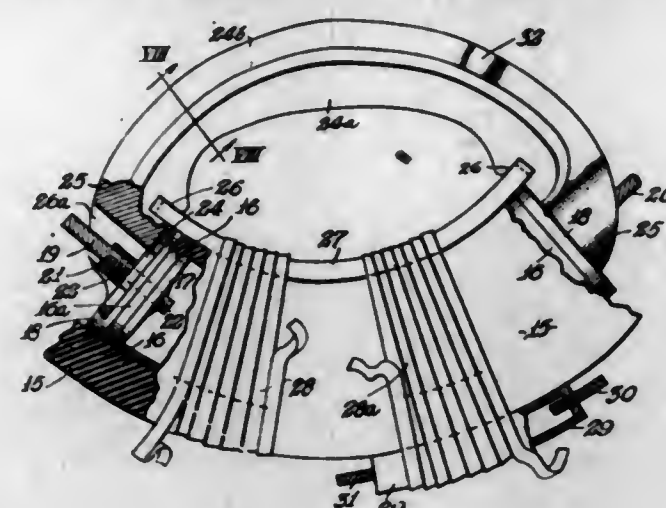
SELF-CENTERING CURING BAG FOR TIRE SECTION MOLDS

Irwin F. Proaps, Wichita, Kans.

Application November 20, 1942, Serial No. 466,380
4 Claims. (Cl. 18-45)

1. In a curing bag device for repairing tire section; a thin walled rubber bag fashioned in the

shape of a segment of a circle to conform to the shape of the interior shape of a tire, the ends of said bag being made rigid by means of a pair of plates between which the rubber ends of the bag are clamped, the clamping means being a tubular element having an enlarged element thereon for engaging the outside plate, the inner end of the tubular element being threaded through the inner plate so that the said enlarged element engages the outer plate so as to produce the clamping effect between the two plates, the tubular element at each end of the bag providing a means of admitting steam under pressure into said bag at one end thereof and draining con-



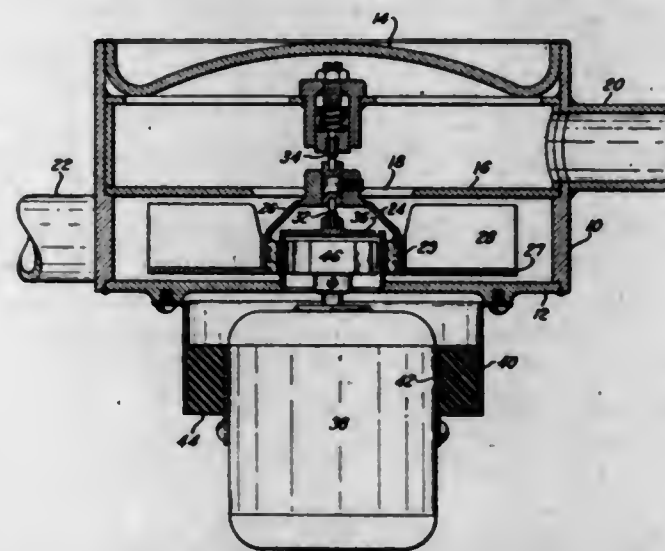
densed steam from the other end thereof and means for definitely holding the ends of the bag against movement to prevent elongation of the bag when the bag is inflated with steam pressure said means for definitely holding the ends of the bag comprising a curved rigid frame element having a head on each end thereof, said bag and end plates thereon being positioned between said heads, the engaging faces of said heads and plates being formed so that one will receive the other for definitely holding the bag in a predetermined fixed position in the said frame, said heads having openings therethrough for the passage of the tubular elements on the ends of the bag.

2,386,505

REFRIGERATION

Clarence G. Puchy, Cleveland, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application July 9, 1942, Serial No. 450,298
15 Claims. (Cl. 230-117)



1. A hermetically sealed circulator unit comprising, a casing, a magnetic follower mounted for rotation in said casing and including an annulus of magnetic material, a fan secured to the outer periphery of said annulus, an inverted cup-shaped member of non-magnetic material hermetically sealed to said casing and extending up-

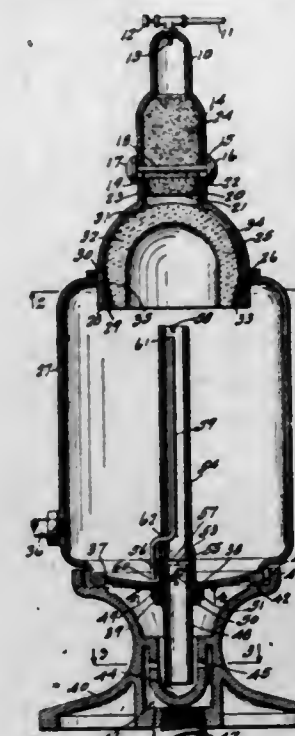
wardly therein into the interior of and closely adjacent said magnetic annulus and a magnetic driver mounted exteriorly of said casing and extending into and closely adjacent the interior of said inverted cup-shaped member.

2,386,506

FILTER

William B. Pumphrey, Oakland, Calif.

Application January 24, 1944, Serial No. 519,557
11 Claims. (Cl. 210-104)



1. A filter, in combination, a container having an overflow passage and a trap therefor; a three-stage filter unit of relatively decreasing permeability and supported by and discharging into said container, and an inlet for liquid under pressure and connected to the initial one of said three stages, and flow control means for said inlet; said overflow passage comprising; a pipe fixed in the bottom of said container and having an upward extension provided with diametric passages opening into the lower portion of said container, and a downward extension terminating in a sump to form said trap; and a second pipe having its lower end telescopically associated with said upward extension and adjustable to open and close said passages for draining the container or for sealing the passages at will; a tube extending from the lower portion of said container exteriorly of said second pipe to a point near the top and within said second pipe, for draining excess filtrate from the lower portion of the body of filtrate in the container.

2,386,507

MANUFACTURE AND USE OF HYDROCARBONS DERIVED FROM STYRENE AND ITS HOMOLOGUES

Denis Cheselden Quin, London, England

No Drawing. Application January 21, 1942, Serial No. 427,658. In Great Britain June 9, 1941
12 Claims. (Cl. 260-668)

9. As a new article of manufacture, a material suitable for use as a plasticiser for polystyrene resins, the said material being a mixture of relatively low molecular weight hydrocarbons and having miscibility and compatibility with polystyrene resins, the said material being produced by submitting to hydrogenation, so as to substantially saturate the unsaturated olefinic linkages without appreciably hydrogenating the aromatic rings of the nuclei, a liquid reaction prod-

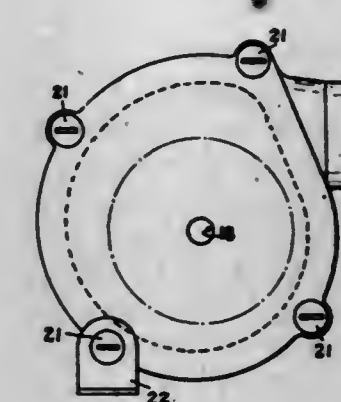
uct prepared by condensing a mixture of a monocyclic hydrocarbon containing a styrene radical and an aromatic compound of relatively low molecular weight free from unsaturation other than aromatic unsaturation to produce a mixture comprising a condensation product of one molecule of said styryl compound with one molecule of said second aromatic compound, in admixture with an olefinically unsaturated dimer of said styryl compound, the resulting liquid reaction product being susceptible to distillation under reduced pressure conditions without substantial decomposition.

2,386,508

BLOWER HOUSING AND ASSEMBLY

Louis R. Ripley, Litchfield, Conn.

Application July 23, 1942, Serial No. 452,012
4 Claims. (Cl. 230-117)



1. A blower housing comprising a body portion having a completely open side and an inlet opening in the other side, an outlet at a point in the periphery of the body portion, a flat plate forming the side wall over the open side and having an opening for a motor shaft therethrough, the plate being adapted to be drilled at any point to secure a motor thereto, and screws carried by the body portion variously spaced from each other and from the motor shaft opening to secure the flat plate to the body portion, said screws adapted to also engage a support.

2,386,509

MODIFICATION OF STARCH

Thomas John Schoch, La Grange, Ill., assignor to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application November 29, 1943,
Serial No. 512,259

8 Claims. (Cl. 127-32)

1. In the process of modifying starch by heating the same in the presence of water, the improvement which consists in contacting the starch undergoing modification with saturated aliphatic monohydric alcohol having 1 to 6 carbon atoms, in an amount effective to reduce the temperature at which the starch gelatinizes.

2,386,510

SLIDING DOOR SUPPORTING APPARATUS

Ira Shafer, San Diego, Calif.

Application July 6, 1942, Serial No. 449,859
6 Claims. (Cl. 20-19)

1. In an apparatus of the class described, the combination of a pair of enclosed spaced trackways, a pair of roller carriages arranged to ride on said trackways each provided with downwardly extending relatively wide guide means arranged to extend in the space between said trackways for

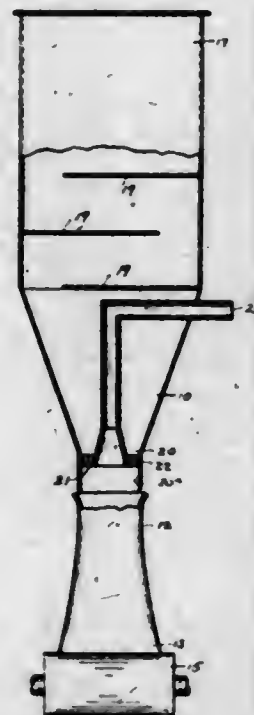
guiding said roller carriages, and a door pivotally and adjustably connected with one of said carriages and latch means for connecting and disconnecting the other side of said door with the



other carriage, said trackways provided with cutaway portions at one end which permits the insertion of said carriages from the lower side between said trackways.

2,386,511

APPARATUS FOR MAKING GLASS FILM
Games Slayter and Henry Snow, Newark, Ohio, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware
Application October 2, 1943, Serial No. 504,786
5 Claims. (Cl. 49-17)



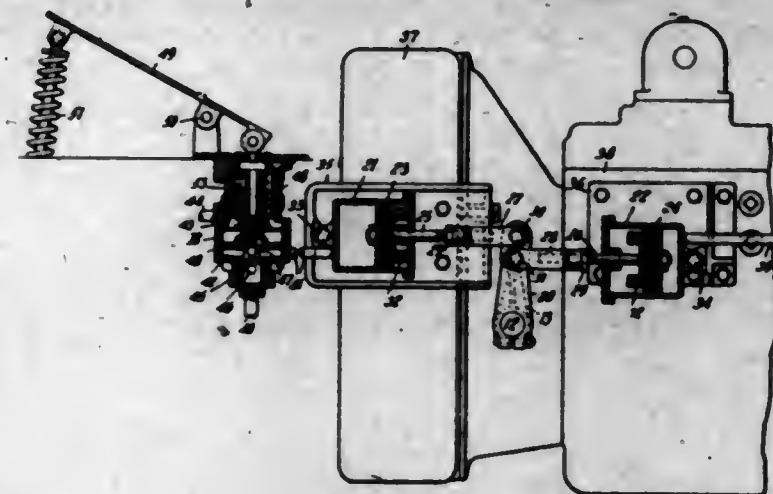
1. Apparatus for producing glass film comprising a bushing having an annular discharge orifice through which molten glass flows in the form of a hollow stream, means for introducing fluid under pressure into the stream, and means for confining the stream including a tube positioned to receive the stream and having a portion which progressively flattens to correspondingly flatten the stream.

2,386,512

CLUTCH OPERATING MECHANISM
Lawrence H. Smith, Chicago, Ill., assignor to General American Aerocoach Company, Chicago, Ill., a corporation of Delaware
Application April 2, 1943, Serial No. 481,547
3 Claims. (Cl. 192-91)

1. In a mechanism for operating a clutch having spring means therein normally holding the clutch closed, the combination of a source of air under pressure, a clutch opening pneumatic device comprising a cylinder and piston therein connected to said source of air pressure and normally

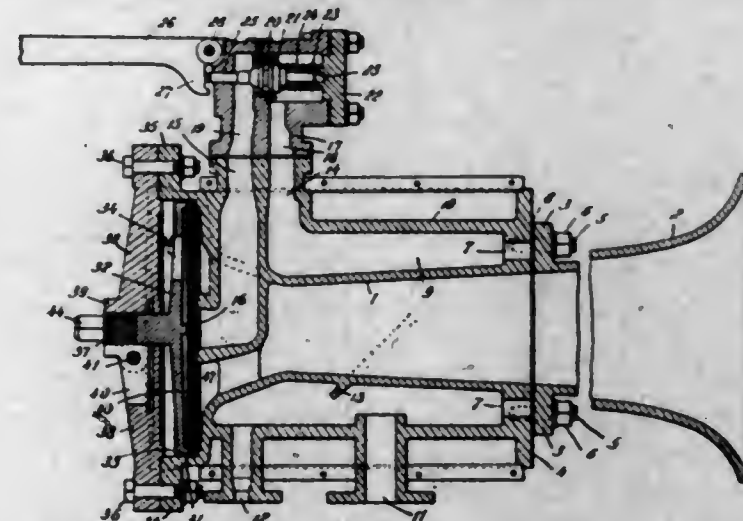
acting to overcome the spring means of the clutch to open the clutch, and a pneumatic device operating the action of the opening device when air under pressure is admitted thereto.



posing the action of the opening device when air under pressure is admitted thereto.

2,386,513

STEAM WHISTLE
Sten Soderberg, Passaic, N. J., assignor to Leslie Company, Lyndhurst, N. J., a corporation of New Jersey
Application June 19, 1943, Serial No. 491,463
4 Claims. (Cl. 116-142)



1. A steam whistle comprising a horn, a steam jacket surrounding the horn, the jacket being provided with an inlet opening and an outlet opening, a valve casing arranged adjacent the whistle, the steam jacket being provided with a passage connected to the valve casing at a point remote from the inlet opening of the steam jacket, a valve in the casing, and a diaphragm mounted in the body portion of the whistle adjacent the rear end of the horn, the body portion of the whistle being provided with a passage connected to the valve casing and extending to the diaphragm whereby steam for the operation of the diaphragm is withdrawn from the steam jacket through the valve casing and delivered to the diaphragm through the last mentioned passage.

2,386,514

SIDE HOLE CORING DEVICE
John C. Stokes, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application June 11, 1942, Serial No. 446,551
5 Claims. (Cl. 255-1.4)

1. In a side hole coring device, a core drill, a drill stem carrying said drill on the lower end thereof, a whipstock below said core drill, lost motion means for suspending said whipstock from and below said core drill whereby said core drill may be moved downwardly toward and deflected laterally by said whipstock, a cylinder and a part having an outwardly and upwardly inclined surface carried by said whipstock, a piston in said

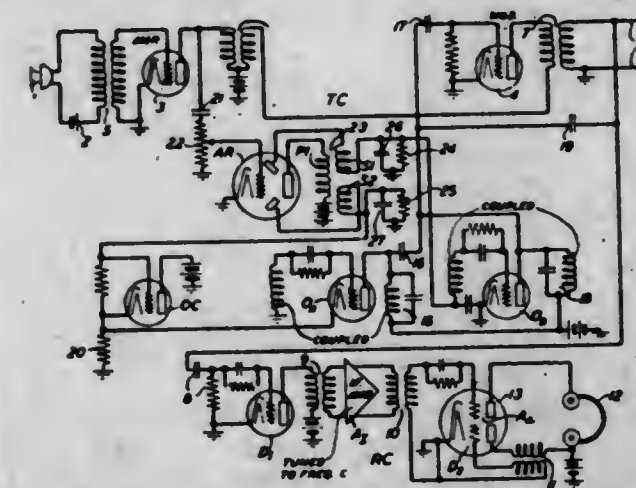
cylinder, a slip in engagement with said inclined surface and adapted on upward movement of the slip with respect to said surface to expand into locking engagement with the wall of the hole, means connecting said piston and said slip where-



by upward movement of the piston will cause setting of the slip, and means connecting said cylinder below said piston with the interior of said drill stem whereby fluid pressure may be applied to said piston to raise it and set said slip.

2,386,515
TWO-WAY CARRIER WAVE SIGNAL TRANSMISSION SYSTEM

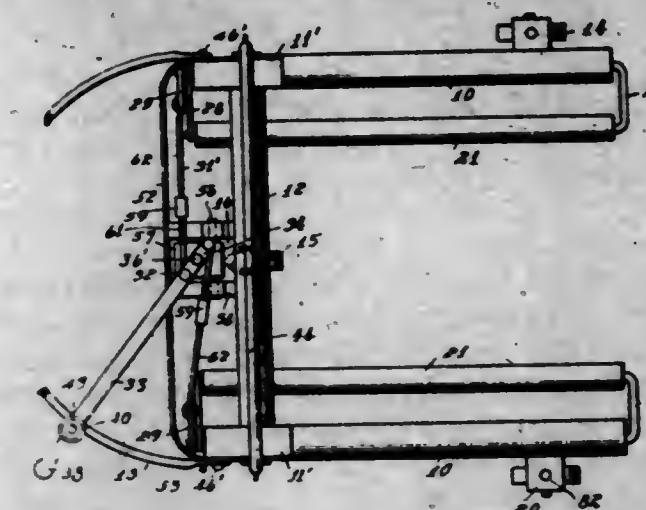
Leland K. Swart, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 30, 1944, Serial No. 570,591
11 Claims. (Cl. 179-1)



1. In combination at a station of a two-way carrier wave signaling system, a signal transmitter including a signal modulator, a signal receiver including a signal demodulator, a common oscillator for supplying carrier waves of different frequencies to said signal modulator and said signal demodulator, respectively, for modulating therein respectively with outgoing signals to produce a signal-modulated carrier wave for transmission, and with an incoming signal-modulated carrier wave to aid in the detection of the signals therefrom during receiving intervals, said oscillator being normally conditioned to supply only the carrier of the frequency used in said receiving intervals, and a signal-operated switching device responsive to outgoing signals generated at the station to change the produced frequency of said oscillator to that used for transmitting said outgoing signals.

2,386,516
DOLLY

Elmer B. Thompson, Des Moines, Iowa, assignor to Globe Hoist Company, Des Moines, Iowa, a corporation of Iowa
Application April 27, 1944, Serial No. 533,031
9 Claims. (Cl. 254-8)



3. A dolly comprising a horizontal frame, a pair of load-carrying members pivoted on said frame for pivotal up and down movement, a supporting member rotatably mounted on said frame for rotation about an axis extended transversely of said frame, means for raising and lowering said load-carrying members including a manually operated handle pivoted adjacent one end on said supporting member, with the pivot for said handle being normal to the axis of rotation of said supporting member, means for locking said handle in a pivotally moved position to hold said load-carrying members in an adjusted position, and means operatively connecting said handle with said load-carrying members including levers extended transversely of said frame, each of said levers having one end portion rotatable relative to the other end portion thereof whereby said handle is pivotally movable with said supporting member in a vertical plane when locked to hold said load-carrying members in an adjusted position.

2,386,517
HYDROXY-SUBSTITUTED ARYL GUANAMINES

Jack Theo Thurston, Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 30, 1941, Serial No. 409,140
4 Claims. (Cl. 260-249.5)

1. A method of preparing a hydroxy-substituted aryl guanamine which comprises the steps of dissolving a biguanide in a suitable solvent therefor, adding thereto an ester of a hydroxy-substituted mono-nuclear aromatic carboxylic acid, carrying the resultant reaction to substantial equilibrium and isolating the resultant hydroxy-substituted aryl guanamine.

2,386,518
SUPPORTED CATALYSTS AND PROCESS FOR PREPARATION THEREOF

John D. Upham, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application March 4, 1943, Serial No. 478,028
15 Claims. (Cl. 252-210)

1. In the process of preparing a catalyst comprising a metal oxide supported on a granular, porous and highly adsorptive catalyst carrier material of the desired size and shape which comprises impregnating the porous catalyst carrier

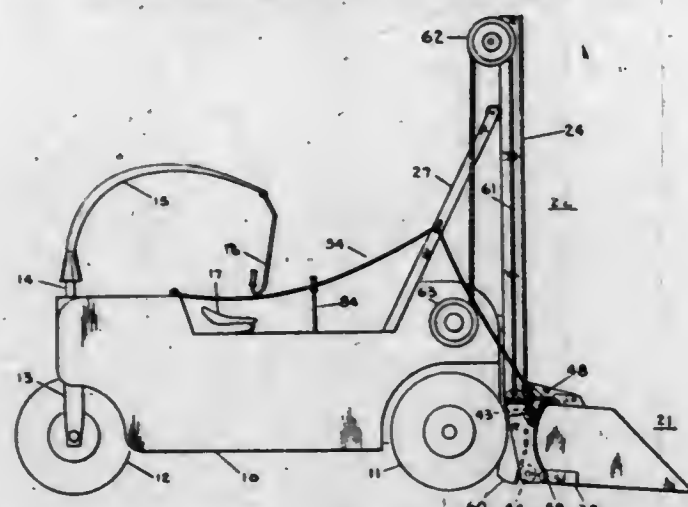
material with a concentrated aqueous medium comprising a compound of a metal that is capable of yielding by reaction with alkalis a catalytically active metal oxide and thereafter precipitating the catalytically active metal oxide on the impregnated carrier material with an alkali, the improvement whereby the metal oxide is precipitated upon the carrier material without substantial disruption of the catalyst carrier material and without the formation of a substantial amount of fine, which comprises impregnating the catalyst carrier material with the concentrated aqueous medium comprising the metal compound in a relatively small proportion insufficient to cause disruption of the carrier on treatment with ammonia, removing excess liquid therefrom, subjecting the resulting material to the action of substantially anhydrous ammonia to effect precipitation of the metal oxide throughout the carrier material, and heating the resulting material to remove water and ammonium compound therefrom.

2,386,519

MATERIAL HANDLING TRUCK

Harold A. Wagner and Gustave H. Wagner,
Portland, Oreg.

Application December 6, 1943, Serial No. 513,160
2 Claims. (Cl. 214-113)



1. A bulk material handling apparatus comprising a vehicle including a frame, an upright secured to the forward end of said frame, a scoop, a carriage pivotally supporting said scoop mounted upon said upright for vertical movement with respect thereto, the pivotal axis for said scoop on said carriage being rearward of the center of gravity of said scoop whereby said scoop is normally unbalanced toward a dumping position, a rotatably mounted shaft extending transversely of said carriage and having a squared shoulder formed thereon, stop means limiting rotation of said shaft in one direction, spring means biasing said shaft to the limit position in said one direction, pivoted hook means secured to the upper portion of said scoop for cooperatively engaging said shoulder for retaining said scoop in a substantially horizontal position, and means for rotating said shaft against said spring biasing means for causing disengagement of said hook means from said shoulder.

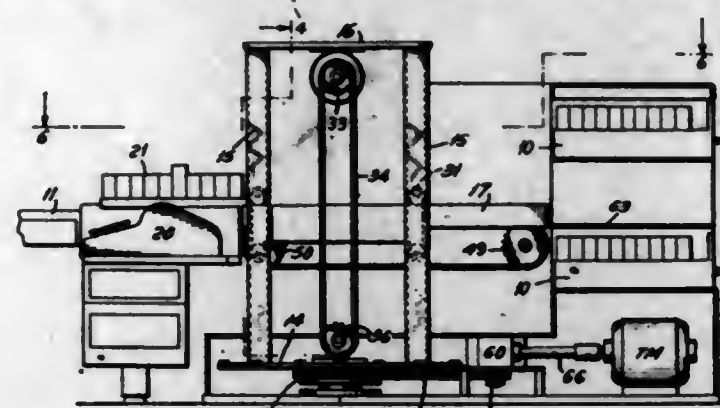
2,386,520

FILING SYSTEM

Thomas J. Watson, New Canaan, Conn., and Burdette H. Phillips, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 11, 1943, Serial No. 478,808
7 Claims. (Cl. 45-2)

3. In a filing system associated with an operator's station, for filing material identified by

a first letter, or by first and second letters, storage means for holding a number of units of material in different individual positions corresponding, respectively, to the identifying letters of the units of the material, conveying means adapted to convey a unit of material from any one of said positions to the operator's station, control means for said conveying means comprising a keyboard

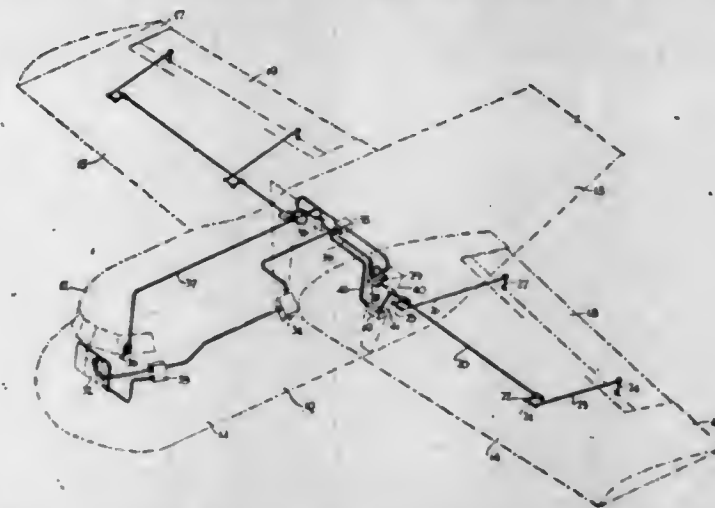


with first letter and second letter keys, a number of identifying devices corresponding, respectively, to the different units and control devices operated by said keys to select said identifying devices individually for operation, the control devices operated by said second letter keys acting jointly with at least some of the control devices operated by said first letter keys, to select identifying devices pertaining to units with corresponding identifying letters.

2,386,521

AUTOMATIC FLAP CONTROL

Michael Watter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 1, 1943, Serial No. 471,000
3 Claims. (Cl. 244-42)



1. In an airplane, opposite wings each having vertically swingable rear flaps, a motor means for moving said flaps, power transmission means between the motor means and flaps to impart either up or down flap movement, a strain control unit in said transmission means and forming a part thereof, and connections separated from said transmission means between said control unit and motor means for energizing said motor means to lift or lower said flaps in accordance with the strain-produced condition of said control unit.

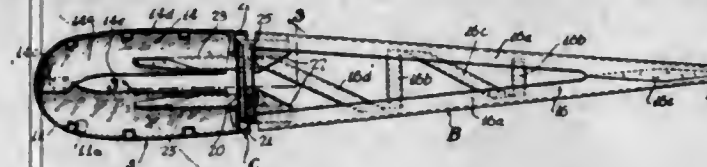
2,386,522

AIRFOIL CONSTRUCTION

Michael Watter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 25, 1943, Serial No. 488,329
8 Claims. (Cl. 244-123)

1. An airfoil comprising in combination; a nose section sub-assembly unit including a rib com-

prising half-rib plate elements welded through peripheral flanges to a skin blanket and welded together at their front ends through overlapping interior projections, and a box-like shear transfer member open at one side and cut back from the ends welded to the rear inner edge of each rib element at its front end and projecting rearwardly at its rear end; a spar section sub-assembly unit including a plate web having openings for said box-like members, L-shaped chords welded to the outer edges of the web, L-shaped struts welded to the web on each side of the open-



ings with a side of each strut parallel to the side of the other strut, and a U-shaped gusset member welded to said struts at each opening with the backing web of the gusset member disposed outwardly toward said spar chords; and a trailing section sub-assembly including a truss rib comprising chords and struts, one strut at the front end being inclined, said chords each being welded to a gusset member exteriorly, and said inclined strut being welded inside the rear end of one of said box-like members which is welded inside one of said gusset members.

2,386,523

PROCESS FOR SEPARATING HYDROCARBONS

Charles E. Welling, Wilkinsburg, Pa., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application December 13, 1943,
Serial No. 514,157
8 Claims. (Cl. 183-115)

1. A process for the resolution of a mixture of close-boiling structurally isomeric aliphatic olefins having from four to six carbon atoms per molecule and being of different degrees of branchedness into a fraction of more highly branched olefins and a fraction of less highly branched olefins which comprises extracting said mixture of olefins in the gaseous phase with a solvent composed of liquid furfural containing 3 to 5 weight per cent of dissolved water and thereby effecting preferential dissolution in the furfural of the more highly branched olefin content of said mixture while causing the less highly branched olefin content of said mixture to remain undissolved, separating the resulting solution from the resulting gaseous phase, and recovering the dissolved more highly branched olefins from said solution by stripping the same.

2,386,524

PROCESS FOR THE MANUFACTURE OF ALUMINUM HALIDE CATALYSTS

Thomas H. Whaley, Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application October 5, 1942,
Serial No. 460,861
8 Claims. (Cl. 49-77)

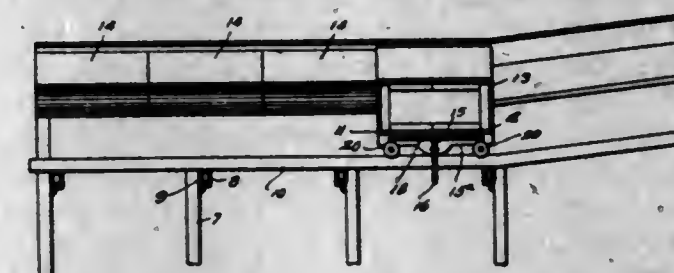
7. The process of manufacture of aluminum halide fibres which comprises heating anhydrous aluminum halide under a pressure in excess of its vapor pressure to the molten state, forming a stream of the molten aluminum halide of small diameter substantially that of the desired fibre in an atmosphere of an inert gas at a pressure in excess of the vapor pressure of the aluminum halide, and cooling said stream to a solid fibre.

2,386,525

ROOF CENTER

Joseph S. White, Galena Park, Tex.

Application February 16, 1944, Serial No. 522,684
2 Claims. (Cl. 25-131.6)



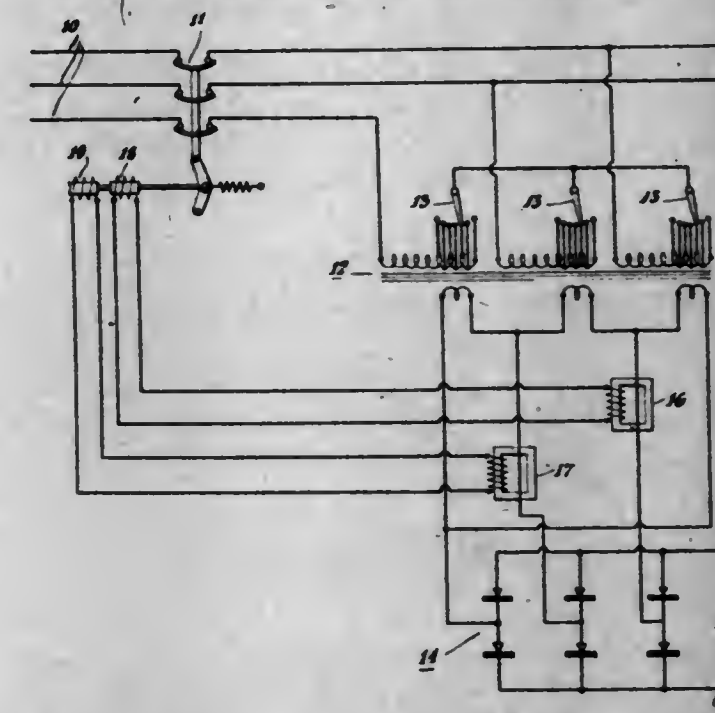
1. A roof constructing center for use on a pair of tracks comprising an elongated arch-shaped frame, pairs of wheels at opposite ends of the frame adapted to roll along said tracks and having axles, and means to mount said frame on said wheels for vertical adjustment relative thereto comprising a pair of hand levers pivotally mounted intermediate the ends thereof on opposite ends of said frame in depending position and independently swingable, and means swingably connecting the upper ends of the levers to the axles of the pairs of wheels at corresponding ends of the frame.

2,386,526

PROTECTIVE CIRCUIT FOR TRANSFORMER-RECTIFIER SYSTEMS

Robert O. Whitesell and Paul B. Freeman, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

Application September 9, 1943, Serial No. 501,602
2 Claims. (Cl. 175-363)



2. A transformer-rectifier system wherein an A. C. supply circuit feeds an adjustable ratio tapped transformer through a circuit breaker and the transformer feeds a full-wave dry disc rectifier through A. C. secondary circuit conductors and said rectifier supplies D. C. to a pair of output conductors, characterized by the fact that there is combined with at least one of said secondary circuit conductors a current transformer having its output connected to the tripping coil of said circuit breaker.

2,386,527

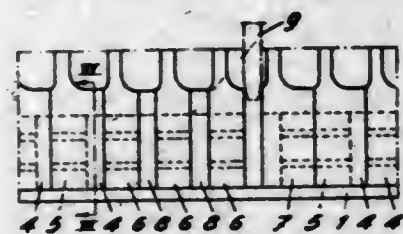
TURBINE ROTOR

Oscar Anton Wiberg, Finspong, Sweden
Application March 27, 1944, Serial No. 528,327

In Sweden February 24, 1943
4 Claims. (Cl. 253-77)

1. In a turbine rotor of the type set forth, a turbine disc, a set of turbine blades having feet

spaced apart attached to the periphery of the turbine disc by a straddling engagement between the feet of the blades and the peripheral portion of the disc, peripherally extending claw-shaped lugs and corresponding grooves formed in the abutting surfaces of said feet and said peripheral portion for sealing the blade feet and disc in said engagement, said set of turbine blades comprising, in series, a main group of blades the feet of which are formed with lugs and grooves along a fraction of their peripheral length as reckoned from one peripheral end of the feet, a minor group of blades from the feed of which the lug and the groove-free portions are cut away, a final blade

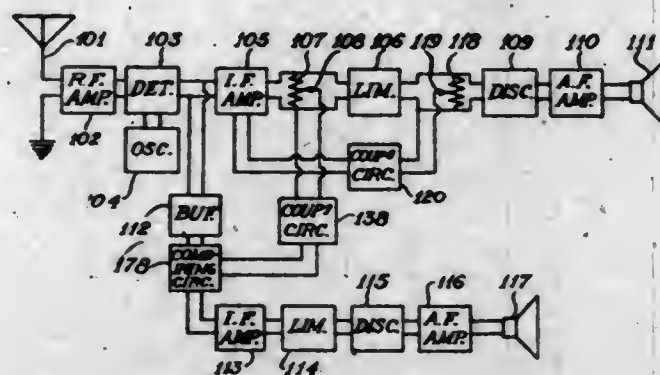


having a foot of the same peripheral length as the said blades of the main group and having lugs and grooves on said foot which extend along a fraction of the peripheral length thereof from the opposite peripheral end thereof as compared with lugs and grooves of the blades of the main group, separate distance pieces inserted in the place of the cut away portions of the feet of the blades of said minor group, and the lugs of the peripheral portion of the disc being cut away along a peripheral length corresponding to that of the lugs of the blade feet, so as to form an inlet passage for application of one blade at a time to the periphery of the disc.

2,386,528

FREQUENCY MODULATION SYSTEM

Raymond M. Wilmette, Washington, D. C.
Application December 26, 1941, Serial No. 424,522
11 Claims. (Cl. 250-20)



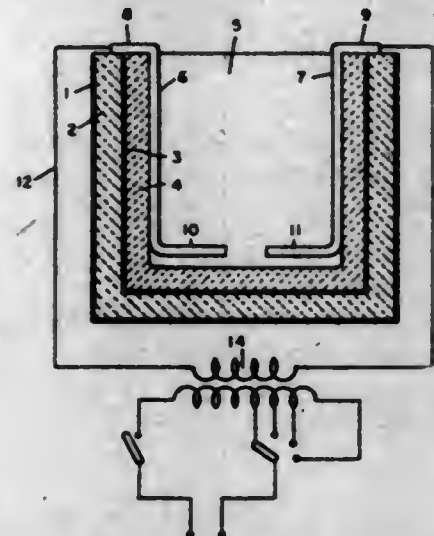
1. In a frequency modulation radio receiving system, including radio frequency means for receiving and amplifying two signals of different amplitude covering interfering overlapping parts of the same frequency band, the stronger signal being frequency modulated, a radio frequency amplifier, an oscillator, a rectifier connected to the outputs of the radio frequency amplifier and the oscillator, an intermediate frequency amplifier, a first circuit connecting the output of said rectifier to the input of said intermediate frequency amplifier, a limiter connected to the output of said intermediate frequency amplifier, a discriminator, a second circuit connecting the input of said discriminator to the output of said limiter, and audio output means consecutively connected to the output of said discriminator, an attenuator connected across said second circuit for attenuating a portion of the output of said limiter, a buffer connected to said first circuit, means for combining the outputs of said attenuator and said buffer so as to nullify the stronger signal component in the output of said buffer

with the stronger signal component in the output of said attenuator, whereby a resultant is produced in which the weaker of the signals originally received dominates the stronger, and a limiter, discriminator, and audio output means consecutively connected to the output of the last-mentioned means.

2,386,529

SALT BATH FURNACE

William Wilson, Cleveland, and John J. Brutvan, Bedford, Ohio, assignors to The Cleveland Twist Drill Company, Cleveland, Ohio, a corporation of Ohio
Application October 2, 1943, Serial No. 504,688
12 Claims. (Cl. 13-23)

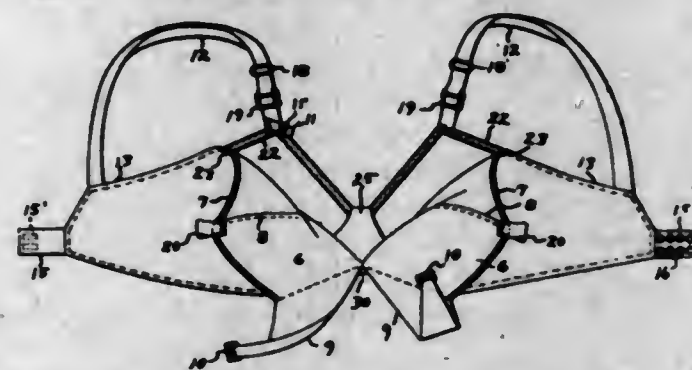


1. The combination with a heating furnace provided with a well adapted to contain a fluid bath heated by its own internal electrical resistance, of heating electrodes so arranged in said well that the major proportion of the heating current passes horizontally therebetween and is concentrated in an area of the bath closely overlying the bottom of the well.

2,386,530

NURSING BRASSIERE

Max Witkower, Los Angeles, Calif.
Application September 27, 1943, Serial No. 503,926
2 Claims. (Cl. 2-42)



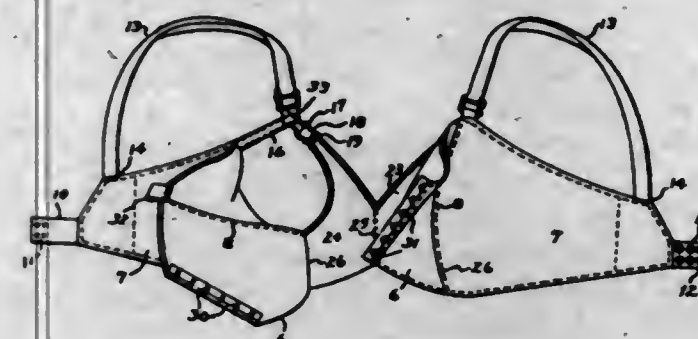
1. In a brassiere: a pair of breast pockets terminating at their sides in bands adapted to extend around the body of the wearer; detachable securing means at the ends of the bands; a pair of shoulder straps each secured at one end to one of the said bands, said breast pockets each having a flap extending upwardly over the opposite breast pocket; a centrally disposed inverted V-shaped breast supporting member on the inside of the brassiere having its lower edge secured to the lower edge of the breast pockets; a pair of ribbons each having their lower end attached to the upper portion of said supporting member and each having its upper end attached to the upper portion of a breast pocket, the front ends of each shoulder strap being attached to its associated ribbon intermediate the ends of the ribbon;

means for detachably securing the upper portion of each breast pocket to its associated shoulder strap; means for detachably securing the end of one flap to the opposite shoulder strap and means for detachably securing the end of the other flap to the upper portion of the opposite breast pocket.

2,386,531

BRASSIERE

Max Witkower, Los Angeles, Calif.
Application September 27, 1943, Serial No. 503,927
3 Claims. (Cl. 2-42)

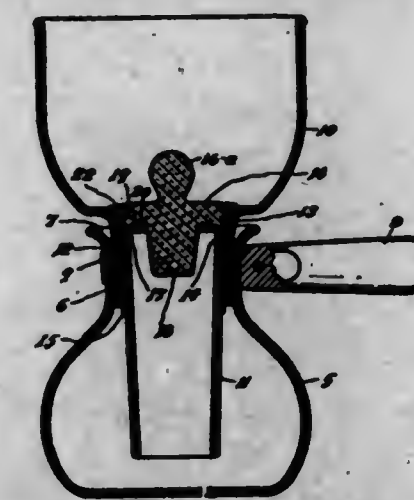


1. In a brassiere: a pair of breast pockets narrowing at the sides to form bands; means for detachably securing the ends of the bands together; means for detachably securing the breast pockets together along the medial line of the front of the brassiere; a pair of shoulder straps having their back ends secured to the breast pocket bands; a ribbon secured intermediate its ends to the front end of each shoulder strap, one ends of the ribbon being attached to the upper portion of its associated breast pocket; a breast supporting member terminating upwardly in two divergent ends terminating at sides at and attached by stitching to the lower portion of the breast pockets; means for detachably securing the upper ends of the supporting member to the other ends of said ribbons.

2,386,532

COFFEE MAKER

Frank E. Wolcott, West Hartford, Conn., assignor to The Silex Company, Hartford, Conn.
Application February 17, 1943, Serial No. 476,196
1 Claim. (Cl. 210-162)

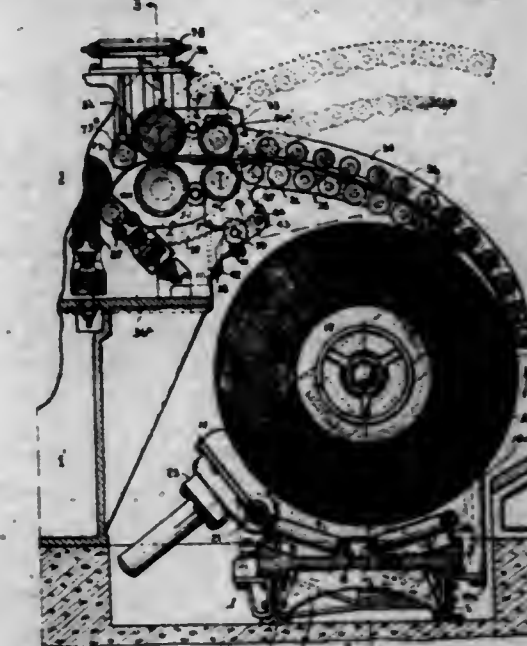


For a coffee maker of the character described, a filter member including a disc shaped portion of impermeable material having an axial projection depending from the bottom thereof, an annular peripheral inverted shoulder in said bottom spaced from and surrounding said projection, and a strainer member comprising a disc of pervious material having a central opening and surrounding said projection and extending along the bottom of said drainer and upwardly along the sides thereof.

2,386,533

UNCOILING MECHANISM

Carl M. Yoder, Lakewood, Ohio; Bertha L. Yoder executrix of said Carl M. Yoder, deceased
Application November 27, 1941, Serial No. 420,639
23 Claims. (Cl. 242-78)



5. In apparatus of the class described, the combination with a support, feed rolls thereon adapted to be related to a mechanism for operating on sheet material, of supporting means for a coil of material movably mounted on said support, curvilinear guide means having its inner end related to said feed rolls and extending outwardly therefrom, the outer end of said guide means being arranged to engage the outer convolution of the coil as it unwinds from the latter and guide the material to said feed rolls, and means for moving the coil toward said guide means to maintain the lead-off portion of its outer convolution during unwinding of the coil in a substantially predetermined relation to the outer end of said guide means for delivery thereto.

2,386,534

SAFETY GLASS COMPOSITION

George Barsky, New York, N. Y., assignor to Weccolite Products, Inc., Boonton, N. J., a corporation of New Jersey
Application January 28, 1942, Serial No. 428,503
6 Claims. (Cl. 260-36)



6. In resinous synthetic plastic materials, plasticizers which are the triethylene glycol esters of unsaturated fatty acids having from 6 to 18 carbon atoms, said esters being halogenated to a substantial degree, the halogen being attached to the acid radical of said ester.

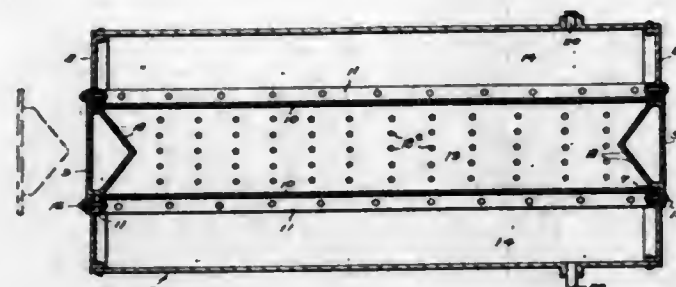
2,386,535

SHAPING PRESS

William K. Beinhoff, Cleveland, Ohio
Application October 20, 1944, Serial No. 559,541
4 Claims. (Cl. 144-281)

1. A shaping press of the character described, comprising a horizontally elongated pressure tank having a flat portion at the top and bottom running the full length of the tank, said tank having end walls provided with openings of the same width as the flat portions of the tank and extending from top to bottom of the latter, flexible elastic partitions secured in the tank in the planes of the sides of said flat portions and divid-

ing the tank into an intermediate shaping compartment and pressure compartments at each side of said shaping compartment, heads closing the openings in the ends of the tank and having angular portions jutting into the ends of the shaping compartment, there being air escape and

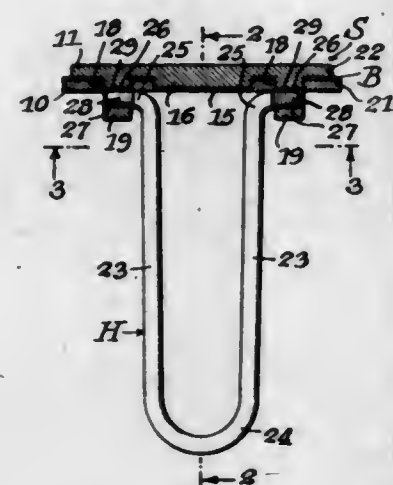


inlet perforations through the walls of the heads and the flat portions of the tank, means for removably securing one of the heads in place so that it may be removed for access to the shaping compartment, and means for introducing a heated fluid under pressure into the pressure compartments.

2,386,536

SAFETY RAZOR

Duryea Bensel, Los Angeles, Calif.
Application April 3, 1944, Serial No. 529,245
10 Claims. (Cl. 30—68)



2. A safety razor comprising: a shaving head including a guard element and a top element co-acting to confine a cutting blade therebetween for shaving therewith; one of said elements having attaching lugs provided with openings; a handle including spring arms provided with lateral attaching portions urged into said openings by the spring action of said arms; and means on said attaching portions co-acting with said lugs to rigidly retain the shaving head in a shaving position relative to the handle.

2,386,537

PROCESS OF PRODUCING ISOPRENE

Carlisle H. Bibb, Pensacola, Fla., assignor to Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware

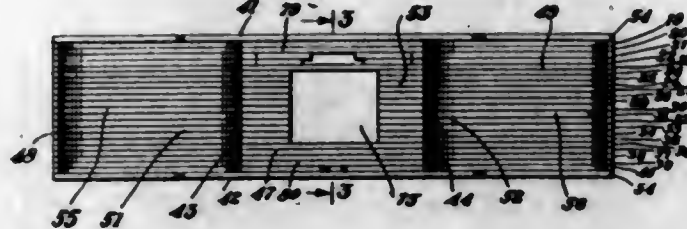
No Drawing. Application April 23, 1941,
Serial No. 389,889
6 Claims. (Cl. 260—680)

1. In the process of making isoprene by jointly distilling and thermally decomposing terpene hydrocarbons on an incandescent element in a reaction zone, the improvement comprising substantially completely freeing the hydrocarbons so distilled of isoprene before returning said distilled hydrocarbons to said reaction zone.

2,386,538

BODY FOR APPARATUS OR THE LIKE, PARTICULARLY FOR PHOTOGRAPHIC APPARATUS

Jacques Bolsey, New York, N. Y.
Application November 8, 1943, Serial No. 509,400
5 Claims. (Cl. 95—11)



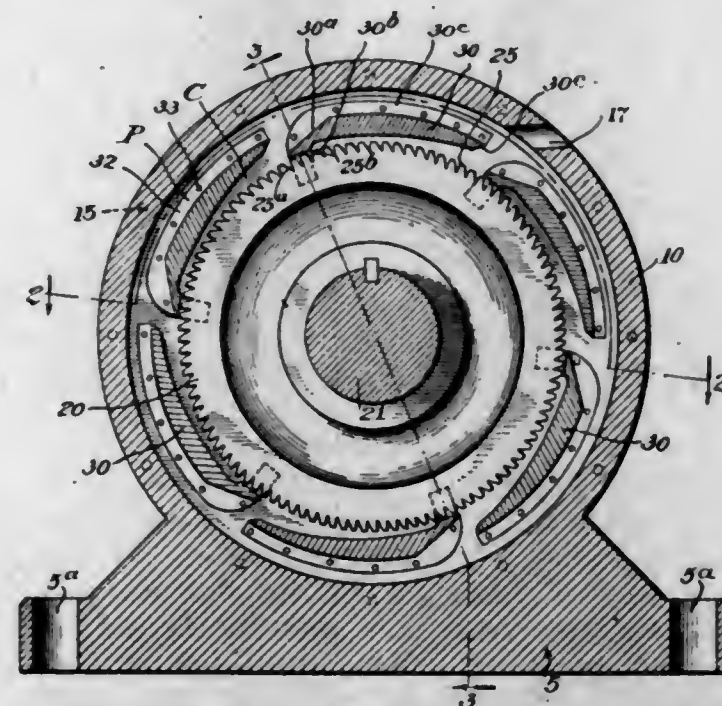
1. A camera body comprising a plurality of body lamination layers having substantially identical corresponding outer contours and superimposed with said contours corresponding to each other parallel to the top and bottom faces of said camera body and secured to each other; each of the outer lamination layers near said top and bottom faces of said camera body consisting of one single lamination plate and each of the inner lamination layers arranged between said outer lamination layers composed of two narrower lamination plates spaced apart from each other so as to form between them within said camera body an exposure chamber; all said lamination layers being provided with two equal cut-outs at their edges in such a manner as to form two spaces each of which is open at the top and bottom of said camera body but closed at all sides except at the front or the rear; and at least one top and one bottom lamination layer having at least substantially the same outer contours as said body lamination layers but having no cut-outs superimposed upon the top and bottom, respectively, of said laminated camera body covering also said two open spaces within the same, thus forming within said camera body two film compartments closed at all sides except at the rear.

2,386,539

ROTARY MOTOR

Alfred G. Brown, Los Angeles, Calif., assignor of one-half to L. T. Sepin, Los Angeles County, Calif.

Application November 9, 1943, Serial No. 509,578
10 Claims. (Cl. 253—50)



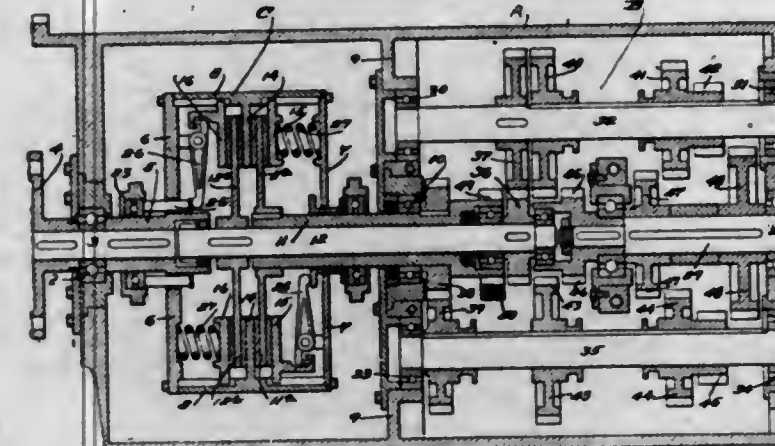
1. A motor of the class described comprising a closed cylindrical casing having an inlet port adapted to discharge fluid under pressure tangentially into the casing, a rotor journaled for rotation in the casing, circumferentially spaced

vanes on the periphery of the rotor providing channels therebetween, the surface area of the face of the respective vanes towards the direction of rotation being relatively less than the surface area of the opposite surface, a stationary member in the cylinder closely overlying only a portion of the periphery of the rotor and an exhaust port communicating with the casing only through the channels between the vanes rotated into position underlying said stationary member.

2,386,540

MULTISPEED GEAR TRANSMISSION

John J. Campodonico, Stockton, Calif.
Application September 17, 1943, Serial No. 502,847
4 Claims. (Cl. 74—330)

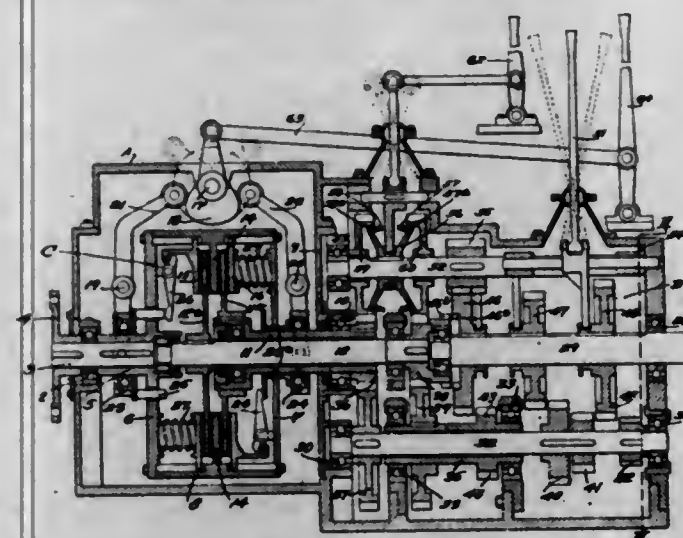


1. In a transmission of the character described, a housing, a pair of counter shafts and a driven shaft journaled in the housing, a plurality of gears on the driven shaft, a plurality of gears on each counter shaft, means for reversing one countershaft with a gear on the driven shaft, means for meshing a gear of another speed ratio on the countershaft which is reversible with another gear on the driven shaft, and means for transmitting motive power to either countershaft to drive the driven shaft ahead at one speed or reverse at another speed.

2,386,541

MULTISPEED GEAR TRANSMISSION

John J. Campodonico, Stockton, Calif.
Application October 15, 1943, Serial No. 506,446
9 Claims. (Cl. 74—330)



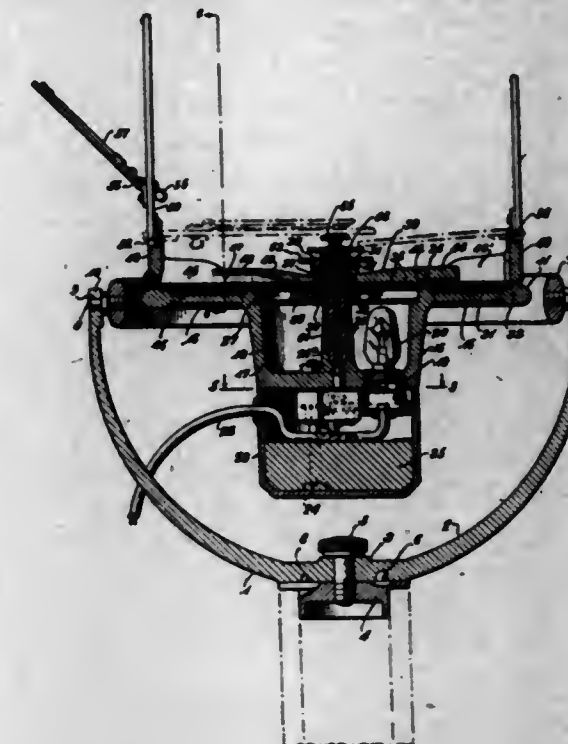
1. In a transmission of the character described, a housing, a tubular counter shaft journaled in the housing, a second counter shaft extending therethrough and journaled in the housing, a driven shaft journaled in the housing, means for transmitting power from either counter shaft to drive the driven shaft, and means for selectively transmitting motive power to either counter shaft.

579 O. G.—18

2,386,542

PELORUS

Charles Arthur Clark, Portland, Oreg., assignor to Leupold & Stevens Instruments, Portland, Oreg., a partnership
Application June 30, 1943, Serial No. 492,969
5 Claims. (Cl. 240—2.1)

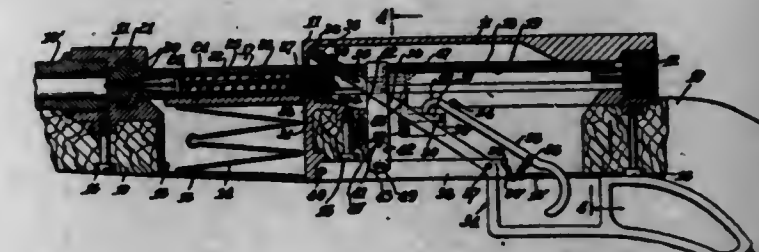


5. In a pelorus including a support, an opaque card having marginal calibrations, said card being mounted on said support for rotation in a horizontal plane, a housing mounted on said support below said card, the top of said housing and the under side of said card defining therebetween a light seal, a light bulb in said housing, a normally open micro switch controlling the flow of current to said light bulb, said micro switch being located in said housing, a switch operating rod extending upwardly from said micro switch through the center of said card to a point thereabove, said card having light passages there-through adjacent its axis of rotation and an alidade, said alidade having an opaque hub portion recessed on its under side, said hub portion overlying the center of the card with its recessed portion registering with the light passages through the card, said hub portion being peripherally interrupted to confine the light from the recess to a sector of said card, said alidade also including a pair of radial arms extending in opposite directions from said hub, one of said arms being in registry with the interrupted portion of the hub and serving to shield the sector of light except at the marginal portion of the card.

2,386,543

FIREARM

James J. Collins, New York, N. Y.
Application January 27, 1942, Serial No. 428,346
2 Claims. (Cl. 42—18)



1. A firearm construction comprising a stock having a slot therein for the reception of operating mechanism, a receiver secured to said stock above said slot and having a tubular bore, opposed grooves extending longitudinally of said bore, and recesses at the front ends of said

grooves, a barrel connected with said receiver in alignment with said bore, a bolt reciprocable and rotatable in said receiver bore, lugs projecting radially from said bolt adjacent its head, said lugs being received in and guided by said grooves during reciprocation of the bolt and being received in said recesses by rotation of the bolt to lock the bolt in closed position, an arm projecting radially and rearwardly from said bolt, a guiding element reciprocable in said bore and revolvably connected with the rear end of said bolt, a lever having an inner end portion projecting into said slot and operably engaging said guiding element to reciprocate said element and said bolt while being unattached thereto, and an outer end portion extending outside said stock and forming a trigger guard and a handle, said lever being pivotally connected at an intermediate point to a link pivotally connected at its forward end to said stock, and a breech bolt rotating member vertically reciprocable in said slot and having at its upper end a recess to receive said arm when the bolt is in its forward position, the lower end of said member being pivotally connected with said link intermediate the pivotal connections of the latter with the stock and with said lever.

2,386,544

METHOD OF PRODUCING METALLIC BODIES

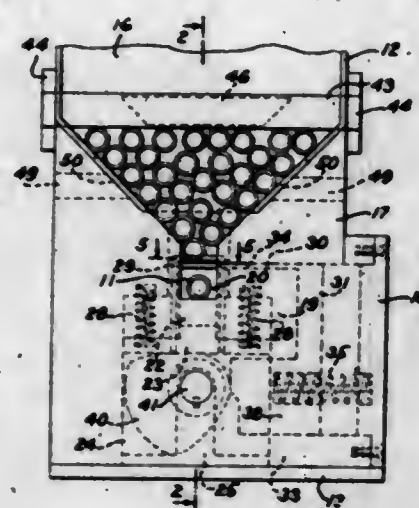
Henry L. Crowley, South Orange, N. J.
No Drawing. Application April 17, 1943,
Serial No. 483,482
12 Claims. (Cl. 75-22)

2. A method of producing lightweight metallic bodies which comprises preparing a mixture of metal, a resin and stearic acid in the proportions by weight of 10, 2 and 0.4 respectively, molding the mixture into the desired shape and sintering the mass to volatilize and carbonize the resin and plasticiser.

2,386,545

ARTICLE HANDLING APPARATUS

Adolph E. Drobish, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 6, 1942, Serial No. 446,155
5 Claims. (Cl. 214-6)

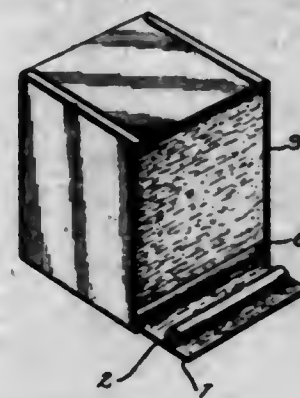


1. In an apparatus for stacking articles in a hopper, a reciprocable plunger for elevating an article to the hopper, movable means for retaining said elevated article in said hopper, said plunger and said movable retaining means having cam surfaces spaced at an angularity of 90° and in the path of a single cam, and a cam associated with said plunger and said retaining means having a single camming surface for successively operating said plunger and said retaining means.

2,386,546

CONTAINER FOR BLASTING CAPS

Albert R. Ely and Roscoe B. Smith, Wilmington, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application December 27, 1941, Serial No. 424,620
5 Claims. (Cl. 206-3)

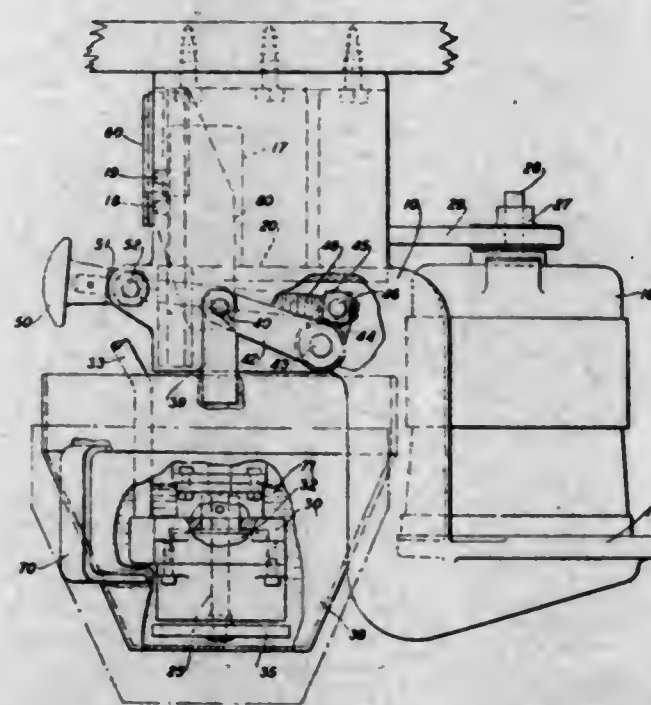


1. A package of fuse blasting caps comprising in combination a plurality of open-end fuse blasting caps having long longitudinal axes and stacked together with their longitudinal axes in parallel alignment; a rectangular box of flexible sheet material entirely enclosing the caps and having a bottom, sides, and a top portion, said top portion being adapted to provide a longitudinal opening with a long axis parallel to the longitudinal axes of said caps and of a size sufficient to permit lateral discharge therethrough of one of said caps, and one of said sides having a rectangular extension flap foldably extending over and closing said opening and adapted to be foldably opened; one of said sides which is perpendicular to the longitudinal axis of said opening being adapted to be foldably opened; and a substantially rigid supporting box-like structure enclosing the box, said structure having sides and a bottom integral therewith and a removable top, said top being disposed over and contiguous to the top of said box and adapted to be removed to expose said top portion and said extension flap of said box.

2,386,547

MATERIAL HANDLING APPARATUS

Waldemar C. Ewaldson, Millington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 15, 1943, Serial No. 506,455
6 Claims. (Cl. 259-1)



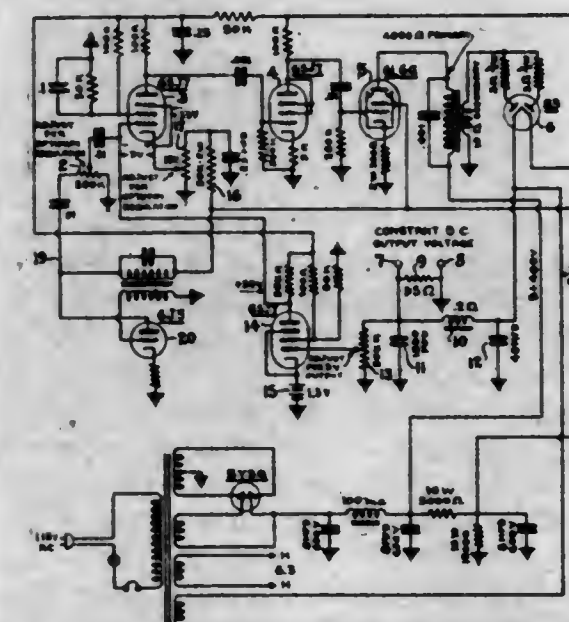
1. A material handling apparatus comprising a receptacle for a material, a unit for circulating

ing the material, a motor adapted to actuate the unit, a switch having starting and stopping members actuatable for starting and stopping the motor, a start switch member actuatable to start operation of the motor, a stop switch member actuatable to stop the motor, means to cause movement of the receptacle with the material between a circulating position and a non-circulating position relative to the unit, and an element movable with the receptacle to respectively render the start and stop switch members accessible for actuation only when the receptacle is in its circulating and non-circulating positions.

2,386,548

APPARATUS FOR PROVIDING REGULATED DIRECT CURRENT VOLTAGE

Henry Fogel, Brooklyn, N. Y., assignor to Emerson Radio and Phonograph Corporation, New York, N. Y., a corporation of New York
Application March 5, 1943, Serial No. 478,076
11 Claims. (Cl. 171-97)



11. A constant regulated direct current voltage supplier comprising a source of unregulated direct current, means for inverting said direct current to alternating current of a desired frequency, an oscillator operating at the desired frequency, means for amplifying the output of said oscillator in a first amplifier, means for driving said inverter by the output of said amplifier, means for amplifying the alternating current output of said inverter, means for rectifying said alternating current output to produce a direct current output voltage, a stable amplifier, means for amplifying a component of said direct current output voltage in said stable amplifier, and means for utilizing said amplified component to control the gain of said first amplifier, whereby said direct current output voltage is maintained constant.

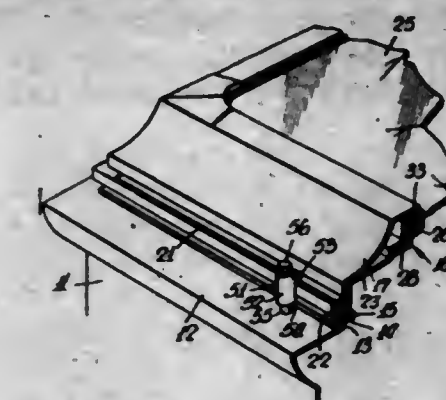
2,386,549

INNER SEAL FOR CASKETS

Floyd W. Hayes, Mountainville, N. Y., assignor to National Casket Company Incorporated, Long Island City, N. Y.
Application March 31, 1943, Serial No. 481,357
14 Claims. (Cl. 27-17)

1. An inner seal for a casket comprising outer moldings joined together to form a rectangular frame, a continuous inner depending flange on said frame, said flange being shaped in the arc of a circle at each of the frame corners, a center panel in said frame and extending inside said flange, a resilient material surrounding the edge portions of said panel and extending outwardly

a sufficient distance to be engaged by said flange, and clamping means engaging the resilient mate-

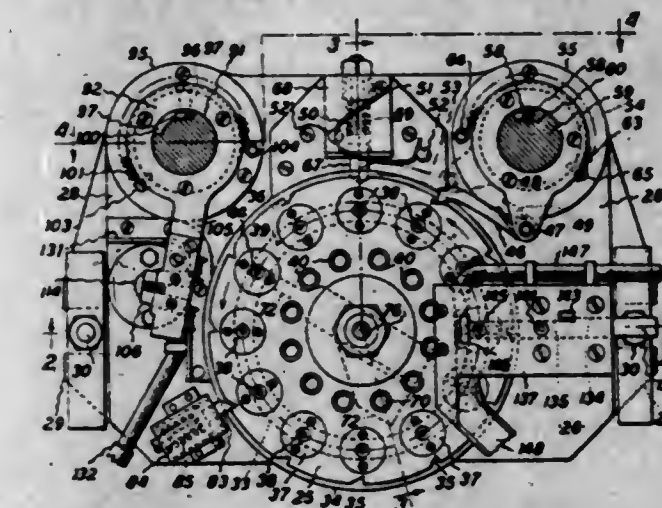


rial and pressing the panel toward said flange so as to cause sealing pressure to be applied to said material by said flange.

2,386,550

MECHANISM FOR FORMING TUBULAR RIVETS

Edward Frans Hesselman, Wahroonga, near Sydney, New South Wales, Australia, assignor to Hartford National Bank and Trust Company, as trustee
Application October 26, 1943, Serial No. 507,700
In Australia October 27, 1942
3 Claims. (Cl. 10-13)



1. In a machine for forming tubular rivets and the like and having a rotatable plate carrying a plurality of female die elements and a head adapted to be reciprocated perpendicularly to the plane of rotation of the plate and carrying a male punch, a mechanism actuated by said head to produce step-wise rotation of said plate comprising a support fixed to said head and provided with a cam groove, a ring-bracket slidably mounted on said post and restrained from axial movement, a member secured to said ring-bracket and extending into said cam groove, and a pawl member having one end rotatably secured to said ring-bracket and its other end adapted to selectively engage said notches.

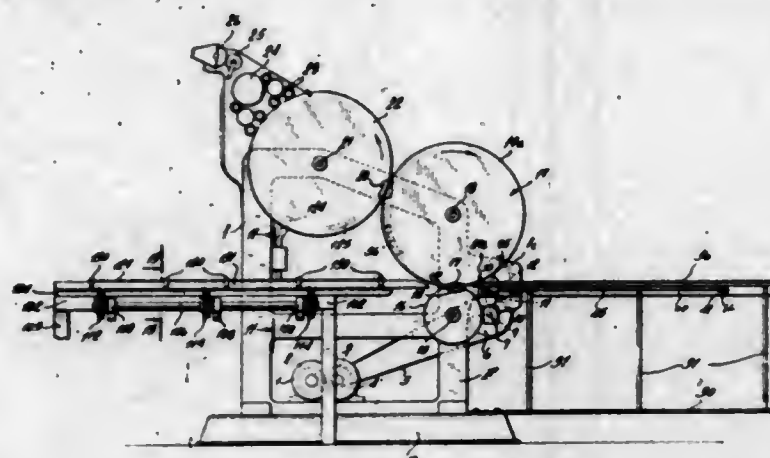
2,386,551

SYNCHRONIZED CONVEYER MECHANISM AND PRINTING PRESS

Frederick W. Hill, Rutherford, N. J., assignor to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware
Application October 30, 1940, Serial No. 363,539
19 Claims. (Cl. 101-232)

1. The combination with a printing press, of roller means for moving strip-like articles endwise and in succession along a path extending into and through the printing zone, and conveyer chain means for transporting said strip-like articles sideways and in succession from said path, said roller means and said conveyer chain means being operated in timed relation by cyclic mechanism of said printing press.

3. The combination with a printing press, of roller means for feeding articles directly into the printing zone, conveyer means for feeding the articles to said roller means, conveyer means for moving the articles from the path taken thereby



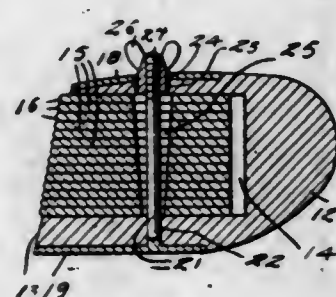
while travelling through the printing zone, and means for operating all of said means in timed relation, said last named means imparting intermittent step-by-step movement to both of said conveyer means.

2,386,552

VARI-POSITION GOLF CLUB

John W. Hill, Cromwell, Minn.

Application September 16, 1943; Serial No. 502,673
5 Claims. (Cl. 273-79)



1. A club of the class described having a head, laminations in the head providing an angular loft surface, and means operable to move said laminations relatively to each other and to the head to vary the angle of said surface.

2,386,553

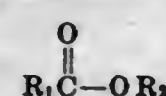
LUBRICANTS

William P. Hilliker, Chesterton, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application October 30, 1943,
Serial No. 508,374

8 Claims. (Cl. 252-36)

1. A lubricant comprising between about 5 and about 50% of a soda soap, between about 1 and about 15% of a lead soap, an organic halogen compound having a low vapor pressure and being resistant to thermal decomposition and hydrolysis at temperatures in the range of about 250 to 400° F. and pressures above about 20,000 pounds per square inch, said halogen compound being present in quantity sufficient to furnish between about 0.1 and about 5% of halogen, between about 2 and about 15% of a sulfurized ester, said ester having the general formula



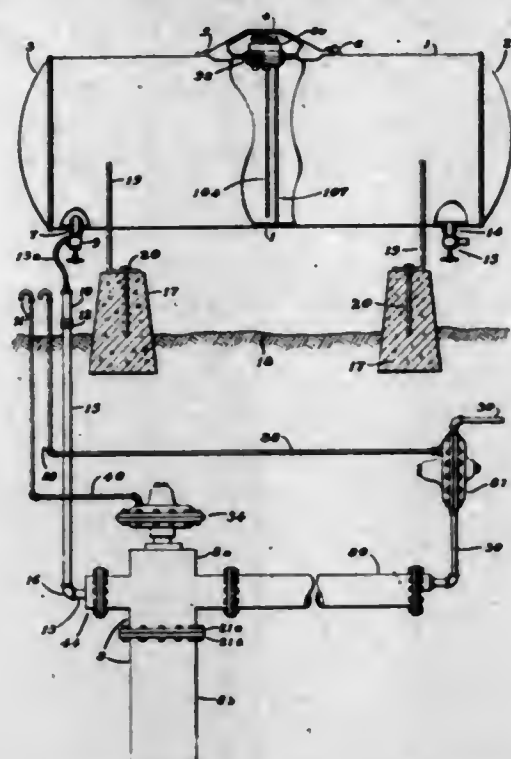
wherein R_1 and R_2 are aliphatic radicals at least one of which is unsaturated, and a hydrocarbon oil.

2,386,554

METHOD AND APPARATUS FOR STORING, ATOMIZING, AND GENERATING LIQUEFIED PETROLEUM GASES

John E. Holicer, Shreveport, La.

Application June 29, 1943; Serial No. 492,738
9 Claims. (Cl. 62-1)



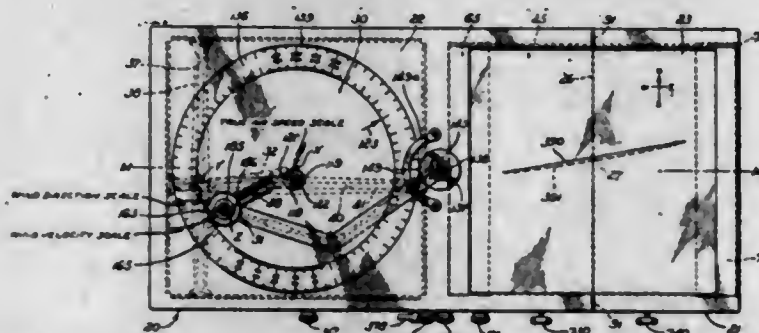
2. The method of preparing gas fuel from liquefied petroleum gas stored in a pressure vessel, said method comprising the removal therefrom of liquid fuel as needed; the passage of such liquid through an expansion valve to increase its volume and lessen its pressure; the delivery of expanded fuel into a chamber buried in the earth; the withdrawal of gas from such chamber; and the correlating of the introduction of fuel into the chamber and the withdrawal of fuel therefrom so as to cause substantially all of the fuel so introduced to flash into vapor and remain in such form while in the chamber and maintain the chamber substantially free from liquid.

2,386,555

DEAD RECKONING NAVIGATION DEVICE FOR AIRCRAFT

Howard R. Hughes, Houston, Tex., and Stanley A. Bell, Glendale, Calif., assignors to Hughes Tool Company, Houston, Tex., a corporation of Delaware

Application July 29, 1941; Serial No. 404,466
21 Claims. (Cl. 73-178)



1. A navigation device for aircraft having in combination: a map; a marker means; actuating means to cause relative movement between said map means and marker means to cause the marker means to follow a path across the map; a vector means comprising an arm adjustable in length to represent the ground speed of the aircraft along a selected course over terrain represented by the map; means for pivoting said arm about a fixed axis to represent the direction of said selected course; and means responsive to the

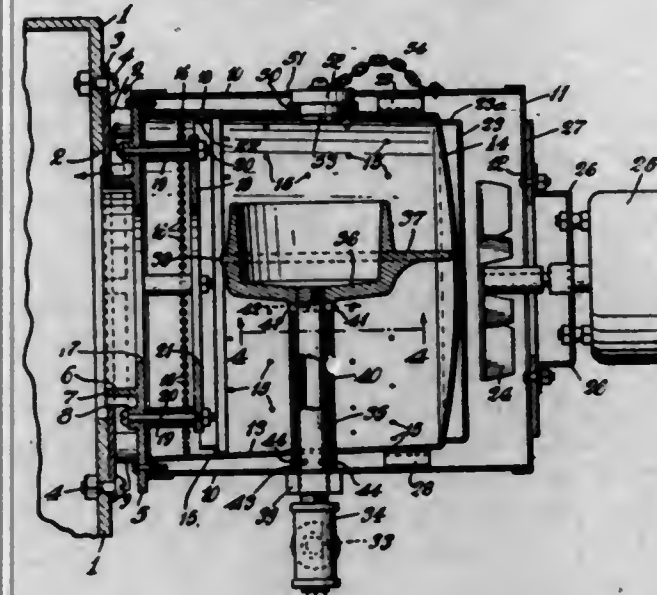
length and direction of said vector means to control relative movement between said map and marker means to cause the marker means to approximate instant positions of the aircraft on said map.

2,386,556

HORIZONTAL POT TYPE BURNER

Milton D. Huston, Chicago, Ill., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois

Application March 25, 1943; Serial No. 480,443
16 Claims. (Cl. 158-91)



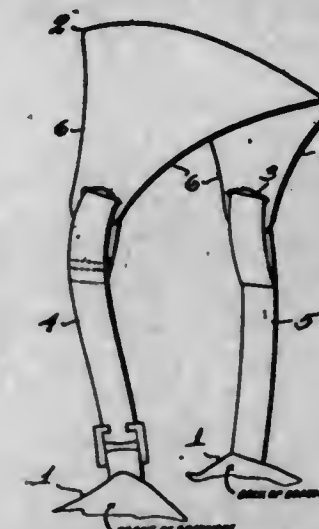
1. In a pot type horizontal burner, a burner pot having a circumferential wall with a plurality of air inlet apertures therein, a vaporizing cup located within said pot, means for directing a flow of liquid fuel to the interior of said cup and means for maintaining the heat of said cup, including a generally horizontal circumferential flange extending outwardly from the outside of the cup.

2,386,557

SHOULDER SUPPORT FOR BRASSIÈRES

Edla Johanson, White Plains, N. Y.

Application January 11, 1945; Serial No. 572,292
2 Claims. (Cl. 2-42)



2. A shoulder support for brassières comprising a saddle having a solid, unbroken, substantially diamond shaped body to overlie the shoulder of the wearer and contact therewith throughout substantially its entire area, with its transverse axis at the apex of the shoulder and the longitudinal axis conforming to the front-to-back curvature of the shoulder, whereby weight imposed on said saddle is distributed throughout the entire diamond shaped area thereof, and tapes secured at the opposite ends of the said diamond shaped body to extend and be secured to the front and back portions of the brassière, said body being of sufficient transverse stiffness to preclude gathering or folding thereof when subjected

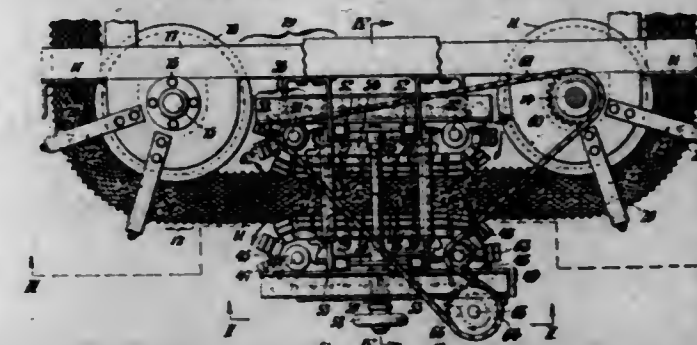
to weight imposed thereon by the brassière, and the lateral edges of said body being concave to substantially merge into the lateral edges of said tapes.

2,386,558

CONVEYER BELT DRIVE MECHANISM

Harold E. Kleintop, Parkesburg, Pa., assignor to Korb-Pettit Wire Fabrics & Iron Works, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application November 23, 1943; Serial No. 511,403
8 Claims. (Cl. 198-203)



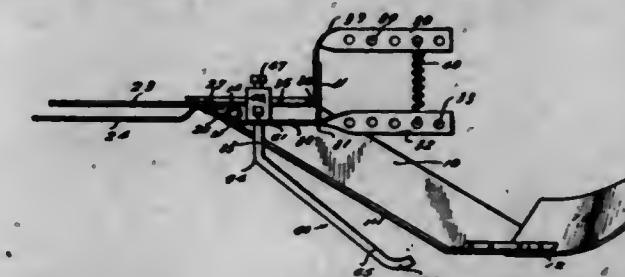
1. Drive mechanism for a relatively wide transversely-rigid flat horizontal conveyer apron, comprising a pair of caterpillar units with horizontally-arranged grooved endless supporting tractor belts running in lateral frictional pressure driving contact with the opposite side edges of the apron; and means for driving the tractor belts in unison so that their active runs move in the direction in which said apron is to be progressed.

2,386,559

PLOW

John Peter Laikam, Fowler, Calif.

Application September 14, 1944; Serial No. 554,071
1 Claim. (Cl. 97-137)



A plow attachment comprising a draw bar adapted to be attached to the plow beam of a leading plow, a vertically extending sleeve at the rear end of said draw bar, a bracket extending rearwardly from the sleeve, a rod mounted to rotate in said sleeve, a rearwardly extending bracket fixed to the rod beneath the sleeve, a retractile coil spring extending between the brackets yieldingly to urge them toward one another, a stop to limit the approach of the brackets toward one another, a plow blade carried by the lower end of the rod, a guard bar extending substantially parallel with the leading edge of the plow blade and a clamp supporting the guard bar for longitudinal adjustment on the second mentioned bracket whereby the horizontal distance between the guard bar and blade may be varied to suit varying conditions.

2,386,560

METHOD OF COOLING THE AIR IN UNDERGROUND MINE WORKINGS AND LIKE PLACES

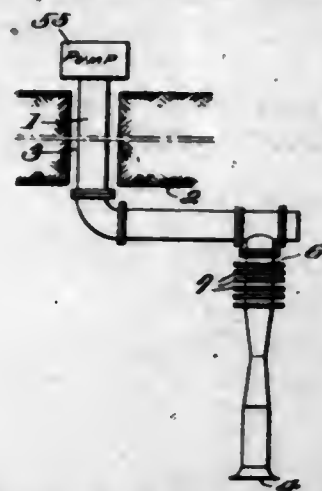
William Richard Flodden Lunt, Durban, Natal,

Union of South Africa

Application February 12, 1940; Serial No. 318,613
In the Union of South Africa February 17, 1939
12 Claims. (Cl. 62-170)

1. In localizing the cooling of air prevailing at selected places in the drives in a mine working

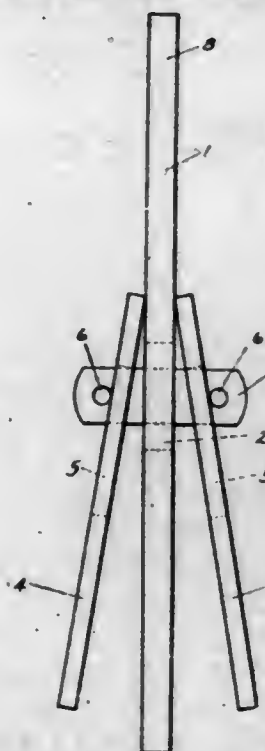
which working includes a main shaft and drives extending therefrom, the method which comprises, in combination, the steps of drawing a stream of exhaust air from the drives into a principal zone of lower pressure through branch zones located in said drives and discharging the air from said principal zone outside of the said working, transferring heat from and reducing the



temperature of the air prevailing in said selected places by causing the stream of exhaust air in each branch zone to undergo a controlled adiabatic expansion adjacent each selected place, and causing heat exchange, while said exhaust air is cooled as a result of such expansion, between the air prevailing in such selected place and the cooled and expanded exhaust air in the particular branch zone associated therewith.

2,386,561 RATTLE

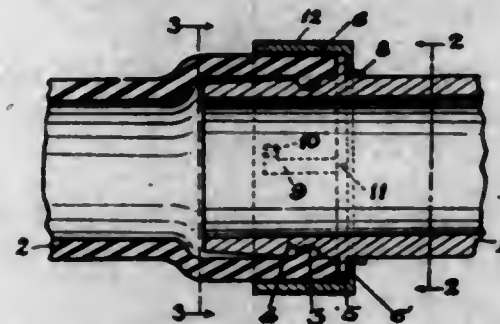
Oscar E. Magnuson, Davenport, Iowa
Application February 24, 1945, Serial No. 579,666
3 Claims. (Cl. 46-191)



1. An instrument of the type indicated comprising an elongated flat body having a longitudinal slot therein spaced from the ends of the body, a short, flat crossbar mounted in said slot, and a medium length flat bar having a slot therein mounted on the short crossbar, said short crossbar having transversely extending pins spaced from each other a distance greater than the combined thicknesses of the body and medium length bar and of a length sufficient to prevent disconnection of the parts during use, the parts being free of connection other than by the passage of the short crossbar there-through and being so constructed and arranged as to have great freedom of movement when sharply moved transversely to the plane of the body member, thus allowing the long and medium length bars to engage each other flatwise.

2,386,562 HOSE COUPLING

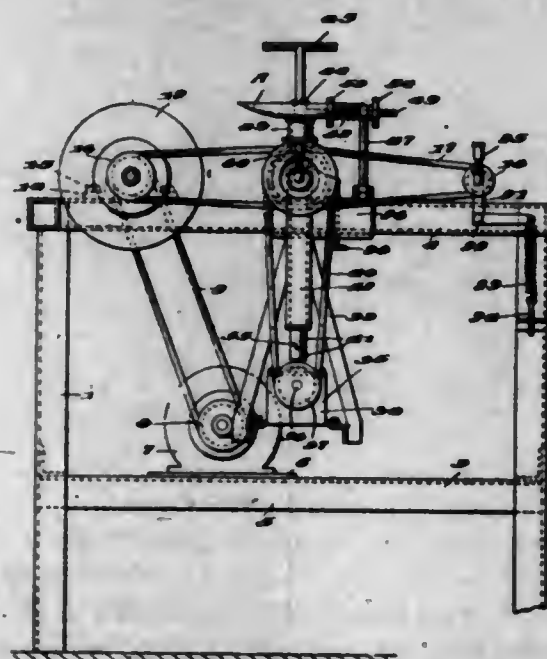
Frank D. Mahoney, San Francisco, Calif.
Application May 22, 1944, Serial No. 536,837
2 Claims. (Cl. 285-180)



1. In a hose coupling, a tubular member having a tapered end portion, a flexible tube having an end portion adapted to fit on the tapered end portion of the tubular member, an annular protuberance on the inside surface of the end portion of the flexible tube, an annular groove on the outside surface of the end portion of the tubular member within which the protuberance is seated when the tubular member and the flexible tube are in connected relationship, a ring clamp slidably mounted on the tubular member and arranged to extend around the end portion of the flexible tube to prevent the expansion thereof and the unseating of the protuberance from the groove, the said ring clamp having an inwardly protruding annular flange at one end, projecting means on the tubular member and slotted means on the annular flange of the ring clamp through which the projecting means is adapted to pass when the ring clamp is moved to a clamping position on the end portion of the flexible tube, the said projecting means forming a stop member for normally preventing the displacement of the ring clamp from a clamping position after said clamp is rotated to bring the slotted means out of registry with the projecting means.

2,386,563 PLOW DISK GRINDER

Hubert A. Moore, Dallas, Tex.
Application June 8, 1944, Serial No. 538,908
10 Claims. (Cl. 51-106)



1. In a disk grinder, a framework, a grinding wheel mounted thereon, means for rotating said grinding wheel, a pendulum having a lower freely swingable end, means for pivotally mounting said pendulum on said framework, a disk holder mounted on said pendulum, means for adjustably securing said pendulum different distances from said grinding wheel, and means driven from said grinding wheel for rotating said disk holder, said

last-named means including a belt driven by said grinding wheel, and a driven pulley on said pendulum in driving relation with said belt, said driven pulley being mounted on said means for pivotally mounting said pendulum, said pendulum extending beneath said last named means.

2,386,564 OIL AND GAS SEPARATOR

William Paul Munk, San Francisco, Calif.
Application June 9, 1941, Serial No. 397,272
10 Claims. (Cl. 103-203)



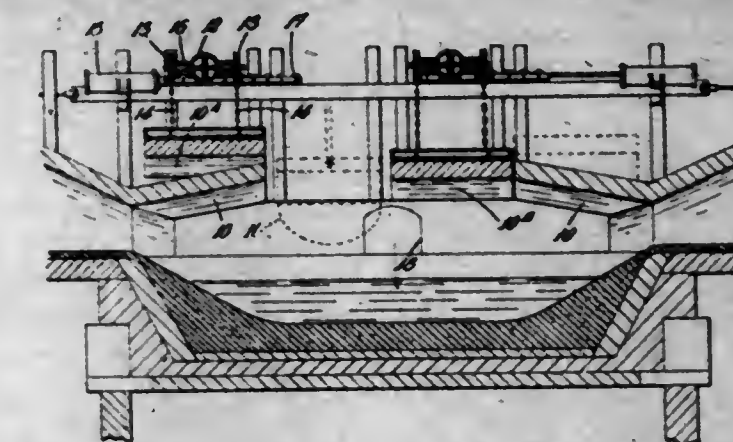
1. A deep well oil and gas separator, comprising: a separator barrel; means providing a wall in said separator barrel and capable of cooperating with said separator barrel to form a down-pass space for separation of gas from oil; means in said separator barrel and adapted to form an up-pass space for pump fluid; a baffle in said down-pass space and adapted to divide said down-pass space into upper and lower sections; means providing a passage placing the bottom of the upper section of said down-pass space in communication with the top of the lower section of said down-pass space; openings in said separator barrel above and below said baffle, said openings placing the upper and the lower sections of said down-pass space in communication with the space exterior to said separator barrel; and the improvement which comprises having said passage adapted to direct fluid from the upper section of said down-pass space downwardly onto said wall in the upper portion of the lower section of said down-pass space so as to enable flow of such fluid downwardly on said wall in the upper portion of the lower section of said down-pass space and so as to substantially avoid flow of such fluid downwardly on the inner wall of said separator barrel between said baffle and the lowermost of said openings in said separator barrel.

2,386,565 OPEN HEARTH FURNACE

Raoul Nissim, London, England
Application May 22, 1943, Serial No. 488,071
In Great Britain May 16, 1942
8 Claims. (Cl. 266-27)

1. An open hearth furnace including a hearth, a roof thereon having at least one roof section thereof formed separately from the hearth and from the remainder of the roof, said section being arched and formed in two parts which are hinged together along a longitudinal line in the neighborhood of the crown of the furnace and along each of their longitudinal edges, means being provided for transferring at least one of said sec-

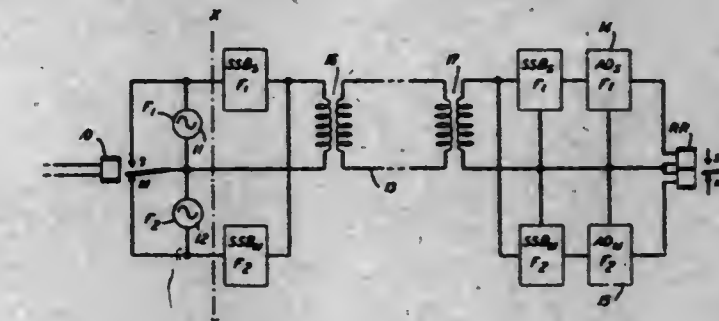
tions longitudinally of the furnace from its normal or closed position so as to lie above another



portion of the furnace roof thus leaving an opening in the roof through which the furnace may be charged from above.

2,386,566 TELEGRAPH SIGNALING SYSTEM

Harry Nyquist, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 4, 1943, Serial No. 477,986
8 Claims. (Cl. 178-66)



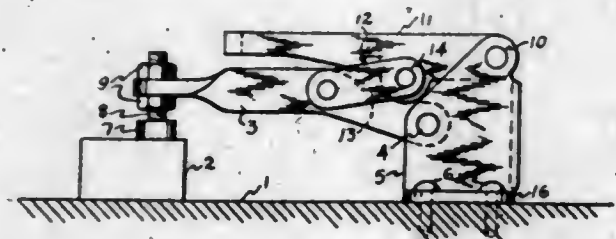
2. In a carrier telegraph system employing marking and spacing signals, a transmission line, means at the transmitting end of said line to modify each of two carrier currents of different frequencies with one of said signals for producing different carrier current impulses having as frequency components the individual carrier current frequencies and upper and lower side-bands of frequencies of each thereof, a filter for each of the different signal impulses at both the transmitting and receiving ends of said line for passing current impulses whose frequencies comprise one carrier current frequency and but one of the two side-bands of frequencies associated therewith whereby marking to spacing and spacing to marking bias due to the quadrature components in the respective filtered signal current impulses is produced, and means at the receiving terminal to detect and receive differentially the filtered individual signal current impulses such that the bias due to the quadrature component of each filtered signal current impulse substantially cancels the bias due to the quadrature component of the other filtered signal current impulse.

2,386,567 TOGGLE CLAMPING DEVICE

John Olson, Detroit, Mich.
Application May 22, 1942, Serial No. 444,117
2 Claims. (Cl. 144-290)

1. A toggle clamping device comprising a bracket having spaced walls, a clamping arm having an end pivoted on said bracket between said walls, an actuating lever for said arm having an end pivoted on said bracket between said walls, the pivots of said arm and lever being predeterminedly spaced with the lever pivot

more remote from the base of said bracket than the arm pivot, and a pair of links disposed at opposite sides of and pivotally connected at their ends to the arm and lever and forming an actuating connection from the lever to the arm,



the lever being movable into substantial parallelism with the arm to effect clamping, and the links being concurrently movable to establish their lever-engaging ends between their arm-engaging ends and the bracket-engaging pivotal end of the lever.

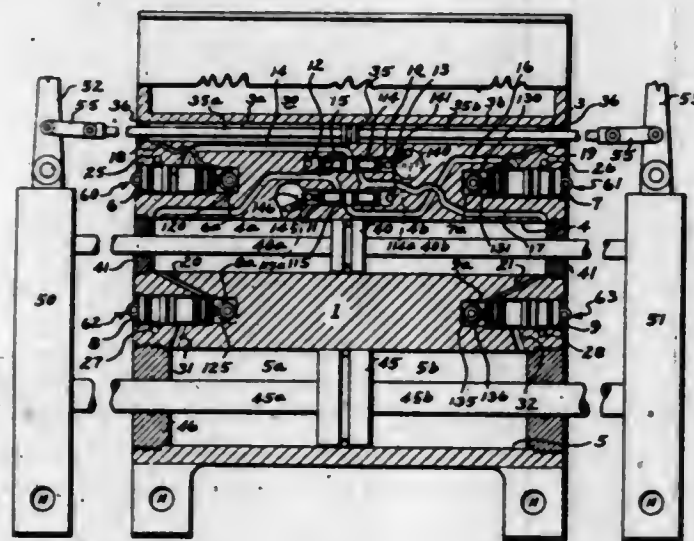
2,386,568

HYDRAULIC PRESSURE-APPLYING DEVICE

Herbert E. Page, Pasadena, Calif.

Application March 6, 1944, Serial No. 525,259

3 Claims. (Cl. 100-71)



1. In a hydraulic pressure-generating device, the combination of a work-engaging body presenting a work cylinder, a pair of work-engaging members disposed respectively at opposite sides of the body, and hydraulic means for causing relative movement as between the body and the work-engaging members whereby to act upon work positioned therebetween, said means including a work position reciprocally disposed in the work cylinder, a pair of connecting rods projecting from opposite sides of the body, said rods being connected at one end to the work piston and connected at their other ends to the respective work-engaging members, a pressure-generating cylinder presented by the body parallel to the work cylinder, a pumping piston reciprocally mounted in the pressure-generating cylinder and forming therewith opposed pressure chambers to which the respective opposite faces of the pumping piston are exposed, ports providing communication between the pressure chambers and the work cylinder, valve means controlling said ports and being operable selectively to communicate pressure to the work cylinder at either side of the work piston therein, a check valve in each of said ports and a spring normally urging each of the check valves seated away from the work cylinder, each of said springs being yieldable only to a predetermined pressure whereby selectively to trap fluid in either of the pressure chambers until such predetermined pressure is generated therein.

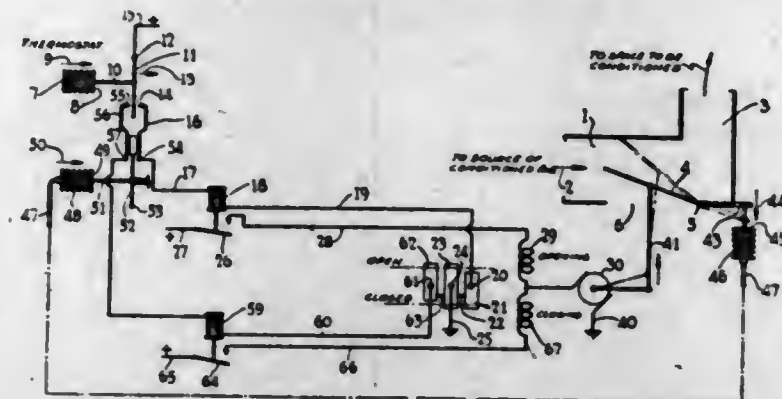
2,386,569

AIR CONDITIONING

Robert J. Parsons, Schenectady, N. Y., assignor to Consolidated Car Heating Company, Inc., Albany, N. Y., a corporation of New York

Application December 14, 1943, Serial No. 514,273

1 Claim. (Cl. 236-78)



A heating and ventilating system, including in combination: a duct adapted to communicate with a source of heated air at one point and with a space to be heated at another and provided intermediate thereof with an exit for heated air; a movable damper adapted to open and close said exit and to free and obstruct said duct; an electric motor connected to said damper for opening and closing said damper, said motor provided with an armature and with an opening field winding and a closing field winding whereby the armature may be rotated either for opening or closing the damper; a thermostat controlled by the temperature of the space to be heated including a member movable a predetermined amount in a first direction on an increase of temperature and a predetermined amount in an opposite second direction upon a decrease of temperature; an opening pivoted member and a closing pivoted member between which the said movable member is positioned whereby when the movable member moves in one direction it contacts the opening pivoted member and when moved in the opposite direction it contacts the closing pivoted member; an hydraulic motor adapted to operate a member in opposite directions; a member connected to said hydraulic motor and positioned intermediate said pivoted opening and closing members and adapted when moved against either to move it; a second hydraulic motor; connections between said second hydraulic motor and said damper whereby when the damper moves toward opening position compression takes place in said second hydraulic motor and when said damper moves to closed position expansion takes place in said hydraulic motor; a duct connecting the hydraulic motors; an opening relay and a closing relay each including an armature adapted to close a circuit when the relay is energized; a circuit controller connected to and operating in synchronism with the electric motor; a source of potential; a normal open conducting path including the opening field of the electric motor and the armature of the opening relay; a second normal open conducting path including the closing field of the electric motor and the armature of the closing relay, each said paths including the source of potential whereby when either is closed the electric motor operates accordingly; a third normally open conducting path including the opening relay the movable member attached to the thermostat the opening pivoted member, the circuit controller, and the source of potential; a fourth normally open conducting path including the closing relay the movable member attached to the thermostat, the closing pivoted member, the circuit controller and the source of potential whereby upon a change in

temperature in the space to be heated the damper will be moved toward either open or closed position a predetermined amount and then the controlling circuit will be broken but be in condition to be again closed until fully open or fully closed position is reached whereupon the motor circuit for continuing motion in the same direction as that last caused will be opened but the circuit for moving the damper in the opposite direction will be in condition to be closed.

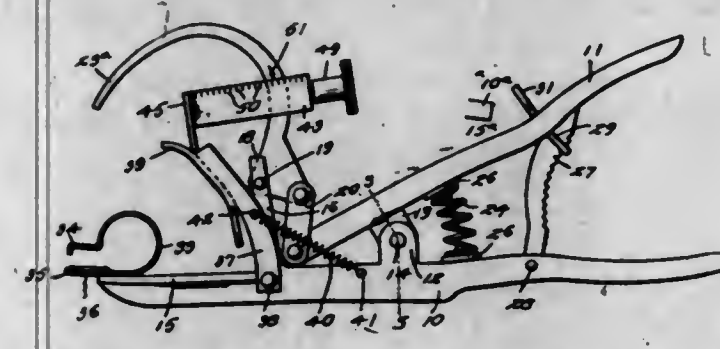
2,386,570

CLAMP APPLYING TOOL

Samuel Isaac Petrie, Mount Sidney, Va.

Application November 18, 1943, Serial No. 510,807

6 Claims. (Cl. 81-3)



1. In a tool for attaching a clamp to an object, wherein the clamp is of strap-like circular form with normally spaced apertured arms carried by the clamp for the attachment of holding means, said tool comprising a rigid jaw member and a cooperating jaw member pivoted to the rigid jaw member and pivotally connected handles attached to the jaw members adapted to move the pivoted jaw member toward the rigid jaw member and into engagement with the adjacent clamp arm for juxtaposing the clamp arms for attachment of the holding means, a shoe plate pivotally interposed between said jaws, means adjustably carried by the pivoted jaw member and operatively engaged with the shoe plate for moving with the latter into engagement with the clamp in spaced relation to the clamp arms for holding the clamp rigidly supported in the jaw members.

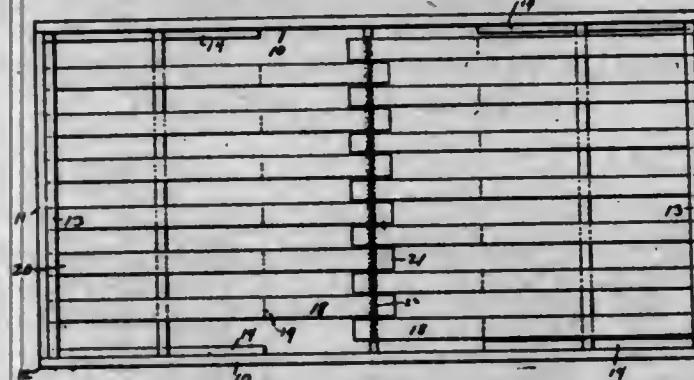
2,386,571

CANTILEVER SPRING

James W. Pettit, Portland, Oreg.

Application October 24, 1942, Serial No. 463,203

1 Claim. (Cl. 5-236)



In the cantilever spring unit, the combination of a rectangular frame having fulcrum bars placed transversely across same near the ends thereof, each of said fulcrum bars having resting thereon a plurality of inclined spring leaves, one end of each of which is supported by the end of the frame and the other end of which is unsupported and extends beyond the center of the spring frame, the spring leaves from the two sets of fulcrum bars alternating, inclined cleats on said frame substantially parallel with said leaves and supporting said bars, said bars being adjustable along said leaves, and flexible means for unit-

ing the overlapping ends of said leaves, and tie strings between said overlapping leaf ends and said frame adapted to impose an initial tension on said leaves.

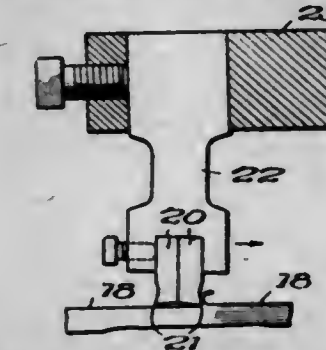
2,386,572

METALWORKING MACHINE

Reginald J. S. Pigott, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application February 25, 1942, Serial No. 432,336

1 Claim. (Cl. 90-53)



In a metal working machine adapted to cut a blank in both directions of reciprocation of a cutter, a cutter holder comprising a resiliently yieldable shank portion secured at one end to a reciprocable tool support and having means at its opposite end for rigidly mounting thereon a pair of of similarly profiled cutting edges facing outwardly away from each other, the resiliency of said shank portion being such that said outwardly facing cutting edges alternately engage the work in the two directions of reciprocatory movement, and in each direction the trailing cutter is relieved of detrimental pressure on the work by reason of the bending of said shank under the resistance of the work to the advancing cutter.

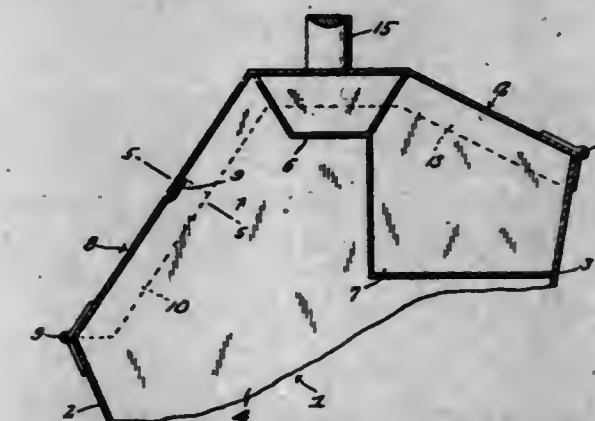
2,386,573

TOOLBOX

Albert T. Randall, Seattle, Wash.

Application September 11, 1943, Serial No. 502,004

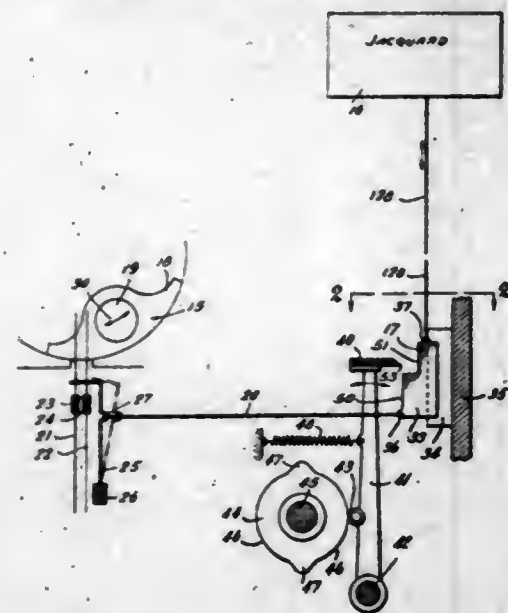
1 Claim. (Cl. 206-16)



A tool box comprising a horizontally elongated body having bottom and end walls and upwardly diverging front and rear walls, the rear and end walls extending higher than the front wall, a fixed shallow front and a fixed deep rear tray mounted longitudinally in the upper portion of the body and spaced rearwardly from and above the front wall, the rear tray being larger than and extending below the front tray, a cover section of angular form in cross-section hinged at its rear edge to the upper edge of the rear wall and resting on the upper edges of the front tray and the top and upper front edges of the end walls when in a closed position, and a second cover section hinged at its lower edge to the upper edge of the front wall and engaging the front edges of the end walls between the front wall and the first-named cover section when in closed position, the space within the body in front of and below the trays being unobstructed.

2,386,574

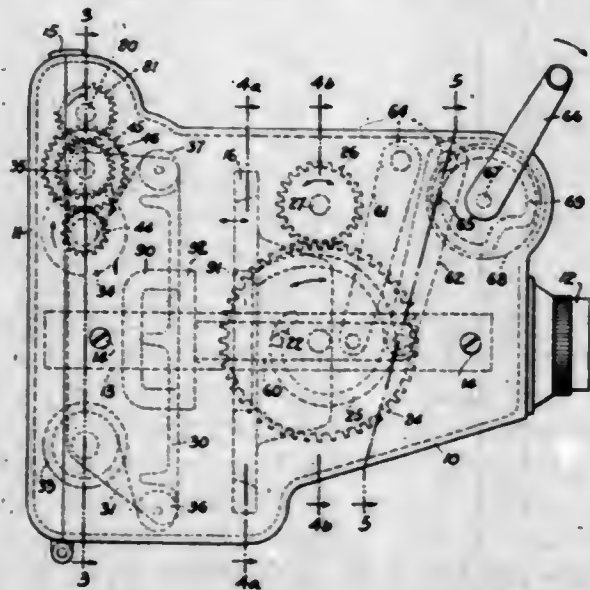
JACQUARD COMPENSATING MEANS
Jonas Robinson, Clarke Summit, Pa.
Application June 26, 1942, Serial No. 448,527
10 Claims. (Cl. 87-14)



1. In combination with a textile machine of the type having a plurality of thread-actuating elements and a Jacquard having pulling elements for operating said thread-actuating elements, and elongated connecting elements having ends attached to said pulling elements; a device for compensating for the expansion and contraction of said connecting elements, said device comprising other connecting elements connected to said thread-actuating elements and means connecting the first-mentioned connecting elements with the second-mentioned connecting elements and substituting a pulling movement transmitted by a pulling element to a first-mentioned connecting element by a smaller pulling movement transmitted by a second-mentioned connecting element to a thread-actuating element, and by another movement which is not transmitted to the second-mentioned connecting element and which may compensate for an extension or contraction of the first-mentioned connecting elements.

2,386,575
CAMERA

Alfred Simmon, Jackson Heights, and Louis L. Weisglass, New York, N. Y.; said Weisglass assignor to said Simmon
Application March 20, 1944, Serial No. 527,266
15 Claims. (Cl. 95-31)



1. In a film camera, the combination within a rigid camera housing, of a movable aperture plate and a movable film carrier including film spools, a film winding drive in cooperation with said carrier including a train of gears and at least one incomplete gear in which a portion of its teeth has been removed, means operable from the exterior of said housing to shift said plate for focusing purposes, cam means operable from the exterior of said housing to shift said carrier, said cam means comprising at least one wheel with a groove having a relatively long circular part and a relatively short angular cam abutment, the radial angle of said abutment being smaller than the radial angle of that portion of said gear in which the teeth have been removed, and a cam follower engaging said groove, the relation between the cam abutment and said portion of said gear being such that the abutment has passed the cam follower before the teeth of said incomplete gear have come in contact with the teeth of a complete cooperating gear of said train.

terior of said housing to shift said plate for focusing purposes, cam means operable from the exterior of said housing to shift said carrier, said cam means comprising at least one wheel with a groove having a relatively long circular part and a relatively short angular cam abutment, the radial angle of said abutment being smaller than the radial angle of that portion of said gear in which the teeth have been removed, and a cam follower engaging said groove, the relation between the cam abutment and said portion of said gear being such that the abutment has passed the cam follower before the teeth of said incomplete gear have come in contact with the teeth of a complete cooperating gear of said train.

2,386,576

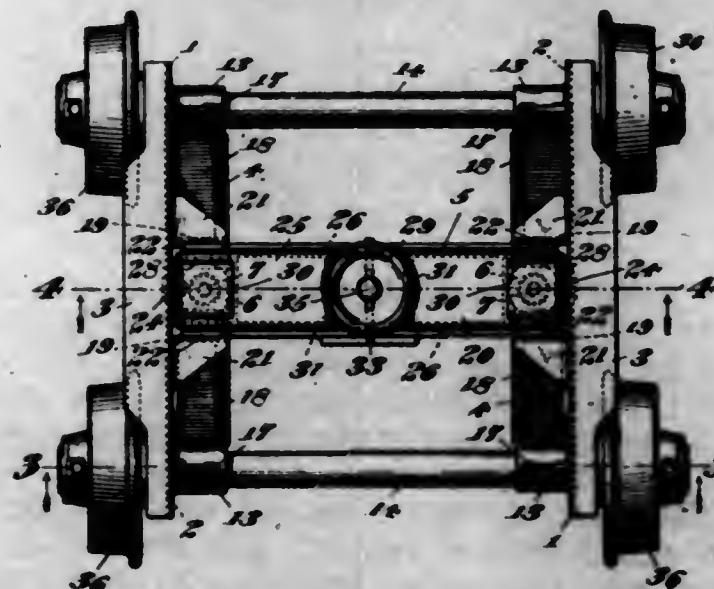
MUSIC HOLDER FOR CLARINET AND BAND INSTRUMENTS
Nils Solberg, Duluth, Minn.
Application September 2, 1943, Serial No. 500,961
5 Claims. (Cl. 45-82)



2. In a device of the character described, a relatively long transversely arcuate saddle adapted to position against and receive the side of a musical instrument such as a clarinet, means at each end of the saddle which encircle the instrument to secure the saddle thereto, a substantially circular thumb hook upon the side of the saddle opposite from said means and comprising two portions, one of said portions being attached to the saddle and held thereon against movement longitudinally thereof, the other of said portions having an extension positioned against the saddle, spaced guides carried by the saddle between which said extension is slidably held, a fixed member upon the saddle spaced from said extension, and a spring attached at one end to said fixed member and coupled at its other end with said extension and normally urging the said other portion of the substantially circular member toward the said fixed one portion thereof.

2,386,577

CAR TRUCK
Walter H. Statler and Louis G. Miller, Bethlehem, Pa., assignors to Bethlehem Steel Company, a corporation of Pennsylvania
Application May 12, 1943, Serial No. 486,627
16 Claims. (Cl. 105-197)

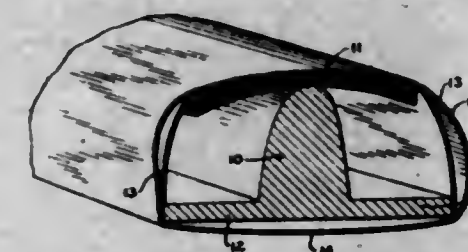


1. A four wheel car truck having a longitudinally extending side frame member of Z-shape at each side of the truck having their flanges

parallel to each other throughout their length, front and rear axles movably mounted and adapted to form the end frame members of the truck connecting the ends of said Z-shaped side frames with the ends of said axles extending beyond the outer side of the Z-shaped side frames, supporting wheels independently rotatable on the extending ends of said axles, and roller bearings interposed between said wheels and axles.

2,386,578

APPARATUS FOR FORMING LAMINATED MOLDED STRUCTURES
Eugene L. Vidal, Washington, D. C., assignor to Vidal Corporation, a corporation of Delaware
Original application August 14, 1941, Serial No. 406,756. Divided and this application October 12, 1942, Serial No. 461,656
3 Claims. (Cl. 144-281)



1. The combination with a form on which laminations of adhesively treated material are adapted to be superposed of a rigid support for said form, said support extending laterally beyond the sides of said form, a flexible elastic sheet secured to said support, said sheet extending in substantially taut fashion from the edges of said support over said form and the material thereon, a flexible substantially impervious bag, said form and the parts assembled therewith being contained in said bag, and a pressure tank adapted to apply a fluid pressure to said bag to stretch said flexible sheet into engagement with said laminations and thereby press the laminations to the shape of the form.

2,386,579

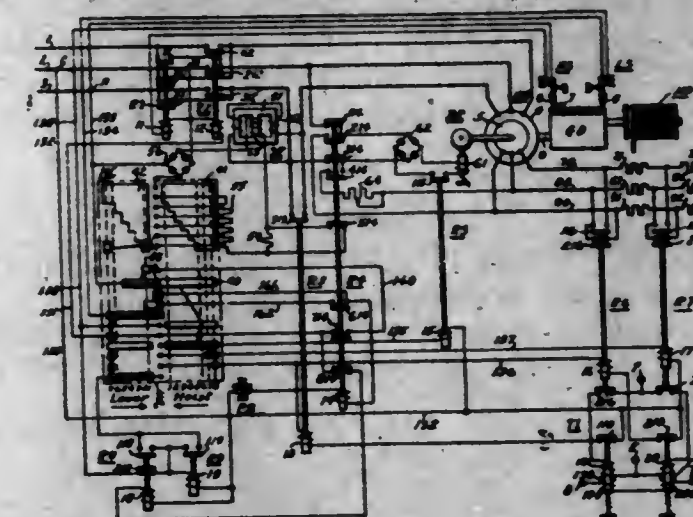
GRADING MACHINE
Delbert Wheeler, Sioux Falls, S. Dak.
Application July 27, 1942, Serial No. 452,397
2 Claims. (Cl. 209-314)



1. In a grading machine, in combination, a pair of spaced stationary frame members, a pair of spaced horizontal shafts extending transversely of and journaled on said frame members, said shafts being arranged in different horizontal planes, each of said shafts having outer eccentrics near the ends thereof and a single inner eccentric midway between the outer eccentrics, the inner eccentrics of said shafts being displaced 180° relative to the outer eccentrics, a screening device including an inclined box having a pair of transversely aligned journal boxes fixed on the bottom thereof near each end of the same, each pair of journal boxes receiving the outer eccentrics of one of said shafts, an elongated counterweight bar having spaced bearings fixed thereon and receiving the intermediate eccentrics of said shafts, and means for rotatably driving said shafts simultaneously at the same rate of speed and in the same direction.

2,386,580

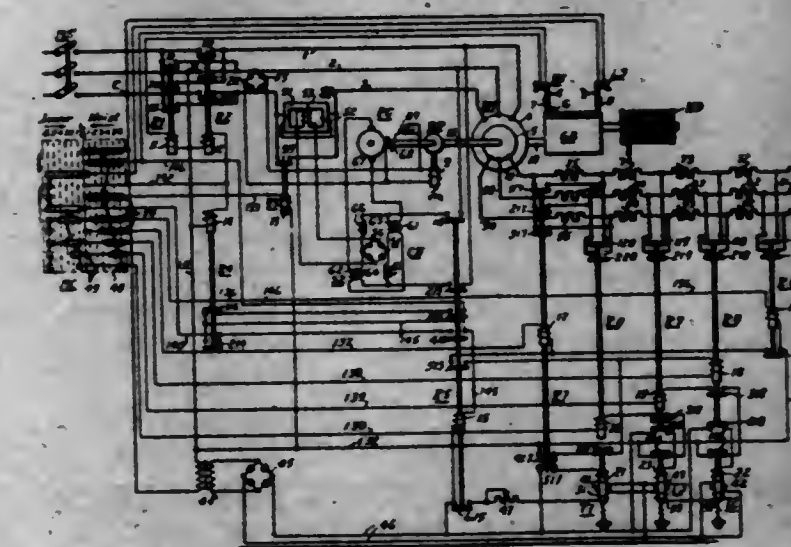
ALTERNATING CURRENT HOIST CONTROL
William R. Wickerham, Swissvale, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 8, 1943, Serial No. 513,351
18 Claims. (Cl. 172-152)



6. A hoist control system comprising an alternating-current hoist motor, three-phase energizing circuit means connected to said motor for energizing it for hoisting and lowering operations, a saturable reactor having a main coil series connected to said motor in one phase of said circuit means and a control winding for varying the reactance of said main coil, an energizing circuit connected to said control coil and containing a stepped resistance device for varying the energization of said control coil to pre-magnetize said reactor between a minimum and maximum magnetization, and a controller having a plurality of selective control positions and containing contact means connected with said circuit means to control the latter and further contact means connected with said device for controlling its resistance stepwise in accordance with the selected controller position so that the reactance of said reactor is stepwise decreased when changing the position of said controller towards high hoisting speed and increased when changing towards high lowering speeds.

2,386,581

HOIST CONTROL SYSTEM
William R. Wickerham, Swissvale, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 8, 1943, Serial No. 513,352
23 Claims. (Cl. 172-152)

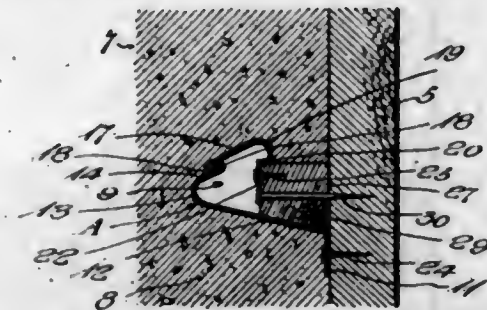


1. A hoist control system comprising an alternating-current hoist motor, selective three-phase circuit means for energizing said motor to effect hoisting and lowering operations, a saturable reactor having an alternating-current winding

connected in one phase of said circuit means and a control winding for varying the reactance of said alternating-current winding, means for controlling said reactor to operate at low-speed overhauling lowering operation of said motor, and speed responsive regulating means connected to said control winding for increasing said reactance at decreasing lowering speeds so as to provide for approximate single-phase energization at low lowering speeds and for substantially balanced three-phase energization at high lowering speeds.

2,386,582

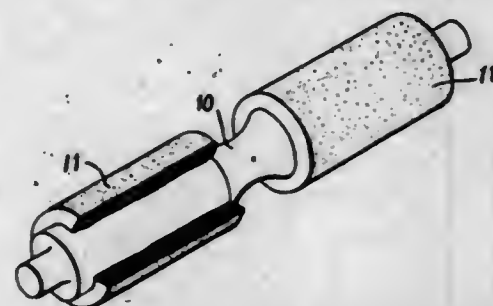
MASONRY CREVICE FORMING TEMPLATE
Clarence M. Woodward, Washington, D. C.
Application June 1, 1944, Serial No. 538,263
6 Claims. (Cl. 25-131)



1. A template adapted to form a crevice in a masonry structure comprising interconnected means defining the shape of the crevice, said interconnected means including a base member, an upper member having one edge detachably interlocked with the adjacent edge of the base member, and a spacer member detachably connected to said upper member, said members adapted to be disconnected at said points of attachment and laterally removed from said crevice.

2,386,583

SPINNING ROLL COVER
Henry M. Bacon, Dayton, Ohio, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application March 8, 1943, Serial No. 478,357
13 Claims. (Cl. 19-143)



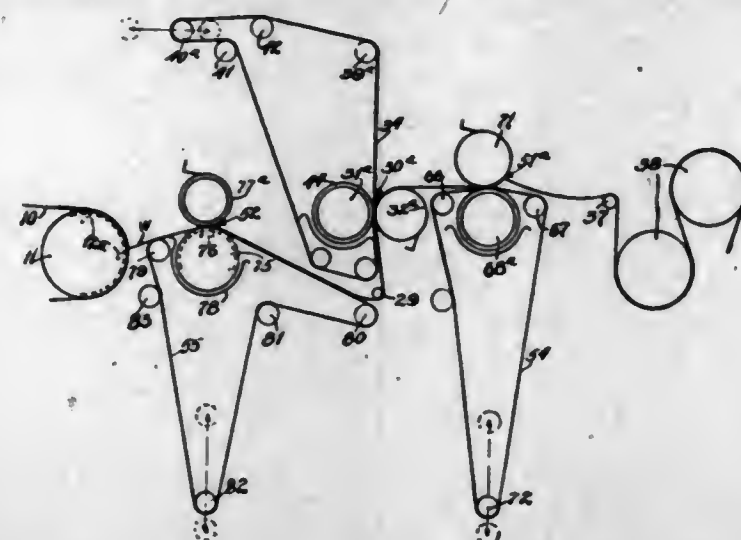
1. As a new article of manufacture, a textile machine unit adapted for drafting fibers having a vulcanized fiber contacting surface layer of pitted structure consisting of a resilient composition comprising acrylic nitrile and butadiene copolymer, and fine particles of granular rubber substance of dissimilar relative hardness homogeneously dispersed therein.

2,386,584

REVERSE PRESS SECTION FOR PAPER-MAKING MACHINES
Earl E. Berry, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application December 2, 1940, Serial No. 368,116
2 Claims. (Cl. 92-49)

2. A reverse press section for location between the forming wire and drier section of a paper

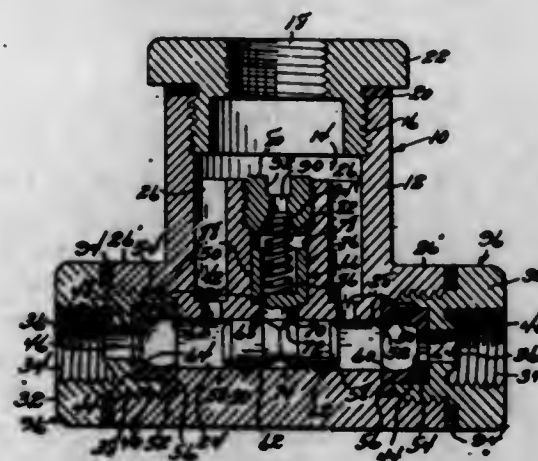
making machine comprising a pair of cooperating press rolls defining a pressure nip therebetween, a looped felt trained through said nip having a first run in advance of said nip and a second run beyond said nip, said felt runs being arranged for receiving thereon the wire side of a web of paper formed on the forming wire, said second run of the felt being downwardly inclined relative to the first run, a guide roll at a level above the second run of the felt for receiving the paper thereover as it passes from the press rolls to said second run, a pair of horizontally aligned press rolls adjacent said second run of the felt in overlapping relation to said second run, said pair of horizontally aligned rolls defining an



upward passage vertical nip in closely spaced relation above said second run of the felt, a single second guide roll immediately adjacent said second run of the felt between said vertical nip and the second run of the felt for receiving therearound the non-wire side of a paper web from said second run to change the direction of travel of the web in a single turn for directing the web upwardly into the vertical nip, and a second felt trained through said vertical nip on the non-wire side of the web of paper to cover said non-wire side of the web as it passes through the vertical nip, whereby the web of paper only has a very short unsupported draw as it passes around the single second guide roll from the second run of the first mentioned felt to the second felt.

2,386,585

PRESSURE ACTUATED SHUTOFF
Rudolph H. Blank, Treadwell, N. Y.
Application December 4, 1943, Serial No. 512,919
13 Claims. (Cl. 137-153)



1. In a fluid pressure system wherein branch circuits are connected with a common source of fluid pressure, a valve comprising a body having an inlet for connection with said common source and outlets for connection with the branch circuits, said body having an inlet chamber and a bore communicating with both outlets, said body having ports placing said chamber in communi-

cation with said bore, a valve element slidable in said bore and normally positioned between said ports, said valve element having a V-shaped groove, a resiliently biased regulator in and acted upon by source of fluid supply and provided with a tapered end engaging in said groove to yieldingly resist movement of said valve element within predetermined limits, and seats respectively engageable by said valve element when the latter is shifted beyond the restraining limits of said regulator in response to an unbalanced pressure condition in said bore for cutting off communication between the low pressure circuit and said chamber.

2,386,586

MANUFACTURE OF ACRYLONITRILES
Joseph H. Brant and Rudolph Leonard Hasche, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 24, 1940, Serial No. 320,638
7 Claims. (Cl. 260-464)

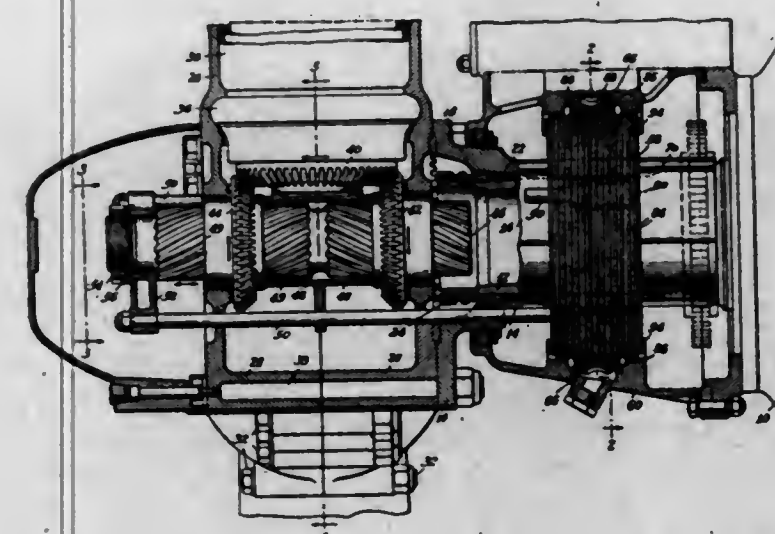
1. A process for producing a vinyl cyanide which comprises passing the vapors of formaldehyde and an organic cyanide of the general formula



wherein R is a radical selected from the group consisting of hydrogen, alkyl and aryl, into contact with a dehydration catalyst at a temperature between 175° C. and 400° C.

2,386,587

VARIABLE PITCH PROPELLER
Emil A. Briner, East Orange, N. J., assignor to Aero Engineering Corporation, a corporation of New Jersey
Application March 23, 1944, Serial No. 527,748
4 Claims. (Cl. 170-163)

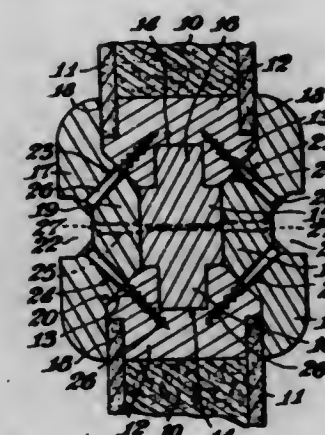


1. In a pitch control device for variable pitch propellers, the combination of a rotatable support for a propeller hub, a slidable pitch adjusting member carried by and rotatable with the support, means for shifting the pitch adjusting member axially including an inner bearing race splined to the support, a stationary casing, an outer bearing race splined to the casing, bearing balls between the races, the races being constructed to transmit thrust between the races and through the balls along lines which constitute elements of a cone of about 45°, the outer surface of the outer race being threaded, a nut in threaded engagement with the outer race, means for rotating the nut to move the bearing axially, and

means for preventing axial and radial movement of the nut, the threads of the nut and outer race having engaging helical surfaces perpendicular to the axis of the shaft, the threads having normal axial clearance to permit normal rotation, without binding and there being substantially greater radial clearance between the nut and outer race than the axial clearance whereby said engaging surfaces of the nut and outer race under axial load of the pitch shifting means damp eccentric movement of the support.

2,386,588

JOINTS OF WALLS, ROOFS, AND THE LIKE CONSTRUCTED FROM PREFORMED PANELS OR SLABS
Bernard Brunton and Rolfe Gilbert Booth, London, England
Application July 14, 1943, Serial No. 494,714
In Great Britain April 22, 1942
4 Claims. (Cl. 20-4)



1. In a building wall or the like, at least a pair of panels each having a marginal frame including an edge portion provided with convergently related inclined abutment faces and a central groove, a spacing bar of substantially cruciform cross section having opposite tongue portions fitting in the central grooves of adjacent frames and also having opposite strip abutment faces, a joint covering strip having its inner side provided with shoulder portions for overlapping contiguous areas of the panels and also having an intermediate throat portion adapted to fit substantially between the ends of adjacent frames, said strip having an outer face including a groove whose bottom corners are formed with oblique fastening applying surfaces which are disposed parallel to the convergently related abutment faces of the panel frames, whereby, a fastening piercing said fastening applying surfaces at right angles thereto also pierces and imbeds itself in said abutment faces, thereby firmly to clamp the strips and panels rigidly to the spacing bar.

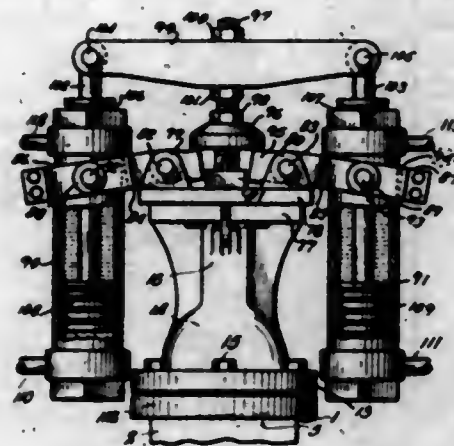
2,386,589

VALVE AND OPERATING MECHANISM THEREFOR

Walter T. Caldwell, Enid, Okla., assignor, by mesne assignments, to Valve Engineering Company, Enid, Okla., a corporation of Oklahoma
Application March 19, 1942, Serial No. 435,305
8 Claims. (Cl. 137-139)

1. In a valve having a flow passageway, opposed seats surrounding the passageway, a gate adapted to wedgedly engage said seats, a stem connected with the gate, a cross-arm fixed to the stem, levers supported on the valve for limited pivotal movement, a lever engaging portions on the stem adapted to be engaged by the levers when the gate is in seat engaging position, cylinders carried by the levers, pistons slidable in

the cylinders, means connecting the pistons with the cross-arm, and means supplying a pressure medium to the cylinders for effecting rocking



movement of said levers to exert a prying force on said lever engaging portion and movement of the stem for unseating the gate.

2,386,590

CATAMENIAL DEVICE

Vernon Calhoun, Chicago, Ill.

Application October 12, 1940, Serial No. 360,991
28 Claims. (Cl. 128-285)

5. An intravaginal catamenial tampon of absorbent material for insertion when dry high into the vaginal canal and capable when dry of maintaining its initial configuration, said tampon initially having an elongated substantially cylindrical form with one end fashioned to face the cavity at the inner end of the vaginal canal beneath the cervix and to seal the inner portion of the canal, said end provided with an elongated hole extending from said end axially into the cylinder for a portion of the cylinder length and adapted to receive at least some of the menstrual flow from said cavity and said tampon considered as a whole adapted to absorb the menstrual flow progressively from the end facing the cervix to the opposite end to an amount within the absorption capacity of the tampon, said opposite end being solid, the material forming said cervix facing end being initially compressed and automatically expandable from its compressed form when the menstrual flow is received into the hole and operating to cause the flow to percolate from the hole radially and outwardly as well as axially thereof into the absorbent material.

26. A catamenial tampon comprising a cylinder of highly compressed absorbent fibrous material, said compressed cylinder being self-retaining in size and shape and having an opening extending from its forward or insertion end into the interior thereof to facilitate absorption by an expansion of the tampon, and a withdrawal cord secured to the other end of said cylinder.

2,386,591

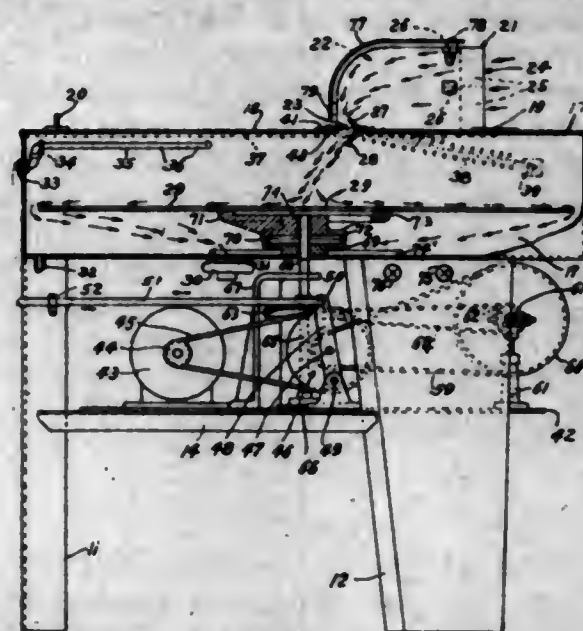
PLATE WHIRLER

James T. Campbell, Detroit, Mich.

Application March 22, 1944, Serial No. 527,593
6 Claims. (Cl. 91-42)

1. A plate whirler comprising a hollow closeable housing, a freely rotatable plate holder journaled therein having an annular flange on the bottom thereof, rotatable means extending into said housing and loosely into said holder providing a

journal therefor, and clutch means on said rotatable means having a corresponding annular



flange frictionally engageable with said first annular flange.

2,386,592

BITUMINOUS COMPOSITION AND METHOD OF MAKING SAME

Edward James Canavan, West Englewood, N. J., assignor, by mesne assignments, to Allied Chemical & Dye Corporation, a corporation of New York

No Drawing. Application October 10, 1941,
Serial No. 414,457

14 Claims. (Cl. 196-152)

1. A substantially homogeneous bituminous digestion product having a low temperature-susceptibility factor comprising a tar product from the group consisting of coal tar, water-gas tar, their oils and pitches, and an asphaltic pyrobituminous material having the following properties: specific gravity at 77° F., from about 1.1 to about 1.25; non-mineral constituents, more than 50% fixed carbon; solid at atmospheric temperatures; and substantially infusible.

2,386,593

ACTIVATOR FOR WELLS

Clyde C. Carter, Dallas, Tex., assignor of twenty-five per cent to C. T. Stewart, Baytown, Tex.

Application April 18, 1942, Serial No. 439,525
5 Claims. (Cl. 166-20)

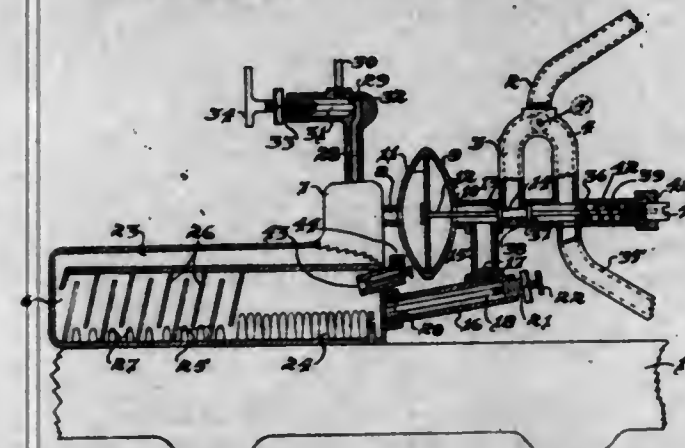
1. An activating device for wells including in combination with a working barrel attached to the well tubing, traveling and standing valves as-

sociated with said working barrel, a central tube connected to and suspended below said tubing string, having longitudinal slots circumferentially spaced about its upper end portion, a piston carried by the lower end portion of said tube, a second tube closed at its lower end and slidably surrounding said central tube and having longitudinal slots circumferentially spaced about its lower end, terminating at their lower ends a substantial distance above the lower end of said second tube and in which said piston is received, said second tube enclosing the slots of said central tube and having fluid outlet ports below the longitudinal slots in said second tube adapted to be covered by said piston, when the latter is in its upper position, spring means normally urging said central and second tubes into relative positions where the piston covers the outlet ports and for resisting relative longitudinal displacement of said tubes to uncover said ports, a shell fixed to and closed at both ends about said second tube above the outlet ports thereof and having slots longitudinally disposed and circumferentially spaced about its upper end to enclose the slots of said second tube and cooperating means in fixed relation to said second tube for opening the traveling and standing valves of said tubing string upon downward movement of the latter to effect longitudinal displacement of said central tube and said piston with respect to said second tube and shell to uncover said outlet ports.

2,386,594

CHARGE FORMING DEVICE FOR INTERNAL-COMBUSTION ENGINES

Russell Carkner Cone, Mine Centre, Ontario, Canada, assignor of one-third to Walter G. Hatcher, Mine Centre, Ontario, Canada

Application December 23, 1942, Serial No. 469,909
4 Claims. (Cl. 48-102)

1. In a device of the character described a vaporizing chamber means for heating said chamber, a fuel feed line adapted for delivery of fuel under pressure, said feed line having a feed outlet and a bypass outlet, a valve for the bypass outlet, adjustable means for holding said valve closed with any desired pressure, a diaphragm valve housing having communication with the vaporizing chamber, a diaphragm in the housing responsive to pressure obtaining in the vaporizing chamber, a valve for the fuel feed outlet, a valve stem connecting said valve and diaphragm, and a further feed line connecting the fuel feed outlet and the vaporizing chamber.

2,386,595

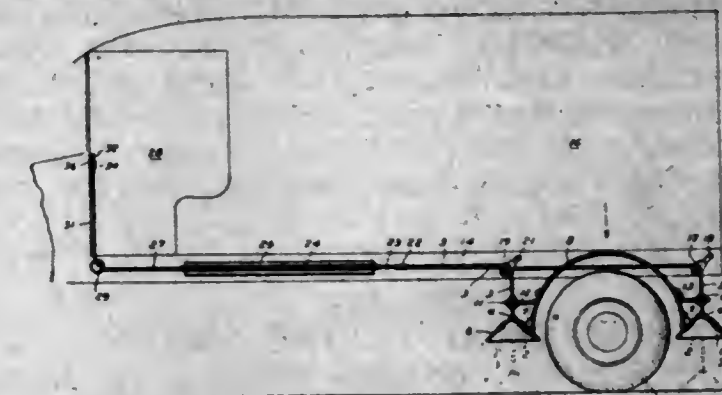
VEHICLE WHEEL BLOCK DEVICE

Lloyd E. Connell and Lewis W. Jones, San Francisco, Calif.

Application August 9, 1943, Serial No. 498,014
3 Claims. (Cl. 188-4)

1. In a block device for the wheel of a vehicle, the combination with a block suspended on a

line from the vehicle so as to be raised and lowered by said line; of a guide holder on the vehicle adjacent the wheel to be blocked, said holder being spaced from but being aligned with the periphery of said wheel substantially above the



predetermined ground position of said block relatively to said wheel, and means to guide said line so as to pull said block to said holder when the block is raised, and to lower said block to the ground opposite said wheel periphery.

2,386,596

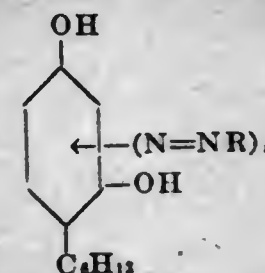
AZO DYES

Moses L. Crossley and Byron L. West, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 5, 1941,
Serial No. 417,878

4 Claims. (Cl. 260-166)

1. An azo dye containing hexylresorcinol having the following formula:

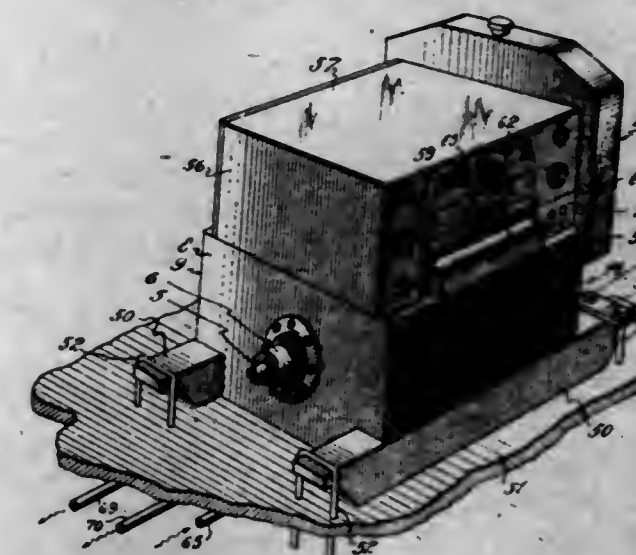


in which R is one or more radicals included in the group consisting of aryl radicals and arylazo-aryl radicals and n is a whole number included in the group consisting of 1 and 2.

2,386,597

POWER STRUCTURE

Kibbey W. Couse, Newark, N. J.

Application April 15, 1944, Serial No. 531,198
7 Claims. (Cl. 290-1)

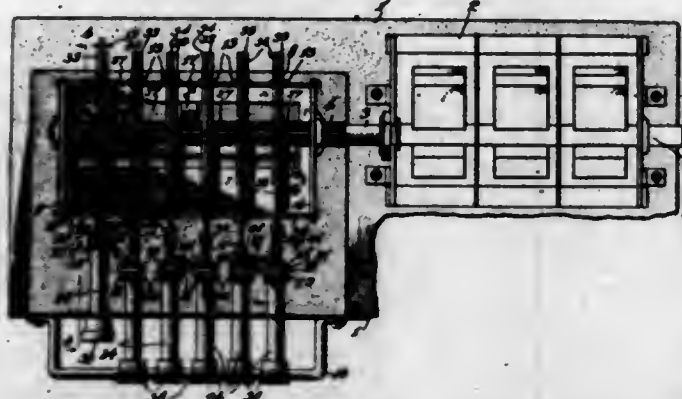
5. A power structure for a traveling work shop including a propelling engine comprising a pair of interlinked electrical power units with an air chamber and fan positioned between the units and operated by a rotating part of at least one of said units, a housing for enclosing said units, a pair of skids forming part of the unitary structure and carrying all the other units, the skids

at the front end of the structure having cross-channels to receive holding devices from the shop floor to prevent, in part, longitudinal movement of the structure on the floor of the shop, a pair of cubicles positioned on the top of said housing and each having an outwardly positioned control panel, while the housing below said panels has air filters, and an auxiliary radiator for said engine interconnected with the housing and cubicles whereby air from the air chamber is forced through the cubicles and through the auxiliary radiator.

2,386,598

MECHANICAL TUNING MEANS

Stanley S. Cramer, Haddon Heights, N. J., assignor, by mesne assignments, to Condenser Development Corporation, Newark, N. J., a corporation of New Jersey
Application March 12, 1938, Serial No. 195,503
16 Claims. (Cl. 74-10)



1. For a radio receiving set having a tuning device with a movable part for tuning circuits in the set, means for operating said movable part of the tuning device including: a frame carrying a rotatable shaft having gear-teeth thereon disposed along its length and adapted to be connected to said movable part of the tuning device, a plurality of actuating units each corresponding to a radio station desired to be selected carried by said frame, each unit comprising a guide and support member having a pair of arms mounted transversely on the frame and positioned on opposite sides of said shaft, toothed rack members guided, one each, by said arms in mesh with the gear-teeth on said shaft, a pair of screw-threaded members in alignment with said racks, with means carried thereon slidably engaging said support arms for preventing said threaded members from turning, a pair of gears rotatably carried by said guide-and-support member and being internally threaded to support one each of said screw-threaded members, one of said gears having a rod associated therewith, with means on the rod for pushing the unit laterally to cause said screw-threaded members to successively engage said racks to turn said shaft until both of said screw-threaded members are in engagement with their respective racks.

2,386,599

AZO COMPOUNDS AND MATERIAL COLORED THEREWITH

Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application April 22, 1943,
Serial No. 484,079

10 Claims. (Cl. 260-155)

1. The azo compounds having the formula:
 $R-N=N-R_1$

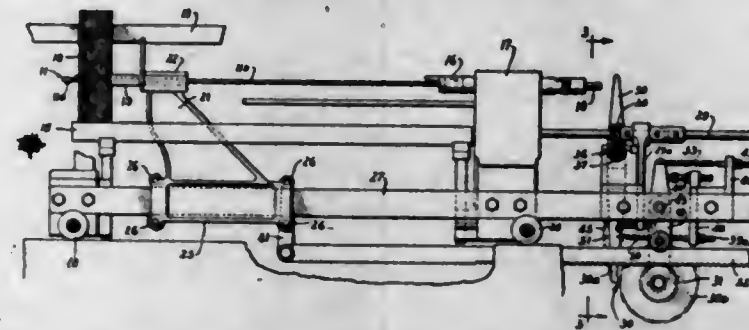
wherein R represents the residue of a member selected from the group consisting of a benzene

nucleus, a naphthalene nucleus and an azo-benzene nucleus and R_1 represents the residue of a coupling component selected from the group consisting of coupling components of the benzene series, coupling components of the naphthalene series, 5-membered heterocyclic coupling components containing at least one hetero nitrogen atom having a fused-on benzene ring and in which a hetero nitrogen atom is directly attached to the fused-on benzene ring and 6-membered heterocyclic coupling components containing at least one hetero nitrogen atom having a fused-on benzene ring and in which a hetero nitrogen atom is directly attached to the fused-on benzene ring and wherein at least one of the members R and R_1 contains a 4,5-dihydroxylamyl group joined directly to the nucleus through a nitrogen atom.

2,386,600

DROP WIRE COMPRESSOR FOR WARP DRAWING MACHINES

Russell P. Drake, Caledonia, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application December 24, 1943, Serial No. 515,571
19 Claims. (Cl. 28-46)

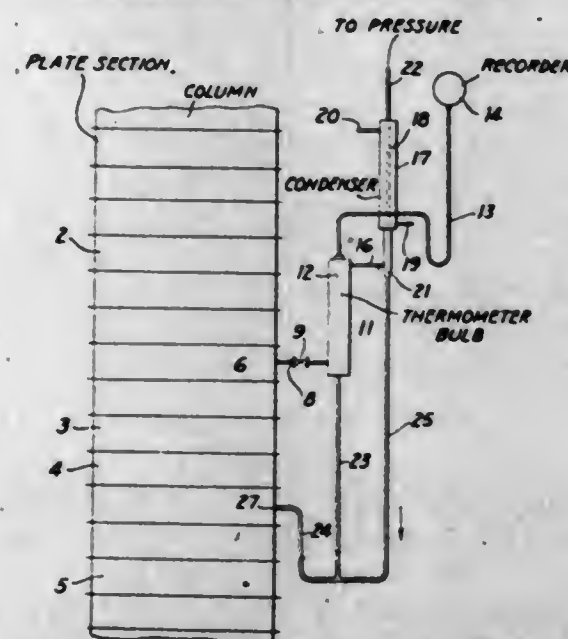


1. In a warp drawing machine, the combination of a revolvable release key adapted to be threaded through a bank of drop wires and to release them one by one as it revolves, a backer shiftable to compress a bank of drop wires on the release key, power driven means for advancing said backer to compress the bank, and means operable in response to attainment of a predetermined pressure on the bank for disabling said drive means against further advance of said backer until such pressure again drops below said predetermined value.

2,386,601

DISTILLATION CONTROL

Webster E. Fisher, Pine Bluff, Ark., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 3, 1942, Serial No. 449,615
5 Claims. (Cl. 202-40)



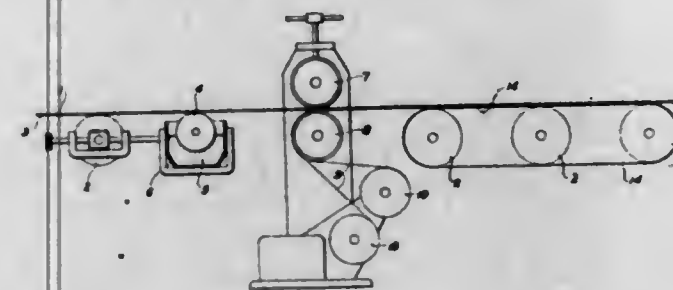
1. In a process for the distillation of the difficultly separable components in a distillation unit

operating under internal pressure, which pressure may be variable, wherein it is desired to obtain accurate measurements which otherwise would be effected by said internal pressure, the steps which comprise withdrawing vapors from within the distillation unit at a point where it is desired to obtain measurements, cooling the withdrawn vapors to saturation, said cooling, however, being insufficient to cause any substantial partial condensation of the vapors, also said cooling being carried out under a determinable pressure, taking the temperature of the vapors, withdrawing the vapors after said temperature has been obtained, cooling the vapors to obtain condensate and returning the condensate to the distillation.

2,386,602

METHOD OF SENSITIZING AND PROTECTING METAL PLATES

Victor N. Gloseff, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 30, 1942, Serial No. 452,928
2 Claims. (Cl. 154-2)

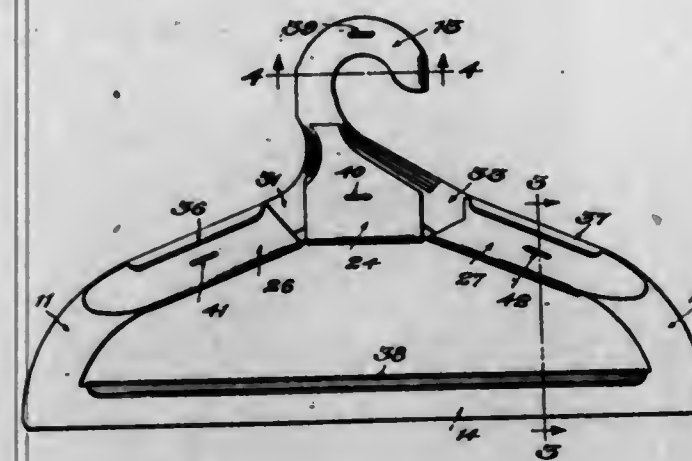


1. The method of sensitizing a large rigid plate that comprises conveying said plate to presser rolls, applying an adhesive to the under surface of said plate as it approaches said presser rolls and at the same time bringing into contact with the same under surface a flexible dry stripping material including an unexposed photographic layer, and conveying the assembled sheets between said presser rolls under resilient pressure and across a table where the weight of the plate holds them firmly together during setting of the adhesive.

2,386,603

GARMENT HANGER

Michael Glaser, New York, N. Y.
Application November 25, 1942, Serial No. 466,905
1 Claim. (Cl. 223-87)



A garment hanger formed from a sheet of foldable material and comprising a body portion of approximately isosceles triangular shape, a hook-like suspension means projecting from the apex of the body portion opposite the base, a reinforcement.

579 O. G.-19

2,386,604

METHOD OF MOLDING UNDER PRESSURE METALLIC POWDERS

Claus G. Goetzel, Yonkers, N. Y., assignor to American Electro Metal Corporation, Yonkers, N. Y., a corporation of Maryland
Application October 30, 1943, Serial No. 508,308
9 Claims. (Cl. 75-22)

1. In a method of pressing from metallic powder of given apparent density a coherent body of predetermined greater overall and minimum density and shape, the thicknesses of which, measured essentially in the direction of pressing, differ considerably so that compressing in one step is apt to cause detrimental variations of particle concentration, the steps of compacting said powder to an intermediary coherent shape of an overall density approximating, within about 20%, a density halfway between said apparent and greater ones, heating said intermediary shape at a temperature about 35 to 20% below the melting temperature of said powder and for a period of about 10 to 30 minutes so as to increase the coherence of said intermediary shape without essentially increasing its density, and thereafter imparting to said intermediary shape the predetermined one by at least one further compacting step at considerably higher pressure than used in the preceding compacting step.

2,386,605

TREATMENT OF OIL WELLS

Erskine E. Harton, Jr., Evanston, and Priscilla Lyon, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application October 15, 1943,
Serial No. 506,350
9 Claims. (Cl. 252-8.55)

1. The method of disintegrating calcium sulfate deposits at the bottom of earth bores which comprises contacting said deposits with concentrated aqueous potassium hydroxide solution containing at least 20% by weight of potassium hydroxide.

2,386,606

PROCESS OF TREATING COMPLEX COMPOUNDS CONTAINING A SIDE ISOPROPYL GROUP AND PRODUCTS THEREFROM

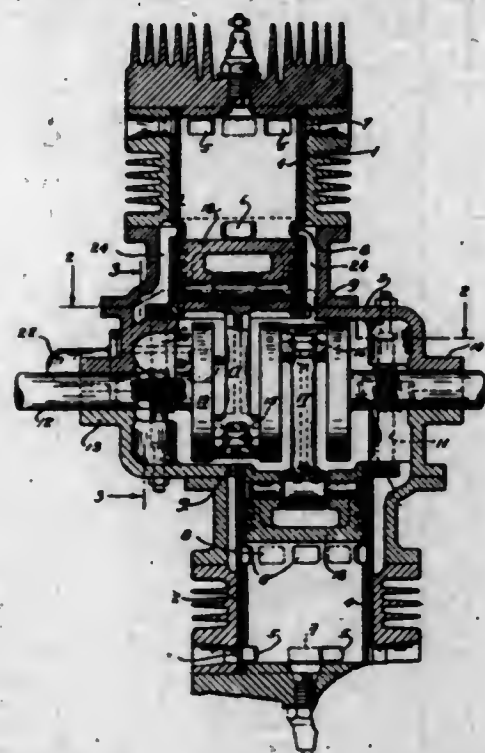
Torsten Hasselstrom, Savannah, Ga., assignor to G and A Laboratories, Inc., Savannah, Ga., a corporation of Georgia
No Drawing. Application July 11, 1941,
Serial No. 402,032
6 Claims. (Cl. 260-668)

1. The process of treating retene which comprises heating the compound in the presence of a catalyst for splitting away the side group and thereby producing 1-methylphenanthrene and propylene.

2,386,607

INTERNAL COMBUSTION ENGINE

Ralph M. Heintz, Cleveland, Ohio, assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio, a corporation of Ohio
Application May 8, 1943, Serial No. 486,265
5 Claims. (Cl. 123-56)

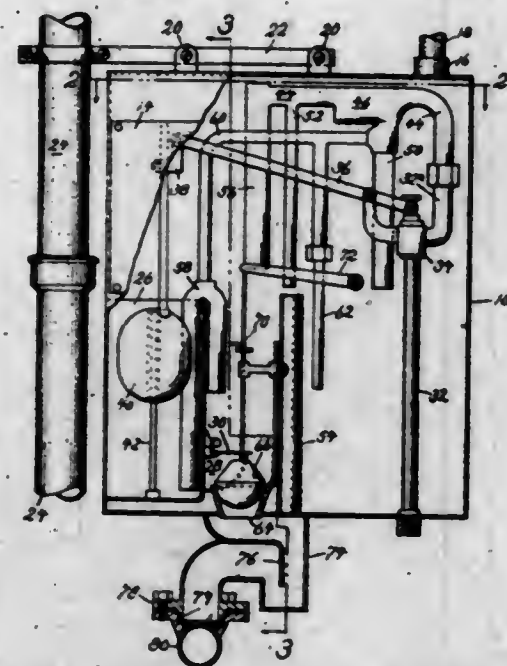


5. In a pancake type opposed cylinder four cycle crankcase compression internal combustion engine, a crankcase carrying a two throw crankshaft and a pair of cylinders, crank disks carrying said crank throws, the walls of said crankcase closely surrounding said crank disks to limit the crankcase compression space substantially to the space required between said disks for connecting rod travel, rotary sleeve valves in said cylinders, and driving means outside of said crankcase compression space for rotating said sleeve valves in timed relation for alternate firing of said cylinders.

2,386,608

STACK HUNG FLUSH TANK

Victor A. Hoffmann, Harvey, Ill.
Application June 12, 1942, Serial No. 446,695
16 Claims. (Cl. 4-68)



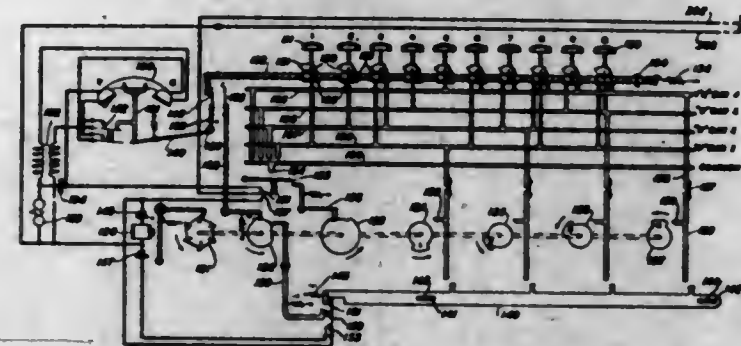
1. In a flush tank, an enclosed shell having a valved outlet, a valved supply line extending into said shell, a float chamber positioned within said shell, a float operably positioned within said float chamber, said float being operably joined to said supply line, siphon means for filling the float chamber after the water in the shell reaches a predetermined level, means operable to maintain the discharge end of said siphon sealed against

the passage of air thereinto when the water in the shell is discharged, and means for discharging the water from the float chamber and the shell in unison.

2,386,609

TELEPHONE SYSTEM

Francis A. Hubbard, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 3, 1943, Serial No. 493,410
2 Claims. (Cl. 179-90)

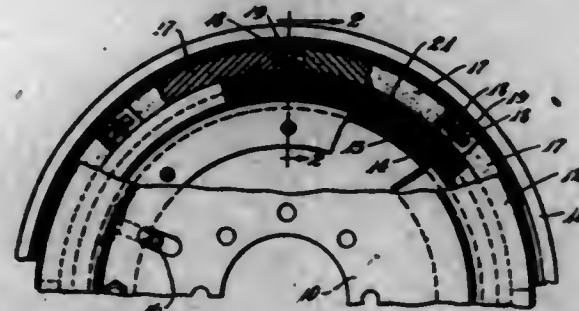


1. In a telephone system, a calling substation, called substations, transmitting means at said substations, selecting equipment common to said substations, means for transmitting the designation of a called substation from said calling substation to said selecting equipment comprising a loop circuit connecting said transmitting means and said selecting equipment, means for applying alternating current to said loop circuit, distributing means in said transmitting means, distributing means at said selecting equipment, means to simultaneously drive said distributing means in response to a plurality of half cycles of said alternating current having one polarity, and means under the control of the distributing means at said transmitting means to suppress the intermediate half cycles of said alternating current, a register comprising a plurality of relays at said selecting equipment, means under the control of the distributing means at said selecting equipment for placing said relays successively under the control of said transmitting means during said intermediate half cycles, and means operated by said register to connect said calling substation with the called substation.

2,386,610

FRICTIONAL MECHANISM

Willson H. Hunter, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 30, 1943, Serial No. 508,305
5 Claims. (Cl. 188-152)

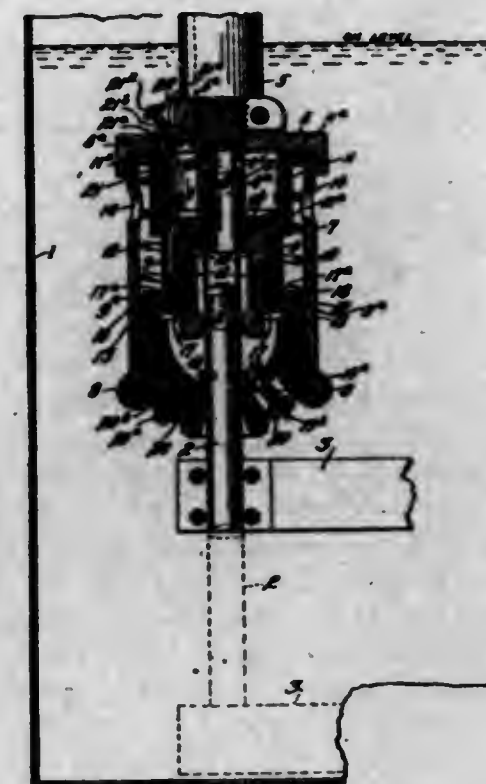


1. A frictionally engageable structure comprising an expansible member having a movable arcuate surface, and circumferentially continuous means for retracting the same comprising a retractor spring associated with said expansible member radially within the confines of said surface for direct action on the expansible member.

2,386,611

CIRCUIT BREAKER

Emil A. Heman, Bethlehem, Pa., assignor, by mesne assignments, to Realty and Industrial Corporation, Convent, N. J., a corporation of New Jersey
Application April 27, 1943, Serial No. 484,687
19 Claims. (Cl. 200-150)

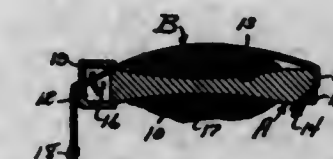


1. An oil circuit breaker comprising a fixed contact having a passage therethrough, a movable contact for completing an electrical connection with the fixed contact when the breaker is closed, an enclosing casing, a differential piston within the casing for forming an oil chamber at one end of the casing and an arcing chamber at the other end of the casing, said piston comprising a top portion and a bottom portion larger than that of the top portion, whereby said piston is movable upon the formation of the arc in the arcing chamber in a direction to force the oil from the oil chamber first through the fixed contact and then into the arcing chamber and across the arc, and a spring for returning the piston to its initial position.

2,386,612

FASTENER FOR COLD WAVE ROLLERS

Bertha Johnson, Nashville, Tenn.
Application September 15, 1944, Serial No. 554,243
2 Claims. (Cl. 132-42)

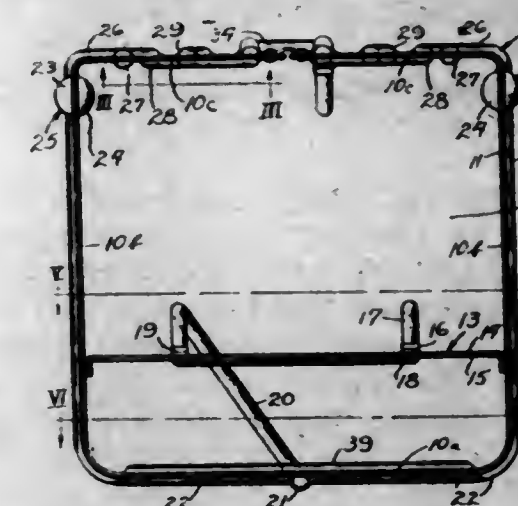


2. A fastener for a curling roll having an intermediate concave curling area and outer blunt ends, comprising a cord secured at one end to one of the blunt ends of the roll and detachably and adjustably engageable in a bifurcation formed in the other blunt end of said roll, a freely movable cap on the cord and removably engageable on the said other blunt end of the roll to sustain the cord fast therein and knots on the ends of the cord to retain it secured to the roll and also holding the cap attached to such cord.

2,386,613

EVAPORATOR UNIT

Bernard C. Johnson, Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application July 13, 1944, Serial No. 544,748
6 Claims. (Cl. 62-126)

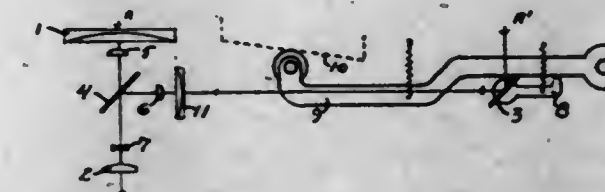


1. An evaporator unit comprising contiguous secured-together metal sheets bent to form the bottom, side walls and top of a sharp freezing chamber, embossments in said sheets forming header chambers in each side wall of the unit together with refrigerant circulating ducts around the bottom and side walls of the unit discharging at their upper ends into the header chambers and an inlet duct communicating with the bottom portions of the circulating ducts to supply refrigerant thereto, said outer sheet having embossments therein extending from the tops of the header chamber defining embossments over the top of the unit to define spent refrigerant ducts, and said inner sheets having localized embossments communicating with spaced portions of the spent refrigerant ducts to trap liquid in the refrigerant flowing therethrough.

2,386,614

RANGE FINDER

Edward K. Kaprellan, Alexandria, Va.
Application July 11, 1944, Serial No. 544,366
9 Claims. (Cl. 88-2.4)

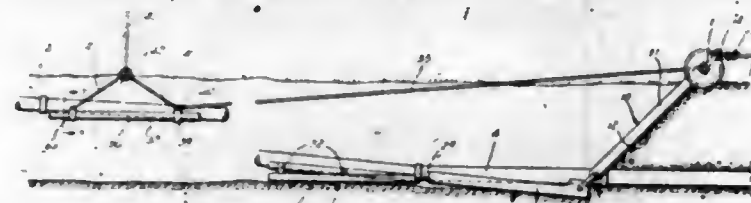


1. In a combined view finder and range finder of the coincidence type, a partially reflecting ray dividing surface, an inverted Galilean view finder system having its negative element situated before the ray dividing surface and its positive element behind said surface, a movable mirror displaced from the view finder system and forming with said system the base for the range finder, a negative lens having the same power and spacing from said ray dividing surface as said view finder negative lens and located between said movable mirror and said ray dividing surface and acting to diverge light directed by the mirror to said ray dividing means, and an afocal magnifying system of the positive Galilean type comprising at least one positive and one negative lens enclosed within the range finder system to magnify corresponding parts of the central portions of the range finder images.

2,386,615

PIPE-LINE RECLAIMER

Kenneth C. Knapp, Oxford, Kans.
Application February 21, 1945, Serial No. 579,033
3 Claims. (Cl. 37-1)

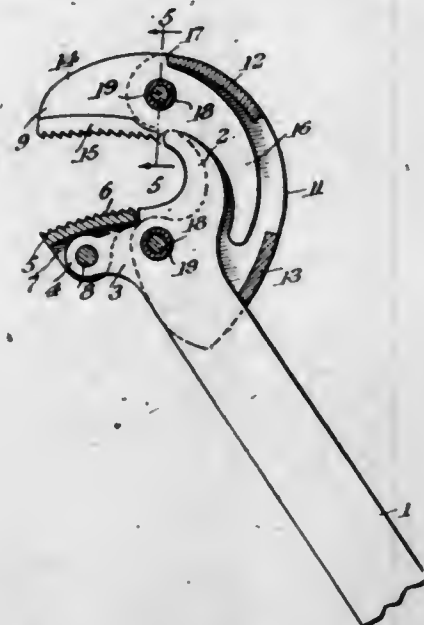


2. A pipe line reclaimer comprising the combination with an elongated semi-cylindrical pipe engaging shoe solid at one end and open at its respective opposite end, said shoe at the solid end having a beveled surface, and also provided at said end with upstanding ears projecting from opposite sides of the upper surface of the side walls thereof, a pair of links pivoted in the ears, means to retain the links in various angular positions with relation to the shoe, trench cutter blades pivoted to the links and extending upwardly and forwardly from the shoe, a clevis pivoted to the upper ends of the trench cutting blades, of a pipe elevating device flexibly connected to the rear end of the shoe.

2,386,616

WRENCH

Lou E. Leathers, Dixon, Calif.
Application August 12, 1943, Serial No. 498,337
2 Claims. (Cl. 81-91)

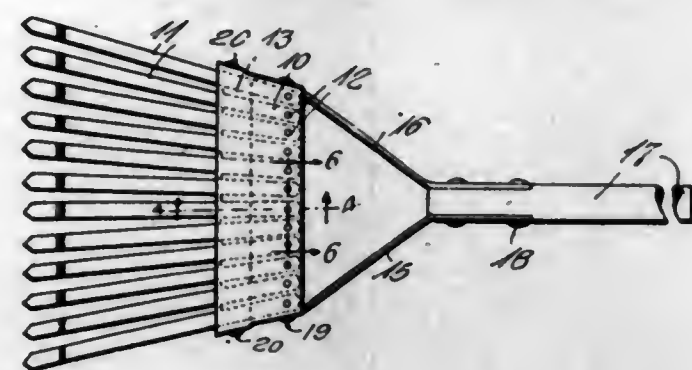


1. A wrench comprising a handle, an arm formed on and extending at a forward inclination from one end of the handle, a bearing collar formed on the outer end of the arm, a toothed jaw including spaced ears pivoted to the collar for rocking movement of the latter on said jaw, an arcuate upwardly extending cam projection formed on the handle and having its outer end portion extending forwardly relative to the handle, a frame including arcuate side walls pivoted to and disposed upon opposite sides of the handle and the cam projection, a toothed jaw pivoted to and between the side walls for cooperation with the first jaw, an arcuate cam tongue formed on and extending rearwardly and downwardly from the second jaw and engaged with the outside curved face of the cam projection whereby upon swinging movement of the handle the jaws are moved toward and away from each other, and spaced webs formed on and bridging the side walls and being arranged relative to the handle and the second jaw to limit movement of the latter.

2,386,617

METAL RAKE

James H. Lewis, Greenwood, S. C.
Application July 17, 1944, Serial No. 545,205
1 Claim. (Cl. 56-400.17)

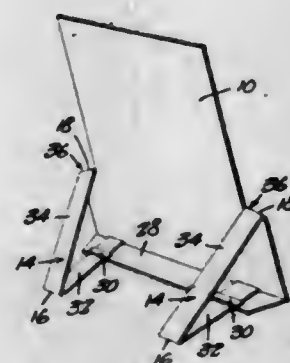


In a metal rake, a head comprising a plate having an extension at its forward edge, spaced tongues integral with the plate and extension, tines having their inner ends projecting through the spaces between the tongues terminating near the rear edge of the plate, means for anchoring the inner ends of the tines to the plate, the said extension being folded back on the under surfaces of the tines, a handle having arms to which the head of the rake is secured, the plate and extension overlying the upper edges of the arms and shaped to embrace the sides and under surfaces of the arms and folded around the lower edges of said arms in parallel relation to each other, and means for securing the parallel portions of the plate and extension together to said arms.

2,386,618

DISPLAY CARD

Dallas V. Lisle, Mount Lebanon, Pa.
Application September 28, 1942, Serial No. 459,981
1 Claim. (Cl. 40-124.1)

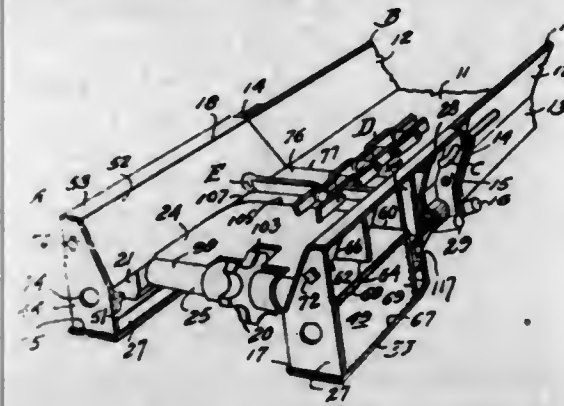


A display card comprising a single sheet of material bendable along a predetermined line to provide a base flange, said sheet being cut along its opposed side margins to form strips bendable along transverse lines for engagement with the base flange, the bending line at the juncture of each strip with the sheet being at a slight angle to the horizontal to provide drooping shoulders, means for connecting the strips with the base flange to provide a support for the card, said base flange having slots located inwardly of the vertical side edges of the card, and said strips being bendable along predetermined lines so angled as to bring the free ends of the strips into alignment with said slots for passage therethrough, said sheet being of rectangular contour with the bottom edges thereof forming the base being cut at an angle.

2,386,619

TAIL SECTION FOR CHAIN CONVEYERS

Armistead R. Long, Fayetteville, W. Va., and John B. Long, United States Navy, Fort Schuyler, N. Y., assignors to Long Super Mine Car Company, Fayetteville, W. Va., a corporation of West Virginia
Application March 27, 1944, Serial No. 528,302
12 Claims. (Cl. 198-208)

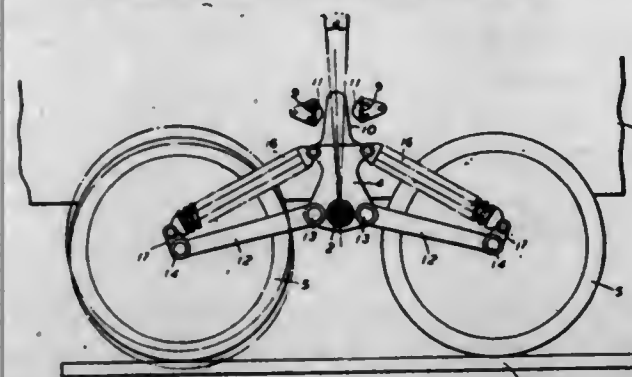


1. In an endless chain conveyer, the combination of a base; a trough for the upper run of the conveyer chain; a foot shaft carrying an end sprocket wheel, fixed thereto, for the conveyer chain; bearings movably carried by said base for revolvably supporting said shaft crosswise of the conveyer and in spaced relation to the end of the bottom of said trough; means for adjusting said bearings longitudinally of the conveyer; a bottom slide plate spanning the distance between said shaft and the end of the trough, and slidably engaging the bottom of the trough; and means for pivotally supporting said plate by said bearings, free of said shaft.

2,386,620

ARTICULATED BOGIE FOR TRACK LAYING OR OTHER VEHICLES

Vivian Graham Loyd, Camberley, England
Application May 16, 1944, Serial No. 535,796
In Great Britain December 31, 1943
3 Claims. (Cl. 280-104.5)



1. An articulated bogie for a vehicle comprising a bracket mounted to oscillate upon an axle member, track wheels disposed opposite sides of said bracket, suspension arms carrying the wheels and mounted to pivot independently of said bracket, shock absorbing means arranged to transmit the rise and fall of the wheels to said bracket, and stops limiting the angle of movement of said bracket to within the approximate range to accommodate normal road surface irregularities, said shock absorbing means being yieldable relatively to said bracket to accommodate abnormal or rough terrain irregularities.

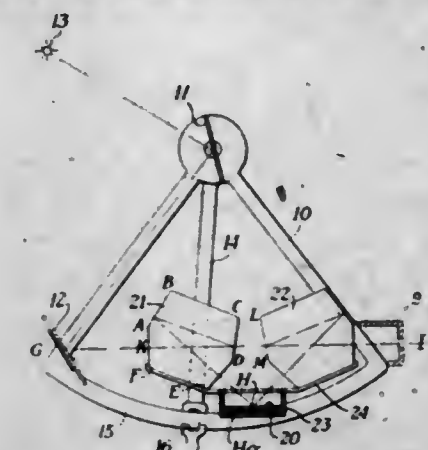
2,386,621

ARTIFICIAL HORIZON FOR SEXTANTS

Benjamin E. Luboshez, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 10, 1944, Serial No. 534,919
10 Claims. (Cl. 88-2.4)

1. An artificial horizon for use on an instrument for determining the direction of an object

relative to the horizontal plane including an optical system for directing an image of the object sighted upon to a viewpoint along a sight axis, a portion of which is horizontal in normal use of the instrument, and comprising a horizontal reflecting surface disposed vertically to one side of the horizontal portion of said sight axis; and a pair of constant light deviators, each having two reflecting surfaces inclined at less than 45 degrees to each other, intersecting said horizontal portion of the sight axis and adapted to deviate part of said rays passing along said axis while allowing

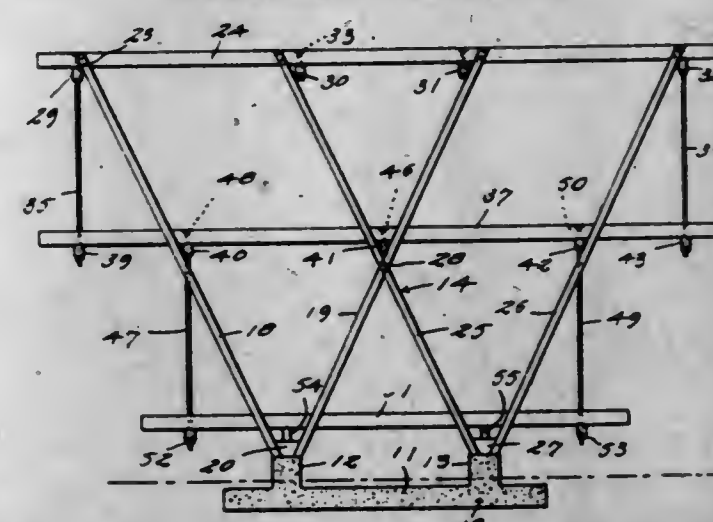


the remainder to pass therealong to the viewpoint, said light deviators displaced from one another along said horizontal portion of the sight axis and disposed vertically relative to said horizontal reflecting surface so that the rays of light leaving one of said deviators strikes the horizontal reflecting surface at an angle less than 90 degrees and are in turn reflected into the second deviator from whence they are directed to the viewpoint of the instrument to be viewed simultaneously with the rays passing directly along the sight axis.

2,386,622

SUSPENDED BUILDING CONSTRUCTION

Roscoe W. Marshall, Brunswick, Ga.
Application December 16, 1942, Serial No. 469,241
7 Claims. (Cl. 20-1)



2. A skeleton building frame construction comprising spaced apart wall supports and floor supporting ties connecting said supports together, each support comprising at least two pairs of V-shaped members, an upper horizontal beam secured to the upper divergent ends of said members, a lower horizontal beam, and depending hangers carried by said upper beam supporting said lower beam therefrom.

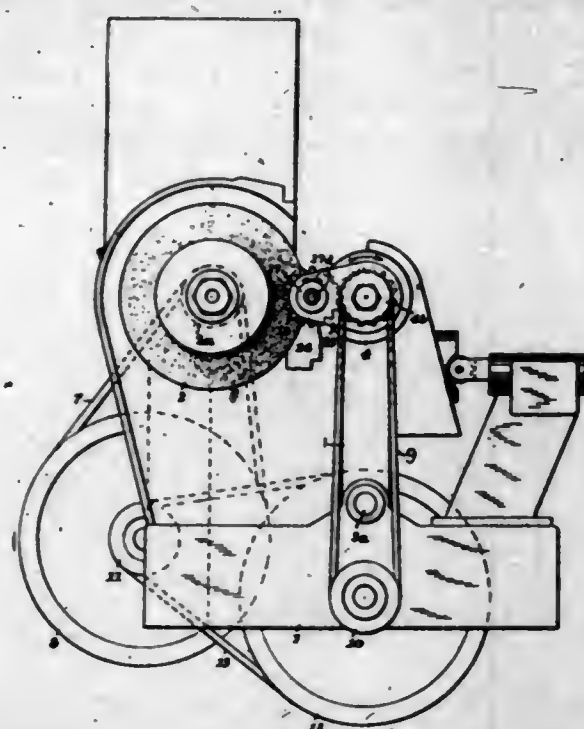
2,386,623

MACHINE FOR FORMING SEPARATED BODIES

Arthur C. Mason, Paterson, N. J.
Application March 18, 1943, Serial No. 479,612
7 Claims. (Cl. 51-103)

1. The combination, with a grinding machine including supporting structure, a rotary grinding

element having a grinding periphery, means, movable toward said periphery, to press the work thereagainst, and means to support the work against the rotary tractive effort, and with its own axis substantially parallel with the axis, of said element, of a rotary work-rotating chuck

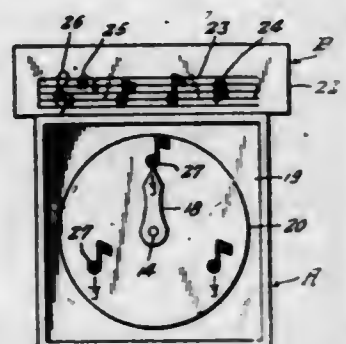


free to move with and movable by the work as the latter moves in response to the pressure of the first-named means, said machine also including means to guide the chuck in a path coincident with that of the work during movement of the latter in response to the pressure of said first-named means.

2,386,624 TEACHING DEVICE

Mary Gertrude McGowan, Fall River, Mass.
Original application July 1, 1943, Serial No. 493,095. Divided and this application July 13, 1944, Serial No. 544,687

2 Claims. (Cl. 35-1)



1. In a teaching device of the class described, a holder comprising a rectangular backing board, a rectangular front frame parallel with and spaced from said backing board, and narrow side and bottom walls connecting the backing board and frame to define a flat vertical receptacle open at the top for removable reception of centrally apertured selectively usable charts, an axle removably journaled for rotation in and extending through said backing board centrally of the latter, a crank secured on said axle rearwardly of said backing board, and a pointer mounted on said axle in front of said backing board and movable within the limits of the frame, said pointer being removable from the axle to permit engagement of the latter in the aperture of a chart inserted in the holder, said axle being removable to permit insertion of the chart in the holder preparatory to engagement of the axle in the aperture of the chart and mounting of the pointer on the axle in front of the chart.

2,386,625 COMBINATION STORM WINDOW

Joseph L. Metzger, Louisville, Ohio
Application June 26, 1944, Serial No. 542,044
4 Claims. (Cl. 160-182)



4. The combination with a window casing and sill, of a frame attached to the outer face of the casing and resting on the sill, and interchangeable screens and window sashes of similar size, shape, and proportions detachably mounted in the frame to form either a storm window or screens, their inner and outer faces being flush with the frame, and means for detachably holding the same in the frame.

2,386,626 DRAWING SURFACE

Gale F. Nadeau, Edwin H. Hilborn, and Clarence S. Hunter, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application January 30, 1943, Serial No. 474,226
3 Claims. (Cl. 117-8)

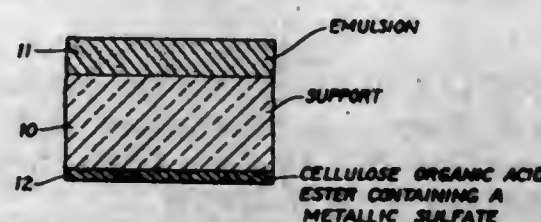
1. The method of forming an improved drawing surface which comprises coating a transparent cellulose acetate sheet with a solution having the following formula:

	Per cent
Grounded glass	3.54
Cellulose acetate	5.80
Gelatin	0.26
Sodium sulfate	0.60
Water	0.80
Methyl Cellosolve	14.00
Acetone	69.50
Methanol	3.50
Acetic acid	2.00

drying out the liquid components of the formula, removing substantial quantities of the sodium sulfate with water, and then again drying the coating.

2,386,627 ANTISTATIC FILM

Gale F. Nadeau and Clarence S. Hunter, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 30, 1943, Serial No. 512,366
3 Claims. (Cl. 95-9)

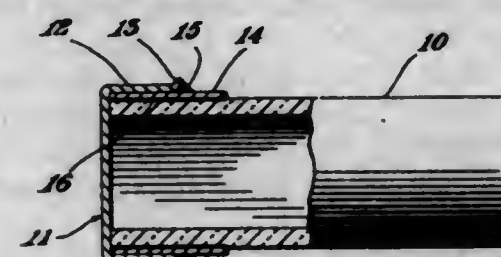


1. An anti-static photographic film comprising a cellulose ester support having thereon a sensi-

tive emulsion layer and a layer of an organic acid ester of cellulose containing aluminum sulfate in amount compatible with said cellulose organic acid ester layer.

2,386,628 GLASS-TO-METAL SEAL

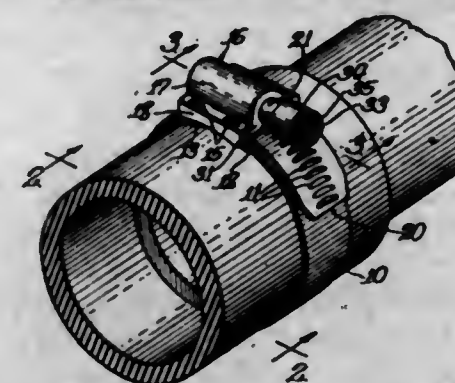
Mathew Naszewski, Adams, Mass., assignor to Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts
Application June 3, 1942, Serial No. 445,609
3 Claims. (Cl. 49-92.5)



2. In combination, a borosilicate glass member, a metal member having a different coefficient of expansion hermetically sealed thereto, interposed between said members and integrally bonded to the glass a layer of a metal consisting preponderantly of lead which is sufficiently soft that it adjusts itself without rupture to the differential expansion of said members, said interposed metal layer being hermetically joined to said metal member by means of solder.

2,386,629 HOSE CLAMP

Edwin W. North and William O. Burke, Rockford, Ill., assignors to National Lock Co., Rockford, Ill., a corporation of Delaware
Application May 31, 1943, Serial No. 489,110
5 Claims. (Cl. 24-19)



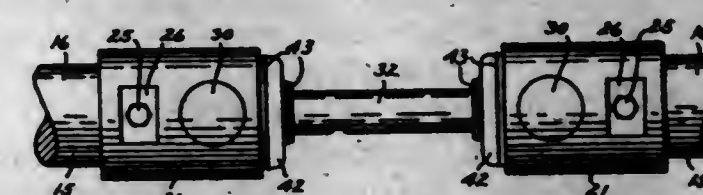
1. A hose clamp, comprising a transversely flat metal band adapted to embrace a hose to be clamped, a housing rigidly attached to one end of said band and shaped to permit the extension of the free end of said band therethrough, and a screw rotatably mounted in said housing, said screw consisting of a cylindrical body provided with a spiral thread presenting a substantially flat working face in one direction and a transversely curved face in the opposite direction, said free end of the band being provided with a series of spaced apart slots each having a straight wall adapted to be engaged by the flat working face of said screw thread and a curved wall shaped to accommodate the curved face of said thread.

2,386,630 UNIVERSAL COUPLING

Joseph M. O'Malley, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application January 6, 1943, Serial No. 471,422
8 Claims. (Cl. 64-7)

1. A universal coupling comprising a coupling member having a socket in its outer end shaped

to engage a driving or driven element, a chamber in its inner end, and a transverse cylindrical bore intersecting and crossing the chamber, plugs closing the ends of the bore, two spaced slippers located within the bore, the slippers having convex cylindrical surfaces engaging the opposite



walls of the bore and opposed parallel plane surfaces, a spindle entering the chamber, and a transverse head on the spindle between the slippers, the head having parallel plane surfaces on its opposite sides engaging the plane surfaces of the slippers, the ends of the head being shaped to provide spherical surfaces which engage the said plugs.

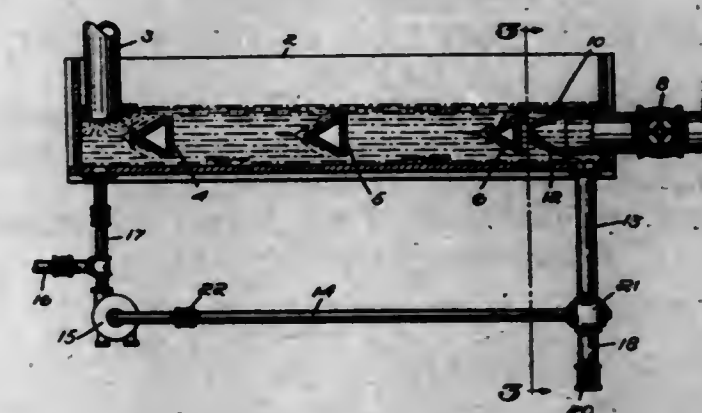
2,386,631 PERMANENT WATERPROOFING PRODUCT AND PROCESS OF MAKING IT

Raymond A. Pingree, Cranston, R. I., assignor to Warwick Chemical Company, Warwick, R. I., a corporation of Rhode Island
No Drawing. Application September 24, 1943, Serial No. 503,665
12 Claims. (Cl. 260-295)

12. A composition of matter comprising the reaction product of (a) a wax selected from the group consisting of montan wax, candelilla, carnauba, and beeswax, (b) a chloride selected from the group consisting of phosphorus trichloride, phosphorus pentachloride, sulfuric chloride, and thionyl chloride, (c) a long chain aliphatic nitrile, and (d) an aldehyde, and which product is heated and reacted with a tertiary amine.

2,386,632 STOCK SELECTING APPARATUS FOR USE WITH PAPER MACHINES

Ernest A. Poirier, Waterville, Maine
Application May 19, 1942, Serial No. 443,568
6 Claims. (Cl. 92-28)



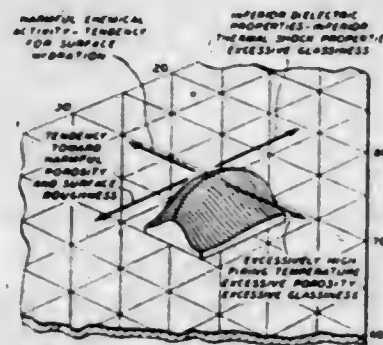
1. In an apparatus for separating dirt from paper making stock, the combination of a trough for guiding a stream of said stock along a predetermined path, a plurality of deflectors located in said trough transversely thereof in position to be submerged in said stream, each of said deflectors being wedge-shaped and positioned with its thin edge directed upstream, a delivery conduit having an intake positioned near the tail end of the trough at a substantial distance below the surface of the stock therein, said intake being in the form of a narrow slot located transversely in the trough, a deflector positioned immediately in front of said intake and having portions extending both above and below said slot, means

opening into the bottom of said trough in the neighborhood of said intake for conducting away the heavier dirt which is carried along the bottom of the trough by said stream and means additional to said last mentioned deflector for diverting floating dirt away from said intake.

2,386,633

CERAMIC MATERIAL

Merle D. Riggerink, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 10, 1944, Serial No. 557,965
20 Claims. (Cl. 106-46)

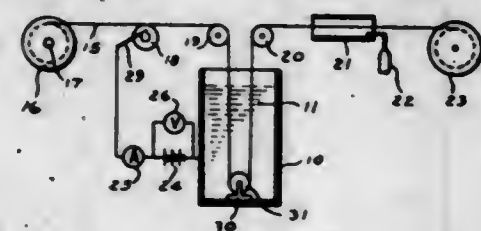


1. A fired-ceramic material which physically comprises a substantial proportion of small crystals and a substantial proportion of glass cementing together said crystals, which ceramic material chemically essentially comprises constituents which calculated as oxides form a composition falling within the parallelogram shaped area on an $XO_2-Y_2O_3-ZO$ mol per cent triaxial diagram approximately bounded by the parallel lines indicating 60 and 68 mol per cent of XO_2 and the parallel lines indicating 17 and 23 mol per cent of Y_2O_3 , in which diagram XO_2 represents a substance chosen from the group consisting of SiO_2 and SiO_2 plus a minor proportion of ZrO_2 , Y_2O_3 represents a substance chosen from the group consisting of Al_2O_3 and Al_2O_3 plus a minor proportion of B_2O_3 and ZO represents the sum of at least three alkaline earth oxides each constituting at least one mol per cent of the composition, and which ceramic material contains no more than a small amount of alkali metal oxide.

2,386,634

FLEXIBLE ELECTRICAL INSULATING LAYER

Preston Robinson, Williamstown, Mass., assignor to Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts
Application March 20, 1940, Serial No. 325,043
6 Claims. (Cl. 204-181)



2. The method of applying to a flexible electrical conductor an insulating layer comprising the steps, forming in a suspension medium a suspension of a finely divided refractory material, comprising a vitreous enamel, and a finely divided elastomer, said refractory material and elastomer being in said suspension in a ratio greater than 5 to 1 respectively and less than 20 to 1 respectively, and electrophoretically depositing from said suspension a layer on said flexible electrical conductor which comprises in excess of 80% by weight of said refractory material.

2,386,635

CHEMICAL PROCESSES

Hans R. Rosenberg, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 17, 1941, Serial No. 415,490
3 Claims. (Cl. 260-397.2)

1. A process for producing 7-dehydro-cholesterol which comprises dissolving in an organic solvent a member selected from the class consisting of cholesterol and its carboxylic acid esters, heating said solution in the presence of an oxidizing agent, separating from the reaction mixture the so-produced 7-hydroxy cholesterol, converting said compound to 7-hydroxy-cholesterol dibenzoate, thermally decomposing said diester to produce 7-dehydro-cholesterol-benzoate, and saponifying said product to produce 7-dehydro-cholesterol.

2,386,636

NEW STEROL DERIVATIVES

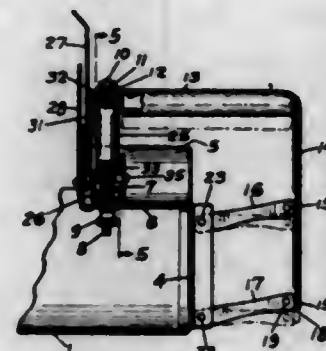
Hans R. Rosenberg and Stockton G. Turnbull, Jr., Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 1, 1943, Serial No. 471,060
3 Claims. (Cl. 260-397.2)

3. A process which comprises reacting a 3-ether of 7-keto cholesterol with aluminum isopropoxide in anhydrous isopropanol to reduce the 7-keto group to the 7-hydroxyl group, esterifying said 7-hydroxy group with benzoyl chloride, heating the resulting compound in the presence of a diluent comprising dimethyl aniline to split off the benzoyl radical in the 7-position in the form of benzoic acid with the production of a 3-ether of 7-dehydro cholesterol.

2,386,637

WEIGHING SCOOP

Raymond F. Shipman, Kearny, N. J., assignor of one-half to Fred A. Cummings, Maybrook, N. Y.
Application December 30, 1944, Serial No. 570,572
11 Claims. (Cl. 265-67)

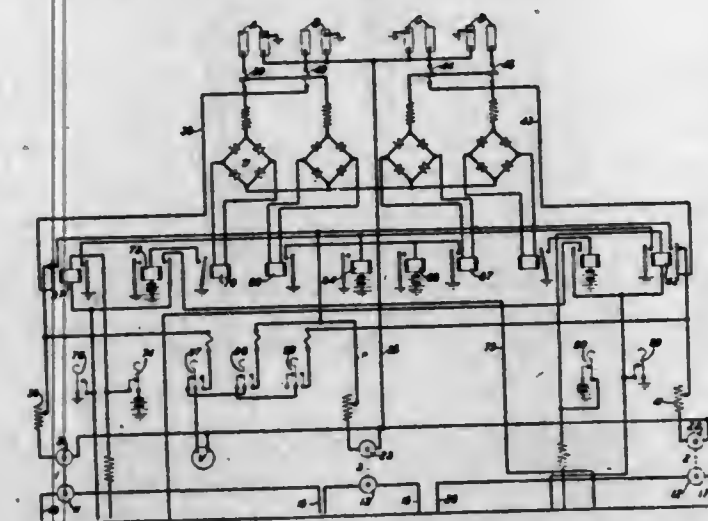


9. A weighing scoop having a bottom with up-turned sides and a closure end, a cover over the rear end of the scoop and extending forwardly, a vertically positioned coil spring mounted on the cover at a point substantially over the center of gravity of the load carried by the scoop, an L-shaped handle having one arm thereof fastened to the upper end of the spring and extending rearwardly over and beyond the cover and having a downwardly extending arm pivotally connected by link members to the closure end, a pointer operatively connected to the inner end of the rearwardly extending handle arm and a scale mounted to cooperate with the pointer.

2,386,638

POWER PLANT

Harry H. Spencer, Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 9, 1944, Serial No. 521,649
9 Claims. (Cl. 290-30)

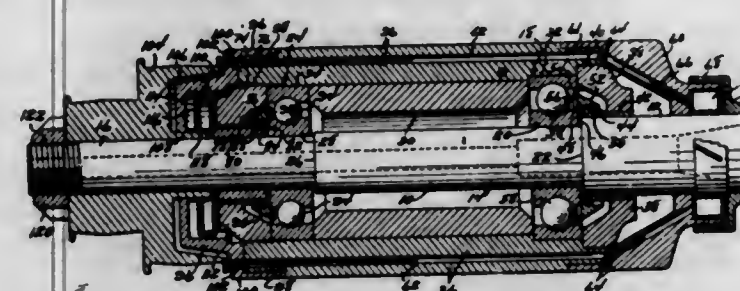


1. In a power supply system in which a storage battery is charged at recurring intervals the occurrences of which intervals are determined by the voltage condition of the battery, duplicate means for charging the battery, control means for automatically rendering each of said duplicate charging means operative to charge said battery only during different alternate intervals whereby neither of said duplicate charging means operates to charge said battery during successive intervals, and means responsive to the battery voltage for controlling said control means.

2,386,639

HIGH-SPEED GRINDING SPINDLE

Jean C. Stafford, Dayton, Ohio
Application January 5, 1943, Serial No. 471,337
2 Claims. (Cl. 308-76)



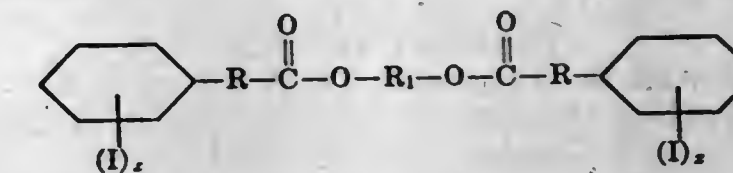
1. In a high speed grinder, a stationary tubular housing, caps on the front and rear ends of the housing, a spindle extending axially through the housing and caps, the spindle being adapted to carry a grinding wheel on its front end, a pulley on the rear end of the spindle, axially spaced front and rear bearing units within the housing for rotatably supporting the spindle, a dirt collector surrounding the spindle within the rear cap, a fan housing carried by the front cap in surrounding relation to the front end of the spindle, the fan housing being provided at its rear side with air intake means and at its front side with air discharge means, the spindle housing being provided with longitudinal passages opening to the atmosphere at the rear end of the spindle housing and communicating at their front ends with the air intake means of the fan housing, and fan blades carried by the spindle for rotation thereby to cause air to flow through said passages to and through the fan housing at the front end of the spindle.

2,386,640

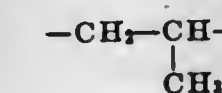
BIS ESTERS OF IODINATED PHENYL ALIPHATIC CARBOXYLIC ACIDS

William H. Strain, Rochester, N. Y., John T. Plati, Passaic, N. J., and Stafford L. Warren, Oak Ridge, Tenn., assignors of one-half to Noned Corporation, and one-half to Eastman Kodak Company, both of Rochester, N. Y., a corporation of New Jersey
No Drawing. Application May 5, 1944, Serial No. 534,348
5 Claims. (Cl. 260-476)

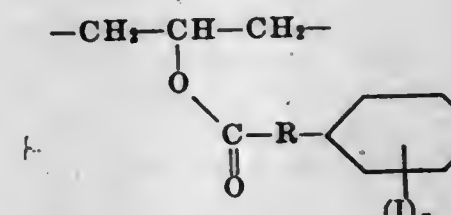
1. The bis esters having the following general formula:



wherein R represents a member selected from the group consisting of saturated acyclic hydrocarbon groups having not less than 4 carbon atoms and not more than 18 carbon atoms, x represents a whole number not greater than 3, and R₁ represents a divalent radical selected from the group consisting of $-\text{CH}_2-\text{CH}_2-$, $-\text{CH}_2-\text{CH}_2-\text{CH}_2-$,



and

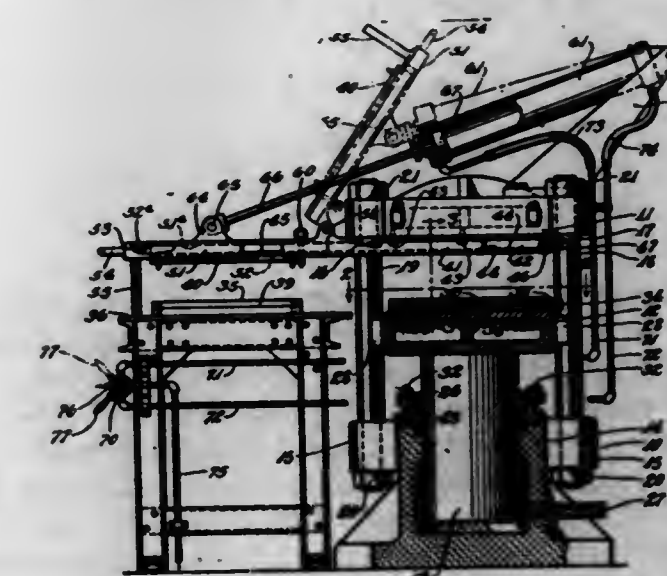


wherein R and x have the values given above.

2,386,641

MOLDING APPARATUS

Frank E. Trockle, Everett D. McClellan, and William D. Simpson, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application January 11, 1944, Serial No. 517,790
6 Claims. (Cl. 18-16)



3. Molding apparatus comprising a molding press having upper and lower platens, the lower of which is movable toward and from the upper, a table having a top level with the lowermost position of the lower platen and adjacent thereto, parallel guide rails on the lower platen for positioning a mold plate within the press and guiding it to the table, parallel guide rails on the upper

platen for positioning a second mold plate within the press, extension rails hinged to the rails on the upper platen for positioning a mold plate within the press and guiding it to a position over the table, legs for supporting said extension rails from said table in horizontal position, means for locking the upper mold plate within said extension rails against sliding movement, and means for moving said extension rails angularly about their hinge connection with the mold plate locked therein to increase the accessibility of the face of the mold plate.

2,386,642 DISPLAY DEVICE

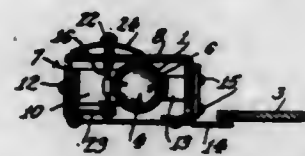
Frank H. Waggoner, Pearl River, N. Y.
Application October 16, 1942, Serial No. 462,271
2 Claims. (Cl. 40-124.1)



1. In a display card, the combination of a base element, a display element connected therewith and adapted to turn up at right angles thereto, a locking cut out and projecting element at each end of said display element, brace elements at each end of said base adapted to fold back on themselves and form back turned portions, the outer ends of said back turned portions again folding upwardly and having slots therein adapted to fit over said display projecting elements and the upper ends of said brace elements locking positively into said cut outs on each end of the display element.

2,386,643 PRECISE LEVEL DETERMINATION APPARATUS

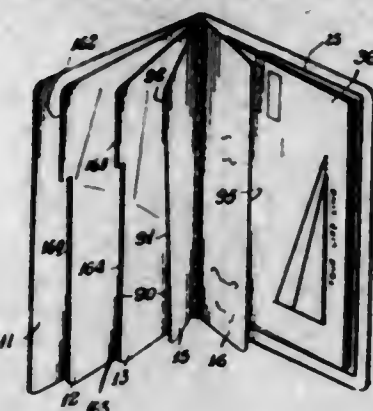
Charles F. Wallace, Westfield, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application September 14, 1944, Serial No. 554,097
8 Claims. (Cl. 73-314)



1. Apparatus for the precise determination of the level of a column of liquid in a tube having a scale associated with said tube, comprising an element constructed and arranged to float in the liquid in said tube, said element having a portion at least which is permanently magnetized, a supporting member slidably mounted outside of said tube for manual movement therealong, an index member secured to said supporting member and cooperable with said scale, means pivotally mounted in said supporting member and including an armature of magnetic material cooperable with the permanently magnetized element, an index pointer constructed and arranged to be moved by said pivotally mounted means, and a second scale on said supporting member and visually cooperable with said index pointer.

2,386,644 CHART

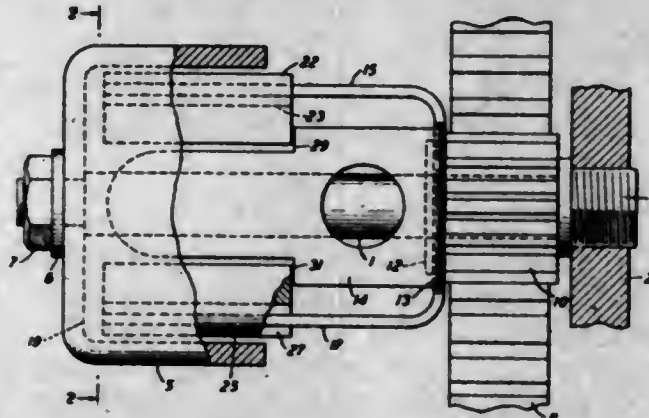
Ben H. Williams, New York, N. Y., assignor to The Mutual Life Insurance Company of New York, New York, N. Y., a mutual life insurance company of New York
Application April 27, 1943, Serial No. 484,697
4 Claims. (Cl. 35-24)



1. In combination, a book having a cover, means on said cover for positioning a chart thereon, a chart removably positioned by said means, said book having a plurality of pages overlying said chart, and a binding securing said pages and said cover in rotatable relation to each other, said chart having thereon a plurality of marks; said marks being narrow and extending across said chart in directions substantially non-perpendicular to the binding, each page having an edge portion corresponding in shape and length to a mark on said chart, the page closest to said chart having an edge similarly corresponding to a mark, the mark on said chart most closely adjacent to said binding being visible beyond the edge of said page; successive pages above said first mentioned page having edges similarly corresponding to respective marks and located successively farther from said binding, and each edge leaving its corresponding mark in view.

2,386,645 SPEED REGULATING DEVICE

Ernest P. Williams, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 24, 1942, Serial No. 466,822
4 Claims. (Cl. 188-184)



1. A governor comprising a rotatable member, a stationary drum, two weights inside said drum having outside surfaces conforming approximately with the inside surface of the drum, a bracket secured to said member and having four arms extending inside said drum to form approximately a square enclosing said weights, two of said arms engaging outside opposite depressions in said two weights and the other two arms located between the two weights so that said weights are loosely held with the curved surfaces facing the inside surface of the drum to frictionally engage said surface under the influence of centrifugal force acting on said stream weights when said member and bracket are rotated to regulate the speed of said member.

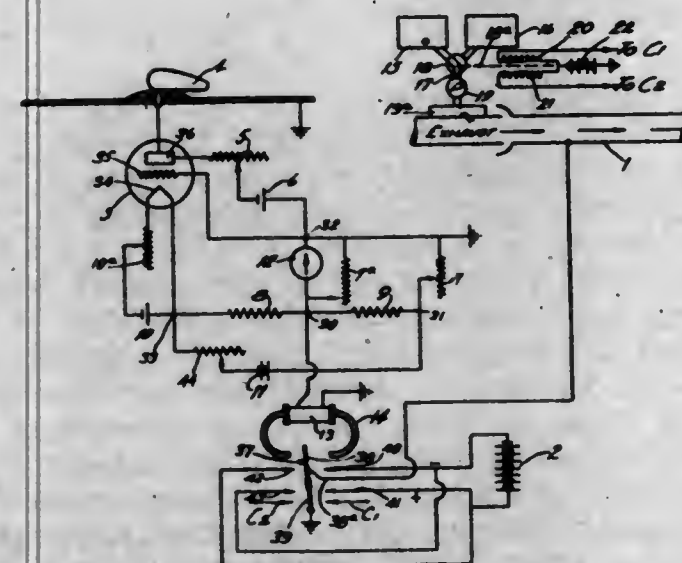
2,386,646 STABILIZATION OF COLORING COMPOSITIONS CONTAINING DIAZONIUM SALTS

Frederic H. Adams, Bound Brook, Hans Z. Lecher, Plainfield, and William B. Hardy, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 5, 1943, Serial No. 493,592
11 Claims. (Cl. 8-44)

2. A printing paste containing a carbohydrate thickener, at least one water soluble diazonium salt derived from an ice color diazo component and an organic compound having not more than 16 carbon atoms belonging to the group consisting of organic nitrogenous bases soluble in aqueous mineral acids and containing at least one olefinic double bond for 12 carbon atoms, organic nitrogenous bases soluble in aqueous mineral acids containing at least one acetylenic triple bond for 12 carbon atoms, and water soluble salts of the above bases, this compound being free from constituents capable of azoic coupling, of condensation with the diazonium salt to form diazo-amino or diazoimino compounds under acid conditions, or catalytically decomposing the diazonium salt at room temperature, the amount of the nitrogenous base present being sufficient to substantially inhibit thinning of the carbohydrate thickener.

2,386,647 METHOD AND APPARATUS FOR DETECTING AND NEUTRALIZING STATIC CHARGES ON AIRCRAFT OR THE LIKE

Gilbert J. C. Andresen, Port Clinton, Ohio
Application February 24, 1941, Serial No. 380,400
11 Claims. (Cl. 175-264)



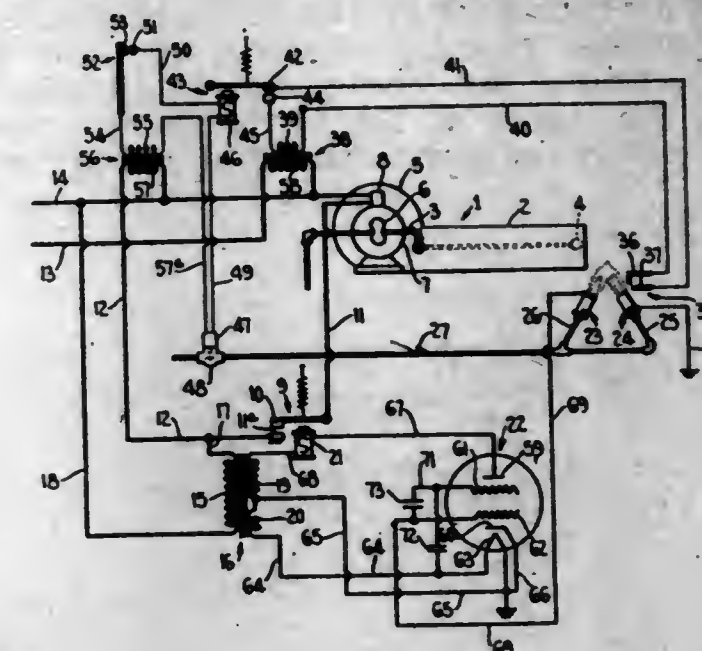
1. The method of neutralizing a static charge on an aircraft having an internal combustion engine, which includes creating ions in the exhaust gases of the engine of a sign opposite to the sign of the static charge, and directing the charge of the created ions into the aircraft to neutralize the static charge thereon.

2,386,648 CONTROL DEVICE

Fred B. Aubert, Grosse Pointe, Mich.
Application March 7, 1942, Serial No. 433,705
15 Claims. (Cl. 158-28)

1. A control device comprising a plurality of gaseous fuel burners so constructed and arranged that a fuel stream discharging from one of said burners impinges against a fuel stream discharging from another of said burners, means to produce flame sizes substantially equal to each other

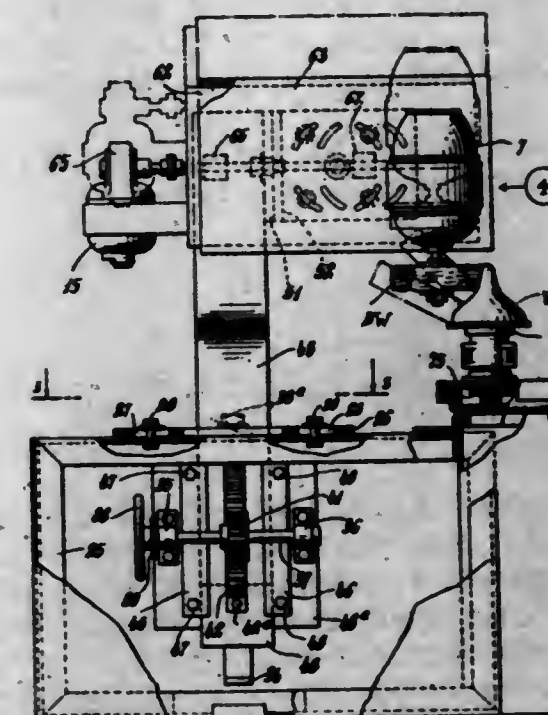
at said burners and to supply said burners with the same kind of gaseous fuel, a control means, an electrical conductor operable to connect the flame of one of said burners to said control means,



and an electrical conductor to connect the flame of the other of said burners to ground, the impingement of said flames closing the circuit between said conductors thereby to render said control means effective.

2,386,649 AUTOMATIC MULTIPLE BUFFING MACHINE

Paul J. Belcourt, Meriden, Conn.
Application July 20, 1943, Serial No. 495,473
13 Claims. (Cl. 51-108)



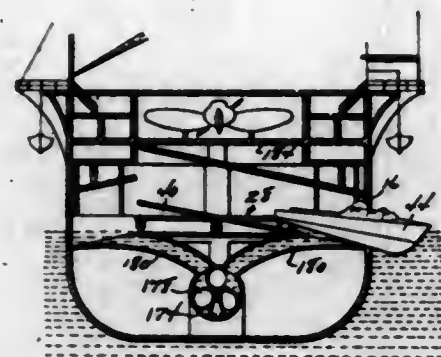
1. In an automatic buffering machine, a bottom support frame, a post mounted in said frame and projecting upwardly out of the top thereof, a carriage for a motor-driven buffering wheel mounted for universal adjustment upon the top of said post, means within said frame for adjusting the elevation of said post, and other means in said frame for swinging said post within limits about a vertical axis.

2,386,650 MOTHER SHIP

Leroy V. Bell, Wakefield, R. I.
Application March 11, 1943, Serial No. 478,805
5 Claims. (Cl. 114-43.5)

1. A mother ship construction for receiving, storing and launching small boats, comprising a

hull formed with a plurality of door openings, partially below the water line to receive and discharge small boats therethrough, a deck-like structure within the hull formed with a turntable section, tracks on the turntable section, means for tilting the tracks on the turntable section, inclined channels leading from the turntable section to the doors and having tracks with which the tracks of the turntable are adapted to selectively register when tilted, cradles on the



tracks for receiving boats thereon, means for moving the cradles to draw boats up the tracks in the channels and onto the turntable, storage deck-like structures having tracks selectively aligning with those on the turntable, doors for the hull openings, means for delivering water to boats on the cradles in the channels in the area about the doors to facilitate launching and receiving boats on the cradles, said means including water ducts and propellers within the hull.

2,386,651

VARIABLE VOLTAGE DIVIDER

Ernest W. Bisson, Albany, N. Y., assignor to General Electric Company, a corporation of New York

Application October 15, 1943, Serial No. 506,397
5 Claims. (Cl. 178-44)



5. A variable capacitive voltage divider comprising a pair of mechanically interconnected capacitors oppositely variable over their operating range and connected in series circuit relation, a second pair of mechanically interconnected capacitors oppositely variable over different portions of their operating range and connected in parallel circuit relation, and control means interconnecting said pairs of capacitors for simultaneous capacitance variation.

2,386,652

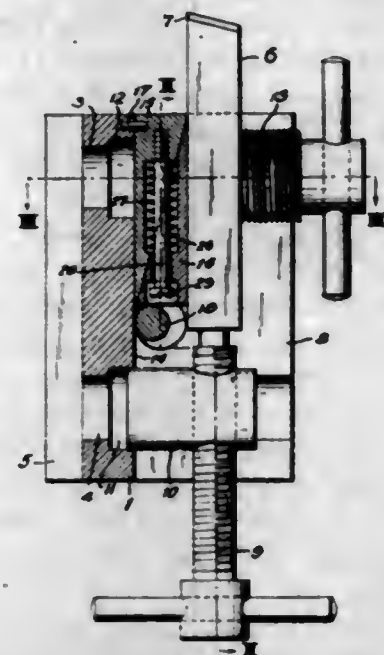
SHEARING AND PUNCHING MACHINE FOR SHEET METAL

Ernst Linus Sigfrid Borg, Gothenburg, Sweden, assignor to Fabriksaktiebolaget Haldatameter, Holmstad, Sweden, a company of Sweden

Application March 9, 1944, Serial No. 525,738
In Sweden April 19, 1943
7 Claims. (Cl. 164-58)

1. A tool holder for the stationary tool of sheet metal shearing machines and the like, provided with a stationary and a movable tool including means for effecting adjustment of the stationary

tool sideways relatively to the movable tool in the form of a wedge member bearing on the side



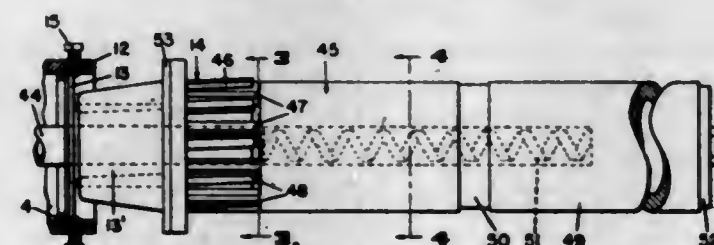
of the stationary tool and adjustable in the direction of movement of the movable tool.

2,386,653

MANUFACTURE OF TUBULAR PRODUCTS

Francis C. Browne, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Application October 22, 1941, Serial No. 416,089
5 Claims. (Cl. 93-80)



1. In an apparatus for the manufacture of a tubular article by winding strip material in overlapping helical turns, the improvement in means for supporting and positively advancing the tubular article in a direction parallel to its longitudinal axis comprising a cylindrical member mounted for rotation, one end of which is characterized by a periphery having a plurality of axially spaced slots, a second member of generally circular cross section having a periphery of a plurality of axially extending bars adapted to fit in said slots of said cylindrical member, said second member being mounted for rotation about an axis that is offset and inclined to the axis of said cylindrical member and adapted to positively advance the tubular article over the periphery of said cylindrical member.

2,386,654

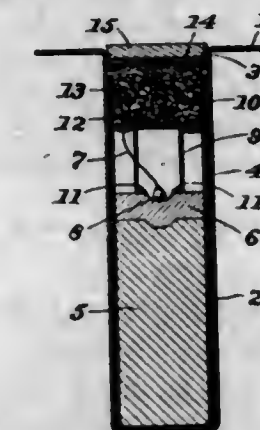
CHEMICAL IMMERSION HEATER

Walter Anderson Caldwell, West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

Application July 8, 1943, Serial No. 493,904
In Great Britain March 24, 1942
5 Claims. (Cl. 126-263)

1. A chemical immersion heater comprising a container having venting means at its upper end communicating with the exterior thereof, a charge compacted in the lower end of said container including a heating composition comprising at least in part a packed mixture of solid ingredients adapted on ignition to react exothermically to yield a molten slag as the principal product of their reaction, a spacer body adapted to

permit gas to flow past it, supported by and in direct contact with the said heating composition, and a gas permeable cooling filter interposed between the said spacer body and the said venting

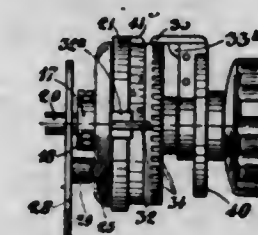


means, and comprising a mass of loose incombustible material pressed into the form of a plug, completely filling the upper end of the container immediately below the venting means and supported by the said spacer body.

2,386,655

DEVICE FOR LOCKING PLATENS OF TYPEWRITERS

Jules Paul Camzi, Geneva, Switzerland
Application December 6, 1943, Serial No. 513,104
In Switzerland March 15, 1943
7 Claims. (Cl. 197-141)



1. A platen roller feed regulating device for typewriters comprising an internally toothed crown coaxial with the platen roller, said crown having a series of notches around its periphery, an intermediary pinion in constant engagement with the teeth of said crown, said pinion being rotatable by said platen roller to turn said crown at slow speed relatively to said roller, a stop member rotating with said crown, said stop member being settable coaxially with said crown to engage any of the notches therein, and a fixed stop in the path of said rotating stop member and arranged to block further movement thereof and of the platen roller when said platen roller has turned through a predetermined angle of paper feed.

2,386,656

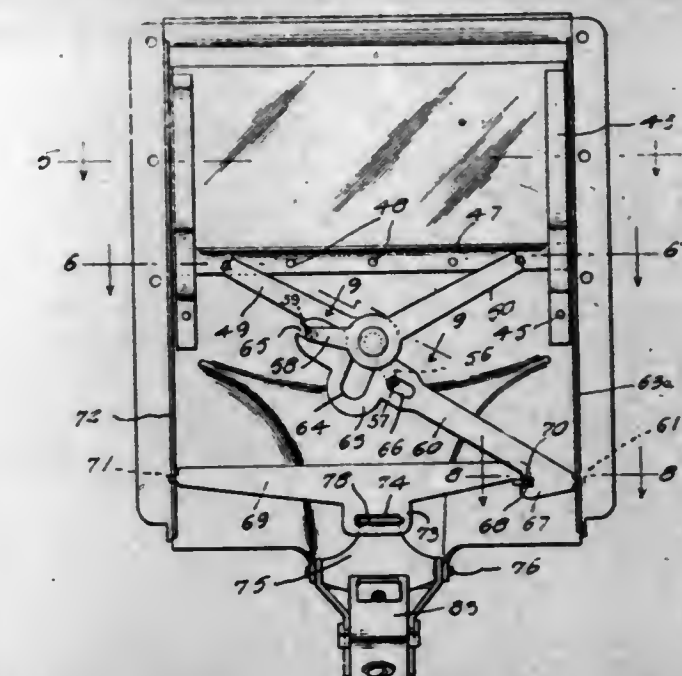
WELDER'S HOOD

Stanley H. Carlson, Seattle, Wash., assignor, by mesne assignments, to Flex-Weld Corporation, a corporation of Washington

Application May 23, 1944, Serial No. 536,987
4 Claims. (Cl. 2-8)

1. An attachment for a welder's hood comprising a housing for attachment to the inner side of the front wall of the hood, said housing including front and rear walls and opposite side walls, said front and rear walls having aligned window openings therein, a U-shaped panel carrier slidable in said housing, a dark glass panel carried by said carrier, a top wall pivotally carried by said housing above said carrier, a pair of rock levers rockably carried by said housing, a pin carried by an end of each lever and engaging said carrier, an extension carried by each lever, a pin carried by said extension, a pitman

rockably carried by said housing having slots in which said latter pins engage, a second pitman rockably carried by said housing engaging first pitman in a manner whereby rocking of said second pitman will rock said first pitman, an extension carried by second pitman between the

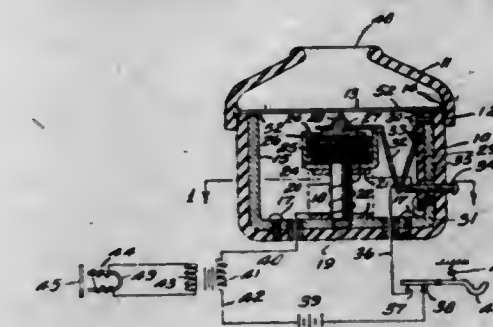


ends thereof, and an operating lever pivotally carried by said housing and operatively connected to said latter extension, a spring engaging said operating lever whereby to normally maintain said carrier in an uppermost operating position with said panel in registry with said openings.

2,386,657

AMPLIFYING TRANSMITTER

William P. Carstarphen, Denver, Colo., assignor of one-third to Litta Willis, South Bend, Ind., and one-third to Olive Daniels, Denver, Colo.
Application January 3, 1944, Serial No. 516,895
9 Claims. (Cl. 179-104)



2. A sound amplifying device comprising, in combination, an electromagnet comprising a core and a magnetizing coil, an armature operatively associated with the core and spaced therefrom, a pressure responsive resistance element positioned between the core and the armature to be compressed by the latter when it is attracted by the electromagnet, an electric circuit comprising the resistance element and the magnet coil in series, a source of direct current in series in the circuit, and means comprising a sound responsive diaphragm for moving the armature to vary the compression of the resistance element.

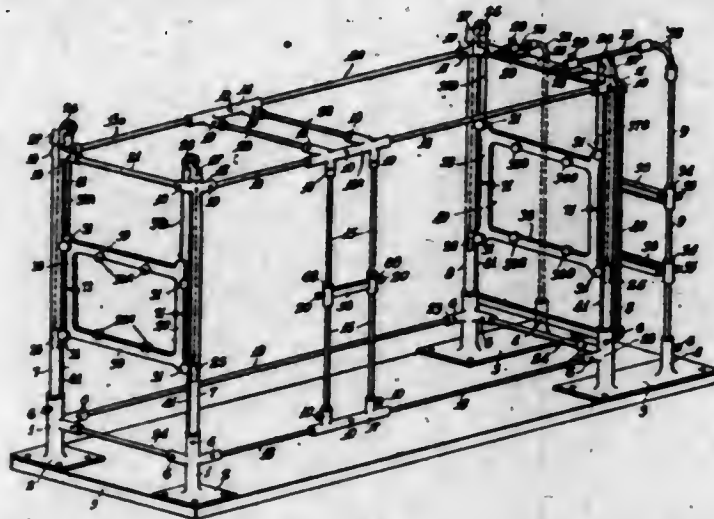
2,386,658

APPARATUS FOR PRODUCING RADIOGRAPHS

Maurus Leonard Baradat Joseph Caspersz, Maradana, Colombo, Ceylon
Application September 30, 1942, Serial No. 460,244
In Ceylon September 15, 1941
1 Claim. (Cl. 250-65)

Radiant energy control apparatus comprising a source of radiant energy, a hollow radio opaque

shield having one end fitted over said energy source and forming an extension thereof, a radio opaque diaphragm located in the opposite end of said shield and having a slot therein, said diaphragm being adjustable to dispose the slot horizontally, or vertically, and means to impart vertical or horizontal movement to the shield, energy source and diaphragm as a unit through a selected



distance in a predetermined time whereby a beam of radiant energy passing through the horizontally disposed slot may be moved vertically and a beam of radiant energy passing through the vertically disposed slot may be moved horizontally to produce two radiographs in one of which the horizontal measurements and in the other of which the vertical measurements of an object are accurate.

2,386,659

DIELECTRIC MATERIAL

Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Application November 8, 1941, Serial No. 418,426

4 Claims. (Cl. 252-63)

1. A capacitor dielectric detached sheet material consisting exclusively of cellulose acetate having about 5 to 15 per cent by weight of magnesium oxide dispersed therein.

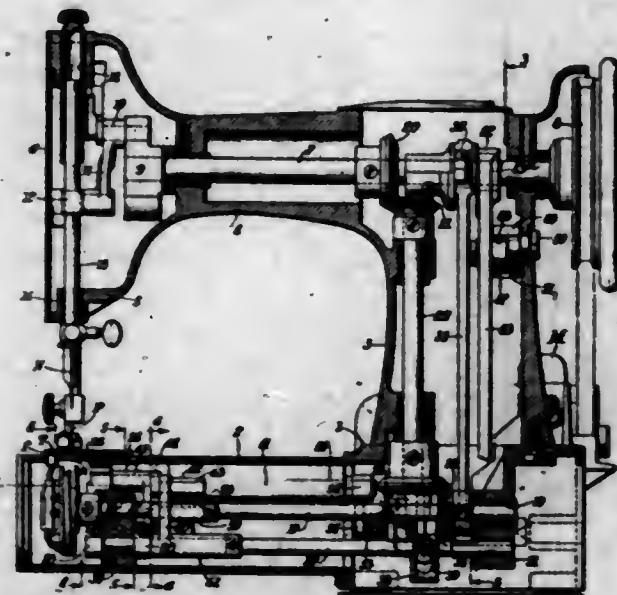
2,386,660

FEEDING MECHANISM FOR SEWING MACHINES

Andrew B. Clayton, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application November 27, 1944, Serial No. 565,213

13 Claims. (Cl. 112-215)



1. A work-feeding mechanism for sewing machines comprising a feed-drive shaft; a feed-

lift shaft; means to actuate said shafts; an upright feed-bar; a feed-dog carried by said feed-bar; means actuated by said feed-drive shaft and connected to the upper and lower ends of said feed-bar for giving to the feed-bar and the feed-dog carried thereby feed and return movements; and means actuated by said feed-lift shaft and connected to said feed-bar to give to the feed-bar up and down movements in timed relation with its feed and return movements.

2,386,661

IMPROVED BUTADIENE-ACRYLONITRILE COPOLYMERS

Albert M. Clifford, Stow, and William D. Wolfe, Cuyahoga Falls, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application May 22, 1942, Serial No. 444,092

1 Claim. (Cl. 260-84.5)

A rubber-like copolymer containing in interpolymerized relation about 60 to 75 parts of butadiene-1,3, about 40 to 25 parts of acrylonitrile and about 1% to 3% of the total weight of butadiene and acrylonitrile of methyl methacrylate, said copolymer being more workable than the same copolymer prepared without the addition of acrylate.

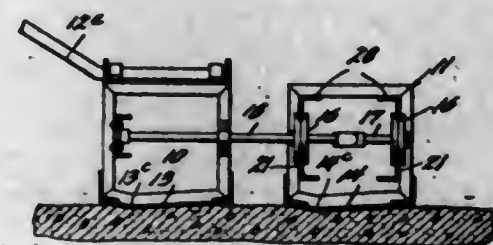
2,386,662

CONCRETE PLANING MACHINE

Gregory F. Crock, Atlanta, Ga., assignor to General Floor Company, New York, N. Y., a corporation of Delaware

Application March 16, 1942, Serial No. 434,941

6 Claims. (Cl. 94-45)



2. A concrete smoothing member having an elongated work-engaging undersurface, said undersurface comprising two relatively inclined portions which intersect along a substantially straight line slightly inclined to the major axis of said member both portions of said undersurface being slightly inclined to the horizontal when said member is positioned to smooth the horizontal surface of a slab.

2,386,663

EDGE SCRAPER FOR ELECTROLYTIC TINNING LINES AND THE LIKE

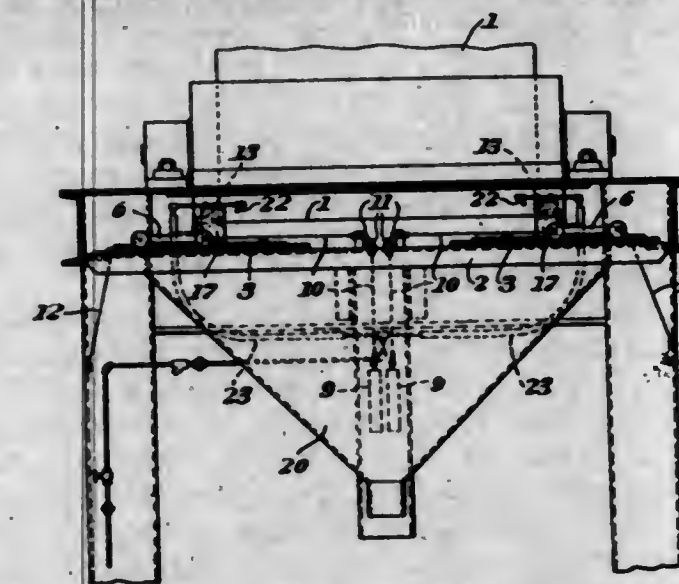
Robert S. Deans, Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey

Application November 16, 1944, Serial No. 563,787

6 Claims. (Cl. 15-3)

1. An edge scraper for electrolytic tinning lines and the like wherein the tin plate is conveyed and processed in strip form, including a carriage mounted for movement transversely of the strip, a scraper wheel freely rotatable on the carriage and positioned for rotation by periph-

eral contact thereof with the moving edge of the strip, and means actuating the carriage for



maintaining the scraper wheel in contact with the said strip edge under substantially constant pressure.

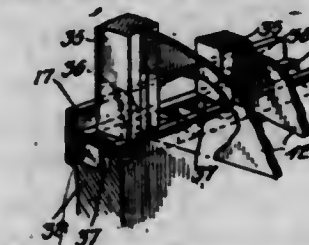
2,386,664

CABINET

Harry Derman, Great Neck, N. Y.

Application October 22, 1943, Serial No. 507,236

9 Claims. (Cl. 160-201)



2. In collapsible cabinets having a front door opening bordered at upper and lower ends by grooved rails, a door unit for controlling said opening, said unit comprising hingedly coupled side sections, the free edge portions of the door sections having means for pivotally and slidably mounting the same in the grooves of said rails, and said means comprising shoes slidably engaging the grooved rails and pins on the door sections and engaging said shoes.

2,386,665

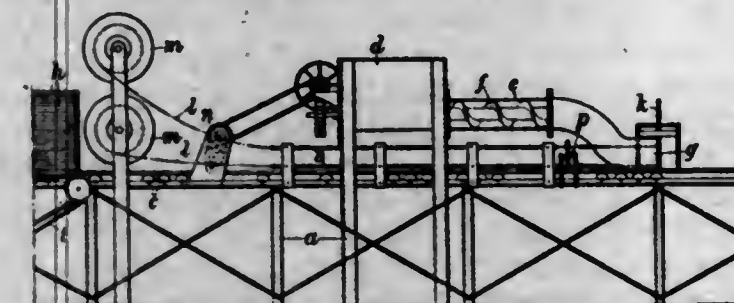
EXTRUSION APPARATUS FOR MOLDING BLOCKS, TUBES, AND THE LIKE

William Alphonse de Vigier, Northwood, England, assignor of one-half to Acrow (Engineers) Limited, Northwood, Middlesex, England

Application December 20, 1943, Serial No. 515,014

In Great Britain December 7, 1942

4 Claims. (Cl. 25-14)



1. An apparatus of the character described comprising in combination a frame work provided with a guideway, a nozzle shaped to the cross section of the article to be formed mounted on the frame work above the guideway, a hopper at the rear end of the guideway, a stack of pallets within the hopper, means for continuously feeding the lower-most pallets from the bottom of the stack in end abutting relation to the guideway to effect continuous movement of the pallets beneath the nozzle, and means governed by the pallet for cutting the material extruded from the nozzle to the required length.

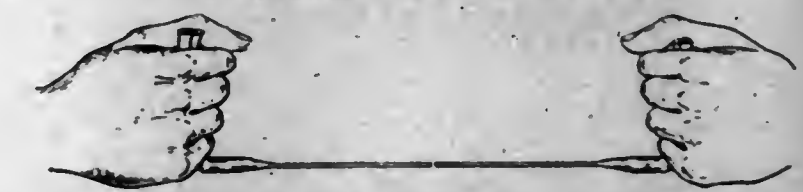
2,386,666

THREADLIKE STRUCTURE

Ray P. Dinsmore, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Original application December 20, 1935, Serial No. 55,392. Divided and this application April 9, 1940, Serial No. 328,687

6 Claims. (Cl. 18-48)



1. The method of producing a thread-like structure of a rubber hydrohalide which comprises compacting a solvent-free strip of the rubber hydrohalide throughout its length and stretching it to increase its tensile strength.

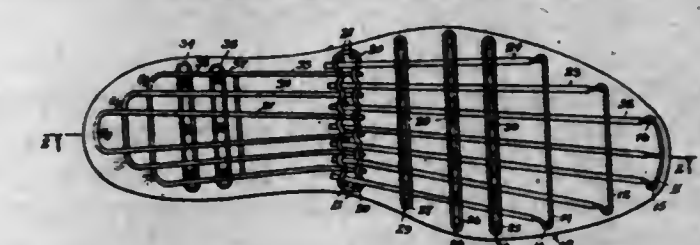
2,386,667

SHOE SOLE

William H. Doherty, Elmhurst, N. Y.

Application October 20, 1943, Serial No. 506,932

7 Claims. (Cl. 36-30)



1. A shoe sole having a frame made up of a plurality of overlapping members running longitudinally and laterally of the sole, said frame having a heel and foot portion slidably connected, and the members constituting the longitudinal members of said foot portion being slidably mounted.

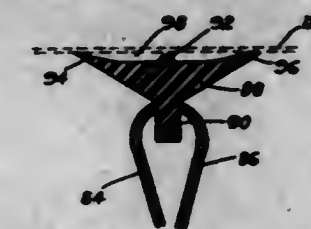
2,386,668

PISTON

Raymond M. Douglas, Alpena, Mich., and Ralph S. Huyck, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application July 10, 1942, Serial No. 450,376

11 Claims. (Cl. 309-4)



7. In a double-acting double-ended pressure differential operated motor a piston comprising a disk shaped body member of metal and a flexible annulus of synthetic rubber chemically bonded to the periphery of said member, said annulus being substantially triangular shaped in cross section, its outer face being so recessed as to provide two lip members one or the other of which is bent, when the motor is energized, to provide a seal and prevent a flow of air from one compartment of the motor to the other.

2,386,669

ENGINE CONTROL DEVICE

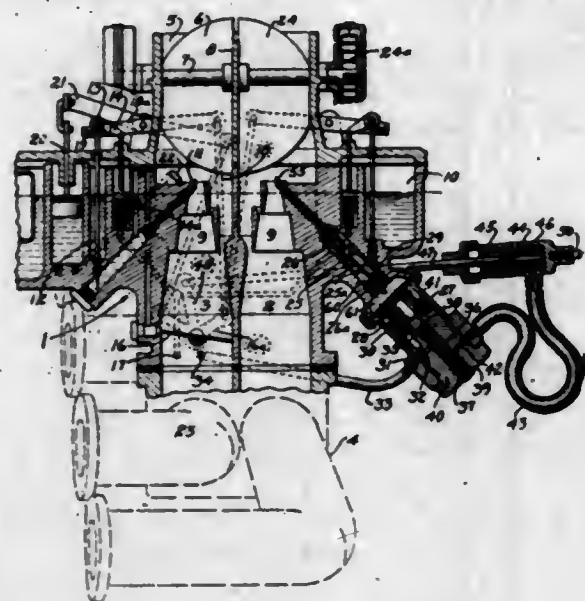
George R. Ericson, Kirkwood, Mo.

Application April 20, 1943, Serial No. 483,795

26 Claims. (Cl. 123-127)

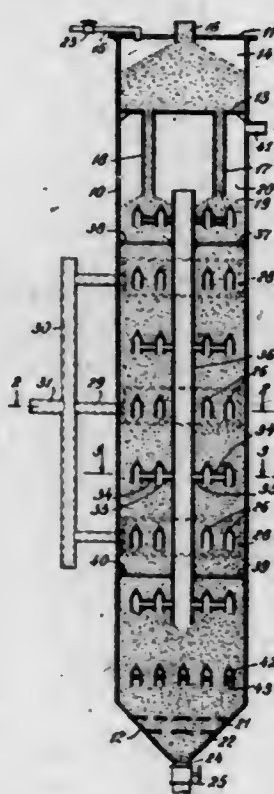
1. In combination with an internal combustion engine intake conduit having a fuel control valve,

a device movable responsive to engine suction for actuating said valve, and valve means operable with said device to change the effective pressure



conditions applied thereto as said valve approaches and leaves its seat whereby different pressure conditions are required for closing said valve than for opening the same.

2,386,670
METHOD AND APPARATUS FOR CONTACTING GASES WITH A SOLID MATERIAL
Louis P. Evans, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application June 21, 1944, Serial No. 541,426
12 Claims. (Cl. 196-52)

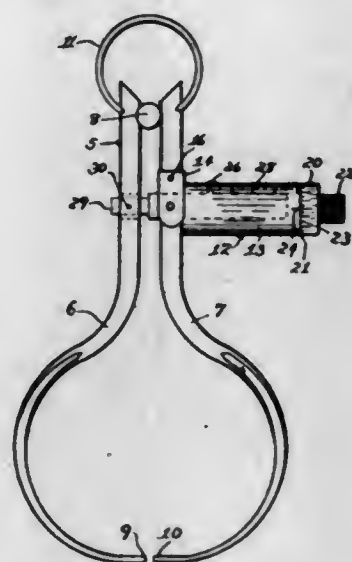


1. An apparatus for contacting gases with a particle form solid material comprising: means defining an elongated, closed upright vessel, means to introduce particle form solid material into said vessel at a level below the upper end thereof at a rate sufficient to provide a substantially compact column of solid material within said vessel below the inlet level, thereby providing a gas disengaging zone, within the upper section of said vessel above said level of solid introduction, means to withdraw solid material from the lower end of said vessel, at least one gas collecting conduit within said vessel extending upwardly therewithin below said disengaging zone and terminating within the lower section of said disengaging zone, means to introduce gas into said solid material column at a plurality of verti-

cally spaced levels within said vessel, a plurality of rows of gas collecting members vertically spaced from said gas introduction means so as to provide a plurality of superimposed zones for substantially vertical gas flow through said column between said gas introduction means and said gas collecting members, gas passage defining means between each gas collector trough and at least one gas collector conduit, gas outlet means from said vessel adjacent the upper end of said disengaging zone.

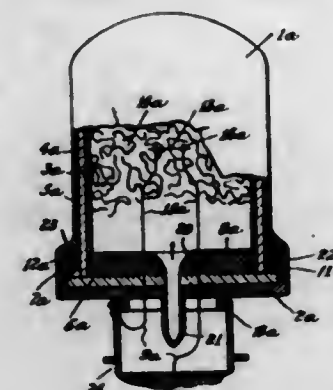
7. A method for contacting gases with a particle form solid material comprising: passing said particle form solid material through a series of superimposed contact zones as a substantially compact column of downwardly flowing solid material, while providing a substantially solid material free solid settling zone directly above the surface of said column of solid material, passing a contacting gas through each of said contact zones in a substantially vertical direction, conducting the contact gas from said zones through at least one confined passage from which solid material is excluded into the lower section of said solid settling zone so as to permit entrained solid material to settle to the surface of said column of solid material, and withdrawing the contact gas from the upper section of said solid settling zone.

2,386,671
MICROMETER INDICATOR FOR TOOLS
James A. Fillery, Philadelphia, Pa.
Application August 24, 1942, Serial No. 456,113
3 Claims. (Cl. 33-154)



1. A device of the kind described consisting of a hollow tubular body provided with a longitudinal slot, means to pivotally attach the inner end of said body to the leg of a tool, a sleeve rotatably mounted in said body and having internal and external threads, a head on the sleeve abutting the outer end of the body, a scale on the circumference of said head, a zero mark on the body with which said scale cooperates, a knob on the head whereby rotary motion may be imparted to the sleeve, a follower nut slidable lengthwise of the body in which it is mounted and having threaded connection with the exterior of the sleeve, a lug on said follower nut and projecting through the slot, a scale delineated on the outside surface of the body contiguous the slot and with which the lug cooperates, an adjusting screw having threaded engagement with the interior of the sleeve and protruding from the inner end of the body for coaction with another leg of a tool, and means to pivotally attach the protruding end of said adjusting screw to said other leg of the tool.

2,386,672
PHOTOFLASH LAMP
William Charles Fink, Brooklyn, N. Y., assignor to Wabash Appliance Corporation, Brooklyn, N. Y., a corporation of New York
Application December 11, 1943, Serial No. 513,823
12 Claims. (Cl. 67-31)



2. In a photoflash lamp, an envelope consisting of an inner and an outer layer of transparent plastic material of the same order of thickness and each self-supporting when formed into a lamp bulb, said layers contacting with one-another over a substantial portion of their surfaces, the inner layer being of organic and the outer layer of inorganic material, a filling of combustible material and combustion-sustaining gas within said envelope, an igniter embedded in said combustible material and lead-in wires projecting through both layers, connected to said igniter and sealed into the inorganic layer.

2,386,673
WINDING SLOT WEDGE
Frederick E. Fisher, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application June 10, 1944, Serial No. 539,763
6 Claims. (Cl. 171-252)



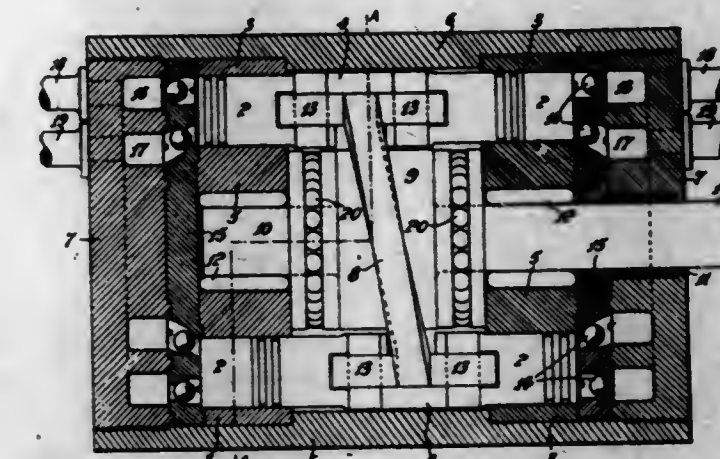
1. A wedge for dynamoelectric machine winding slots which includes a plurality of laminations of magnetic material extending transversely of said wedge along each side thereof, and a laminated non-magnetic metal portion arranged transversely intermediate said laminated magnetic material laminations and integrally connected to each of said magnetic material laminations.

2,386,674
PULVERULENT MATERIALS AND DISPERSIONS PRODUCED THEREOF
Collin Falconer Flint and Robert Bertram Fisher Frank Clarke, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application August 19, 1941, Serial No. 407,510. In Great Britain January 2, 1940
2 Claims. (Cl. 260-32)

2. An aqueous dispersion of polymers of ethylene of horny consistency and polyisobutylene, there being present from 5 to 15 parts by weight of polyisobutylene per 100 parts of the total weight of polymers of ethylene and polyisobutylene.

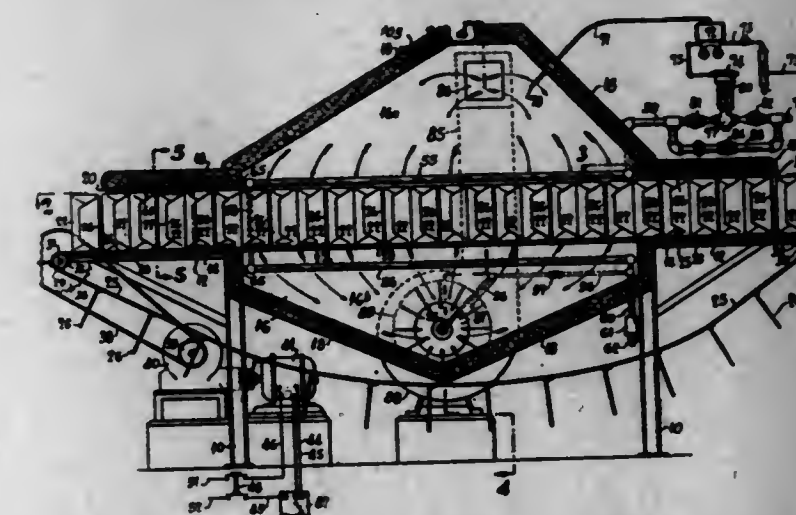
579 O. G.—20

2,386,675
PUMP OR COMPRESSOR
Reginald Clarence Ford, Allesley, near Coventry, England
Application February 18, 1944, Serial No. 522,946
In Great Britain February 20, 1943
2 Claims. (Cl. 103-173)



1. In a multiple pump of the character described, the combination of a stationary casing having a cylindrical bore, a shaft rotatably mounted co-axially therein, a cam secured to said shaft, a barrel plate fixed in said casing at each side of said cam and having a central hole to provide a bearing for said shaft, each of said plates also having an annular series of open-ended bores formed therein with their axes parallel with the axis of said shaft, said bores constituting pump barrels, a piston in the barrel of each series of said barrels, cross-heads severally connecting the pistons of one series of barrels at one side of said cam with the opposite pistons of the other series, each of said cross-heads having lateral extensions with radial edges in sliding contact with the edges of similar extensions on adjacent cross-heads for the purpose of preventing rotation of said pistons about their axes, rollers arranged between and in contact with each cross-head and said cam, and means for controlling the inlet and outlet of the working fluid to and from the barrels of each series thereof.

2,386,676
STERILIZING APPARATUS AND PROCESS
Charles A. French, Greenville, S. C.
Application October 12, 1942, Serial No. 461,821
4 Claims. (Cl. 21-56)



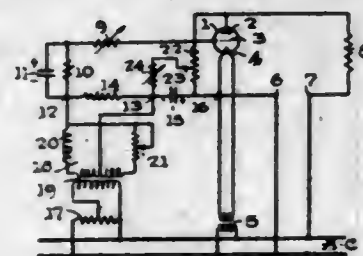
1. That method of sterilizing porous packages which comprises moving the packages in a continuous stream through a compartment, shielding the sides of the packages and forcing a sterilizing fluid through the exposed ends of the packages and through the contents of the packages and out through the other exposed ends of the packages.

2,386,677

PULSATING CIRCUIT AND CONTROL SYSTEM

Paul Glass, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois

Application December 2, 1942, Serial No. 467,669
13 Claims. (Cl. 315-199)



1. In combination, a gaseous discharge tube, a grid circuit for said tube including two series connected condensers, an anode circuit for said tube including a source of alternating current, a discharge path connected in shunt to each of said condensers, means for charging one of said condensers from said anode circuit in a direction to apply a negative potential to said grid, means for supplying an alternating current voltage wave to said grid circuit of the same frequency as said source, said alternating grid voltage wave serving to charge the other condenser in the opposite direction by the positive ion current flowing in said grid circuit during conduction of said tube and having an effective value greatly in excess of the value required to prevent firing of said tube when said wave is opposite in phase to the anode voltage wave, and means for variably shifting the phase of said grid voltage wave to thereby vary the effective value of the current in said anode circuit.

2,386,678

THREAD CONTROL DEVICE FOR SEWING MACHINES

Clarence R. Backlin, Floral Park North, N. Y., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York

Application May 28, 1942, Serial No. 444,827
19 Claims. (Cl. 112-248)



1. In a sewing machine, the combination of a frame; at least one rotatable take-up plate mounted on said frame, having a center of rotation; thread-engaging elements extending from opposite sides of said take-up plate, rotatable with and disposed eccentrically relative to the center of rotation of said take-up plate; a guard plate; first and second thread-guide means, relative to which said take-up plate rotates; and co-operating means on said frame and said guard

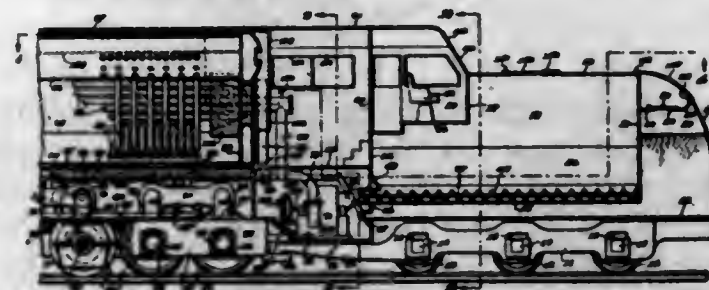
plate, defining a thread-receiving passage disposed radially outward from said take-up plate and extending from a location at one side of said take-up plate to a location at the opposite side of said take-up plate, whereby in threading, a thread may be readily directed from said first guide to one side of said take-up plate and to said second guide, and then from said second guide to the other side of said take-up plate.

2,386,679

LOCOMOTIVE

Edward Gray, deceased, late of Detroit, Mich., by Agnes Gray, administratrix, Grosse Pointe Park, Mich.

Application June 22, 1942, Serial No. 447,977
3 Claims. (Cl. 105-37)



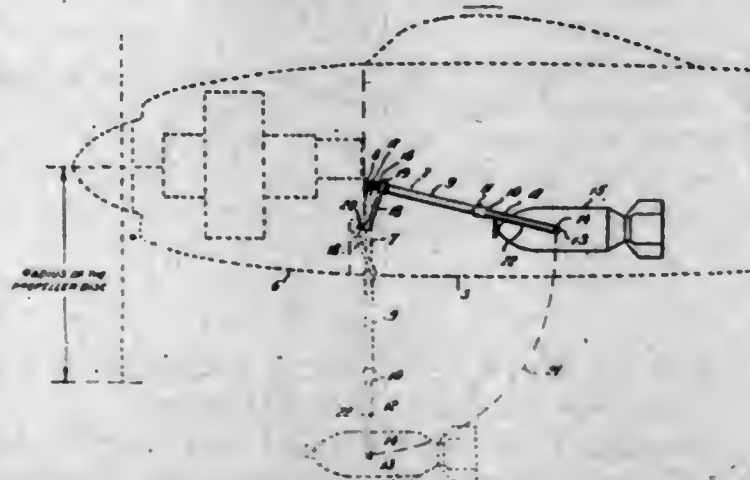
1. A combined locomotive and fuel tender, comprising a wheeled underframe, a boiler centrally of said frame having transversely disposed water tubes, a burner in the forward end of the boiler, a fuel reservoir spaced from and located forwardly of the boiler, means for feeding fuel directly to said burner including a screw conveyor, means interposed between the rear end of the screen conveyor and boiler and below the level of the conveyor for pulverizing the fuel before admission to the burner, top and side enclosure walls connecting the fuel reservoir and boiler, and a platform above the pulverizer extending between the boiler and fuel reservoir for providing a cab compartment space therebetween.

2,386,680

DISPLACING GEAR FOR BOMBS

Charles Grotke, Bristol, Pa., assignor, by mesne assignments, to Reconstruction Finance Corporation

Application July 29, 1942, Serial No. 452,675
12 Claims. (Cl. 89-1.5)



2. An aircraft including a bomb displacing gear, said gear comprising an extensible member pivoted to the aircraft, a fork at the free end of said member having recesses to engage a bomb, means permitting adjustment of the fork rotatively about the axis of the extensible member, a web having a bomb-engaging recess adapted to be secured across the arms of the fork, and means to positively extend the extensible member when the latter moves about its pivot.

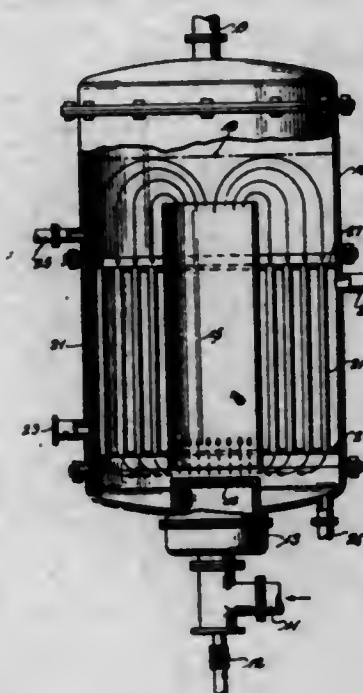
5. An aircraft including a bomb displacing gear, said gear comprising an extensible member pivoted to the aircraft, means on the extensible portion of said member to engage a bomb, and means to positively extend the extensible member when the latter moves about its pivot, including an arm pivoted to the aircraft on a center spaced from the pivot of the extensible member and so connected to the extensible member that it is moved by downward movement of the extensible member and affects an extension thereof.

2,386,681

METHOD AND APPARATUS FOR CATALYTIC ALKYLATION

Stuart T. Hadden, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application December 13, 1944, Serial No. 568,040
4 Claims. (Cl. 260-683.4)



1. In a process for alkylation of isoparaffins with olefins in the presence of liquid hydrogen fluoride by dispersing a vapor mixture of isoparaffin and olefin into liquid hydrogen fluoride under alkylation conditions of temperature and pressure and separating liquid hydrocarbons from the dispersion so formed; the method of conducting said process with efficient removal of heat from the reaction zone which comprises providing a cyclic path containing liquid hydrogen fluoride and adapted for free flow of liquid hydrogen fluoride successively through a laterally confined vertical reaction zone, an enlarged settling zone open to the top of said reaction zone and a cooling zone open to the bottom of said settling zone and to the bottom of said reaction zone, injecting said vapor mixture under pressure upwardly into said hydrogen fluoride in the lower part of said reaction zone, removing hydrocarbons from the upper part of said settling zone and abstracting heat from said hydrogen fluoride in said cooling zone, whereby cyclic flow of hydrogen fluoride in said cyclic path is induced by a combination of jet, gas lift and thermo-siphon effects.

2,386,682

HEADWEAR

Frances Heineman, New York, N. Y., assignor to Herman Plaut Company, New York, N. Y., a firm

Application November 30, 1944, Serial No. 565,924
2 Claims. (Cl. 132-49)

1. A hair covering comprising a strip of netted fabric longitudinally folded to form an elongated

pocket for receiving and holding the rolled portion of a coiffure, said strip having a comb member attached flatwisely against the inside of the strip at each end of the strip, each comb having a cross bar and a plurality of teeth, fastening means embracing the cross bar of each comb to thereby hold the comb flatly against the net with



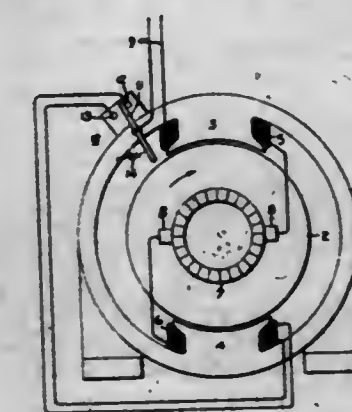
the teeth of each comb extending inwardly from the end of the net at which it is located, each comb being covered by the net and the ends of the teeth on one comb projecting in a direction toward the ends of the teeth on the other comb, said combs being entrant into the hair at opposite sides of the head of the wearer.

2,386,683

CONTROL SYSTEM

Lawrence F. Hemphill, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application January 26, 1943, Serial No. 473,613
7 Claims. (Cl. 172-239)



1. In combination, a direct-current dynamo-electric machine having a series connected armature and field winding, at least one intermediate tap in said field winding, an external circuit for said machine, and means responsive to predetermined variations in flux density in said machine regardless of their frequency for selectively connecting all of said winding and the tapped portion thereof in said circuit.

2,386,684

FILTER

William A. Hermanson, Brookline, Mass.
Application July 3, 1942, Serial No. 449,603
8 Claims. (Cl. 210-204)



1. Means for filtering fluids and liquids comprising a plurality of groups of sheets formed of deflocculated fibers having wet strength to resist penetration by the fluid and liquid being filtered,

said groups of sheets being creped different amounts and arranged in face-to-face relation, those first in the path of flow being creped to a greater degree than those later in the path of flow and means whereby the fluid flow is directed through the sheet in the filtering action.

2,386,685

METHOD OF MAKING GLASS

Harrison P. Hood, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Application February 14, 1944,

Serial No. 522,372

1 Claim. (Cl. 49-77)

The method of making glass, which comprises slowly heating a glass batch to an elevated temperature between about 600° C. and 800° C., maintaining the heated batch under atmospheric pressure, passing through and over the batch a current of air which is substantially free from carbon dioxide and water vapor until the gaseous by-products of the reacting batch materials have been eliminated, and thereafter melting the batch.

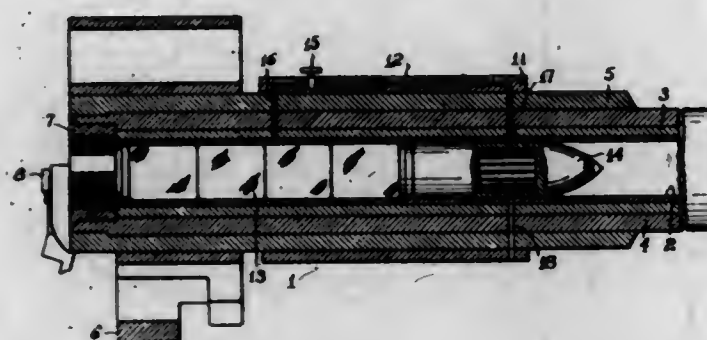
2,386,686

LONG RANGE GUN AND PROJECTILE THEREFOR

William P. Hunsdorf, Cleveland, Ohio, assignor of one-third to James L. Melke and one-third to William J. Wesseler both of Cleveland, Ohio

Application July 5, 1941, Serial No. 401,127

2 Claims. (Cl. 89-1)



1. An apparatus of the character described having in combination, a projectile discharging unit, a projectile received in said unit said projectile having a chamber formed therein, a stabilizing member supported for rotation within said chamber upon a longitudinal axis of said projectile, means providing a duct extending transversely through said projectile and chamber; a source of pressure, and means within said projectile discharging device connecting one end of said duct with said source of pressure and means within the said discharge device connecting the other end of said duct to the atmosphere thereby providing a free open passageway extending transversely through said projectile discharge device and said projectile for gases to rotate said stabilizing member.

2,386,687

GRINDING MACHINE

Frederick Charles Jearum, Sutton, England

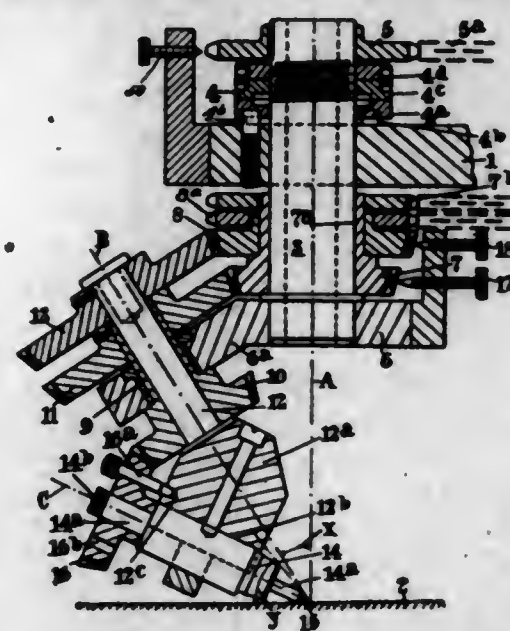
Application May 25, 1943, Serial No. 488,452

In Great Britain June 12, 1942

12 Claims. (Cl. 51-229)

1. A machine for cutting stones to generate forms of the kind indicated comprising a skaf, means for rotating the skaf, means for continuously rotating a stone about its axis and means for continuously revolving said stone axis about a

tangent axis intersecting the stone axis in the plane of the skaf in such a manner that the stone



axis moves through a path describing a conical figure which is tangent to a line normal to the surface of the skaf.

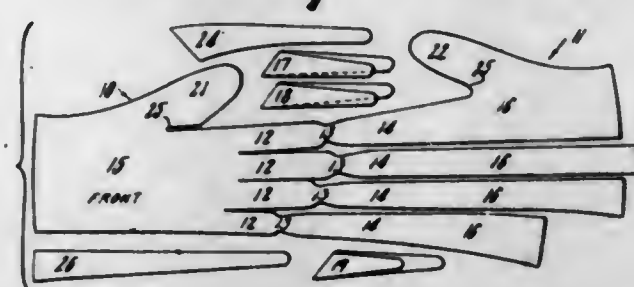
2,386,688

GLOVE CONSTRUCTION

Mabel Julianelli and Charles A. Julianelli, New York, N. Y.

Application February 19, 1943, Serial No. 476,370

7 Claims. (Cl. 2-169)



1. A hand conforming tailored glove comprising a palm portion having finger pieces integral therewith and extending therefrom, said finger pieces being of different lengths and being separated from each other throughout their lengths; each finger piece comprising a front section substantially equal in length to its corresponding finger and a back section integrally united to and coextensive with the front section; said finger pieces each being folded over with each back section superposed on and secured to the longitudinal edges of its associated front section to provide a hand conforming glove having seamless finger tips and fingers conforming a length to each of the fingers of the hand.

2,386,689

REED FOR WARPING MACHINES AND THE LIKE

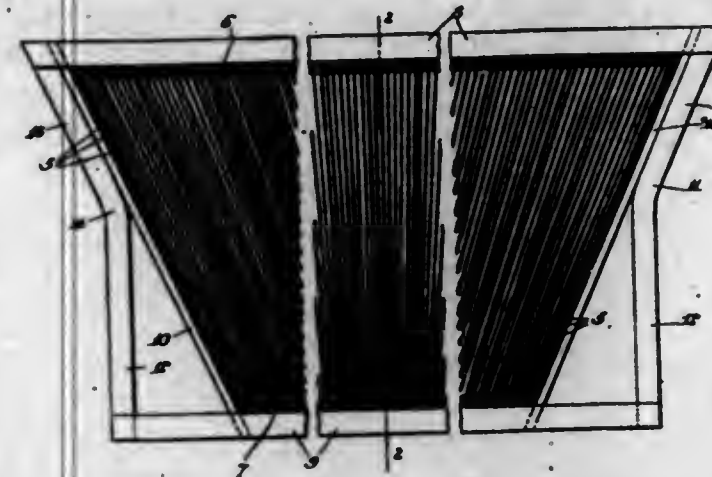
Frank H. Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 2, 1942, Serial No. 460,506

3 Claims. (Cl. 28-54)

1. A reed for warping machines and the like comprising a plurality of dents made of thin flat metal and arranged in fan like formation, and a frame for supporting said dents, said frame having top and bottom members and end struts connecting said top and bottom members, the upper portions of said end struts being inclined outwardly substantially parallel to the dents at the respective ends of the reed, and the lower portions of said end struts being substantially ver-

tical, and reinforcing strips disposed immediately adjacent the end dents and extending par-



allel thereto, said reinforcing strips being interposed between the end dents and the end struts of the frame.

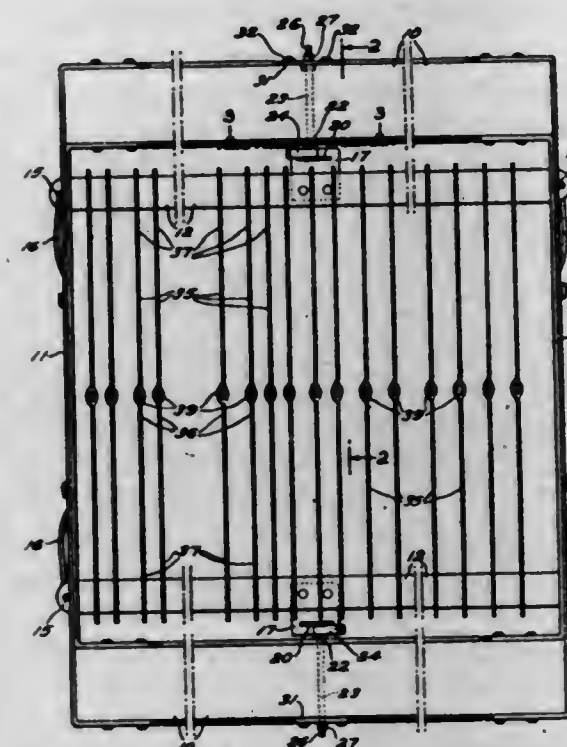
2,386,690

LOOM HARNESS

John Jacob Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application December 5, 1944, Serial No. 566,655

8 Claims. (Cl. 139-92)



1. In a loom harness including a heddle frame having top and bottom rails and heddle supporting rods comprising thin flat metallic strips removably mounted in said frame, the means for supporting said rods intermediate the ends thereof comprising, in each location, a plate member secured to the rod in spaced relationship, and a separate bolt member mounted in one of the rails of the frame; said plate member and bolt member being in locked engagement with each other; and means carried by one of said members for normally maintaining the locked engagement of said parts.

2,386,691

CURTAIN OR DRAPE FIXTURE

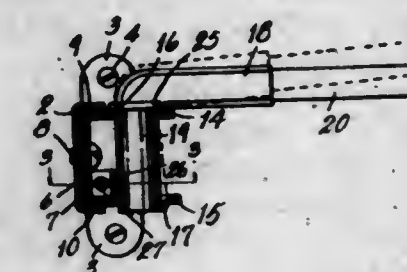
Frank S. Keahey, Sturgis, Mich., assignor to Kirsch Company, Sturgis, Mich., a corporation of Michigan

Application December 27, 1943, Serial No. 515,744

9 Claims. (Cl. 211-105.2)

3. In a curtain or drapery fixture, the combination of a bracket member comprising a back, top,

and bottom, and end members, the said top member having a pin opening therein and the bottom member having a transversely extending slot aligned with said pin opening, a rod supported by said top member and having a pin engaged in the pin opening thereof and extending into said



slot of said bottom member, a tapered adjusting member slidably supported on the bottom member and in thrust engagement with the back member to slidably engage said pin, and an adjusting screw rotatably mounted in said end members and having threaded engagement with said adjusting member.

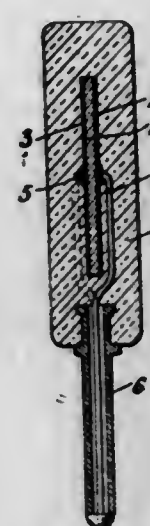
2,386,692

CRYSTAL

Walter E. Kuenstler, Cliffside Park, N. J.

Application April 5, 1944, Serial No. 529,610

4 Claims. (Cl. 171-327)



1. A crystal of the character described comprising, a piece of quartz, tourmaline or other piezo-electric mineral, electrodes in co-operative relation to the piezo-electric mineral, electric contacts connected to the electrodes, the crystal, electrodes and contacts being embedded in a formed or moulded plastic with end portions of the contacts extending through and out of the plastic.

2,386,693

PREPARATION OF THE ADDITION COMPOUND OF TRIMETHYLAMINE AND SULPHUR TRIOXIDE

Hans Zacharias Lecher, Plainfield, and William Baptist Hardy, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application September 9, 1944,

Serial No. 553,460

3 Claims. (Cl. 260-583)

1. A method of preparing the betaine-like addition compound of trimethylamine and sulphur trioxide which comprises reacting tetramethylsulphamide with dimethylsulphate at elevated temperature.

2,386,694

CHEMICAL COMPOUND

Joy G. Lichty, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application July 5, 1944,

Serial No. 543,603

2 Claims. (Cl. 260-486)

1. As a new compound, 2,3-dichloropropyl alpha-chloroacrylate.

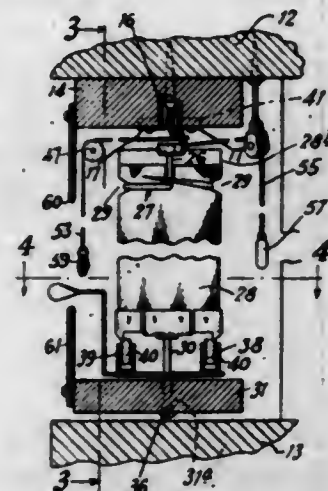
2,386,695

WINDOW BLIND

Aksel Lister-Torsen, Brooklyn, N. Y.

Application October 21, 1944, Serial No. 559,690

6 Claims. (Cl. 160-172)



1. A window blind comprising a plurality of equidistant parallel slats pivotally suspended from the top of a window frame, said slats having substantially axial pins extending from one end thereof, means positioning said pins in a common plane, a pair of spaced links equal in length pivotally mounted in a plane at right angles to said common plane, the pivot points of said links being positioned substantially midway of their length and in the same plane as said common plane; a lever pivotally mounted substantially in the same plane as said links and parallel therewith and having its pivot point in alignment with said link pivot points, a pair of parallel channel members pivotally mounted on the ends of said links to form a jointed parallelogram, said lever being pivotally joined to said channel members, said slats having pegs extending from one end thereof, said pegs registering loosely in said channel members.

2,386,696

ADHESIVE COMPOSITIONS

Joseph Lloyd, Pendleton, Salford 6, England, assignor to J. Mandleberg & Company Limited, Pendleton, England, a British company

No Drawing. Application May 25, 1942, Serial No. 444,425. In Great Britain October 29, 1941

4 Claims. (Cl. 260-755)

1. A non-hardening, permanently tacky, adhesive composition, containing rubber and a substance selected from the group consisting of gutta resin and balata resin, in the proportion of about 5 to 1 by weight.

2,386,697

INJECTION MOLDING OF PLASTIC MATERIALS

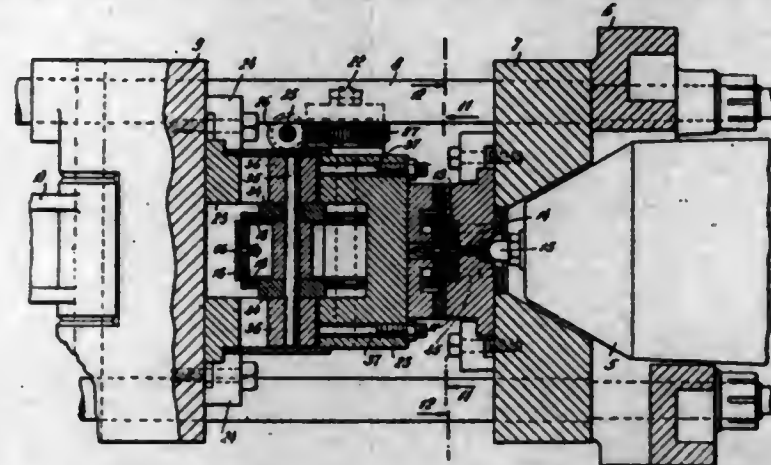
Harold J. Lynch, Cornwall-on-Hudson, N. Y.

Application August 13, 1942, Serial No. 454,649

19 Claims. (Cl. 18-30)

15. In an apparatus for injection molding, a series of longitudinally movable mold sections having angularly disposed recesses therein to receive a chain with successive links in a predetermined angular relation and depressions adapted to receive molded bodies on the chain, means

for advancing the mold sections, means for positioning the successive links of the chain in the same predetermined angular relation as the recesses in the mold sections and for laying the successive links in that relation in the recesses of the mold sections as the mold sections are advanced, including a roller having peripheral re-



cesses adapted to register with the recesses in the mold sections and a feed guide having a grooved guideway to hold the links of the chain in predetermined relation, and means for trimming waste material from the bodies molded in the depressions in the mold sections as the mold sections are advanced.

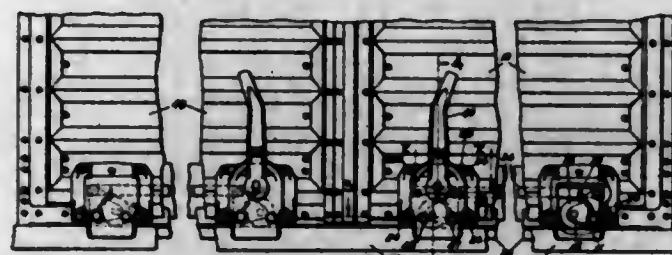
2,386,698

DOOR LIFT MECHANISM

Thorvald Madland, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio

Application July 29, 1943, Serial No. 496,557

9 Claims. (Cl. 16-99)



1. Lift mechanism for sliding car doors comprising spaced roller housings, rollers carried by said housings, means offset from the axis of said rollers for journalling said housings in a car door, an actuating member having inner and outer trunnions journaled in said door on opposite sides of one of said rollers, said member embodying means extending between said trunnions in offset relationship to the axis of rotation thereof, a lever mounted upon said outer trunnion on the outside of said door and being swingable in a plane parallel to said door, and means connecting said roller housings for simultaneous operation, the housing for said one roller having an upstanding flange disposed at one side of said means on said actuating member.

2,386,699

GOVERNOR FOR INTERNAL-COMBUSTION ENGINES

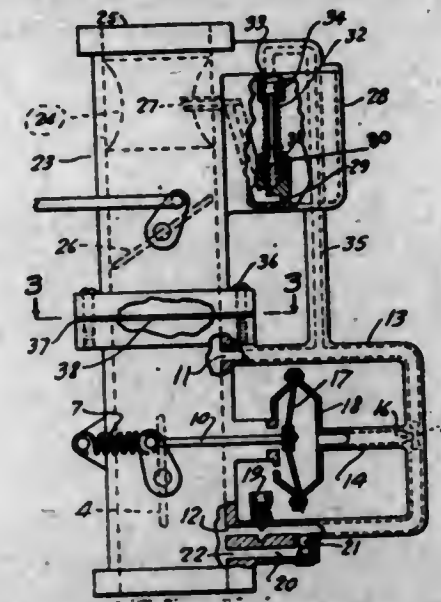
Marion Mallory, Detroit, Mich.

Application June 26, 1944, Serial No. 542,058

13 Claims. (Cl. 123-103)

1. A device for controlling the speed of an internal combustion engine having an intake passageway comprising a governor valve in said passageway, a suction responsive device connected to said governor valve for controlling the same, a conduit connecting the suction device with the intake passageway on the atmosphere side of said

governor valve, a second conduit connecting the suction device with the intake passageway on the engine side of said governor valve, a restriction in said second conduit, a bypass conduit around said restriction, said bypass conduit connecting said second conduit with the intake pas-



sageway on the engine side of the governor valve, a check valve controlling said bypass conduit, said check valve being responsive to the suction in the intake passageway to open as the suction is increased due to the closing of the governor valve whereby the closing of the governor valve is accelerated.

2,386,700

COATED PAPER

Frank H. Manchester, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application November 20, 1943,

Serial No. 511,173

2 Claims. (Cl. 117-155)

1. Paper coated with a mixture composed essentially of rubber hydrochloride and a benzene-soluble copolymer of vinyl chloride and vinylidene chloride and containing 5 to 95 parts of the rubber hydrochloride and 5 to 95 parts of the copolymer, the copolymer being formed from about 45 to 70 parts of vinylidene chloride and 30 to 55 parts of vinyl chloride.

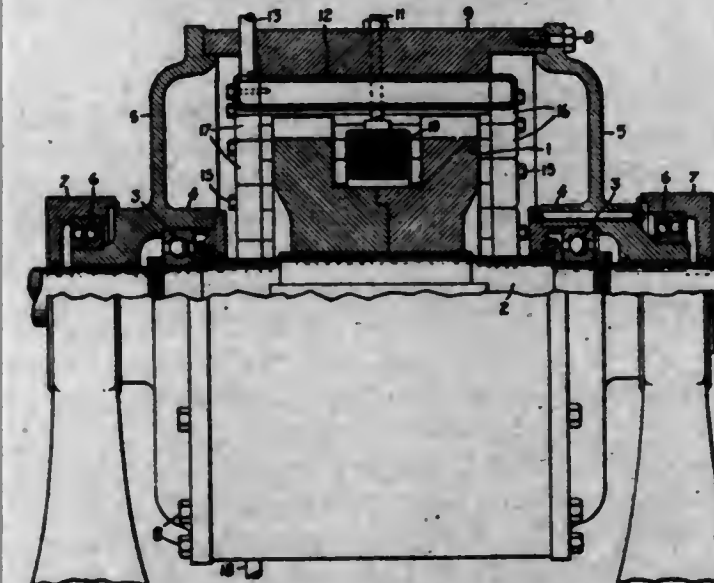
2,386,701

DYNAMOELECTRIC MACHINE

Harold M. Martin, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application May 27, 1944, Serial No. 537,591

11 Claims. (Cl. 188-104)



1. An inductor type dynamoelectric machine having a rotatable inductor member of magnetic

material, a field exciting winding, a stationary member having a frame and an eddy current inductor portion formed of a plurality of axially extending tubular members of magnetic material providing a liner in said frame, means for supplying cooling fluid into said tubular members, and means for exhausting cooling fluid from said tubular members.

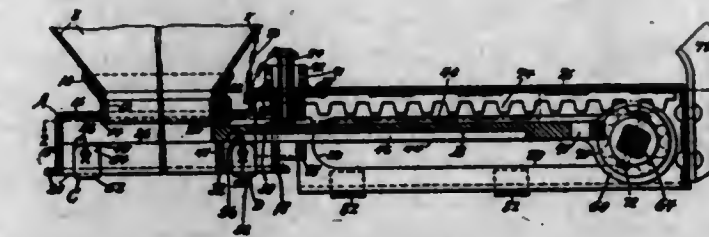
2,386,702

HOPPER DISCHARGE

John J. McBride, Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application June 27, 1942, Serial No. 448,814

10 Claims. (Cl. 105-282)



1. In a railway hopper car having a floor provided with a door frame part defining a lading discharge opening, a door part slidably mounted on the frame and movable from an open to a closed position closing said opening, and spaced apart means rotatably carried by one of said parts and directly engageable with the other of said parts to be rotated thereby into a position automatically raising said door part upwardly into sealing relation with said frame part during the final closing movement of the door part.

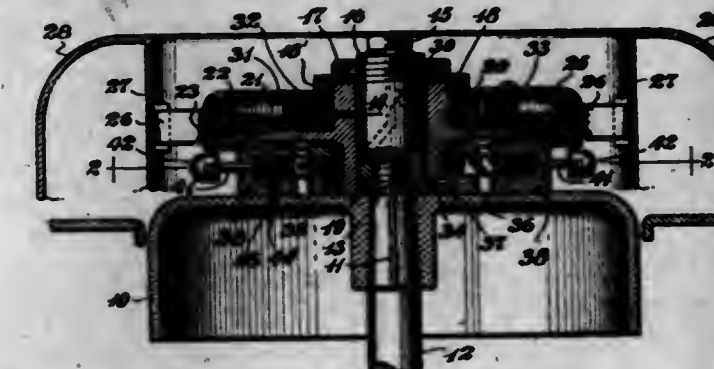
2,386,703

STARTING DEVICE FOR OUTBOARD MOTORS

William R. McElmurray, Frankfort, Ky.

Application July 21, 1943, Serial No. 495,665

1 Claim. (Cl. 123-185)

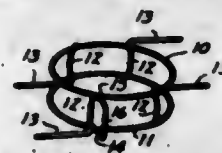


A rope pull starting attachment for an internal combustion engine of the outboard motor type comprising an extension shaft adapted to be secured on an end of the engine, a hub journaled on said extension shaft, a rope pulley integral with said hub, a rope wound on said pulley, one end of said rope being secured to said pulley, a spiral spring, one end of said spiral spring being secured to said pulley, means for anchoring the other end of said spiral spring, said spring being tensioned to permit said pulley to rotate a limited amount when said rope is pulled but re-winding said rope when the pull on said rope is released, a clutch ring secured to said pulley, a clutch collar concentric with said clutch ring, means for clutching said collar to said ring, a rotatable engine part and an overrunning clutch mechanism including said collar, connected to said rotatable engine part for causing it to rotate when the rope is pulled and permitting it to overrun the said collar and rotate under power from the engine.

2,386,704

BALLOON GIRDLE

Kenneth M. McLellan, Lakewood, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application January 21, 1944, Serial No. 519,133
3 Claims. (Cl. 57-108)

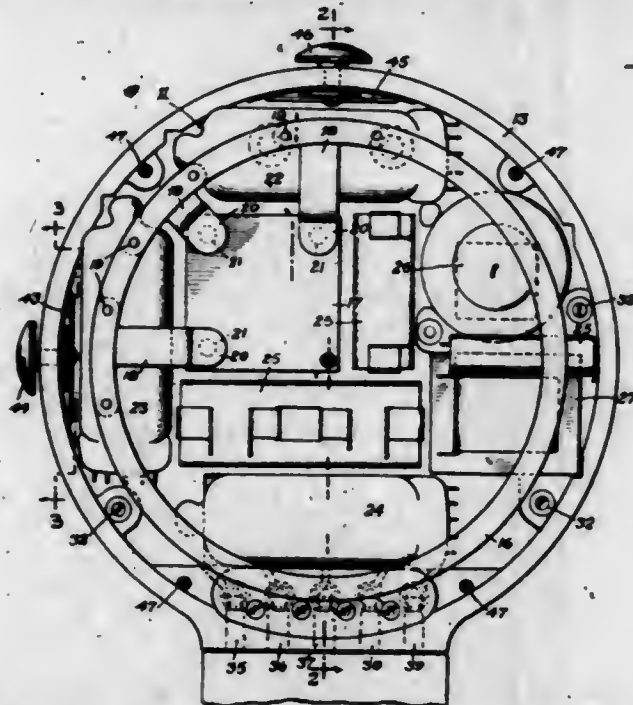


1. A balloon restraining girdle comprising at least two substantially circular co-axial rings spaced one above the other to cover a rotating yarn ballooning range, said rings having openings one above the other, one set of ends of said rings being joined forming an outwardly extending lip tangent to said rings, a plurality of outwardly curved supporting members joining said spaced rings, and elongated members projecting from each of said rings in substantially the planes of said spaced rings.

2,386,705

TRANSMITTER

Lawrence Victor Merrill, Brooklyn, N. Y., assignor to Mears Radio Hearing Device Corp., New York, N. Y., a corporation of Delaware
Application June 18, 1941, Serial No. 398,528
2 Claims. (Cl. 179-107)



1. A hearing device including a casing having sound openings therein, a cushioning ring secured to the inside of said casing and surrounding said openings, a conical sound responsive diaphragm in contact along its marginal portion with said ring, a modulating element arranged within said casing, said portion having members resiliently connected with the front face of said element at spaced points to support the element, and a connection between the apex of the diaphragm and said front face of said element so that the latter will generate voltage in accordance with the frequency of the sound vibrations reaching the same from said diaphragm.

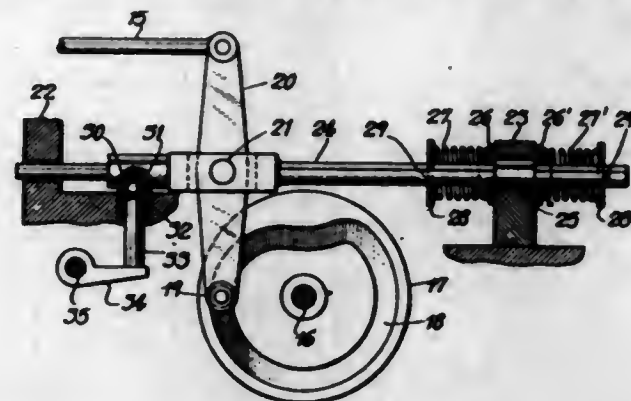
2,386,706

CENTRAL SAFETY DEVICE

Albert Moessinger, Winterthur, Switzerland, assignor to Sulzer Frères, Societe Anonyme, Winterthur, Switzerland
Application March 15, 1943, Serial No. 479,232
In Switzerland April 1, 1942
8 Claims. (Cl. 74-47)

1. A motion transmitting mechanism comprising a supportable member and movable support

means movably connected therewith, a stationary abutment means slidably connected with said support means, an abutment connected with said support means and abutting said abutment means when said support means are in normal operating position, resilient means interposed between said abutment means and said support means and adapted to hold said support means in position



whereby abutting relation between said abutment means and said abutment and normal operating position of said support means are assured and adapted to yield to an abnormal pressure exerted by said supportable member on said movable support means whereby said support means are moved and said abutment is removed from said abutment means.

2,386,707

RECLAIMING METHOD

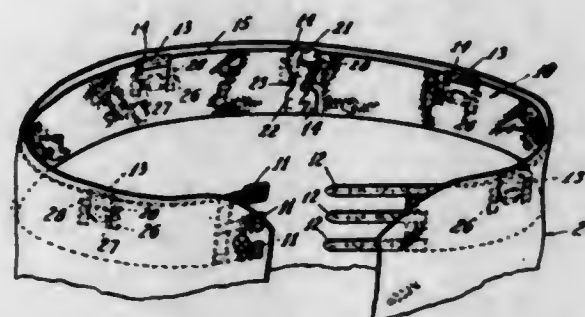
Derwin V. Moore and Harry H. Thompson, Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application March 18, 1942, Serial No. 435,140
3 Claims. (Cl. 260-36)

1. The method of regenerating a rubber-like cured butadiene copolymer of the class produced with styrene and with acrylonitrile which comprises cooking the same with a swelling agent which contains ethyl alcohol as a plasticizer.

2,386,708

BELT

Harry Morrison, Pittsburgh, Pa.
Application November 24, 1942, Serial No. 466,786
1 Claim. (Cl. 2-312)



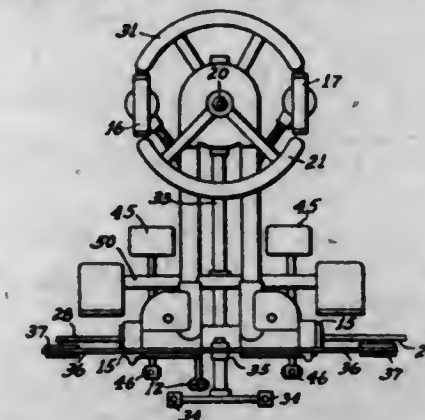
A combined garment suspending belt, abdominal supporter and shirt retainer comprising a band of relatively wide, heavy and non-elastic fabric, means for detachably securing said belt externally of the shirt about the waist of the wearer, the exterior face of said belt being provided with an odd number of garment suspending means, each comprising a vertically extending strip having a front hook portion at its lower end and an integral relatively short and U-bent rear portion at its upper end adapted to embrace and be secured to the upper edge of said belt so that only a minimum of said suspending means is exposed on the interior face of the belt thus permitting the belt to snugly embrace, in a form-fit manner, the waist of the wearer, all of said suspending means being so arranged that the hooks

at their lower ends engage with latches secured to the inner face of the waist-band of the trousers; one of said suspending means being arranged substantially median in respect to the length of said belt and extending downwardly at its inner face for the full width of the belt and provided about midway of its length with a resilient connecting member so as to permit the wearer of the belt to bend his body but retain a degree of stiffness to support the posterior region of the waist of the human body while walking.

2,386,709

AIRPLANE CONTROL MECHANISM

Alden E. Osborn, Mount Vernon, N. Y.
Application March 25, 1942, Serial No. 436,085
7 Claims. (Cl. 244-83)



1. A control mechanism for airplanes having elevator, aileron and rudder surfaces, comprising a column pivotally mounted on a horizontal axis at right angles to the center line of the airplane, connections between said column and the elevator surfaces whereby the forward or backward movement of the upper end of said column controls the position of said elevator surfaces, a member pivotally mounted on said column on a substantially vertical axis and at right angles to the pivotal mounting of said column, connections between said member and the rudder surfaces of said airplane whereby the oscillation of said member about its said vertical axis controls the position of said rudder surfaces, a shaft rotatably mounted on a substantially horizontal axis on said member at right angles to the pivotal axis of both said column and said member and adjacent to the upper end of said column and said member, connections between said shaft and the aileron surfaces of said airplane whereby the oscillation of said shaft about its said horizontal axis controls the position of said aileron surfaces, and a handle member mounted on said shaft for the manual operation of said shaft, said vertically pivoted member, and said column, said handle member being adapted to turn said horizontally mounted shaft, to cause said side to side oscillation of said vertically pivoted member and to also cause the forward or backward movement of said column, and a second manually operated means mounted on said airplane adjacent to said column but separate therefrom for moving the said rudder surfaces independently of the manual operation of said handle member.

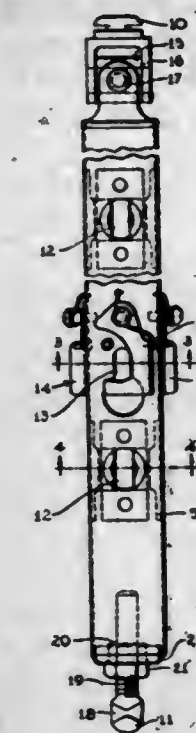
2,386,710

STRUCTURAL UNIT AND ASSEMBLY

George W. Pancoe, Philadelphia, and Albert G. Dean, Narberth, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 17, 1944, Serial No. 549,924
5 Claims. (Cl. 189-34)

1. A structural post unit comprising a post having a plug universally connected to one end, and a

second plug connected for longitudinal adjustment to the other end, and mating sockets on

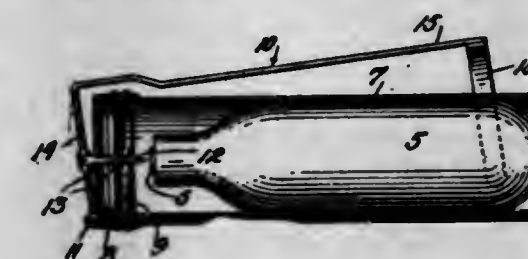


the side of the post, whereby the ends of one post can be interfitted with the sides of like posts and vice versa.

2,386,711

DANGER CALL ALARM

Cecil Carlton Parker, Hyde Park, N. Y.
Application July 10, 1943, Serial No. 494,437
3 Claims. (Cl. 116-67)

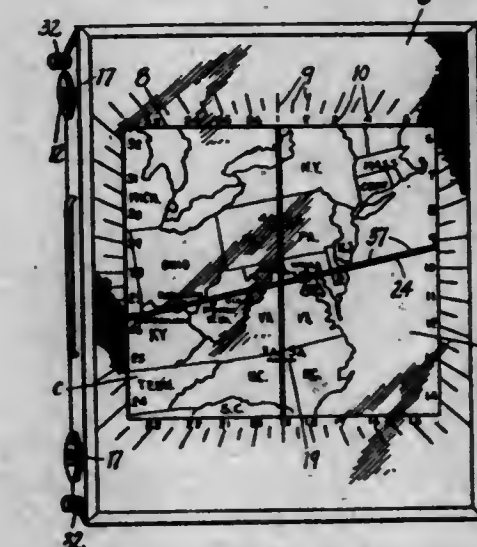


1. In combination, a gas-tight casing for housing and adapted to be opened to receive a sealed cartridge of compressed gas and provided with a vent for escape of gas released from said cartridge, a hand operable trigger on said casing for rupturing the seal of said cartridge, said vent including a whistle having a passage through and said seal rupturing means including a puncture point extending through said opening in said whistle.

2,386,712

COURSE PLOTTING APPARATUS

Albert M. Patterson, Hutchinson, Kans.
Application March 13, 1944, Serial No. 526,299
18 Claims. (Cl. 35-40)



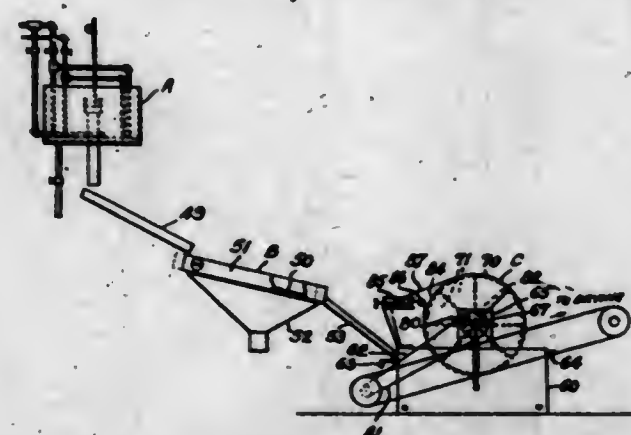
1. In a course plotting apparatus, the combination with a casing having windows on oppo-

site sides thereof, there being correspondingly positioned graduations and associated numerals associated with each window, the numerals being consecutive around the windows and beginning centrally of the tops thereof, of an area map exposed through one of said windows, sectional map strips disposed edge to edge for exposure of selected portions thereof through the other window, pairs of supporting rollers for said sectional map strips mounted within said casing and provided with finger pieces whereby the map strips may be independently adjusted, each of said sectional map strips having thereon a series of complementary sections of said area map, said map strips each having a corresponding series of registerable positioning indicia facilitating the positioning sections of the maps in complementing relation, pairs of oppositely disposed angular channels within said casing having longitudinal slots in the front sides thereof, helically coiled strand guide actuators disposed in said channels for rotation therein, said actuators at one of the ends of each thereof being rotatably mounted at diagonally opposite corners of said casing and provided with finger pieces at their other ends whereby they may be independently rotated, pairs of course indicating strand guides engaged with the coils of said actuators to project through the slot-like openings of said channels whereby upon rotation of the actuators the guides are moved longitudinally of the actuators, course indicating strands supported by said guides for adjustment across the windows and the maps exposed therein, said strands being guided to and from the interiors of said actuators by said guides, one end of each strand being relatively fixed at the rotatably mounted end of one of said actuators of a pair and extending longitudinally interiorly of said actuator from said end to the strand guide engaging said actuator, the other being relatively free, said strands having distance indicia thereon corresponding in scale to the scale of the maps with which they are associated, there being a guide for the relatively free end of the strand at the corresponding rotatably mounted end of the other actuator of the pair, and spring wind take-up spools for the free ends of said strands mounted within said casing.

2,386,713

ASBESTOS TREATMENT

Lee C. Pharo, Thetford Mines, Quebec, Canada, assignor to Johnson's Company, Thetford Mines, West, Quebec, Canada
Application November 21, 1942, Serial No. 466,522
In Great Britain February 10, 1942
9 Claims. (Cl. 19-66)



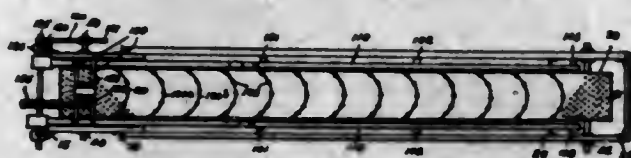
6. In a process of treating asbestos obtained by dry milling asbestos ore wherein the rock is crushed and the asbestos fibers of spinning grade are removed therefrom containing dust in amount to impair their textile qualities, the steps of wash-

ing said fibers with water and washing out the dust without roping the fibers, dewatering the washed substantially dust-free mass, drying the same, working the dried mass to fiberize the same, and fluffing the fiberized mass to separate the fibers from each other without substantially reducing the staple length thereof, whereby there is produced a cleaned fiber having substantially the potential textile qualities of the starting fibers.

2,386,714

ASBESTOS SEPARATING

Lee C. Pharo, Thetford Mines, Quebec, Canada, assignor to Johnson's Company, Thetford Mines, West, Quebec, Canada
Application March 26, 1943, Serial No. 480,700
10 Claims. (Cl. 209-2)

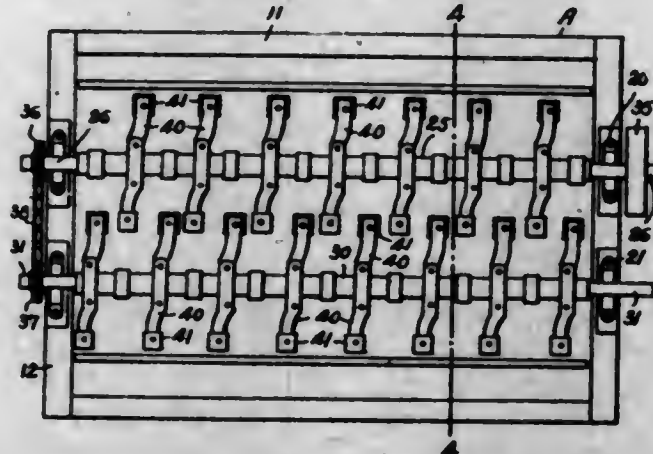


10. A method of treating fiberized asbestos containing lumps comprising continuously screening a mass of the asbestos while passing the same in a thin layer through a substantially horizontal and longitudinal path, and agitating said travelling mass to cause the lumps to gravitate to the bottom of the mass and be screened therefrom by continuously subjecting the mass to a reciprocating stirring action which comprises raking the continuously travelling layer of asbestos at the same level and substantially adjacent the screening surface both laterally and longitudinally with respect to its path of travel simultaneously at spaced points substantially throughout its screening path, and recovering the fibrous portion of the mass substantially free of said separated screened lumps.

2,386,715

ASBESTOS PROCESSING

Lee C. Pharo, Thetford Mines, Quebec, Canada, assignor to Johnson's Company, Thetford Mines, West, Quebec, Canada
Application October 12, 1943, Serial No. 506,000
In Canada September 4, 1943
1 Claim. (Cl. 19-90)



The method of treating asbestos masses to separate the individual fibers in the longer spicules and eliminate extremely short fibers from the masses without removing the short fibers it is desirable to retain in an unopened state, which comprises feeding the asbestos masses into one end of a closed unobstructed substantially horizontal passage having a perforated area to allow the escape of said extremely short fibers by gravitation, moving said masses through the passage by subjecting them to the action of a succession of intermeshing rotating beating arms extending

throughout the passage and inclined with respect to the longitudinal axis thereof in a direction to advance the masses continuously through the passage, passing the beating arms closely adjacent to one another while rotating them in intermeshing relation for agitating and advancing the mass thereby to cause the fibers from the long spicules to be liberated and the extremely short fibers to escape by gravitation, the beating arms being moved at a speed equivalent to the speed at which arms about one foot long would intermesh with each other between about 200 to about 250 times per minute, said speed being effective to maintain the long fibers in suspension and cause the undesirable short fibers to gravitate and to reduce injury to the long fibers substantially to a minimum.

2,386,716

METHOD FOR RECOVERING BILE PIGMENTS

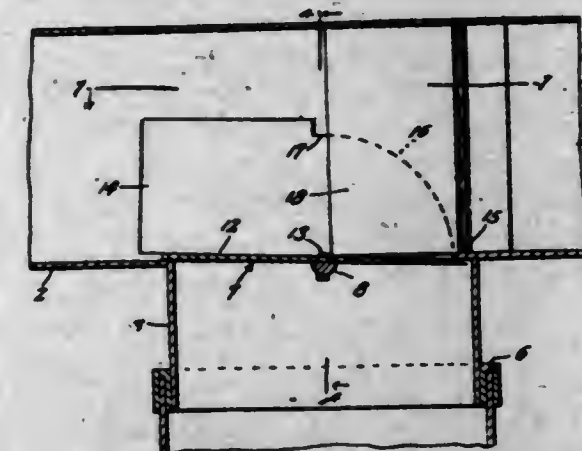
Jules D. Porsche and Fred J. Solms, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application June 1, 1940,
Serial No. 338,432
7 Claims. (Cl. 260-314)

1. A process for recovering bile pigment from a natural complex containing the same which comprises heating the said complex while in aqueous solution at a pH of less than 12.0, extracting the resulting solution at a pH of below 7.0 with a water-immiscible organic solvent capable of dissolving bile pigments, separating said solvent extract and recovering the bile pigments therefrom.

2,386,717

VIBRATING CONVEYER GATE

Alfred J. Sample, Randolph, N. Y.
Application October 6, 1944, Serial No. 557,515
2 Claims. (Cl. 198-66)



1. A vibrating conveyor including side walls and having an outlet in its lower portion, a butterfly gate journaled transversely in the conveyor for controlling the outlet, said gate including a plate and side flanges on the plate, and guards on the side walls of the conveyor for preventing material from lodging between said flanges and said side walls.

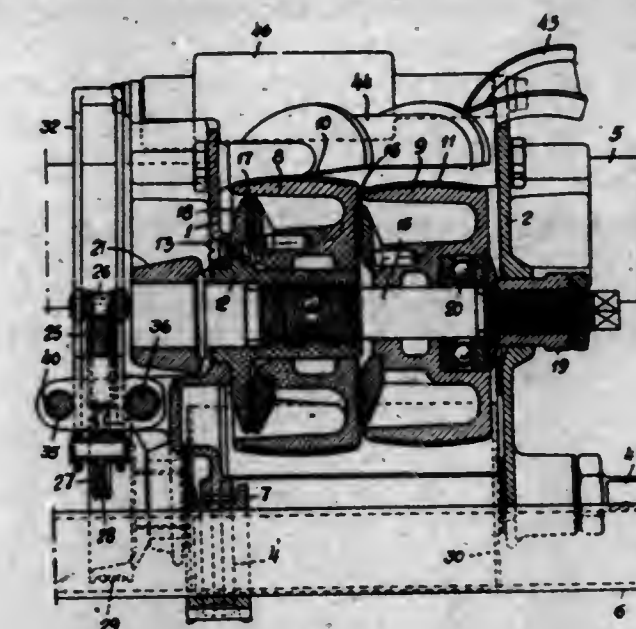
2,386,718

CARD MOUNTING MACHINE

André Heinrich Schaub, Norrköping, Sweden, assignor to Aktiebolaget Kardbeslag, a corporation of Sweden
Application April 20, 1943, Serial No. 483,809
In Germany April 27, 1942
20 Claims. (Cl. 140-97)

1. A card mounting machine for mounting a fillet of card clothing on a carding drum, said machine comprising an adjustable braking device engaged by the back of the fillet, a freely rotat-

able roller for guiding the fillet portion located between said braking device and said drum, an arm carrying said roller and supported for pivotal movement about an axis displaced from the medial plane of the fillet sections at opposite sides of said roller, whereby the tension of said fillet



tends to rock said arm, means for applying to said arm a preselected force to oppose rocking thereof by the fillet tension, and means operated by said arm upon rocking thereof by a change in fillet tension to actuate the braking device to neutralize the change in fillet tension.

2,386,719

METHODS OF TREATING PHENOL ETHERS AND PRODUCTS PRODUCED THEREBY

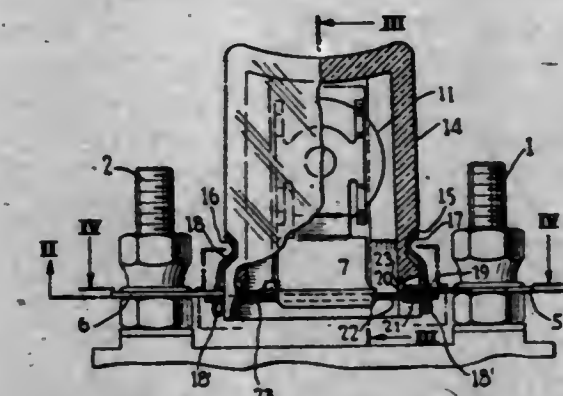
William F. Schaufelberger, Irvington, N. J., assignor, by mesne assignments, to The Harvel Corporation, a corporation of New Jersey
No Drawing. Application October 21, 1942,
Serial No. 462,840
14 Claims. (Cl. 260-23)

1. The method for modifying a liquid alkyl ether of a phenol having on its aryl nucleus an unsaturated hydrocarbon substituent of 14 to 28 carbon atoms and whose unsaturation is due solely to ethylenic linkage said alkyl ether having 1 to 5 carbon atoms in the alkyl group, comprising heating said ether in the substantial absence of oxygen until said ether is thickened.

2,386,720

LIGHTNING ARRESTER

Benjamin Schlesinger, Brooklyn, N. Y., assignor to Railroad Accessories Corporation, New York, N. Y., a corporation of New York
Application July 3, 1942, Serial No. 449,586
2 Claims. (Cl. 175-30)



1. A lightning arrester, including, in combination; an electrical conducting terminal connector extending in one direction; an electrical isolated conducting terminal conductor extending in an opposite direction; means interposed between said terminals for facilitating an electric discharge

therebetween; a cover surrounding said last named means and limiting said terminals against sidewise movement away from each other; an insulating spacer extending between said terminal connectors; spring fingers, one associated with each terminal connector, each spring finger co-operating with its associated terminal connector attaching the adjacent end of the spacer to the connector and with the cover to hold it in place.

2,386,721

COMBINED BABY'S SEAT, TABLE, AND PLAY YARD

Michael Sedita, Newark, N. J.
Application January 16, 1943, Serial No. 472,562
1 Claim. (Cl. 5—99)

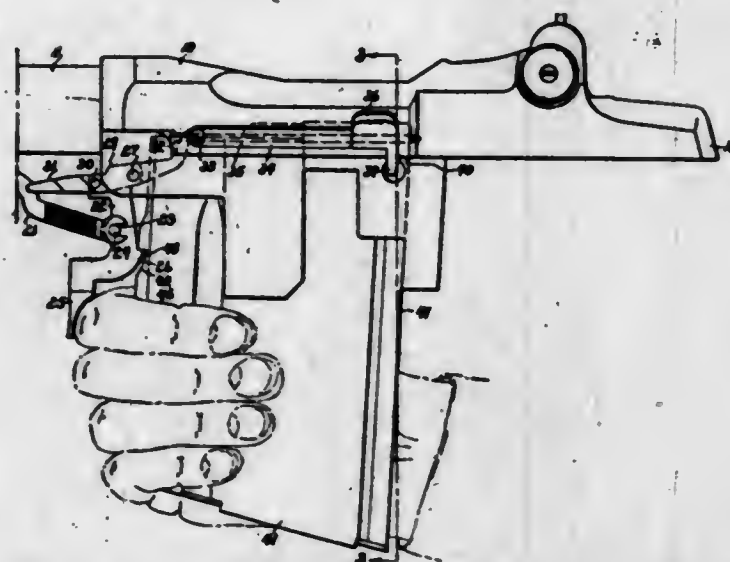


An article of furniture, comprising in combination a table top, inserts carried by said table top parallel to the edges thereof and having uniformly spaced openings formed therein, vertical rods fitting into said openings, legs carrying said table top and adapted to extend parallel to said rods, pins carried by said legs, horizontal bars having recesses formed therein for receiving said vertical rods, and hooks carried upon the ends of said horizontal bars and adapted to engage said pins, said vertical rods and horizontal bars converting said article of furniture to an infant's play yard when said table top is placed upon the ground.

2,386,722

BOX MAGAZINE LATCH MECHANISM FOR REPEATING FIREARMS

Harry H. Sefried, II, New Haven, Conn., assignor to Olin Industries, Inc., a corporation of Delaware
Application September 29, 1944, Serial No. 556,315
11 Claims. (Cl. 42—18)



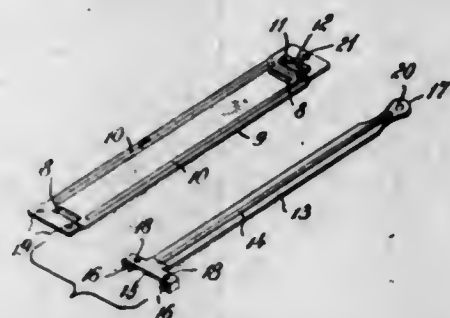
1. The combination with a repeating firearm-structure having a magazine-receiving passage therein; of a box-magazine insertable into and removable from the magazine-receiving passage

in the firearm-structure and provided with two spaced-apart downwardly-facing latching-abutments; a first latch-member carried by the firearm-structure and having an upwardly-facing latching-abutment movable into and out of position to engage with one of the two latching-abutments of the said box-magazine; a second latch-member also carried by the firearm-structure and having an upwardly-facing latching-abutment movable into and out of position to engage with the other of the two said latching-abutments of the said box-magazine; spring-means urging the respective latching-abutments of each of the said latch-members into position to engage with one of the two latching-abutments of the said box-magazine; and connecting-means between the two said latch-members and constructed and arranged to effect the retirement of one thereof when the other is manually retired against the tension of the said spring-means.

2,386,723

FASTENER

William L. Sparks, Hartsdale, N. Y.
Application December 9, 1943, Serial No. 513,557
9 Claims. (Cl. 24—153)

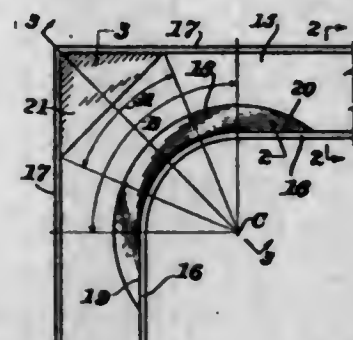


3. A keeper for file fasteners having perforations adjacent its opposite ends, an elongated member having a longitudinally-extending stiffening rib and means at one end extending around the side edges of the keeper and forming a sliding connection therewith, and a saddle struck from the body of the keeper adjacent one end, said saddle having a portion conforming to the shape of the longitudinally-extending stiffening rib of the elongated member and engaging it and restraining the elongated member against lateral movement while permitting it to move longitudinally of the keeper.

2,386,724

STRUCTURAL MEMBER

Ralph E. Spaulding, Jacksonville, Fla., assignor to The Aetna Iron & Steel Company, Jacksonville, Fla., a corporation of Florida
Application May 4, 1944, Serial No. 534,135
20 Claims. (Cl. 189—34)



1. A structural member in the form of a knee, said member comprising a web and a flange defining the bend of the knee, and a reinforcing piece following the bend and inclined relative to the web and having edges secured to the web and to the flange, around and at the bend.

2,386,725

THERAPEUTIC SUBSTANCE FOR MEASLES

Lyon Peter Strean, Montreal, Quebec, Canada, assignor to Ayerst, McKenna & Harrison Limited, Montreal, Quebec, Canada, a corporation of Canada

No Drawing. Application August 3, 1942, Serial No. 453,431. In Canada June 17, 1942
2 Claims. (Cl. 167—78)

1. A process of preparing a therapeutic agent effective against measles, comprising, drawing blood from human cords, obtaining a serum from said blood, treating said serum with a globulin precipitant selected from the group consisting of anhydrous sodium sulphate, ammonium sulphate and alcohol thereby to precipitate a globulin containing antibodies effective against measles, further treating the globulin fraction thereby to remove albumin fractions and salts whereby a substance is derived which is effectively free from material unfavourably reactive when injected into the human body, and adding thereto a suitable preservative.

2,386,726

VALVE

Vernon L. Tannehill, Fort Wayne, Ind.
Application June 7, 1943, Serial No. 489,896
1 Claim. (Cl. 251—119)



A valve structure consisting of a hollow housing having a valve seat therein and a portion beneath the seat provided with a guide and inlet ports, a cup-shaped valve made of flexible metal, circular in cross-section and having an exterior of vertical convex curvature, the marginal rim of said valve fitting on said seat, and a stem axially movable in said guide having a head upon which the valve is secured, the lower portion of said stem approximately fitting the bore of the guide wherefore to center the valve when raised, and the upper portion of the stem being of reduced diameter wherefore to permit lateral play of the valve while seating, said head having contact with said guide to limit downward movement of the valve when closed by back-pressure in the housing.

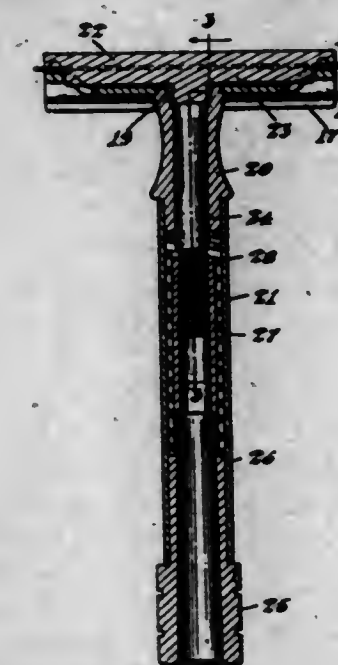
2,386,727

SAFETY RAZOR

Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application July 7, 1944, Serial No. 543,767
3 Claims. (Cl. 30—65)

2. A safety razor having, in combination, a rigidly-connected handle and guard, a cap co-operating with the guard being unobstructed at both of its ends, a blade-locating rib immovably fixed to one of said co-operating members and

located between the same, a spring associated with said handle normally urging the cap and guard together with a yielding pressure permit-

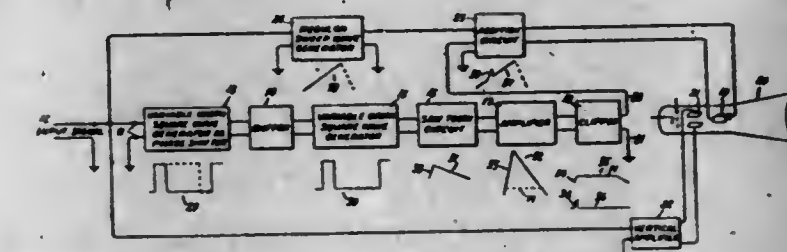


ting the insertion or withdrawal of an open-end blade, the blade straddling said rib, and means for moving the cap and guard positively into blade-clamping relation.

2,386,728

WAVE EXPANSION ARRANGEMENT FOR CATHODE-RAY OSCILLOSCOPES

Joseph L. Theisen, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application August 1, 1941, Serial No. 404,967
3 Claims. (Cl. 315—22)



1. A signal wave expansion arrangement for a sweep-wave circuit of an oscillographic device having a signal-tracing beam comprising in combination with a sawtooth wave generator for producing a sweep wave for deflecting a signal-tracing beam along a sweep axis of the oscillographic device and spreading an image of the signal wave on the screen of the oscillographic device, an amplifier for increasing the amplitude of the sweep wave and thus increasing its slope to increase the speed of sweep, and a device responsive to the sweep wave at a value thereof exceeding the amplitude required to produce full scale deflection along the sweep axis of the oscilloscope for interrupting further sweep of the signal-tracing beam, whereby an expansion of the traced signal wave is produced by the uninterrupted portion of the amplified sweep wave.

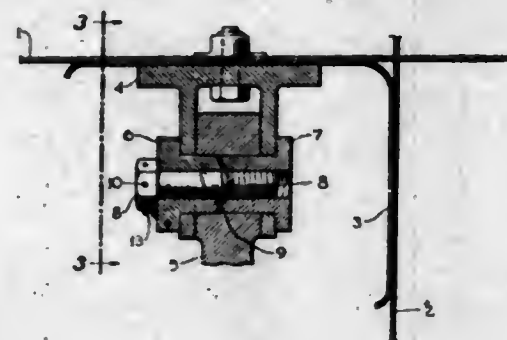
2,386,729

SLEEVE BOLT

Michael Watter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 8, 1944, Serial No. 567,137
3 Claims. (Cl. 85—4)

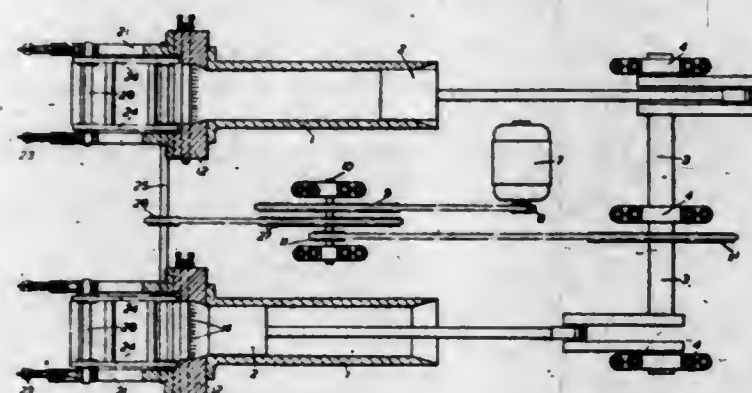
1. A sleeve bolt device comprising in combination, two aligned oppositely headed sleeves pro-

vided on their adjacent ends with circumferentially inclined interfitting elements, one of the sleeves being threaded and the other unthreaded



2,386,730
MACHINE FOR SUBDIVIDING BLOCKS OF GLUE AND OTHER MATERIALS INTO SMALL PIECES

Arnost Weiner, Halfway, England
Application April 10, 1944, Serial No. 530,433
In Great Britain April 27, 1943
3 Claims. (Cl. 164-38)

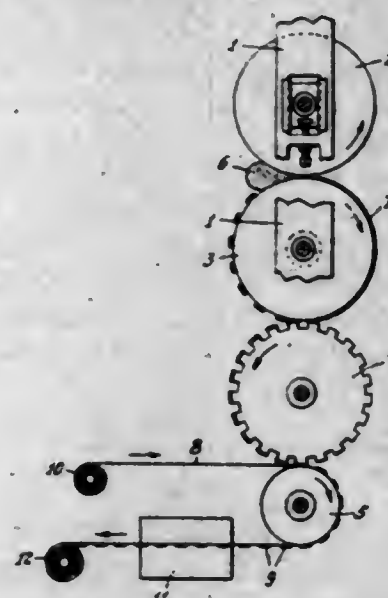


1. In a machine for subdividing a block of glue that comprises a guide box having an outlet end, a plunger movable through the box toward the outlet end, a series of stationary knives arranged in crossing relation to the outlet end, and a series of movable knives arranged to travel across the outlet end in the rear of the stationary knives; a frame mounted at the outlet end of the box and enclosing an opening registering with the outlet, said frame being provided with means for supporting the stationary knives in crossing relation to the opening that it encloses, and the rear portion of the said frame being shaped to provide passage for the movable knives immediately in the rear of the stationary knives and permitting said movable knives to traverse the full opening in one direction and to extend completely across it in the other.

2,386,731
SEGREGATED ADHESIVE TAPE CALENDER
Elwood P. Wenzelberger, Plainfield, N. J., assignor to Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey
Application September 5, 1942, Serial No. 457,452
1 Claim. (Cl. 91-50)

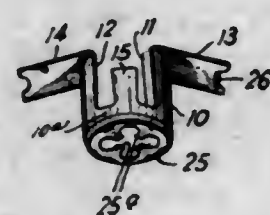
In a calender for applying normally tacky pressure sensitive adhesive mass to segregated areas of a backing with the adhesive mass areas extending across the width of the backing, the combination of a pair of adjacent smooth-surfaced calender rolls adjustable relatively to each

other and between which the adhesive mass is fed, one of said rolls being operated at a higher speed than the other of said rolls to form a continuous uninterrupted film of the adhesive mass upon the surface of the roll being operated at the higher speed, a third roll adjustable toward and from said adhesive film-carrying roll, said third roll having an interrupted surface with high portions thereof extending parallel to the axis of said roll and to the width of the back-



ing and positioned to contact the film upon said film-carrying roll and pick up portions of said adhesive film therefrom, and a pressure roll adjacent said third roll and positioned to support a backing between said pressure roll and said third roll and maintain the backing in contact with the high portions of said third roll whereby the portions of said film on said high areas of said roll will be transferred to said backing along areas extending transversely of the backing, each of said rolls being positively rotated.

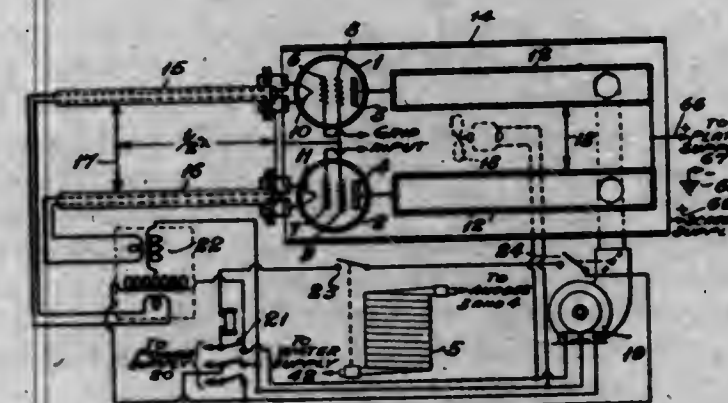
2,386,732
TUBE MOUNT
Joseph W. Wohlhieter, East Orange, N. J., assignor to The Palnut Company, Irvington, N. J., a corporation of New Jersey
Application April 7, 1944, Serial No. 530,073
6 Claims. (Cl. 248-361)



1. A one-piece fitment of springy sheet metal, for attaching a tube to an apertured plate and for adjustably positioning a threaded stem extending from a member telescoped in the tube, said fitment comprising: an annulus for embracing the tube adjacent to one end thereof, a pair of oppositely positioned arms of arcuate cross-section extending from the annulus in position to resiliently clasp the side wall of the tube when the fitment and tube are telescopically assembled, said arms having portions which in unstressed condition are spaced by a distance substantially less than the exterior diameter of the tube, spring wings extending outwardly and downwardly from the ends of said arms for yieldingly engaging one surface of the plate when the fitment is telescoped into the aperture therein, latching tongues positioned between said arms

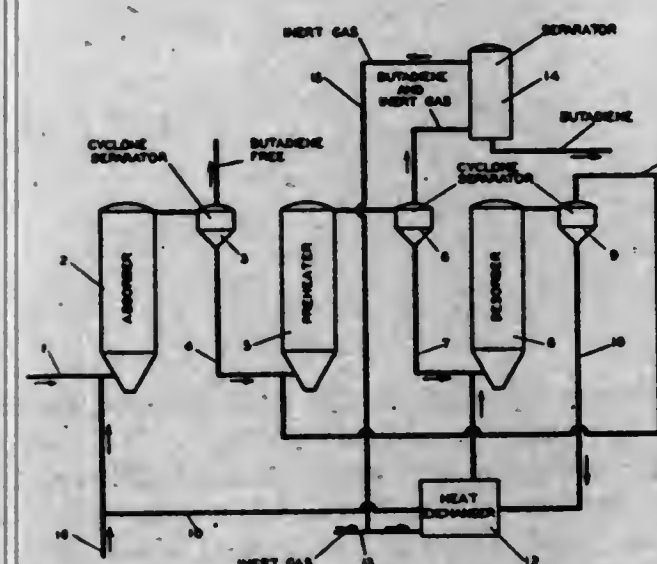
and extending from the annulus in position to engage the opposite surface of the plate when the fitment is telescoped into the aperture therein, and resilient female thread means attached to the annulus and extending inwardly thereof for resiliently engaging the threaded stem.

2,386,733
HIGH-FREQUENCY APPARATUS
Lester J. Wolf, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 25, 1942, Serial No. 466,879
18 Claims. (Cl. 315-38)



1. An ultra high frequency system having in combination an electron discharge device having at least a cathode, an anode, grid, and screen grid, a high frequency circuit including a hollow metallic element electrically connected to said anode, a metallic screen surrounding said hollow metallic element and electrically connected to said screen grid, and means for forcing air through said hollow metallic element and against said electron discharge device.

2,386,734
METHOD FOR RECOVERY OF DIOLEFINS
I. Louis Wolk, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 8, 1943, Serial No. 478,427
4 Claims. (Cl. 260-681.5)



4. A process for the separation of conjugated diolefins from gas mixtures containing the same which comprises suspending finely divided cuprous halide particles in said gas mixture at a temperature and for a period of time sufficient to permit formation of a diolefin-cuprous halide complex, separating the solid complex particles thus formed from the residual gas, decomposing said particles of complex by suspending same in a stream of hot inert gas at a temperature and for a period of time sufficient to effect decompo-

sition thereof and liberation of the diolefin, separating the gas stream containing liberated diolefin and inert gas from the regenerated cuprous halide particles, and separating the diolefin from the inert gas.

2,386,735
METHOD OF DIENE POLYMERIZATION
Alvin M. Borders, William D. Wolfe, and Harold J. Osterhof, Cuyahoga Falls, and Charles W. Walton, Stow, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application August 3, 1940, Serial No. 351,230
26 Claims. (Cl. 260-84.5)

1. A method of making rubber-like masses which comprises polymerizing a butadiene and a vinyl compound in an aqueous emulsion in the presence of a catalyst from the group consisting of hydrogen peroxide and hydrogen peroxide generating compounds and acetaldehyde.

2,386,736
CYANOETHYLATION OF KETONES
Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application April 19, 1941, Serial No. 389,332
2 Claims. (Cl. 260-464)



group on a carbon atom of a ketone which comprises condensing acrylonitrile in the presence of a quaternary ammonium hydroxide as a condensing agent with a ketone having at least one reactive hydrogen atom attached to a carbon atom contiguous to the ketonic carbonyl group.

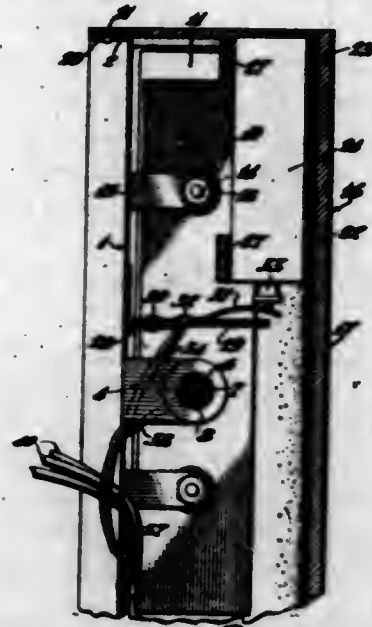
2,386,737
CYANOETHYLATED CYCLIC KETONES
Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Original application April 19, 1941, Serial No. 389,332. Divided and this application June 13, 1941, Serial No. 397,865
3 Claims. (Cl. 260-464)

1. A method for the β -cyanoethylation of a cyclic ketone having at least one hydrogen atom on a carbon atom adjacent to the carbonyl group of the cycle, which comprises condensing acrylonitrile with said cyclic ketone in the presence of a strongly basic quaternary ammonium hydroxide.

2,386,738
CHIME SIGNAL
Joseph Ralph Corbett, Sharonville, Ohio, assignor to NuTone, Incorporated, New York, N. Y., a corporation of New York
Application July 5, 1943, Serial No. 493,532
4 Claims. (Cl. 177-7)

1. A chime signal comprising a supporting member which is adapted to be fastened to a wall, a cover member having side wall members adapted to be attached to said supporting member to form a housing therewith, clips spaced apart from one another and mounted on the inside face of said cover for holding a battery

therebetween, a bracket extending laterally from said supporting member and having yieldable contacts projecting therefrom for engaging the terminals of said battery supported between said clips, an electromagnetic striker unit positioned within said housing and comprising a solenoid

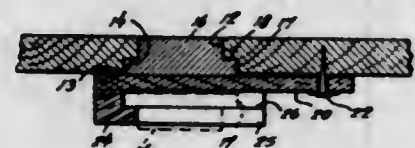


having its terminals in partial circuit connection with said yieldable contacts and a chime bar contained within said housing, the said electromagnetic striker unit being offset from said bracket and having a striker positioned for striking engagement with said chime bar.

2,386,739

ARTICLE OF FURNITURE

Sylvia D. Epworth, New York, N. Y., assignor to George Spalt & Sons, Inc., Albany, N. Y., a corporation of New York
Application April 8, 1944, Serial No. 530,194
5 Claims. (Cl. 311-1)

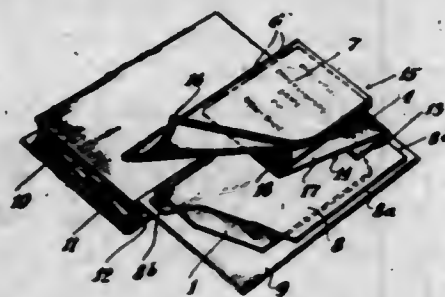


1. A table or the like having an opening in the top thereof through which a lamp cord may pass, and a removable plug for such opening, forming a closure therefor, the plug being formed with means for limiting upward movement of such plug, the upper surface of the plug when in inserted position being planar with the upper surface of the table top, and retaining means for the plug comprising a block pivotally mounted on the lower surface of the table top, the block being swingable to one side of the opening to permit the plug to be removed.

2,386,740

SUPPLEMENT BOOK

Milton H. Harris, Brooklyn, N. Y.
Application June 10, 1944, Serial No. 539,734
3 Claims. (Cl. 281-17)



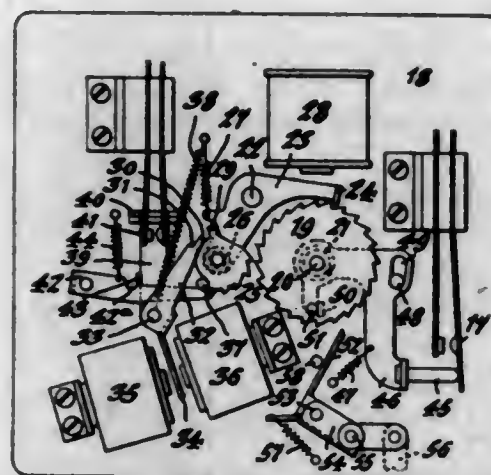
3. A combination of a book and pocket supplement wherein the book has a pocket on the inside

of one of its covers, said supplement comprising a pocket arm insertable in said pocket with a snug fit, a trunk hinged to a vertical border of said pocket arm, the upper horizontal border of said trunk extending along the upper edge of said cover when said arm is inserted in said pocket, a second arm extending from said trunk, said second arm having two panels, the first of said panels being hinged to said trunk along its said horizontal border and said second panel being hinged to said first panel along a line parallel to said horizontal border, and a plurality of superimposed supplement leaves having printed matter thereon secured to said second panel at the inner vertical edges of said leaves, said arms and trunk being made of material stiffer than said leaves, said panels being foldable into the confines of the covers of said book when said pocket arm is in said pocket and in said infolded position the supplement leaves lie within said confines with their inner edges parallel and adjacent to the back of said book, and said panels being unfoldable to outside the confines of said covers and in said outfolded position the supplement leaves lie outside said confines with their lower edges parallel and adjacent to the upper edges of said covers, said printed matter being right side up in both of said positions.

2,386,741

MULTIPLE COIN DEVICE

Otto A. Hokanson, Snyder, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application January 12, 1944, Serial No. 517,963
17 Claims. (Cl. 194-9)

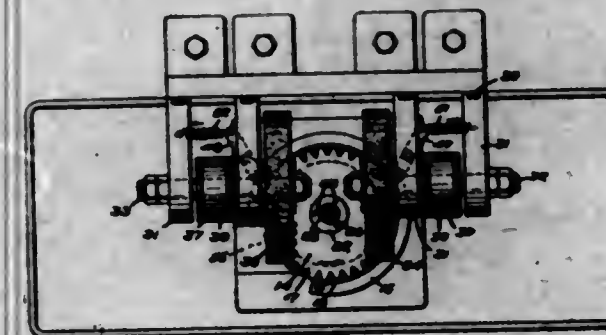


2. In a coin device of the character described, a switch, a ratchet wheel having a trip element controlling said switch and including means for normally urging it to turn in a switch-closing direction, a feed pawl for turning said wheel in the opposite direction toward a switch-opening position, an escapement pawl having a tooth at one end normally engageable with the wheel for preventing its turning in one direction and a revolvable toothed detent at its other end engageable with said wheel when the pawl-tooth is released therefrom to limit the degree of intermittent movement of the ratchet wheel in its switch-closing direction as determined by different denomination coins, and stop means governed by such different denomination coins for limiting the rotation of said toothed detent and the companion travel of the ratchet wheel.

2,386,742

GRINDING MACHINE

Arden B. MacNeill, Waltham, Mass.
Application December 30, 1944, Serial No. 570,710
2 Claims. (Cl. 51-108)

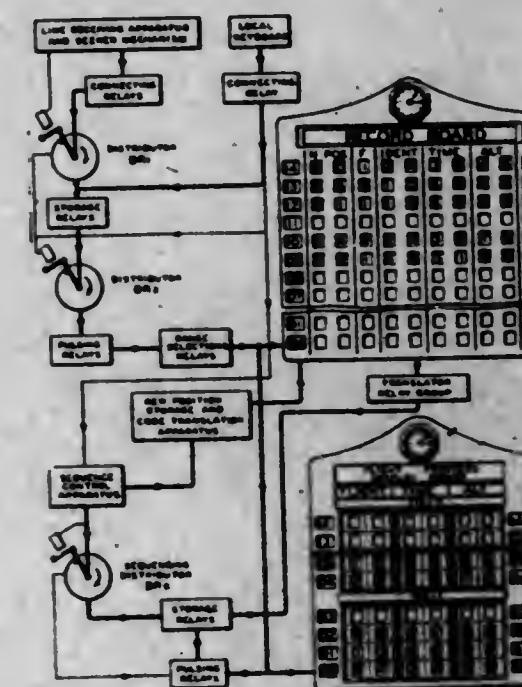


1. A grinder, comprising a feed wheel having a peripheral series of spaced pockets of a shape and depth each to contain a blank endwise therein with one end of the blank projecting beyond one face of said feed wheel, means for rotating said feed wheel in a constant direction, a grinding wheel positioned to rotate in a path which intersects that described by the projecting ends of the blanks contained within the pockets of the feed wheel, means for rotating said grinding wheel, means for confining the blanks in said pockets for a portion of the revolution of said feed wheel, and means for applying additional pressure against the blank-confining means at that portion of the arcual travel of the blanks at which they are acted upon by said grinding wheel thereby to seat the blanks tightly in the pockets while they are being acted upon by said wheel, and means for successively ejecting the finished blanks from said pockets after they have been acted upon by said grinding wheel.

2,386,743

COMMUNICATION AND POSTING SYSTEM

Harold F. May, Valley Stream, and Joseph C. Marshall, Baldwin, N. Y., assignors to The Tele-register Corporation, New York, N. Y., a corporation of Delaware
Application January 15, 1944, Serial No. 518,370
15 Claims. (Cl. 177-353)



6. A system for posting information regarding a plurality of different items, comprising a display board having a plurality of groups of indicating devices, the groups being respectively assignable to different ones of said items for displaying information in regard thereto, a record board on which information in regard to the items may

579 O. G.-21

be stored in random order, said record board comprising a plurality of groups of signal storage devices, the groups being respectively assignable to different ones of said items for storing electrical signal conditions representing the designation of an item and information in regard to the item, said signal storage devices including means for storing electrical signal conditions representing the present positions in which the items are posted on the display board and the new positions to which the items are to be transferred on the display board, and sequencing apparatus including means controlled by said signal storage devices for selectively energizing the indicating devices of the display board to transfer the items of information from their present positions on the display board to new positions thereon and display them in predetermined serial order.

2,386,744

PLASTIC MASSES

Frederick J. Myers, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application July 16, 1942,
Serial No. 451,211
15 Claims. (Cl. 260-6)

1. A process for preparing an infusible, heat non-convertible, homogeneous, plastic mass, which comprises mechanically working together between about 45° C. and about 180° C. until the resulting product is essentially insoluble in hydrocarbon solvents about 100 parts of an organic, solvent-soluble, non-oil-modified condensate of a saturated, aliphatic, dicarboxylic acid having an uninterrupted chain including the carbon atoms of the carboxyl groups of at least six carbon atoms and a polyhydric alcohol and from about two to about thirty parts of a hydrocarbon-soluble condensate of a member of the class consisting of carbamides and aminotriazines, formaldehyde and an aliphatic alcohol of not over twelve carbon atoms.

2,386,745

STEERABLE TOY

Ira Lee Yarbrough, Chicago, Ill.
Application July 14, 1944, Serial No. 544,917
5 Claims. (Cl. 46-201)



1. In a steerable toy, a body, front and rear wheels for supporting said body, said body being tiltably mounted relative to said wheels on a fore and aft axis, said front wheels being steerable on vertical axes relative to said body, steering arms for said front wheels, a tie rod connecting said steering arms together, and a connection between said body and said tie rod to move the tie rod and thereby impart steering movement to front wheels as a result of tilting of said body relative to said wheels.

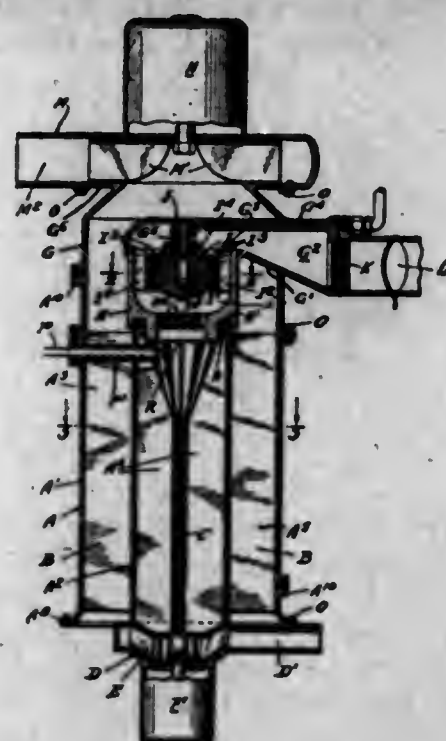
**2,386,746
HEATER**

Frederic O. Hess, Germantown, Pa., assignor to Sclas Corporation of America, a corporation of Pennsylvania

Application September 29, 1941, Serial No. 412,776
6 Claims. (Cl. 158—96)

1. A heater comprising a heating unit for heating a medium adapted to flow in heat exchange relation therewith, said unit including means providing a passage forming a substantially closed heating space having an inlet at one end and an outlet at its opposite end, said heating space being imperforate except at the inlet and outlet, a burner at the inlet arranged to close the latter and communicating with said heating space, structure to provide for said burner a mixture of combustion supporting air and fuel which is completely combustible, said structure including means for distributing fuel supplied thereto and providing an extended surface adapted to be wetted and from which fuel vaporizes and mixes with combustion supporting air flowing in physical contact therewith, means for igniting said complete mixture at said burner, said burner including means to discharge said complete mixture into said space in a multiplicity of jets so that substantially complete burning of the jets may be accomplished at and in the

immediate vicinity of said burner and substantially only heated products of combustion pass into said heating space from the vicinity of said



burner at the inlet, and said heated products of combustion passing from said heating space at the outlet.

DESIGNS

OCTOBER 9, 1945

142,508

DESIGN FOR A MEAT TENDERER

Arthur H. Ahndt, La Porte, Ind., assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana

Application July 17, 1944, Serial No. 114,425

Term of patent 14 years

(Cl. D55—1)



The ornamental design for a meat tenderer, as shown.

142,509

DESIGN FOR A DOLL

Gudrun Olive Anderson, Eugene, Oreg.

Application November 4, 1944, Serial No. 116,140

Term of patent 3½ years

(Cl. D34—4)



The ornamental design for a doll, as shown.

142,510

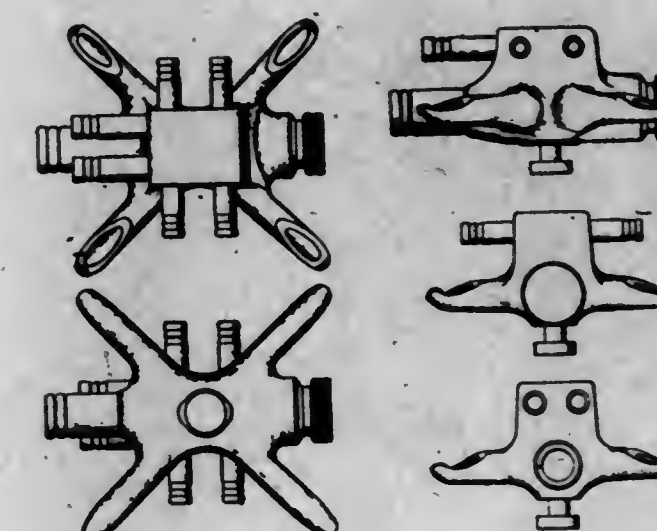
DESIGN FOR A MILKING MACHINE CLAW

Gustave A. Anderson, Chicago, Ill.

Application May 28, 1945, Serial No. 119,758

Term of patent 14 years

(Cl. D23—1)



The ornamental design for a milking machine claw, substantially as shown.

142,511

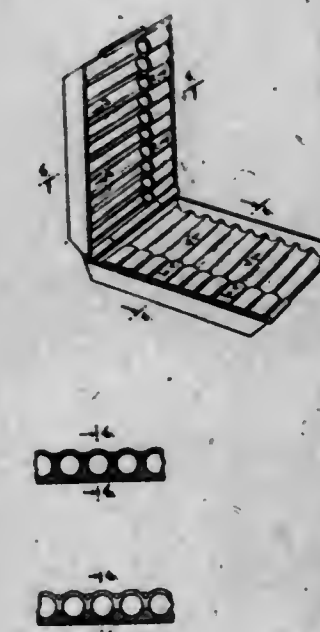
DESIGN FOR A CIGARETTE CASE

James Murray Beveridge, Bronxville, N. Y., and Clifton J. Cowan, East Orange, N. J., assignors to Malcolm A. Vendig Company, Incorporated, New York, N. Y., a corporation of New York

Application May 2, 1945, Serial No. 119,362

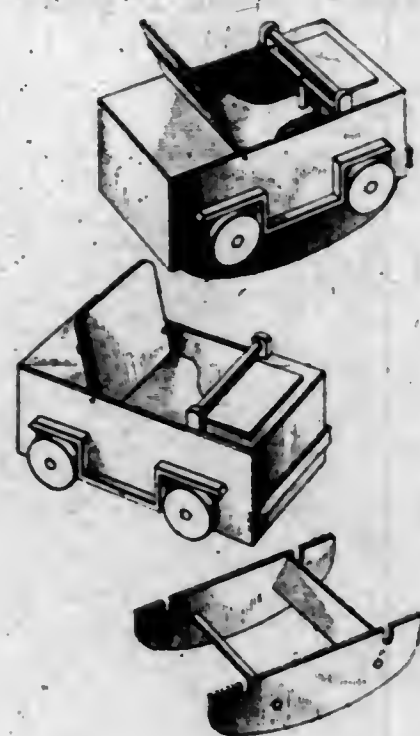
Term of patent 14 years

(Cl. D85—2)



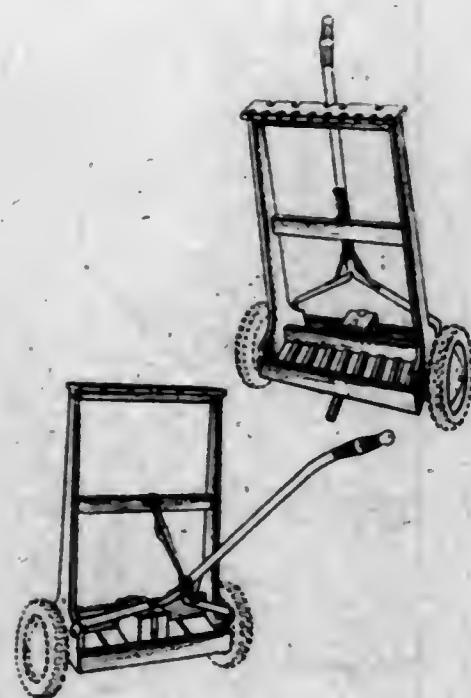
The ornamental design for a cigarette case, as shown and described.

142,512
DESIGN FOR A COMBINATION CHILD'S
CART AND ROCKER
 Alfred J. Cronk, Chicago, Ill.
 Application December 8, 1944, Serial No. 116,795
 Term of patent $3\frac{1}{2}$ years
 (Cl. D34—15)



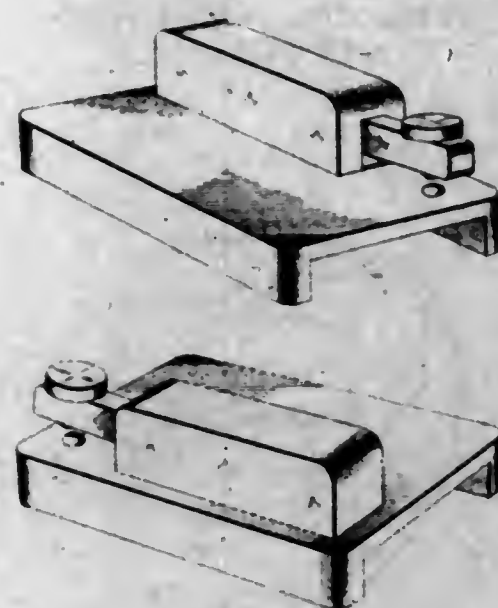
The ornamental design for a combination child's cart and rocker, substantially as shown and described.

142,513
DESIGN FOR A GOLF CLUB CARRIER
 Thomas Cross, Saginaw, Mich.
 Application April 12, 1945, Serial No. 118,959
 Term of patent 7 years
 (Cl. D14—3)



The ornamental design for a golf club carrier, as shown and described.

142,514
DESIGN FOR A TOY TELEGRAPH KEY
 Herbert U. Dernehl, Milwaukee, Wis.
 Application December 30, 1944, Serial No. 117,174
 Term of patent 7 years
 (Cl. D34—15)



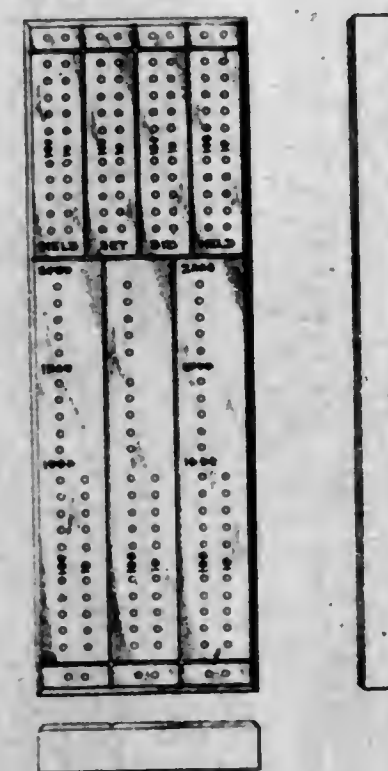
The ornamental design for a toy telegraph key, as shown and described.

142,515
DESIGN FOR A COAT
 Sidney Dumlér, New York, N. Y.
 Application June 6, 1945, Serial No. 119,935
 Term of patent $3\frac{1}{2}$ years
 (Cl. D3—4)



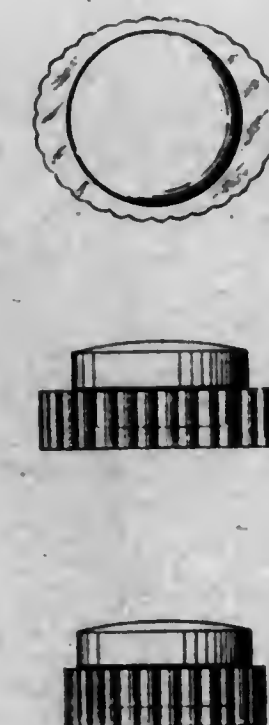
The ornamental design for a coat, substantially as shown.

142,516
DESIGN FOR A PINOCHLE BOARD
 Harold W. Eaton, Worcester, and Burt Trook,
 Westboro, Mass.
 Application June 14, 1945, Serial No. 120,107
 Term of patent 14 years
 (Cl. D34—5)



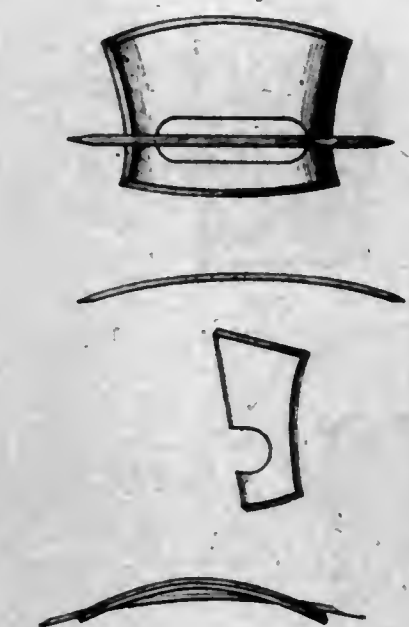
The ornamental design for a pinochle board, as shown.

142,517
DESIGN FOR A JAR OR SIMILAR ARTICLE
 Murray Fred Furman, Brooklyn, N. Y., assignor
 to Chesebrough Manufacturing Company, Con-
 solidated, New York, N. Y., a corporation of
 New York
 Application January 13, 1945, Serial No. 117,423
 Term of patent 14 years
 (Cl. D58—25)



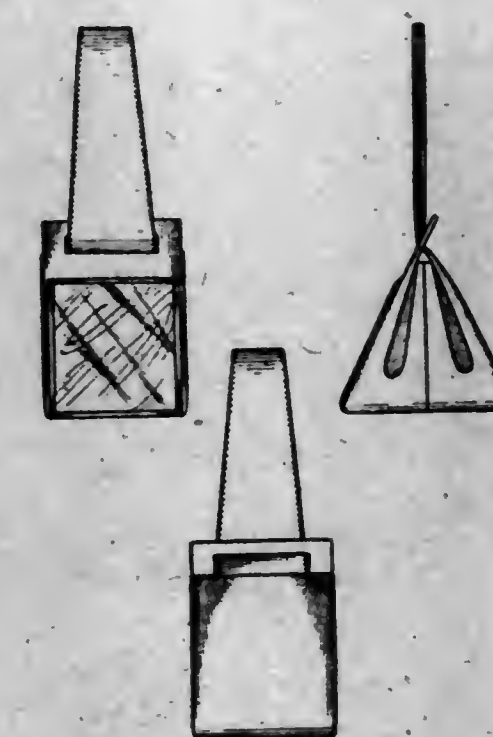
The ornamental design for a jar or similar article, as shown.

142,518
DESIGN FOR A TWO-PIECE HAIR
ORNAMENT
 Joseph Halpern, New York, N. Y.
 Application June 25, 1945, Serial No. 120,337
 Term of patent 14 years
 (Cl. D86—10)



The ornamental design for a two-piece hair ornament, substantially as shown.

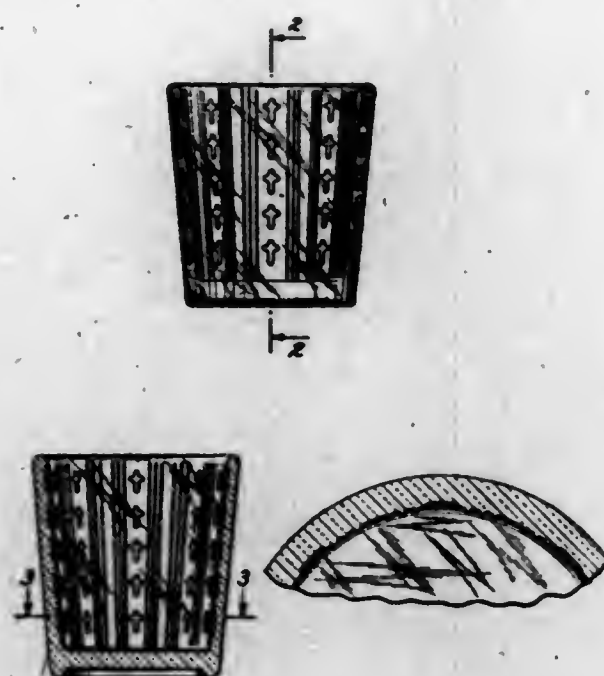
142,519
DESIGN FOR A HANDBAG
 Frank X. Hilttenbrand, New York, N. Y.
 Application October 7, 1944, Serial No. 115,662
 Term of patent $3\frac{1}{2}$ years
 (Cl. D87—3)



The ornamental design for a handbag, substantially as shown.

142,520

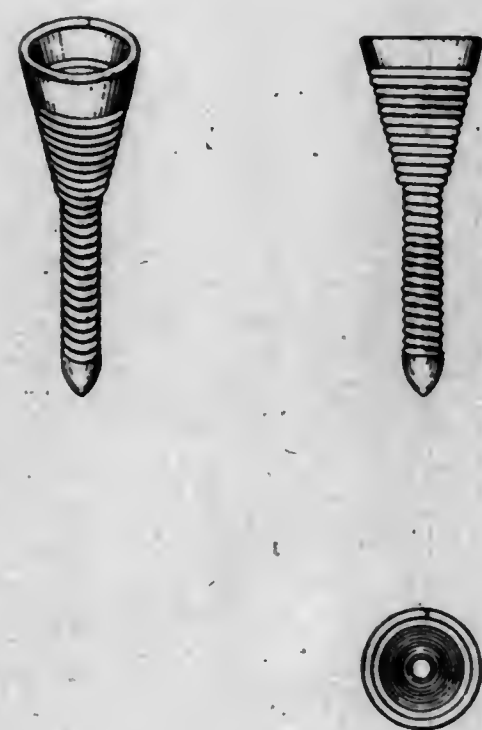
DESIGN FOR A VIGIL GLASS
 Frederick R. Hodges, Chicago, Ill.
 Application June 8, 1945, Serial No. 119,965
 Term of patent 14 years
 (Cl. D36—8)



The ornamental design for a vigil glass, substantially as shown.

142,521

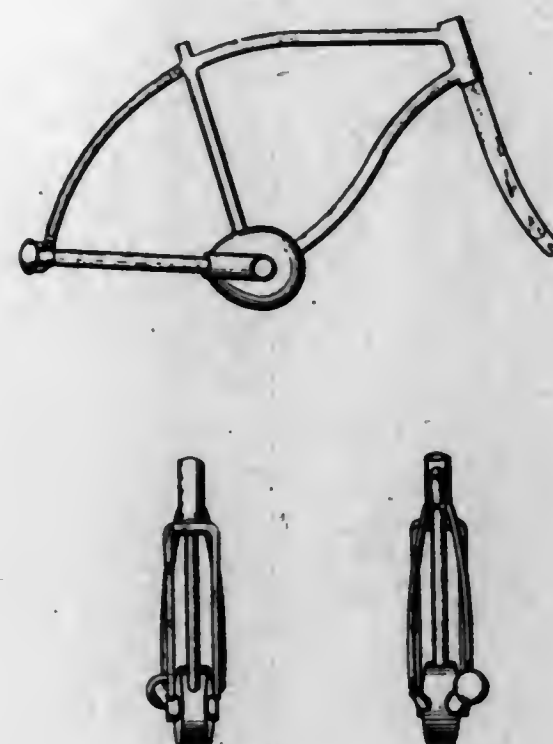
DESIGN FOR A GOLF TEE
 Joseph William Hughes, Southgate, London, England
 Application March 21, 1945, Serial No. 118,608
 In Great Britain February 14, 1945
 Term of patent 14 years
 (Cl. D34—5)



The ornamental design for a golf tee, substantially as shown.

142,522

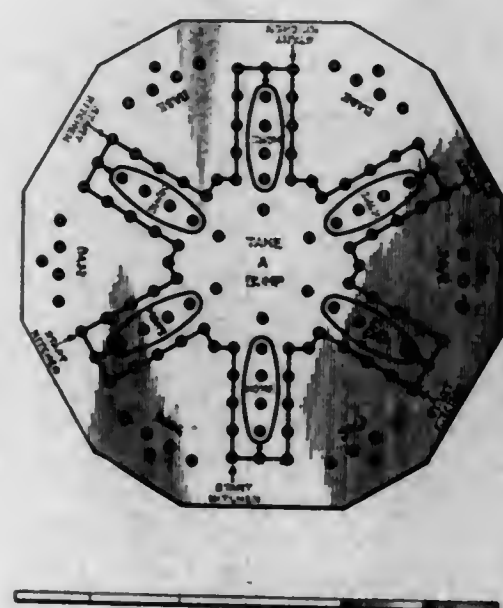
DESIGN FOR A BICYCLE FRAME OR THE LIKE
 Chester L. Hussey, Belchertown, Mass., assignor to Savage Arms Corporation, Utica, N. Y., a corporation of Delaware
 Application May 7, 1945, Serial No. 119,438
 Term of patent 14 years
 (Cl. D90—8)



The ornamental design for a bicycle frame or the like, as shown.

142,523

DESIGN FOR A GAME BOARD
 Sigvald V. Lervag, Little Falls, Minn.
 Application April 27, 1945, Serial No. 119,274
 Term of patent 7 years
 (Cl. D34—5)



The ornamental design for a game board, as shown.

142,524

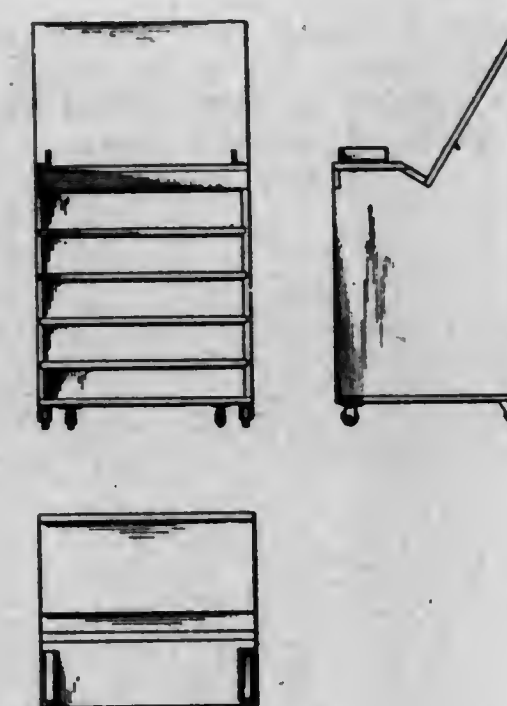
DESIGN FOR AN AMBULATORY TOY DUCK
 Calvin H. Markwood, Denver, Colo.
 Application March 27, 1945, Serial No. 118,736
 Term of patent 3½ years
 (Cl. D34—2)



The ornamental design for an ambulatory toy duck, as shown and described.

142,525

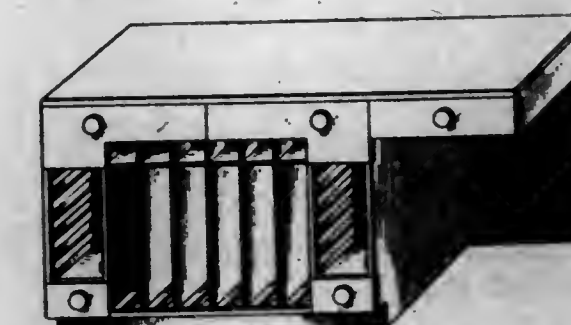
DESIGN FOR A DESK
 Raymond L. Myers, United States Army, Broome County, N. Y.
 Application February 7, 1945, Serial No. 117,794
 Term of patent 14 years
 (Cl. D33—7)



The ornamental design for a desk, as shown.

142,526

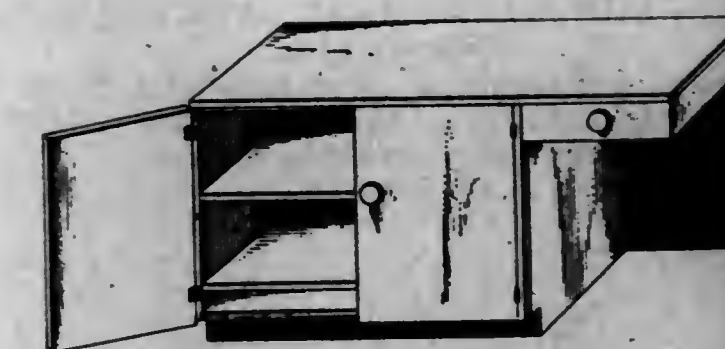
DESIGN FOR A DESK
 Raymond L. Myers, United States Army, Broome County, N. Y.
 Application February 7, 1945, Serial No. 117,795
 Term of patent 14 years
 (Cl. D33—7)



The ornamental design for a desk, as shown and described.

142,527

DESIGN FOR A DESK
 Raymond L. Myers, United States Army, Broome County, N. Y.
 Application February 7, 1945, Serial No. 117,796
 Term of patent 14 years
 (Cl. D33—7)

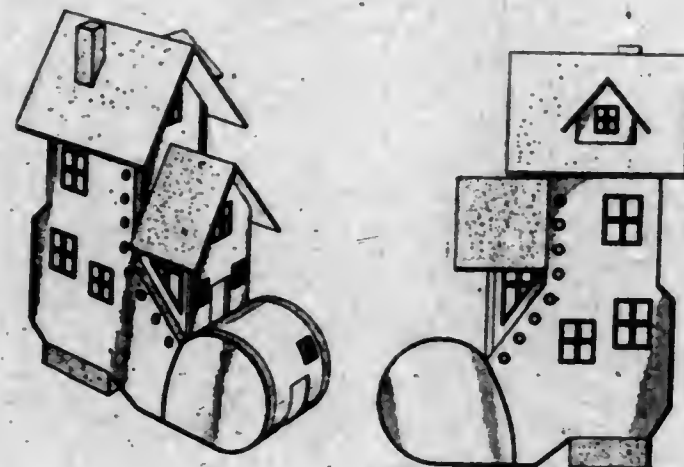


The ornamental design for a desk, as shown and described.

142,528

DESIGN FOR A TOY SHOE HOUSE

Edward J. Novak, Chicago, Ill.
Application March 5, 1945, Serial No. 118,272
Term of patent $3\frac{1}{2}$ years
(Cl. D34-15)



The ornamental design for a toy shoe house, substantially as shown.

142,529

DESIGN FOR A SLIPPER

George Popik, Hartford, Conn.
Application December 20, 1944, Serial No. 117,009
Term of patent $3\frac{1}{2}$ years
(Cl. D7-7)

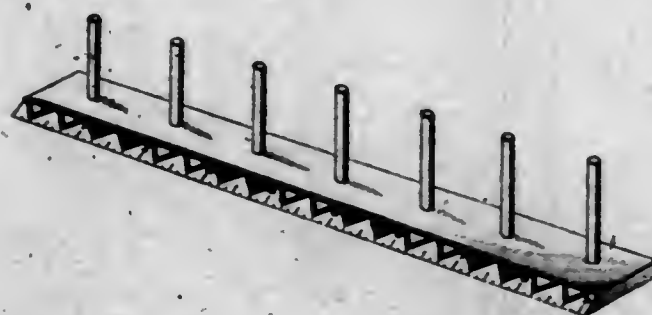


The ornamental design for a slipper, as shown.

142,530

DESIGN FOR A COMBINED SPOOL HOLDER AND RULER

Manfred Rosenblatt, Kew Gardens, N. Y.
Application June 7, 1945, Serial No. 119,942
Term of patent $3\frac{1}{2}$ years
(Cl. D3-19)

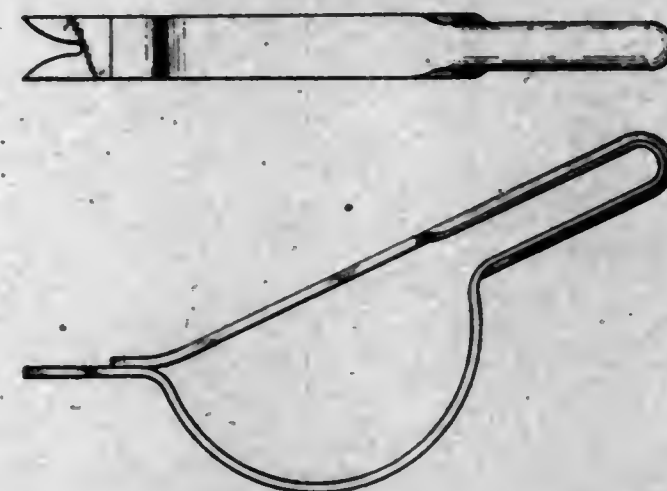


The ornamental design for a combined spool holder and ruler, substantially as shown.

142,531

DESIGN FOR A WEED PULLER

Robert T. Sand, Detroit, Mich.
Application May 17, 1945, Serial No. 119,589
Term of patent 14 years
(Cl. D35-2)



The ornamental design for a weed puller, as shown.

142,532

DESIGN FOR A SHOE HEEL

Eduardo Juan Scherini, Rosario, Argentina.
Application June 2, 1945, Serial No. 119,871
Term of patent 7 years
(Cl. D7-5)

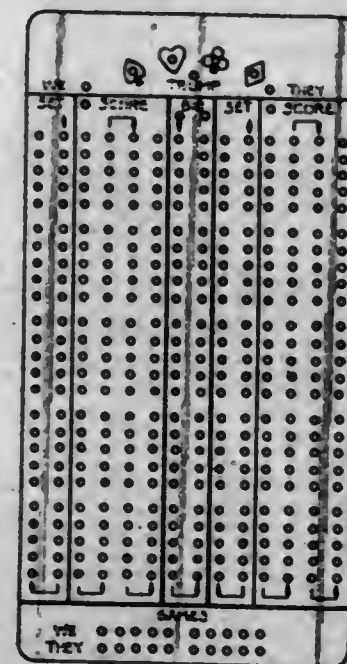


The ornamental design for a shoe heel, as shown and described.

142,533

DESIGN FOR A GAME COUNTING BOARD

Donovan N. Smith, Sr., South Bend, Ind.
Application February 19, 1945, Serial No. 118,032
Term of patent 7 years
(Cl. D34-5)

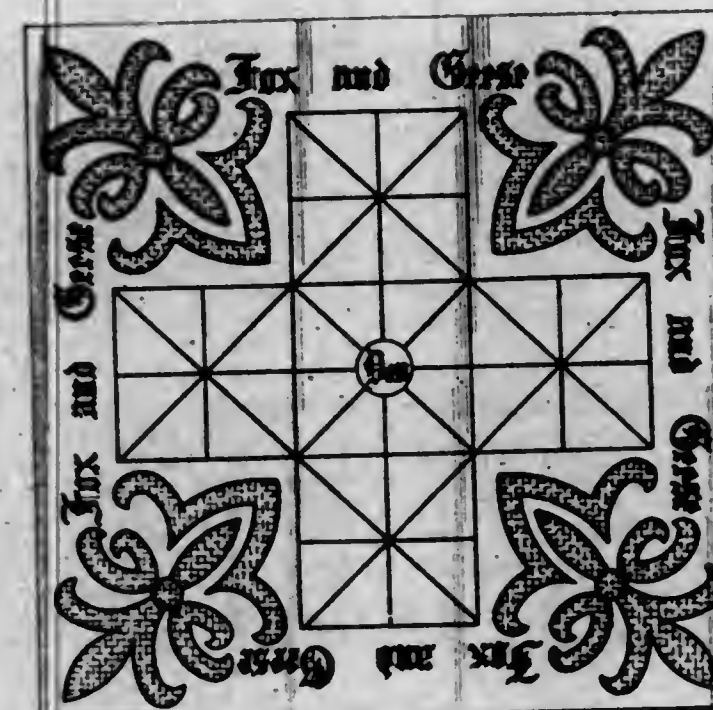


The ornamental design for a game counting board, as shown and described.

142,534

DESIGN FOR A GAME BOARD

John R. Stafford, Belleville, Ill.
Application January 25, 1945, Serial No. 117,598
Term of patent 14 years
(Cl. D34-5)

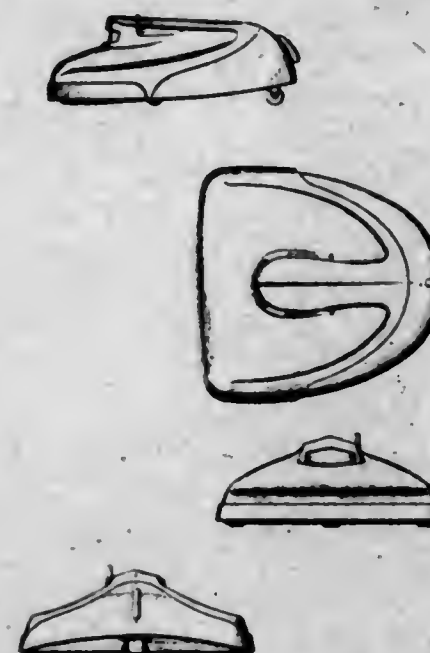


The ornamental design for a game board, as shown and described.

142,535

DESIGN FOR A VACUUM CLEANER CASING

Frederick K. Storm, Jr., Los Angeles, Calif.
Application January 8, 1945, Serial No. 117,342
Term of patent 14 years
(Cl. D9-2)

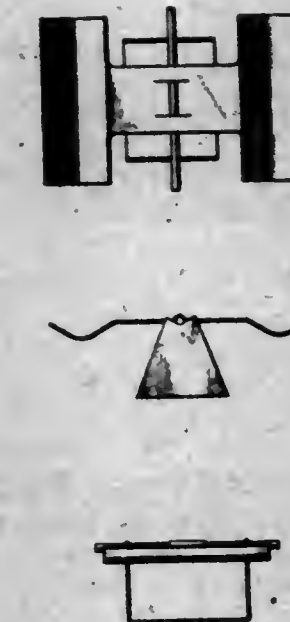


The ornamental design for a vacuum cleaner casing, substantially as shown.

142,536

DESIGN FOR A WEIGHING SCALE

Bernard M. Thiel, Mishawaka, Ind.
Application April 13, 1945, Serial No. 118,971
Term of patent $3\frac{1}{2}$ years
(Cl. D52-10)

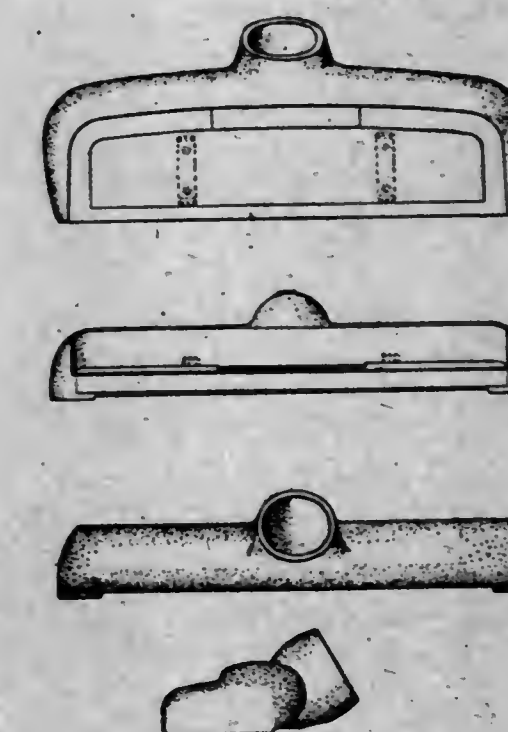


The ornamental design for a weighing scale, as shown.

142,537

DESIGN FOR A CONVERTER FOR SUCTION CLEANERS

George W. Walker, Pleasant Ridge, and Kenneth A. Hopkins, Pontiac, Mich., assignors to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application February 12, 1945, Serial No. 117,908
Term of patent 14 years
(Cl. D9-2)



The ornamental design for a converter for suction cleaners, as shown and described.

142,538
DESIGN FOR A COMBINED WINDOW SHADE
AND CURTAIN BRACKET
 Norman W. White, Longport, N. J.
 Application December 12, 1944, Serial No. 116,863
 Term of patent 14 years
 (Cl. D21-1)



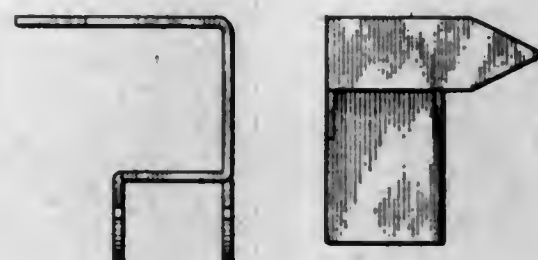
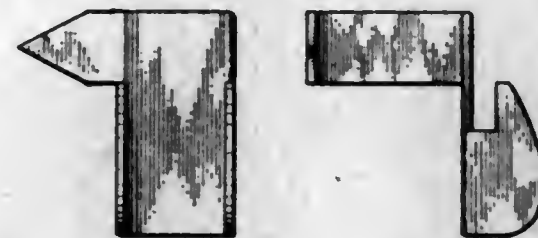
The ornamental design for a combined window shade and curtain bracket, as shown.

142,539
DESIGN FOR A CURTAIN BRACKET
 Norman W. White, Longport, N. J.
 Application March 29, 1945, Serial No. 118,751
 Term of patent 14 years
 (Cl. D21-1)



The ornamental design for a curtain bracket, as shown.

142,540
DESIGN FOR A CURTAIN BRACKET
 Norman W. White, Longport, N. J.
 Application March 29, 1945, Serial No. 118,752
 Term of patent 14 years
 (Cl. D21-1)



The ornamental design for a curtain bracket, as shown.

142,541
DESIGN FOR AN EMBROIDERED EDGING
 Gustav Zellweger, Union City, N. J.
 Application December 13, 1944, Serial No. 117,044
 Term of patent 14 years
 (Cl. D92-1)



The ornamental design for an embroidered edging, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

- Acme Manufacturing Co., Sedalia, Mo. Mops. Serial No. 473,083; Oct. 9. Class 29.
- American Radio Relay League, Inc., The, West Hartford, Conn. Monthly magazine. Serial No. 485,622; Oct. 9. Class 38.
- Ampco Twist Drill Company, Jackson, Mich. Twist drills, reamers, milling cutters, etc. Serial No. 476,092; Oct. 9. Class 23.
- Approved Products, Inc., doing business as House of Rembrandt, Philadelphia, Pa. Cologne. Serial No. 484,155; Oct. 9. Class 6.
- Aviation Research & Development Corporation, Fredericksburg, Va. Liquid composition for forming bubbles. Serial No. 483,165; Oct. 9. Class 6.
- Bailey-Pitzer Company, San Francisco, Calif. Canned fruits and vegetables. Serial No. 484,227; Oct. 9. Class 46.
- Basford, H. R. Co., San Francisco, Calif. Drain cleaners of the water actuated type. Serial No. 483,300; Oct. 9. Class 23.
- Beech Aircraft Corporation, Wichita, Kans. Airplanes of all kinds and structural parts thereof. Serial No. 484,009; Oct. 9. Class 19.
- Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Drain valves. Serial No. 485,000; Oct. 9. Class 13.
- Birtman Electric Company, Chicago, Ill. Electric space heaters and electric irons. Serial No. 465,863; Oct. 9. Class 21.
- Brunns Seed Company: See—
 Davenport Seed Company.
- Calton Corporation, Anaheim, Calif. Lemon juice. Serial No. 482,520; Oct. 9. Class 46.
- Cavu Clothes, Cincinnati, Ohio. Outer shirts and jackets for men and women. Serial Nos. 472,233-4; Oct. 9. Class 39.
- "Colos" International Company for Commerce and Industry, Inc., New York, N. Y. Enameled metal table and cooking hollowware. Serial No. 483,467; Oct. 9. Class 13.
- Columbia Brick Works, Portland, Oreg. Burnt clay brick, stepping tile, hollow tile, and roughing tile. Serial Nos. 470,963-4; Oct. 9. Class 12.
- Consolidated Cosmetics, Chicago, Ill. Face powder, hand cream, lipstick, etc. Serial No. 484,010; Oct. 9. Class 6.
- Continental Machines, Incorporated, Minneapolis, Minn. Combination rectifier and magnetizer and demagnetizer. Serial No. 480,438; Oct. 9. Class 21.
- Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. Serial No. 485,200; Oct. 9. Class 6.
- Culley, Ralph H., doing business as Life-Time Dishwell Co., Rochester, N. Y. Sinks. Serial No. 485,046; Oct. 9. Class 13.
- Davenport Seed Company, also doing business as Brunns Seed Company, Davenport, Iowa. Hybrid seed corn and farm seeds generally. Serial No. 484,560; Oct. 9. Class 1.
- Dir-Kleen Company, Chicago, Ill. Soapless cleaning compound. Serial No. 483,609; Oct. 9. Class 4.
- Dyer, D. L., doing business as Hobby Stationers, Kansas City, Mo. Stationery. Serial No. 483,764; Oct. 9. Class 37.
- Electric Steam Radiator Corporation, Detroit, Mich. Heating devices. Serial No. 471,793; Oct. 9. Class 21.
- Elston, Edwin, Los Angeles, Calif. Sensitized photograph films, still and movie cameras, and projectors and tripods. Serial No. 484,672; Oct. 9. Class 26.
- Elston, Edwin, Los Angeles, Calif. Photographic chemicals. Serial No. 484,673; Oct. 9. Class 6.
- Endee Sportswear, Inc., New York, N. Y. Men's, women's, boys', and girls' leisure coats, men's and boys' pea coats, etc. Serial No. 471,869; Oct. 9. Class 39.
- Englehart, Harold, Akron, Ohio. Hand cleaners. Serial No. 484,834; Oct. 9. Class 4.
- Essex Wire Corporation, Detroit, Mich. Electrical switches, relays, solenoids, etc. Serial No. 482,567; Oct. 9. Class 21.
- Euclid Underwriting Corporation, The, Brooklyn, N. Y. Candy. Serial No. 485,634; Oct. 9. Class 46.
- F.R. Corporation, The, New York, N. Y. Soapless detergent. Serial No. 483,368; Oct. 9. Class 4.
- Freel, John A., doing business as Michigan Specialty and Manufacturing Co., Bay City, Mich. Metal Christmas tree holders. Serial No. 482,485; Oct. 9. Class 13.
- French Sardine Co., Terminal Island, Calif. Cat food. Serial No. 484,681; Oct. 9. Class 46.
- Garberding, Waldo L., doing business as Twentieth Century Mfg. Co., Chicago, Ill. Electrical lamps. Serial No. 474,407; Oct. 9. Class 21.
- General Textile Mills, Inc., New York, N. Y. Rigid and semi-rigid casings, with removable covers, for parachute packs of various types. Serial No. 469,119; Oct. 9. Class 19.
- Gordon-Lacey Chemical Products Co., New York, N. Y. Plastic compositions in sheet, rod and tube form and vinyl resins. Serial No. 483,262; Oct. 9. Class 1.
- Green, A. P. Fire Brick Company, Mexico, Mo. Bonding mortar. Serial No. 482,800; Oct. 9. Class 12.
- Higgins Laboratories, Inc., New Orleans, La. Paratroop radio telephones, radio frequency crystals and short wave telephone transmitters and receivers. Serial No. 479,480; Oct. 9. Class 21.
- Hitt Fireworks Company, Seattle, Wash. Scare away salutes. Serial No. 483,319; Oct. 9. Class 9.
- Hobby Stationers: See—
 Dyer, D. L.
- House of Rembrandt: See—
 Approved Products, Inc.
- Hudnut, Richard, New York, N. Y. Deodorants of liquid and cream type face powder, rouge, etc. Serial No. 476,738; Oct. 9. Class 6.
- Huntington, Frederick T., doing business as R. C. B. S. Company, Oroville, Calif. Dies for private use. Serial No. 467,341; Oct. 9. Class 9.
- Illinois Testing Laboratories, Inc., Chicago, Ill. Electrical temperature measuring instruments and parts thereof. Serial No. 477,699; Oct. 9. Class 26.
- International Importing Company, Boston, Mass. Canned fruits and canned vegetables, dried dates, etc. Serial No. 478,873; Oct. 9. Class 46.
- Kaktine Company, The, Glendale, Calif. Shampoo. Serial No. 484,408; Oct. 9. Class 6.
- Kellogg Company, Battle Creek, Mich. Brewers' grits. Serial No. 486,260; Oct. 9. Class 47.
- Kinney, H. W., and Sons, Inc., Columbus, Ind. Liver-iron-thiamin preparation. Serial No. 484,788; Oct. 9. Class 6.
- L & R Organic Products Co., Inc., New York, N. Y. Dye assistants, dyes and dyestuffs. Serial No. 482,429; Oct. 9. Class 6.
- Life-Time Dishwell Co.: See—
 Culley, Ralph H.
- Meta Cine Company, Chattanooga, Tenn. Medicine for human internal use. Serial No. 482,808; Oct. 9. Class 6.
- Michigan Specialty and Manufacturing Co.: See—
 Freel, John A.
- Morris & Yeomans Ltd., Redditch, England. Needles, hat pins, knitting pins, etc. Serial No. 478,928; Oct. 9. Class 40.
- Neco Tool Co., Inc., New York, N. Y. Metal cutting tools. Serial Nos. 482,437-8; Oct. 9. Class 23.
- Nuodex Products Co., Inc., Elizabeth, N. J. Dispersing agents for pigmented coating materials. Serial No. 481,122; Oct. 9. Class 16.
- Old Dutch Industrial Products Co., Inc., Harrison, N. J. Shoe dyes. Serial No. 482,177; Oct. 9. Class 6.
- Old Rip Van Winkle Grist Mill, Inc., The, Catskill, N. Y. Bread, rolls, cakes, etc. Serial No. 481,155; Oct. 9. Class 46.
- Padre Vineyard Company, Los Angeles, Calif. Brandy. Serial No. 485,538; Oct. 9. Class 49.
- Padre Vineyard Company, Los Angeles, Calif. Wines. Serial No. 485,539; Oct. 9. Class 47.
- Panoramic Radio Corporation, New York, N. Y. Radio receivers and radio transmitters. Serial No. 471,279; Oct. 9. Class 21.
- Post Watch Company, New York, N. Y. Horological instruments. Serial No. 483,030; Oct. 9. Class 27.
- Quinn, K. J., & Co. Inc., Boston, Mass. Preparation in paste or semi-paste form. Serial No. 471,458; Oct. 9. Class 4.
- R. C. B. S. Company: See—
 Huntington, Frederick T.
- Sel-Mor Garment Company, Inc., St. Louis, Mo. Lingerie. Serial No. 484,708; Oct. 9. Class 39.
- Sel-Mor Garment Company, Inc., St. Louis, Mo. Lingerie. Serial Nos. 484,712-13; Oct. 9. Class 39.
- Simplex Cloth Cutting Machine Company, New York, N. Y. Knife sharpening machines. Serial No. 481,029; Oct. 9. Class 23.
- Sisk, Albert W., & Son, Preston, Md. Canned vegetables. Serial No. 474,302; Oct. 9. Class 46.
- Sonneborn, L., Sons, Inc., New York, N. Y. U. S. P. white mineral oil. Serial No. 484,973; Oct. 9. Class 6.
- Southeastern Mills, Inc., Rome, Ga. Wheat flour. Serial No. 483,454; Oct. 9. Class 46.
- Spracher, Clifford D., Downey, Calif. Safety switches. Serial No. 482,222; Oct. 9. Class 21.
- Starline Inc., Harvard, Ill. Door hangers and door track. Serial No. 484,329; Oct. 9. Class 13.
- Surprenant, Albert H., Boston, Mass. Electric insulated wire, electric cords, electric insulating tubing, etc. Serial No. 482,715; Oct. 9. Class 21.

Trimcrest Corp., New York, N. Y. Ladies' slips and night-gowns. Serial No. 484,720; Oct. 9. Class 39.
 Twentieth Century Mfg. Co.: See—
 Garberding, Waldo L.
 Unique Fibers, Inc., New York, N. Y. Yarn spun from mixtures of rayon and fur, etc. Serial No. 484,921; Oct. 9. Class 43.
 United States Gypsum Company, Chicago, Ill. Industrial gypsum fillers, lime and ground limestone. Serial No. 456,994; Oct. 9. Class 1.
 Vitamin-Erg Co., Inc., New York, N. Y. Laxative containing cascara sagrada. Serial No. 483,638; Oct. 9. Class 6.

Vitamin-Erg Co., Inc., New York, N. Y. Ephedrine containing preparation. Serial No. 483,639; Oct. 9. Class 6.
 Wilco Company, Los Angeles, Calif. Dry cleaner, cloth cleaner, hat cleaner, etc. Serial No. 482,861; Oct. 9. Class 4.
 Wilcox Electric Company, Inc., Kansas City, Mo. Radio communication transmitters and receivers. Serial No. 480,810; Oct. 9. Class 21.
 Willys-Overland Motors, Inc., Toledo, Ohio. Automobiles and structural parts thereof. Serial No. 482,512; Oct. 9. Class 19.
 Wolfenden, R., & Sons, Attleboro, Mass. Yarn. Serial No. 482,562; Oct. 9. Class 43.

LIST OF REGISTRANTS OF TRADE-MARKS

Abraham & Straus, Inc.: See—
 Abraham & Straus.
 Abraham & Straus to Abraham & Straus, Inc., Brooklyn, N. Y. Sewing-machines and sewing-machine attachments. 48,362; re-renewed Dec. 26, 1945. O. G. Oct. 9. Class 23.
 Agency Paper Company, New York, N. Y. Carbon paper and typewriter ribbons. 416,978; Oct. 9; Serial No. 480,685; published July 24, 1945. Class 11.
 Agency Paper Company, New York, N. Y. Carbon paper and typewriter ribbons. 416,979; Oct. 9; Serial No. 480,687; published July 24, 1945. Class 11.
 Aktiebolaget Dentatus, Stockholm, Sweden. Dental articulators. 416,959; Oct. 9; Serial No. 476,490; published July 31, 1945. Class 44.
 American Chicle Company, Long Island City, N. Y. Chewing-gum. 207,397; renewed Dec. 29, 1945. O. G. Oct. 9. Class 46.
 American Crayon Company, The, Sandusky, Ohio. Art products. 416,993; Oct. 9; Serial No. 481,598; published July 31, 1945. Class 16.
 American Varnish Company, The, Chicago, Ill. Colorless linoleum finish and preservatives in liquid form. 416,991; Oct. 9; Serial No. 481,511; published July 31, 1945. Class 16.
 American Wine Company: See—
 American Wine Co.
 American Wine Co., to American Wine Company, St. Louis, Mo. Champagne or sparkling wine. 46,969; re-renewed Oct. 17, 1945. O. G. Oct. 9. Class 47.
 Amusement Publishing Co., Atlantic City, N. J. Weekly periodical. 417,049; Oct. 9. Class 38.
 Atkins, E. C., and Company, Indianapolis, Ind. Saws of all kinds, trowels of all kinds, corn knives, etc. 416,952; Oct. 9; Serial No. 473,794; published Apr. 17, 1945. Class 23.
 Atkins, E. C., and Company, Indianapolis, Ind. Saws of all kinds, trowels of all kinds, corn knives, etc. 416,952; Oct. 9; Serial No. 473,795; published July 24, 1945. Class 23.
 Atlas Supply Company, Newark, N. J. Brake shoes, lined, for use on vehicles. 416,950; Oct. 9; Serial No. 472,833; published Dec. 5, 1944. Class 19.
 Aultman & Taylor Machinery Company, The, Mansfield, Ohio, to The Babcock & Wilcox Company, New York, N. Y. Steel castings. 45,067; re-renewed Aug. 8, 1945. O. G. Oct. 9. Class 14.
 Babcock & Wilcox Company, The: See—
 Aultman & Taylor Machinery Company, The.
 Baldwin Company, The: See—
 Baldwin Piano Co., The.
 Baldwin Piano Co., The, to The Baldwin Company, Cincinnati, Ohio. Pianos. 46,059; re-renewed Sept. 5, 1945. O. G. Oct. 9. Class 36.
 Ball, F. M., & Company, Oakland, Calif. Canned vegetables. 416,941; Oct. 9; Serial No. 465,938; published Feb. 29, 1944. Class 46.
 Belco's Cosmetics, Ltd., New York, N. Y. Hand and face lotions. 417,033; Oct. 9. Class 6.
 Bennett Textile Company, Inc., Cohoes, N. Y. Knit underwear. 207,244; renewed Dec. 22, 1945. O. G. Oct. 9. Class 39.
 Berry & Son, to Blue Seal Food Products, Inc., Chicago, Ill. Mayonnaise dressing, Thousand Island dressing, French dressing, etc. 207,278; renewed Dec. 29, 1945. O. G. Oct. 9. Class 46.
 Best & Russell Company, Chicago, Ill., to General Cigar Co., Inc., New York, N. Y. Cigars, snuff, and tobacco. 26,468; re-renewed Apr. 23, 1945. O. G. Oct. 9. Class 17.
 Blair of Virginia: See—
 Morton Manufacturing Corporation.
 Blue Seal Food Products, Inc.: See—
 Berry & Son.
 Booktab, Inc., New York, N. Y. Monthly magazine. 417,019; Oct. 9. Class 38.
 Borg-Warner Corporation: See—
 Wheeler-Schebler Carburetor Co., The.
 Botany Worsted Mills, Passaic, N. J., and New York, N. Y., to Botany Worsted Mills, Passaic, N. J. Woolen dress goods. 48,273; re-renewed Dec. 19, 1945. O. G. Oct. 9. Class 42.

Brumbeau Clothes, Inc., Norfolk, Va. Men's suits, coats, pants, etc. 417,036; Oct. 9. Class 39.
 Burgundy Frocks, New York, N. Y. Ladies' misses', and junior misses' articles of apparel. 417,011; Oct. 9. Class 39.
 Burton & Dreyer, Waukegan, Ill. General line of candies. 416,994; Oct. 9; Serial No. 481,611; published July 31, 1945. Class 46.
 Callaway Mills, LaGrange, Ga. Oiled cloth. 416,954; Oct. 9; Serial No. 474,575; published July 10, 1945. Class 20.
 Carpenter Steel Company, The, Reading, Pa. Steel in the form of wire, strips, bars, etc. 416,984-7; Oct. 9; Serial Nos. 481,356-9; published July 17, 1945. Class 14.
 Carsello Chemical Products, Chicago, Ill. Washing and cleaning compound. 416,988; Oct. 9; Serial No. 481,572; published July 31, 1945. Class 4.
 Carter, Larned, and Co., Detroit, Mich., to The Crown Overall Mfg. Company, Cincinnati, Ohio. Coats, pants, overalls, and blouses. 48,481; re-renewed Jan. 2, 1945. O. G. Oct. 9. Class 39.
 Cedarhurst Wine & Liquor Co., Inc., Cedarhurst, N. Y. Habanero, tequila, alcoholic cordials, and gin. 417,014; Oct. 9. Class 49.
 Central Lemon Association, Villa Park, to Central Lemon Association, Orange, Calif. Fresh citrus fruits. 207,333; renewed Dec. 29, 1945. O. G. Oct. 9. Class 46.
 Central States Laboratories, Columbus, Ohio. Water soluble powder. 416,999; Oct. 9; Serial No. 481,777; published July 31, 1945. Class 4.
 Cerebos, Limited: See—
 Weddell, George.
 Chamberlain Medicine Co., Des Moines, Iowa, to Chamberlain Medicine Company, Inc., New York, N. Y. Medicine for the cure of coughs, colds, croup, etc. 47,449; re-renewed Nov. 7, 1945. O. G. Oct. 9. Class 6.
 Chamberlain Medicine Company, Inc.: See—
 Chamberlain Medicine Co.
 Chero-Cola Bottlers' Laboratories: See—
 Chero-Cola Company.
 Chero-Cola Company, doing business as Chero-Cola Bottlers' Laboratories, to Nehl Corporation, Columbus, Ga. Nonintoxicating, maltless beverages and sirups and concentrates for making the same. 207,317; renewed Dec. 29, 1945. O. G. Oct. 9. Class 45.
 Chero-Cola Company, to Nehl Corporation, Columbus, Ga. Nonintoxicating, maltless beverages and sirups and concentrates for making the same. 206,387; renewed Dec. 1, 1945. O. G. Oct. 9. Class 45.
 Clark, D. L., Company, The, Pittsburgh, Pa. Candy. 207,376; renewed Dec. 29, 1945. O. G. Oct. 9. Class 46.
 Cleveland Co-Operative Stove Company, The, doing business as Cleveland Foundry Company, Cleveland, Ohio. Ferrous metal castings. 416,989; Oct. 9; Serial No. 481,573; published July 31, 1945. Class 14.
 Cleveland Foundry Company: See—
 Cleveland Co-Operative Stove Company, The.
 Crandall Packing Company, to The Garlock Packing Company, Palmyra, N. Y. Pump valves, and sheet, steam, air, ammonia, water, and oil packing. 207,135; renewed Dec. 22, 1945. O. G. Oct. 9. Class 35.
 Crown Overall Mfg. Company, The: See—
 Carter, Larned, and Co.
 Cutaway Harrow Company, The, Higganum, to Oakil, Incorporated, Hartford and Higganum, Conn. Harrows, cultivators, plows, etc. 207,150; renewed Dec. 22, 1945. O. G. Oct. 9. Class 23.
 David & Geck, Inc., Brooklyn, N. Y. Surgical and dental needles and combined needles and sutures. 203,122; renewed Sept. 8, 1945. O. G. Oct. 9. Class 44.
 Davidow, Inc. Sportswear, New York, N. Y. Ladies' and misses' suits, jackets, skirts, etc. 417,012; Oct. 9. Class 39.
 Davis, Bryan, Publishing Company, Inc., New York, N. Y. Monthly magazine. 417,028; Oct. 9. Class 38.
 Decker, Alfred & Cohn, Inc., Chicago, Ill. Clothing for men and youths. 203,026; renewed Sept. 8, 1945. O. G. Oct. 9. Class 39.
 Decker, Alfred, & Cohn, Inc., Chicago, Ill. Clothing for men, women, and children. 203,036; renewed Sept. 8, 1945. O. G. Oct. 9. Class 39.

Diamond Compound Company, Newark and Harrison, N. J., to Swan-Finch Oil Corporation, New York, N. Y. Lubricating grease and oils. 46,766; re-renewed Oct. 10, 1945. O. G. Oct. 9. Class 15.
 Dickinson, Albert, Company, The, Chicago, Ill. Dried beans. 48,084; re-renewed Dec. 5, 1945. O. G. Oct. 9. Class 46.
 Dunham, Carrigan & Hayden Co., San Francisco, Calif. Wooden ax and tool handles. 48,210; re-renewed Dec. 19, 1945. O. G. Oct. 9. Class 23.
 Eagle Pencil Company, to Eagle Pencil Company, New York, N. Y. Lead-pencils. 44,919-21; re-renewed Aug. 1, 1945. O. G. Oct. 9. Class 37.
 Eagle Pencil Company, to Eagle Pencil Company, New York, N. Y. Lead-pencils. 44,924; re-renewed Aug. 1, 1945. O. G. Oct. 9. Class 37.
 Eagle Pencil Company, to Eagle Pencil Company, New York, N. Y. Metallic pens. 44,942; re-renewed Aug. 1, 1945. O. G. Oct. 9. Class 37.
 Eagle Pencil Company, to Eagle Pencil Company, New York, N. Y. Lead-pencils. 45,700; re-renewed Aug. 29, 1945. O. G. Oct. 9. Class 37.
 Eagle Pencil Company, to Eagle Pencil Company, New York, N. Y. Lead-pencils. 45,756; re-renewed Aug. 29, 1945. O. G. Oct. 9. Class 37.
 Eagle Woodenware Mfg. Co., The, Hamilton, Ohio. Mop wringers. 207,548; renewed Jan. 5, 1946. O. G. Oct. 9. Class 23.
 Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead pencils, colored pencils, fountain pens, etc. 416,942; Oct. 9; Serial No. 468,340; published July 31, 1945. Class 37.
 Egyptian Lacquer Manufacturing Company, New York, N. Y. Lacquer. 207,029; renewed Dec. 15, 1945. O. G. Oct. 9. Class 16.
 Elroy Naval Stores Co.: See—
 Meadows, Pearce L.
 Ely & Walker Dry Goods Company, St. Louis, Mo. Trunks, bags, and suit cases. 200,617; renewed July 7, 1945. O. G. Oct. 9. Class 3.
 Escondido Fruit Growers Association to Escondido Orange Association, Escondido, Calif. Fresh citrus fruits. 207,279; renewed Dec. 29, 1945. O. G. Oct. 9. Class 46.
 Escondido Orange Association: See—
 Escondido Fruit Growers Association.
 Estate Stove Company, The, Hamilton, Ohio. Coal and wood stoves. 201,705; renewed Aug. 4, 1945. O. G. Oct. 9. Class 34.
 Estate Stove Company, The, Hamilton, Ohio. Heating appliances. 206,764; renewed Dec. 8, 1945. O. G. Oct. 9. Class 34.
 Eureka Fire Hose Co., Jersey City, N. J., to United States Rubber Company, New York, N. Y. Fabric hose. 45,673-4; re-renewed Aug. 29, 1945. O. G. Oct. 9. Class 35.
 Eureka Fire Hose Co., Jersey City, N. J., to United States Rubber Company, New York, N. Y. Fabric hose. 45,776-81; re-renewed Aug. 29, 1945. O. G. Oct. 9. Class 35.
 Eureka Fire Hose Co., Jersey City, N. J., to United States Rubber Company, New York, N. Y. Fabric hose. 46,105; re-renewed Sept. 5, 1945. O. G. Oct. 9. Class 35.
 Eureka Fire Hose Co., Jersey City, N. J., to United States Rubber Company, New York, N. Y. Hydraulic hose. 46,106; re-renewed Sept. 5, 1945. O. G. Oct. 9. Class 35.
 Eureka Fire Hose Co., Jersey City, N. J., to United States Rubber Company, New York, N. Y. Fabric hose. 46,182; re-renewed Sept. 12, 1945. O. G. Oct. 9. Class 35.
 Eureka Fire Hose Co., Jersey City, N. J., to United States Rubber Company, New York, N. Y. Hydraulic hose. 46,677; re-renewed Oct. 3, 1945. O. G. Oct. 9. Class 35.
 Eureka Fire Hose Co., Jersey City, N. J., to United States Rubber Company, New York, N. Y. Fabric hose. 47,008; re-renewed Oct. 17, 1945. O. G. Oct. 9. Class 35.
 Eutectic Welding Alloys Company: See—
 Wasserman, Rene D.
 Everstick Anchor Company, Fairfield, Iowa. Earth anchors. 417,052; Oct. 9. Class 13.
 Federal Electric Products Company, Inc.: See—
 Johns-Pratt Co., The.
 Ferguson, R. S., doing business as Liledoun Mills, Taylorsville, N. C. Thread and yarn. 416,990; Oct. 9; Serial No. 481,576; published July 31, 1945. Class 43.
 Flintkote Company, The: See—
 Pioneer Paper Company.
 Fluckiger & Cie, St. Imier, Canton of Berne, Switzerland. Dials of enamel, metal and silver for watches and standing pendulum clocks. 416,961; Oct. 9; Serial No. 477,295; published July 31, 1945. Class 27.
 Foster, Niles A., New York, N. Y. Nonalcoholic orange beverage. 417,051; Oct. 9. Class 45.
 Fowler, Jane: See—
 Roth, Bert.
 Foy Paint Company, Inc., The, Cincinnati, Ohio. Paints. 416,972; Oct. 9; Serial No. 480,413; published July 24, 1945. Class 16.

Gallone, Stanley, Leonia, N. J. Horse racing game. 416,966; Oct. 9; Serial No. 480,132; published July 31, 1945. Class 22.
 Galveston-Houston Breweries, Inc.: See—
 Southern Beverage Company.
 Garlock Packing Company, The: See—
 Crandall Packing Company.
 Garlock Packing Company, The, Palmyra, N. Y. Rubber composition rod and joint packing. 48,356; re-renewed Dec. 26, 1945. O. G. Oct. 9. Class 35.
 Gaylord Container Corporation: See—
 Gaylord, Robert, Incorporated.
 Gaylord, Robert, Incorporated, to Gaylord Container Corporation, St. Louis, Mo. Fiber-board boxes. 206,963; renewed Dec. 15, 1945. O. G. Oct. 9. Class 2.
 General Cigar Co., Inc.: See—
 Best & Russell Company.
 General Mills, Inc.: See—
 Red Star Milling Company, The.
 German Herold Publishing Co. of New York City, Inc., to Staats-Herold Corporation, New York, N. Y. Newspapers. 206,123; renewed Nov. 24, 1945. O. G. Oct. 9. Class 38.
 Ghirardelli, D., Co., San Francisco, Calif. Chocolate, candy, cocoa and mustard. 205,776; renewed Nov. 17, 1945. O. G. Oct. 9. Class 46.
 Glass, Henry, & Co., New York, N. Y. Cotton piece goods, combination silk and cotton piece goods, etc. 207,310; renewed Dec. 29, 1945. O. G. Oct. 9. Class 42.
 Glenmore Distilleries Company, Owensboro, Ky. Whiskey. 417,046; Oct. 9. Class 49.
 Glidden Company, The: See—
 Glidden Varnish Company, The.
 Glidden Varnish Company, The, to The Glidden Company, Cleveland, Ohio. Varnish stains or colored varnishes. 48,401; re-renewed Dec. 26, 1945. O. G. Oct. 9. Class 16.
 Goodall-Sanford, Inc.: See—
 Goodall Worsted Company.
 Goodall Worsted Company, Sanford, Maine, now by change of name Goodall-Sanford, Inc. Piece goods of mohair, wool, silk, etc. 417,024-7; Oct. 9. Class 42.
 Gosling Yarn Co.: See—
 Smith, Ida C.
 Graham Manufacturing Company: See—
 Graham, Ralph A.
 Graham, Ralph A., doing business as Graham Manufacturing Company, Kansas City, Mo. Toy educational construction sets. 416,980; Oct. 9; Serial No. 477,269; published July 31, 1945. Class 22.
 Grammes, L. F., & Sons, Inc., Allentown, Pa. Wire clinching shoe nails. 203,904; renewed Sept. 29, 1945. O. G. Oct. 9. Class 13.
 Gray, J. A., Houston, Tex. Tool joint compound. 417,050; Oct. 9. Class 15.
 Great Lakes Paint and Varnish: See—
 Great Lakes Varnish Works, Inc.
 Great Lakes Varnish Works, Inc., also doing business under the name Great Lakes Paint and Varnish, Chicago, Ill. Linoleum lacquer. 416,973; Oct. 9; Serial No. 480,449; published July 17, 1945. Class 16.
 Greif Bros. Cooperage Corporation, The, Cleveland, Ohio, also doing business as Seymour & Peck Co., Chicago, Ill. Wooden drums. 417,008; Oct. 9; Serial No. 483,019; published July 31, 1945. Class 2.
 Griffin Manufacturing Co., Inc., New York, to Griffin Manufacturing Co., Inc., Brooklyn, N. Y. Dye for leather. 207,523; renewed Jan. 5, 1946. O. G. Oct. 9. Class 6.
 Grossman Music Co., Cleveland, Ohio. Guitars, banjos, tenor banjos, etc. 417,054; Oct. 9. Class 36.
 Hall Hardware Company, Minneapolis, Minn. Ready mixed gloss paint. 416,964; Oct. 9; Serial No. 479,930; published July 17, 1945. Class 16.
 Halm, Paul: See—
 Lord, C. R., and Halm.
 Hecht Company, The, Washington, D. C., also doing business as The Hub, Baltimore, Md. Fur coats. 417,021; Oct. 9. Class 39.
 Hershman, Stanley R., doing business as Hollywood Bugle, Hollywood, Calif. Rubber stamps and holders and pads therefor. 416,957; Oct. 9; Serial No. 476,057; published July 31, 1945. Class 37.
 Hillyard Chemical Company, St. Joseph, Mo. Liquid floor polish. 416,944; Oct. 9; Serial No. 470,075; published July 24, 1945. Class 16.
 Himmel Brothers Company, The, Hamden, Conn. Construction materials. 201,758; renewed Aug. 4, 1945. O. G. Oct. 9. Class 12.
 Hines, James S., San Francisco, Calif. Department or a section in a magazine. 417,030; Oct. 9. Class 38.
 Hobart Manufacturing Company, Troy, Ohio. Electric coffee mills, electric meat and food choppers, electric bone grinders. 201,898; renewed Aug. 11, 1945. O. G. Oct. 9. Class 21.
 Hoffman Radio Corporation, Los Angeles, Calif. Radio receiving apparatus and parts thereof. 416,965; Oct. 9; Serial No. 480,108; published July 24, 1945. Class 21.

Hohenadel, John, Brewery, Inc., Philadelphia, Pa. Beer. 417,037; Oct. 9. Class 48.
 Holland, Joshua, Chicago, to Joshua Holland, Peoria, Ill. Digestive remedy. 207,470; renewed Jan. 5, 1946. O. G. Oct. 9. Class 6.
 Hollywood Bugle: See—
 Hersman, Stanley R.
 Home Decorators, Inc., Newark, N. Y. Silver plated flatware. 416,948; Oct. 9; Serial No. 472,698; published July 31, 1945. Class 28.
 Hub, The: See—
 Hecht Company, The.
 Huenefeld Company, The: See—
 Huenefeld, Ernest H.
 Huenefeld, Ernest H., to The Huenefeld Company, Cincinnati, Ohio. Stoves, ranges, furnaces, etc. 44,539; re-renewed July 11, 1945. O. G. Oct. 9. Class 34.
 Imperial Wine Products, Inc., New York, N. Y. Vermouth, and other wines. 417,013; Oct. 9. Class 47.
 James, Howard C., Philadelphia, Pa. Combat or commando knives, throwing knives, etc. 417,038; Oct. 9. Class 23.
 Johns-Pratt Co., The, Hartford, Conn., to Federal Electric Products Company, Inc., Newark, N. J. Inclosed electric fuses. 48,403; re-renewed Dec. 26, 1945. O. G. Oct. 9. Class 21.
 Justrite Manufacturing Company, Chicago, Ill. Electric cap lamps, electric hand lanterns, flashlights, etc. 416,940; Oct. 9; Serial No. 459,341; published July 24, 1945. Class 21.
 Kaplan, Rica E., Chicago, Ill. Bracelets, pendants and bar pins. 416,946; Oct. 9; Serial No. 471,311; published July 31, 1945. Class 28.
 Kastor, Adolph, & Bros., to Adolph Kastor & Bros., Inc., New York, N. Y. Razors. 47,230; re-renewed Oct. 31, 1945. O. G. Oct. 9. Class 23.
 Kastor, Adolph, & Bros., Inc.: See—
 Kastor, Adolph, & Bros.
 Katz, Joseph M., Pittsburgh, Pa. Stationery. 417,002; Oct. 9; Serial No. 482,427; published July 31, 1945. Class 37.
 Kelly, Bros. Co., Inc., Hood River, Oreg. Fresh apples in boxes. 206,795; renewed Dec. 8, 1945. O. G. Oct. 9. Class 46.
 Kimberly-Clark Company, to Kimberly-Clark Corporation, Neenah, Wis. Book paper. 203,701; renewed Sept. 22, 1945. O. G. Oct. 9. Class 37.
 Kimberly-Clark Corporation: See—
 Kimberly-Clark Company.
 King, J. B., & Co., New York, N. Y., to United States Gypsum Company, Chicago, Ill. Plaster-of-Paris. 47,824; re-renewed Nov. 21, 1945. O. G. Oct. 9. Class 12.
 Kirsten Pipe Company, Seattle, Wash. Smoking pipes and cigarette holders. 416,980; Oct. 9; Serial No. 480,917; published July 31, 1945. Class 8.
 Kockums Mekaniska Verkstads Aktiebolag, Malmo, Sweden, to Leslie Co., Lyndhurst, N. J. Sound-emitting apparatus having a diaphragm driven by fluid under pressure. 204,092; renewed Oct. 6, 1945. O. G. Oct. 9. Class 23.
 Koehler, Alvin, doing business as The Koehler Co., Chicago, Ill. Furniture polish. 416,997; Oct. 9; Serial No. 481,742; published July 31, 1945. Class 16.
 Koehler Co., The: See—
 Koehler, Alvin.
 Koppers Company, Inc.: See—
 Tar Products Corporation.
 Korby Company, The, New York, N. Y. Ladies' playsuits, jumpers, blouses, one and two-piece dresses, etc. 417,034; Oct. 9. Class 39.
 Lake Chelan Fruit Growers, Chelan, Wash. Fresh apples. 207,338; renewed Dec. 29, 1945. O. G. Oct. 9. Class 46.
 Lazier, J. F., Manufacturing Company, Incorporated, St. Louis, Mo. Nonalcoholic, maltless flavor and colorings for soft drinks. 207,344; renewed Dec. 29, 1945. O. G. Oct. 9. Class 45.
 Lederer Industries, Inc., The, New York, N. Y. Game. 417,004; Oct. 9; Serial No. 482,680; published July 31, 1945. Class 22.
 Le Sage Company, Dallas, Tex. Liqueurs and gin. 417,047; Oct. 9. Class 49.
 Leslie Co.: See—
 Kockums Mekaniska Verkstads Aktiebolag.
 Lilledoun Mills: See—
 Ferguson, R. S.
 Loose-Wiles Biscuit Company: See—
 Tru Blue Biscuit Co.
 Lord, C. R., & Paul Halm, East Orange, N. J. Solid or semi-solid preparation. 416,962; Oct. 9; Serial No. 477,892; published July 24, 1945. Class 16.
 Ludeman, Margaret M., Centerport, N. Y. Dolls. 417,005; Oct. 9; Serial No. 482,752; published July 31, 1945. Class 22.
 Marine Canvas Supply Corporation, Brooklyn, N. Y. Canvas paint. 416,983; Oct. 9; Serial No. 481,311; published July 10, 1945. Class 16.
 Marxman Pipes, New York, N. Y. Smoker's pipes. 416,963; Oct. 9; Serial No. 478,401; published July 31, 1945. Class 8.

Master Metal Products, Inc., Buffalo, N. Y. Garbage and waste cans. 205,822; renewed Nov. 17, 1945. O. G. Oct. 9. Class 2.
 Meadows, Pearce L., doing business as Elroy Naval Stores Co., Vidalia, Ga. Paint thinner. 416,943; Oct. 9; Serial No. 469,472; published July 31, 1945. Class 16.
 Merritt, Geo., Shoe Co., Inc., Brockton, Mass. Shoes. 417,043; Oct. 9. Class 39.
 Millus Shoe Company, St. Louis, Mo. Shoes. 417,045; Oct. 9. Class 39.
 Moore, Hilda M., Asheville, N. C. Puppet dolls. 416,951; Oct. 9; Serial No. 473,190; published July 31, 1945. Class 22.
 Morse & Morse, Los Angeles, Calif. Women's and children's wearing apparel. 417,023; Oct. 9. Class 39.
 Morton Manufacturing Corporation, doing business as Blair of Virginia, Lynchburg, Va. Medicated laxative chewing gum. 417,039; Oct. 9. Class 6.
 Myers, F. E., & Bro. Co., The, to The F. E. Myers & Bro. Co., Ashland, Ohio. Hay tools. 206,744; renewed Dec. 8, 1945. O. G. Oct. 9. Class 23.
 Myers, P. R., & Co., New York, N. Y. Coffee and tea. 416,947; Oct. 9; Serial No. 471,484; published July 31, 1945. Class 46.
 Nashua Manufacturing Company: See—
 Nashua Manufg. Company.
 Nashua Manufg. Company, Nashua, N. H., to Nashua Manufacturing Company, Boston, Mass. Cotton piece goods. 207,282; renewed Dec. 29, 1945. O. G. Oct. 9. Class 42.
 Nehl Corporation: See—
 Chero-Cola Company.
 New Yorker Staats Zeitung, to Staats-Herold Corporation, New York, N. Y. Newspaper, Daily. 44,483; re-renewed July 11, 1945. O. G. Oct. 9. Class 38.
 Northam Warren Corporation: See—
 Pray, Dr. J. Parker, Company, Limited.
 Oakes & Co., also doing business as Tru-Test, Chicago, Ill. Bicycles, tricycles, coasters, etc. 416,977; Oct. 9; Serial No. 480,612; published July 10, 1945. Class 19.
 Oakil, Incorporated: See—
 Cutaway Harrow Company, The.
 Olin Industries, Inc.: See—
 Winchester Repeating Arms Co.
 Orange Heights Fruit Association, to Orange Heights Orange Association, Corona, Calif. Fresh citrus fruits. 207,219; renewed Dec. 22, 1945. O. G. Oct. 9. Class 46.
 Orange Heights Orange Association: See—
 Orange Heights Fruit Association.
 Oxford Manufacturing Co., Atlanta, Ga. Juvenile boys' and men's clothing. 417,031; Oct. 9. Class 39.
 Packard Motor Car Company, to Packard Motor Car Company, Detroit, Mich. Motor-vehicles and parts thereof. 47,621; re-renewed Nov. 14, 1945. O. G. Oct. 9. Class 19.
 Pincus Brothers, Inc., Philadelphia, Pa. Suits, coats, vests, etc. 417,040; Oct. 9. Class 39.
 Pioneer Paper Company, Los Angeles, Calif., to The Flintkote Company, New York, N. Y. Asphalt roofing compound. 203,116; renewed Sept. 8, 1945. O. G. Oct. 9. Class 12.
 Pioneer Paper Company, Los Angeles, Calif., to The Flintkote Company, New York, N. Y. Composition ready or prepared roofings, building papers, insulating papers, etc. 203,913; renewed Sept. 29, 1945. O. G. Oct. 9. Class 12.
 Pray, Dr. J. Parker, Company, Limited, New York, N. Y., to Northam Warren Corporation, Stamford, Conn. Composition for dressing or polishing the nails. 48,343; re-renewed Dec. 26, 1945. O. G. Oct. 9. Class 6.
 Prince, Hugo M., New York, N. Y. Woolen and worsted fabrics in the piece. 417,044; Oct. 9. Class 42.
 Purolator Products, Inc., Newark, N. J. Hydraulic fluid filters. 416,955; Oct. 9; Serial No. 475,334; published July 24, 1945. Class 23.
 Purolator Products, Inc., Newark, N. J. Filters for the purification of gasoline. 416,956; Oct. 9; Serial No. 475,459; published July 24, 1945. Class 23.
 Rauner, Richard M., New York, N. Y. Billfolds, covers made from leather, purses, etc. 417,041; Oct. 9. Class 3.
 Redmer Air Devices Corp., Chicago, Ill. Air chucks. 417,017; Oct. 9. Class 23.
 Red Star Milling Company, The, Wichita, Kans., to General Mills, Inc., Minneapolis, Minn. Self-rising wheat flour. 204,046; renewed Oct. 6, 1945. O. G. Oct. 9. Class 46.
 Ronrico Corporation, San Juan, P. R., and Miami, Fla. Distilled alcoholic liquors. 417,010; Oct. 9. Class 49.
 Rosenblatt, Louis, & Co., Inc., New York, N. Y. Junior boys' and young men's knickers, longies, slacks, etc. 417,016; Oct. 9. Class 39.
 Roth, Bert, doing business as Jane Fowler, New York, N. Y. Women's, misses', and girls' blouses, jumpers, play suits, etc. 417,048; Oct. 9. Class 39.

Schleicher, Carl, & Schuell Company, Inc., New York, N. Y. Filter paper. 417,006; Oct. 9; Serial No. 484,464; published July 31, 1945. Class 31.
 Schuykill Valley Mills, Inc., Spring City, Pa. Hosiery. 204,712; renewed Oct. 20, 1945. O. G. Oct. 9. Class 39.
 Sebastiani, Samuele: See—
 Sebastiani, Samuele, Estate of.
 Sebastiani, Samuele, Estate of, doing business as Samuele Sebastiani, Sonoma, Calif. Wines. 417,035; Oct. 9. Class 47.
 Sewall Paint & Varnish Company, Kansas City, Mo. Paints. 416,995; Oct. 9; Serial No. 481,652; published July 31, 1945. Class 18.
 Seymour & Peck Co.: See—
 Greif Bros. Cooperage Corporation, The.
 Shawinigan Products Corporation, New York, N. Y. Acetaldehyde and its polymers, aldel, paraldehyde, etc. 200,920; renewed July 14, 1945. O. G. Oct. 9. Class 6.
 Shawinigan Products Corporation, New York, N. Y. Calcium carbide. 200,921; renewed July 14, 1945. O. G. Oct. 9. Class 6.
 Shawinigan Products Corporation, New York, N. Y. Carbon black. 202,354; renewed Aug. 18, 1945. O. G. Oct. 9. Class 1.
 Shawinigan Products Corporation, New York, N. Y. Aldehyde condensation products. 204,295; renewed Oct. 13, 1945. O. G. Oct. 9. Class 6.
 Sherman & Sons, Inc., Louisville, Ky. Men's overcoats and suits. 206,577; renewed Dec. 8, 1945. O. G. Oct. 9. Class 39.
 Smith, Ida C., doing business as Gosling Yarn Co., New York, N. Y. Yarns. 416,998; Oct. 9; Serial No. 481,762; published July 31, 1945. Class 43.
 Sonneborn, L. Sons, Inc., New York, N. Y. Wood floor preservative and sealer. 416,967; Oct. 9; Serial No. 480,203; published July 17, 1945. Class 16.
 Sonneborn, L. Sons, Inc., New York, N. Y. Rust inhibiting paint. 416,968; Oct. 9; Serial No. 480,206; published July 17, 1945. Class 16.
 Sonneborn, L. Sons, Inc., New York, N. Y. Granular material used on floors to absorb grease and oil, etc. 416,969; Oct. 9; Serial No. 480,214; published July 24, 1945. Class 4.
 Sonneborn, L. Sons, Inc., New York, N. Y. Ready mixed paints. 416,974; Oct. 9; Serial No. 480,475; published July 17, 1945. Class 16.
 Sonoco Products Company, Hartsville, S. C. Paper cones. 416,982; Oct. 9; Serial No. 481,297; published July 31, 1945. Class 2.
 South American Supply Co., Hollywood, Calif., and Santiago, Chile. Wines. 417,029; Oct. 9. Class 47.
 Southern Beverage Company, to Galveston-Houston Breweries, Inc., Galveston, Tex. Nonalcoholic beverages sold as soft drinks and sirups for making the same. 200,830; renewed July 14, 1945. O. G. Oct. 9. Class 45.
 Spinnerin Yarn Co., Inc., New York, N. Y. Yarn. 417,000; Oct. 9; Serial No. 481,862; published July 24, 1945. Class 43.
 Spinnerin Yarn Co., Inc., New York, N. Y. Yarn. 417,001; Oct. 9; Serial No. 482,077; published July 31, 1945. Class 43.
 Staats-Herold Corporation: See—
 German Herold Publishing Co. of New York City, Inc.
 New Yorker Staats Zeitung.
 Standard Thread Company, Inc., New York, N. Y. Thread. 417,053; Oct. 9. Class 43.
 Star Extracts Works, Inc., to Star Kay White, New York, N. Y. Flavorings and flavoring extracts (both synthetic and natural) for foods. 203,662; renewed Sept. 8, 1945. O. G. Oct. 9. Class 46.
 Star Kay White: See—
 Star Extracts Works, Inc.
 Stoll Oil Refining Company, Louisville, Ky. Gasoline. 207,319; renewed Dec. 29, 1945. O. G. Oct. 9. Class 15.
 Stopple, Ted, & Co., New York, N. Y. Textile fabrics in the piece. 417,042; Oct. 9. Class 42.
 Strong-Scott Mfg. Co., The Minneapolis, Minn. Fuel grinders and pulverizers, fuel pulverizing and feeding units, burners, etc. 201,697; renewed Aug. 4, 1945. O. G. Oct. 9. Class 34.
 Stroock, A. & Co., Inc., New York, N. Y. Woolen piece goods. 417,020; Oct. 9. Class 42.
 Style Trades Inc., New York, N. Y. Piece goods of cotton and rayon gabardine. 417,015; Oct. 9. Class 42.
 Sucion de Jose L., Piedra, Habana, Cuba. Cigars. 416,996; Oct. 9; Serial No. 481,681; published July 31, 1945. Class 17.
 Superb Glove Company, The, Johnstown, N. Y. Leathers. 417,003; Oct. 9; Serial No. 482,661; published July 31, 1945. Class 1.
 Swan-Finch Oil Corporation: See—
 Diamond Compound Company.

Synvar Corporation, Wilmington, Del. Liquid phenol-formaldehyde resins. 417,006; Oct. 9; Serial No. 482,856; published July 31, 1945. Class 1.
 Synvar Corporation, Wilmington, Del. Liquid urea-formaldehyde resins. 417,007; Oct. 9; Serial No. 482,858; published July 31, 1945. Class 1.
 Takaki Sanyo-Do, Honolulu, Hawaii. Medicinal preparation. 417,032; Oct. 9. Class 6.
 Tar Products Corporation, Providence and East Providence, R. I., to Koppers Company, Inc., Pittsburgh, Pa. Creosote wood preservatives. 200,937; renewed July 14, 1945. O. G. Oct. 9. Class 6.
 Tar Products Corporation, Providence and East Providence, R. I., to Koppers Company, Inc., Pittsburgh, Pa. Disinfectants and insecticides. 200,938; renewed July 14, 1945. O. G. Oct. 9. Class 6.
 Tar Products Corporation, Providence and East Providence, R. I., to Koppers Company, Inc., Pittsburgh, Pa. Chemical compound or mixture. 201,100; renewed July 21, 1945. O. G. Oct. 9. Class 6.
 Titanine, Inc., Union, N. J. So-called dope material for hot application to aircraft surfaces and other surfaces. 416,981; Oct. 9; Serial No. 480,934; published July 31, 1945. Class 16.
 Toyad Corporation, Pittsburgh, Pa. Dart game. 416,958; Oct. 9; Serial No. 476,230; published July 31, 1945. Class 22.
 Trailer Company of America, The, Cincinnati, Ohio. Automotive trailers and parts thereof. 416,949; Oct. 9; Serial No. 472,757; published July 24, 1945. Class 19.
 Tremco Manufacturing Company, The, Cleveland, Ohio. Enamel paint. 416,992; Oct. 9; Serial No. 481,592; published July 31, 1945. Class 16.
 Trimm, Inc.: See—
 Trimm Radio Manufacturing Co.
 Trimm Radio Manufacturing Co., to Trimm, Inc., Chicago, Ill. Radio supplies. 207,213; renewed Dec. 22, 1945. O. G. Oct. 9. Class 21.
 Tru Blue Biscuit Co., Spokane, Wash., to Loose-Wiles Biscuit Company, Oakland, Calif. Candy. 207,307; renewed Dec. 29, 1945. O. G. Oct. 9. Class 46.
 Tru-Test: See—
 Oakes & Co.
 Union Special Machine Company, Chicago, Ill. Sewing machines and parts thereof. 49,361; re-renewed Jan. 30, 1945. O. G. Oct. 9. Class 23.
 Unique Fibers, Inc., New York, N. Y. Fur fibers treated for spinning purposes. 416,975; Oct. 9; Serial No. 480,482; published July 31, 1945. Class 1.
 United States Gypsum Company: See—
 King, J. B., & Co.
 United States Gypsum Company, Chicago, Ill. Plaster board, plaster wall board, gypsum roof tile, etc. 201,784; renewed Aug. 4, 1945. O. G. Oct. 9. Class 12.
 United States Gypsum Company, Chicago, Ill. Composition partition blocks. 206,419; renewed Dec. 1, 1945. O. G. Oct. 9. Class 12.
 U. S. Line Company: See—
 United States Whip Company.
 United States Rubber Company: See—
 Eureka Fire Hose Co.
 United States Whip Company, doing business as U. S. Line Company, Westfield, Mass. Fishing lines. 205,246-7; renewed Nov. 3, 1945. O. G. Oct. 9. Class 22.
 United States Whip Company, doing business as U. S. Line Company, Westfield, Mass. Fishing lines. 205,304; renewed Nov. 3, 1945. O. G. Oct. 9. Class 22.
 United States Whip Company, doing business as U. S. Line Company, Westfield, Mass. Fishing lines. 206,046; renewed Nov. 24, 1945. O. G. Oct. 9. Class 22.
 Vass Chemical Co., Incorporated, The, Danbury, Conn. Laxative salt of lithia. 45,872; re-renewed Aug. 29, 1945. O. G. Oct. 9. Class 6.
 Vita Var Corporation, Newark, N. J. Paint. 416,976; Oct. 9; Serial No. 480,485; published July 24, 1945. Class 16.
 Wadsworth Watch Case Company, The, Dayton, Ky. Cigarette cases. 416,945; Oct. 9. Serial No. 470,321; published July 31, 1945. Class 8.
 Waitt & Bond, Inc., Newark, N. J. Cigars. 207,484; renewed Jan. 5, 1946. O. G. Oct. 9. Class 17.
 Wakefield, C. C., & Company, Limited, London, England. Oils for heating, lighting, and lubricating. 203,272; renewed Sept. 15, 1945. O. G. Oct. 9. Class 15.
 Wasserman, Rene D., doing business as Eutectic Welding Alloys Company, New York, N. Y. Welding electrodes. 416,970-1; Oct. 9; Serial Nos. 480,393-4; published July 17, 1945. Class 14.
 Weddell, George, Newcastle-on-Tyne, to Cerebos, Limited, London, England. Salt, baking-powder, cakes, and bread. 27,138; re-renewed Oct. 8, 1945. O. G. Oct. 9. Class 46.
 Wheeler-Schebler Carburetor Co., The, Indianapolis, Ind., to Borg-Warner Corporation, Chicago, Ill. Carburetors. 203,764; renewed Sept. 22, 1945. O. G. Oct. 9. Class 23.

White, S. S. Dental Manufacturing Company, The: See—
White, S. S. Dental Mfg. Co., The.
White, S. S. Dental Mfg. Co., The, Philadelphia, Pa.,
Chicago, Ill., New York, Brooklyn, and Rochester, N. Y.,
and Boston, Mass., to The S. S. White Dental Manu-
facturing Company, Philadelphia, Pa. Impression and
molding compounds. 45,482; re-renewed Aug. 22, 1945.
O. G. Oct. 9. Class 44.
Winchester Repeating Arms Co., to Olin Industries, Inc.,
New Haven, Conn. Cartridges. 45,249; re-renewed
Aug. 8, 1945. O. G. Oct. 9. Class 9.
Winchester Repeating Arms Co., to Olin Industries, Inc.,
New Haven, Conn. Shot-shells, cartridges, and primers.
47,093; re-renewed Oct. 24, 1945. O. G. Oct. 9. Class 9.

Winchester Repeating Arms Co., to Olin Industries, Inc.,
New Haven, Conn. Shot-shells, and cartridges. 47,352;
re-renewed Oct. 31, 1945. O. G. Oct. 9. Class 9.
Winter, Max, trading under the name of Max Winter's
Chemical Laboratory, Reading, Pa. Liquid cleaner,
polish and fogging preventive. 417,018; Oct. 9.
Class 4. Max, Chemical Laboratory: See—
Winter, Max.
Woodworth, N. A. Company, Ferndale, Mich. Thread
plug gages, cylindrical plug gages, etc. 417,055; Oct. 9.
Class 26.
Ziff-Davis Publishing Company, Chicago, Ill. Trade mag-
azine. 417,022; Oct. 9. Class 38.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Carbon black. Shawinigan Products Corporation.
202,354; renewed Aug. 18, 1945. O. G. Oct. 9.
Fur fibers treated for spinning purposes. Unique Fibers,
Inc. 416,975; Oct. 9; Serial No. 480,482; published
July 31, 1945.
Leathers. Superb Glove Company. 417,003; Oct. 9; Se-
rial No. 482,661; published July 31, 1945.
Resins, Liquid phenol-formaldehyde. Synvar Corpora-
tion. 417,006; Oct. 9; Serial No. 482,856; published
July 31, 1945.
Resins, Liquid urea-formaldehyde. Synvar Corporation.
417,007; Oct. 9; Serial No. 482,858; published July
31, 1945.

CLASS 2

Boxes, Fiber-board. Robert Gaylord Incorporated.
206,963; renewed Dec. 15, 1945. O. G. Oct. 9.
Cans, Garbage and waste. Master Metal Products, Inc.
205,822; renewed Nov. 17, 1945. O. G. Oct. 9.
Cones, Paper. Sonoco Products Company. 416,982; Oct.
9; Serial No. 481,297; published July 31, 1945.
Drums, Wooden. Greif Bros. Cooperage Corporation.
417,008; Oct. 9; Serial No. 483,019; published July
31, 1945.

CLASS 3

Billfolds, covers made from leather, purses, etc. R. M.
Rauner. 417,041; Oct. 9.
Trunks, bags, and suit cases. Ely & Walker Dry Goods
Company. 200,617; renewed July 7, 1945. O. G. Oct. 9.

CLASS 4

Cleaner, polish and fogging preventive, Liquid. M. Win-
ter. 417,018; Oct. 9.
Granular material used on floors to absorb grease and
oil, etc. L. Sonneborn Sons, Inc. 416,969; Oct. 9;
Serial No. 480,214; published July 24, 1945.
Powder, Water soluble. Central States Laboratories.
416,989; Oct. 9; Serial No. 481,777; published July
31, 1945.
Washing and cleaning compound. Carsello Chemical
Products. 416,988; Oct. 9; Serial No. 481,572; pub-
lished July 31, 1945.

CLASS 6

Acetaldehyde and its polymers, aldel, paraldehyde, etc.
Shawinigan Products Corporation. 200,920; renewed
July 14, 1945. O. G. Oct. 9.
Aldehyde condensation products. Shawinigan Products
Corporation. 204,295; renewed Oct. 13, 1945. O. G.
Oct. 9.
Carbide. Calcium. Shawinigan Products Corporation.
200,921; renewed July 14, 1945. O. G. Oct. 9.
Chemical compound or mixture. Tar Products Corpora-
tion. 201,100; renewed July 21, 1945. O. G. Oct. 9.
Composition for dressing or polishing the nails. Dr. J.
Parker Fray Company. 48,343; re-renewed Dec. 26,
1945. O. G. Oct. 9.
Digestive remedy. J. Holland. 207,470; renewed Jan.
5, 1946. O. G. Oct. 9.
Disinfectants and insecticides. Tar Products Corpora-
tion. 200,938; renewed July 14, 1945. O. G. Oct. 9.
Dye for leather. Griffin Manufacturing Co., Inc. 207,523;
renewed Jan. 5, 1946. O. G. Oct. 9.
Gum, Medicated laxative chewing. Morton Manufac-
turing Corporation. 417,039; Oct. 9.
Laxative salt of lithia. Vass Chemical Co., Incorporated.
45,872; re-renewed Aug. 29, 1945. O. G. Oct. 9.
Lotions, Hand and face. Beloo's Cosmetics, Ltd. 417,033;
Oct. 9.
Medicinal preparation. Takaki Sanyo-Do. 417,032;
Oct. 9.
Medicine for the cure of coughs, colds, croup, etc. Cham-
berlain Medicine Co. 47,449; re-renewed Nov. 7, 1945.
O. G. Oct. 9.
Preservatives, Creosote wood. Tar Products Corporation.
200,937; renewed July 14, 1945. O. G. Oct. 9.

CLASS 8

Cases, Cigarette. Wadsworth Watch Case Company.
416,945; Oct. 9; Serial No. 470,321; published July 31,
1945.
Pipes and cigarette holders, Smoking. Kirsten Pipe
Company. 416,980; Oct. 9; Serial No. 480,917; pub-
lished July 31, 1945.
Pipes, Smoker's. Marxman Pipes. 416,963; Oct. 9; Se-
rial No. 478,401; published July 31, 1945.

CLASS 9

Cartridges. Winchester Repeating Arms Co. 45,249;
re-renewed Aug. 8, 1945. O. G. Oct. 9.
Shot-shells, and cartridges. Winchester Repeating Arms
Co. 47,352; re-renewed Oct. 31, 1945. O. G. Oct. 9.
Shot-shells, cartridges, and primers. Winchester Re-
peating Arms Co. 47,093; re-renewed Oct. 24, 1945.
O. G. Oct. 9.

CLASS 11

Paper and typewriter ribbons, Carbon. Agency Paper
Company. 416,978; Oct. 9; Serial No. 480,685; pub-
lished July 24, 1945.
Paper and typewriter ribbons, Carbon. Agency Paper
Company. 416,979; Oct. 9; Serial No. 480,687; pub-
lished July 24, 1945.

CLASS 12

Blocks, Composition partition. United States Gypsum
Company. 206,419; renewed Dec. 1, 1945. O. G.
Oct. 9.
Construction materials. Himmel Brothers. 201,758; re-
newed Aug. 4, 1945. O. G. Oct. 9.
Plaster board, plaster wall board, gypsum roof tile, etc.
United States Gypsum Company. 201,784; renewed
Aug. 4, 1945. O. G. Oct. 9.
Plaster-of-Paris. J. B. King & Co. 47,824; re-renewed
Nov. 21, 1945. O. G. Oct. 9.
Roofing compound, Asphalt. Pioneer Paper Company.
203,116; renewed Sept. 8, 1945. O. G. Oct. 9.
Roofings, building papers, insulating papers, etc., Composi-
tion ready or prepared. Pioneer Paper Company.
203,913; renewed Sept. 29, 1945. O. G. Oct. 9.

CLASS 13

Anchors, Earth. Everstick Anchor Company. 417,052;
Oct. 9.
Shoe nails, Wire clinching. L. F. Grammes & Sons, Inc.
203,904; renewed Sept. 29, 1945. O. G. Oct. 9.

CLASS 14

Castings, Ferrous metal. Cleveland Co-Operative Stove
Company. 416,989; Oct. 9; Serial No. 481,573; pub-
lished July 31, 1945.
Castings, Steel. Aultman & Taylor Machinery Company.
45,067; re-renewed Aug. 8, 1945. O. G. Oct. 9.
Electrodes, Welding. R. D. Wasserman. 416,970-1; Oct.
9; Serial Nos. 480,393-4; published July 17, 1945.
Steel in the form of wire, strips, bars, etc. Carpenter
Steel Company. 416,984-7; Oct. 9; Serial Nos.
481,356-9; published July 17, 1945.

CLASS 15

Compound, Tool joint. J. A. Gray. 417,050; Oct. 9.
Gasoline. Stoll Oil Refining Company. 207,319; renewed
Dec. 29, 1945. O. G. Oct. 9.
Grease and oils, Lubricating. Diamond Compound Com-
pany. 46,766; re-renewed Oct. 10, 1945. O. G. Oct. 9.
Oils for heating, lighting, and lubricating. C. C. Wake-
field & Company, Limited. 203,272; renewed Sept. 15,
1945. O. G. Oct. 9.

CLASS 16

Art products, American Crayon Company. 416,993; Oct.
9; Serial No. 481,598; published July 31, 1945.
Dope material for hot application to aircraft surfaces and
other surfaces, So-called. Titanine, Inc. 416,981; Oct.
9; Serial No. 480,934; published July 31, 1945.
Floor preservative and sealer, Wood. L. Sonneborn
Sons, Inc. 416,967; Oct. 9; Serial No. 480,203; pub-
lished July 17, 1945.

CLASS 23

Lacquer. Egyptian Lacquer Manufacturing Company.
207,029; renewed Dec. 15, 1945. O. G. Oct. 9.
Lacquer, Linoleum. Great Lakes Varnish Works, Inc.
416,973; Oct. 9; Serial No. 480,449; published July 17,
1945.
Linoleum finish and preservatives in liquid form. Color-
less. American Varnish Company. 416,991; Oct. 9;
Serial No. 481,511; published July 31, 1945.
Paint. Vita Var Corporation. 416,976; Oct. 9; Serial
No. 480,485; published July 24, 1945.
Paint, Canvas. Marine Canvas Supply Corporation.
416,983; Oct. 9; Serial No. 481,331; published July
17, 1945.
Paint, Enamel. Tremco Manufacturing Company.
416,992; Oct. 9; Serial No. 481,592; published July
31, 1945.
Paint, Ready mixed gloss. Hall Hardware Company.
416,984; Oct. 9; Serial No. 479,930; published July
17, 1945.
Paint, Rust inhibiting. L. Sonneborn Sons, Inc.
416,968; Oct. 9; Serial No. 480,206; published July
17, 1945.
Paint thinner. P. L. Meadows. 416,943; Oct. 9; Serial
No. 469,472; published July 31, 1945.
Paints. Foy Paint Company, Inc. 416,972; Oct. 9;
Serial No. 480,413; published July 24, 1945.
Paints, Sewall Paint & Varnish Company. 416,995; Oct.
9; Serial No. 481,652; published July 31, 1945.
Paints, Ready mixed. L. Sonneborn Sons, Inc. 416,974;
Oct. 9; Serial No. 480,475; published July 17, 1945.
Polish, Furniture. A. Koehler. 416,997; Oct. 9; Serial
No. 481,742; published July 31, 1945.
Polish, Liquid floor. Hillyard Chemical Company.
416,944; Oct. 9; Serial No. 470,075; published July
24, 1945.
Solid or semi-solid preparation. C. R. Lord and P. Halm.
416,982; Oct. 9; Serial No. 477,892; published July
24, 1945.
Varnish stains or colored varnishes. Glidden Varnish
Company. 48,401; re-renewed Dec. 26, 1945. O. G.
Oct. 9.

CLASS 17

Cigars. Sucesion de Jose L. Piedra. 416,996; Oct. 9;
Serial No. 481,681; published July 31, 1945.
Cigars. Walitt & Bond, Inc. 207,484; renewed Jan. 5,
1946. O. G. Oct. 9.
Cigars, snuff, and tobacco. Best & Russell Company.
26,468; re-renewed Apr. 23, 1945. O. G. Oct. 9.

CLASS 19

Bicycles, tricycles, coasters, etc. Oakes & Co. 416,977;
Oct. 9; Serial No. 480,612; published July 10, 1945.
Brake shoes, lined, for use on vehicles. Atlas Supply
Company. 416,950; Oct. 9; Serial No. 472,833; pub-
lished Dec. 5, 1944.
Motor-vehicles and parts thereof. Packard Motor Car
Company. 47,621; re-renewed Nov. 14, 1945. O. G.
Oct. 9.
Trailers and parts thereof, Automotive. Trailer Company
of America. 416,949; Oct. 9; Serial No. 472,757; pub-
lished July 24, 1945.

CLASS 20

Oiled cloth. Callaway Mills. 416,954; Oct. 9; Serial
No. 474,575; published July 17, 1945.

CLASS 21

Fuses, Inclosed electric. Johns-Pratt Co. 48,403; re-
newed Dec. 26, 1945. O. G. Oct. 9.
Lamps, electric hand lanterns, flashlights, etc., Electric
cap. Justrite Manufacturing Company. 416,940; Oct.
9; Serial No. 459,341; published July 24, 1945.
Mills, electric meat and food choppers, electric bone
grinders, Electric coffee. Hobart Manufacturing Com-
pany. 201,898; renewed Aug. 11, 1945. O. G. Oct. 9.
Radio receiving apparatus and parts thereof. Hoffman
Radio Corporation. 416,966; Oct. 9; Serial No.
480,108; published July 24, 1945.
Radio supplies. Trimm Radio Manufacturing Co.
207,213; renewed Dec. 22, 1945. O. G. Oct. 9.

CLASS 22

Dolls. M. M. Ludeman. 417,005; Oct. 9; Serial No.
482,752; published July 31, 1945.
Dolls, Puppet. H. M. Moore. 416,951; Oct. 9; Serial
No. 473,190; published July 31, 1945.
Fishing lines. United States Whip Company. 205,204;
renewed Nov. 3, 1945. O. G. Oct. 9.
Fishing lines. United States Whip Company.
205,246-7; renewed Nov. 3, 1945. O. G. Oct. 9.
Fishing lines. United States Whip Company. 208,046;
renewed Nov. 24, 1945. O. G. Oct. 9.
Game. Lederer Industries, Inc. 417,004; Oct. 9; Serial
No. 482,680; published July 31, 1945.
Game, Dart. Toyad Corporation. 416,958; Oct. 9; Se-
rial No. 476,230; published July 31, 1945.
Game, Horse racing. S. Gallone. 416,966; Oct. 9;
Serial No. 480,132; published July 31, 1945.
Toy educational construction sets. R. A. Graham.
416,960; Oct. 9; Serial No. 477,269; published July
31, 1945.

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Apparatus having a diaphragm driven by fluid under pres-
sure, Sound-emitting. Kockums Mekaniska Verktads
Aktiebolag. 204,092; renewed Oct. 6, 1945. O. G.
Oct. 9.
Carburetors. Wheeler-Schebler Carburetor Co. 203,764;
renewed Sept. 22, 1945. O. G. Oct. 9.
Chucks, Air. Redmer Air Devices Corp. 417,017; Oct. 9.
Filters for the purification of gasoline. Purolator Prod-
ucts, Inc. 416,956; Oct. 9; Serial No. 475,459; pub-
lished July 24, 1945.
Filters, Hydraulic fluid. Purolator Products, Inc.
416,955; Oct. 9; Serial No. 475,334; published July
24, 1945.
Handles, Wooden ax and tool. Dunham, Carrigan &
Hayden Co. 48,210; re-renewed Dec. 19, 1945. O. G.
Oct. 9.
Harrows, cultivators, plows, etc. Cutaway Harrow Com-
pany. 207,150; renewed Dec. 22, 1945. O. G. Oct. 9.
Knives, throwing knives, etc., Combat or commando. H. C.
James. 417,038; Oct. 9.
Razors. Adolph Kastor & Bros. 47,230; re-renewed
Oct. 31, 1945. O. G. Oct. 9.
Saws of all kinds, trowels of all kinds, corn knives, etc.
E. C. Atkins and Company. 416,952; Oct. 9; Serial
No. 473,794; published Apr. 17, 1945.
Saws of all kinds, trowels of all kinds, corn knives, etc.
E. C. Atkins and Company. 416,953; Oct. 9; Serial
No. 473,795; published July 24, 1945.
Sewing-machines and parts thereof. Union Special Ma-
chine Company. 49,361; re-renewed Jan. 30, 1945. O.
G. Oct. 9.
Sewing-machines and sewing-machine attachments.
Abraham & Straus. 48,362; re-renewed Dec. 26, 1945.
O. G. Oct. 9.
Tools, Hay. F. E. Myers & Bro. Co. 206,744; renewed
Dec. 8, 1945. O. G. Oct. 9.
Wringers, Mop. Eagle Woodenware Mfg. Co. 207,548;
renewed Jan. 5, 1946. O. G. Oct. 9.

CLASS 26

Gages, cylindrical plug gages, etc., Thread plug. N. A.
Woodworth Company. 417,055; Oct. 9.

CLASS 27

Dials of enamel, metal and silver for watches and
standing pendulum clocks. Fluckiger & Cie. 416,961;
Oct. 9; Serial No. 477,295; published July 31, 1945.

CLASS 28

Bracelets, pendants and bar pins. R. E. Kaplan.
416,946; Oct. 9; Serial No. 471,311; published July
31, 1945.
Flatware, Silver plated. Home Decorators, Inc. 416,948;
Oct. 9; Serial No. 472,698; published July 31, 1945.

CLASS 31

Paper, Filter. Carl Schleicher & Schuell Company, Inc.
417,009; Oct. 9; Serial No. 484,464; published July
31, 1945.

CLASS 34

Grinders and pulverizers, fuel pulverizing and feeding
units, burners, etc., Fuel. Strong-Scott Mfg. Co.
201,697; renewed Aug. 4, 1945. O. G. Oct. 9.
Heating appliances. Estate Stove Company. 206,764;
renewed Dec. 8, 1945. O. G. Oct. 9.
Stoves, Coal and wood. Estate Stove Company.
201,705; renewed Aug. 4, 1945. O. G. Oct. 9.
Stoves, ranges, furnaces, etc. E. H. Huenefeld. 44,539;
re-renewed July 11, 1945. O. G. Oct. 9.

CLASS 35

Hose, Fabric. Eureka Fire Hose Co. 45,673-4; re-re-
newed Aug. 29, 1945. O. G. Oct. 9.
Hose, Fabric. Eureka Fire Hose Co. 45,776-81; re-
renewed Aug. 29, 1945. O. G. Oct. 9.
Hose, Fabric. Eureka Fire Hose Co. 46,105; re-renewed
Sept. 5, 1945. O. G. Oct. 9.
Hose, Fabric. Eureka Fire Hose Co. 46,182; re-renewed
Sept. 12, 1945. O. G. Oct. 9.
Hose, Fabric. Eureka Fire Hose Company. 47,006; re-
renewed Oct. 17, 1945. O. G. Oct. 9.
Hose, Hydraulic. Eureka Fire Hose Co. 46,106; re-
renewed Sept. 5, 1945. O. G. Oct. 9.
Hose, Hydraulic. Eureka Fire Hose Co. 46,677; re-
renewed Oct. 3, 1945. O. G. Oct. 9.
Rubber composition rod and joint packing. Garlock Pack-
ing Company. 48,356; re-renewed Dec. 26, 1945. O. G.
Oct. 9.
Valves, and sheet, steam, air, ammonia, water, and oil
packing, Pump. Crandall Packing Company. 207,135;
renewed Dec. 22, 1945. O. G. Oct. 9.

CLASS 36

Guitars, banjos, tenor banjos, etc. Grossman Music Co.
417,054; Oct. 9.
Pianos. Baldwin Piano Co. 46,059; re-renewed Sept. 5,
1945. O. G. Oct. 9.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 37

Lead-pencils. Eagle Pencil Company. 44,919-21; re-renewed Aug. 1, 1945. O. G. Oct. 9.
 Lead-pencils. Eagle Pencil Company. 45,700; re-renewed Aug. 29, 1945. O. G. Oct. 9.
 Lead-pencils. Eagle Pencil Company. 45,756; re-renewed Aug. 29, 1945. O. G. Oct. 9.
 Paper. Book. Kimberly-Clark Company. 203,701; re-renewed Sept. 22, 1945. O. G. Oct. 9.
 Pencils. Lead. Eagle Pencil Company. 44,924; re-renewed Aug. 1, 1945. O. G. Oct. 9.
 Pencils, colored pencils, fountain pens, etc. Lead. Eberhard Faber Pencil. 416,942; Oct. 9; Serial No. 468,340; published July 31, 1945.
 Pens. Metallic. Eagle Pencil Company. 44,942; re-renewed Aug. 1, 1945. O. G. Oct. 9.
 Stamps and holders and pads therefor. Rubber. S. R. Hershman. 416,957; Oct. 9; Serial No. 476,057; published July 31, 1945.
 Stationery. J. M. Katz. 417,002; Oct. 9; Serial No. 482,427; published July 31, 1945.

CLASS 38

Department or a section in a magazine. J. S. Hines. 417,030; Oct. 9.
 Magazine, Monthly. Booktab, Inc. 417,019; Oct. 9.
 Magazine, Monthly. Bryan Davis Publishing Company, Inc. 417,028; Oct. 9.
 Magazine, Trade. Ziff-Davis Publishing Company. 417,022; Oct. 9.
 Newspaper, Daily. New Yorker Staats Zeitung. 44,483; re-renewed July 11, 1945. O. G. Oct. 9.
 Newspapers. German Herold Publishing Co. of New York City, Inc. 206,123; renewed Nov. 24, 1945. O. G. Oct. 9.
 Periodical, Weekly. Amusement Publishing Co. 417,049; Oct. 9.

CLASS 39

Articles of apparel, Ladies', misses', and junior misses'. Burgundy Frocks. 417,011; Oct. 9.
 Blouses, jumpers, play suits, etc. Women's, misses', and girls'. B. Roth. 417,048; Oct. 9.
 Clothing for men and youths. Alfred Decker & Cohn, Inc. 203,026; renewed Sept. 8, 1945. O. G. Oct. 9.
 Clothing for men, women, and children. Alfred Decker & Cohn, Inc. 203,036; renewed Sept. 8, 1945. O. G. Oct. 9.
 Clothing, Juvenile boys' and men's. Oxford Manufacturing Co. 417,031; Oct. 9.
 Coats, Fur. Hecht Company. 417,021; Oct. 9.
 Coats, pants, overalls, and blouses. Larned Carter and Co. 48,481; re-renewed Jan. 2, 1945. O. G. Oct. 9.
 Hosiery. Schnykill Valley Mills, Inc. 204,712; renewed Oct. 20, 1945. O. G. Oct. 9.
 Knickers, longies, slacks, etc. Junior boys' and young men's. Louis Rosenblatt & Co., Inc. 417,016; Oct. 9.
 Overcoats and suits, Men's. Sherman & Sons, Inc. 206,577; renewed Dec. 8, 1945. O. G. Oct. 9.
 Playsuits, jumpers, blouses, one and two-piece dresses, etc., Ladies'. Korb Company. 417,034; Oct. 9.
 Shoes. Geo. Merritt Shoe Co., Inc. 417,043; Oct. 9.
 Shoes. Millus Shoe Company. 417,045; Oct. 9.
 Suits, coats, pants, etc., Men's. Brumbeau Clothes, Inc. 417,036; Oct. 9.
 Suits, coats, vests, etc. Pincus Brothers, Inc. 417,040; Oct. 9.
 Suits, jackets, skirts, etc., Ladies' and misses'. Davdow, Inc. Sportswear. 417,012; Oct. 9.
 Underwear, Knit. Bennett Textile Company, Inc. 207,244; renewed Dec. 22, 1945. O. G. Oct. 9.
 Wearing apparel, Women's and children's. Morse & Morse. 417,023; Oct. 9.

CLASS 42

Cotton piece goods. Nashua Manufg. Company. 207,282; renewed Dec. 29, 1945. O. G. Oct. 9.
 Cotton piece goods, combination silk and cotton piece goods, etc. Henry Glass & Co. 207,310; renewed Dec. 29, 1945. O. G. Oct. 9.
 Fabrics in the piece, Textile. Ted Stoppick & Co. 417,042; Oct. 9.
 Fabrics in the piece, Woolen and worsted. H. M. Prince. 417,044; Oct. 9.
 Piece goods of cotton, and gabardine. Style Trades Inc. 417,015; Oct. 9.
 Piece goods of mohair, wool, silk, etc. Goodall Worsted Company. 417,024-7; Oct. 9.
 Woolen dress goods. Botany Worsted Mills. 48,273; re-renewed Dec. 19, 1945. O. G. Oct. 9.
 Woolen piece goods. S. Stroock & Co., Inc. 417,020; Oct. 9.

CLASS 43

Thread. Standard Thread Company, Inc. 417,053; Oct. 9.

Thread and yarn. R. S. Ferguson. 416,990; Oct. 9; Serial No. 481,576; published July 31, 1945.
 Yarn. Spinnerin Yarn Co., Inc. 417,000; Oct. 9; Serial No. 481,862; published July 24, 1945.
 Yarn. Spinnerin Yarn Co., Inc. 417,001; Oct. 9; Serial No. 482,077; published July 31, 1945.
 Yarns. I. C. Smith. 416,998; Oct. 9; Serial No. 481,762; published July 31, 1945.

CLASS 44

Dental articulators. Aktiebolaget Dentatus. 416,959; Oct. 9; Serial No. 476,490; published July 31, 1945.
 Impression and molding compounds. S. S. White Dental Mfg. Co. 45,482; re-renewed Aug. 22, 1945. O. G. Oct. 9.
 Needles and combined needles and sutures, Surgical and dental. David & Geck, Inc. 203,122; renewed Sept. 8, 1945. O. G. Oct. 9.

CLASS 45

Beverage, Nonalcoholic orange. N. A. Foster. 417,051; Oct. 9.
 Beverages and sirups and concentrates for making the same, Nonintoxicating, maltless. Chero-Cola Company. 206,387; renewed Dec. 1, 1945. O. G. Oct. 9.
 Beverages and sirups and concentrates for making the same, Nonintoxicating, maltless. Chero-Cola Company. 207,317; renewed Dec. 29, 1945. O. G. Oct. 9.
 Beverages and sirups for making the same, Nonalcoholic. Southern Beverage Company. 200,830; renewed July 14, 1945. O. G. Oct. 9.
 Flavor and colorings for soft drinks, Nonalcoholic, maltless. J. F. Lazier Manufacturing Company, Incorporated. 207,344; renewed Dec. 29, 1945. O. G. Oct. 9.

CLASS 46

Apples, Fresh. Lake Chelan Fruit Growers. 207,338; renewed Dec. 29, 1945. O. G. Oct. 9.
 Apples in boxes, Fresh. Kelly Bros. Co. Inc. 206,795; renewed Dec. 8, 1945. O. G. Oct. 9.
 Beans, Dried. Albert Dickinson Company. 48,084; re-renewed Dec. 5, 1945. O. G. Oct. 9.
 Candles, General line of. Burton & Dreyer. 416,994; Oct. 9; Serial No. 481,611; published July 31, 1945.
 Candy. D. L. Clark Co. 207,376; renewed Dec. 29, 1945. O. G. Oct. 9.
 Candy. Tru Blue Biscuit Co. 207,307; renewed Dec. 29, 1945. O. G. Oct. 9.
 Chewing-gum. American Chicle Company. 207,397; renewed Dec. 29, 1945. O. G. Oct. 9.
 Chocolate, candy, cocoa and mustard. D. Ghirardelli Co. 205,776; renewed Nov. 17, 1945. O. G. Oct. 9.
 Coffee and tea. P. R. Myers & Co. 416,947; Oct. 9; Serial No. 471,484; published July 31, 1945.
 Flavorings and flavoring extracts (both synthetic and natural) for foods. Star Extract Works, Inc. 203,062; renewed Sept. 8, 1945. O. G. Oct. 9.
 Flour, Self-rising wheat. Red Star Milling Company. 204,046; renewed Oct. 6, 1945. O. G. Oct. 9.
 Fruits, Fresh citrus. Central Lemon Association. 207,333; renewed Dec. 29, 1945. Oct. 9.
 Fruits, Fresh citrus. Escondido Fruit Growers Association. 207,279; renewed Dec. 29, 1945. O. G. Oct. 9.
 Fruits, Fresh citrus. Orange Heights Fruit Association. 207,219; renewed Dec. 22, 1945. O. G. Oct. 9.
 Mayonnaise dressing, Thousand Island dressing, French dressing, etc. Berry & Son. 207,278; renewed Dec. 29, 1945. O. G. Oct. 9.
 Salt, baking-powder, cakes, and bread. G. Weddell. 27,138; re-renewed Oct. 8, 1945. O. G. Oct. 9.
 Vegetables, Canned. F. M. Ball & Company. 416,941; Oct. 9; Serial No. 465,938; published Feb. 29, 1944.

CLASS 47

Champagne or sparkling wine. American Wine Co. 46,969; re-renewed Oct. 17, 1945. O. G. Oct. 9.
 Vermouth, and other wines. Imperial Wine Products, Inc. 417,013; Oct. 9.
 Wines. S. Sebastiani. 417,035; Oct. 9.
 Wines. South American Supply Co. 417,029; Oct. 9.

CLASS 48

Beer. John Hohendal Brewery, Inc. 417,037; Oct. 9.

CLASS 49

Habanero; tequila, alcoholic cordials and gin. Cedarhurst Wine & Liquor Co., Inc. 417,014; Oct. 9.
 Liqueurs and gin. Le Sage Company. 417,047; Oct. 9.
 Liquors, Distilled alcoholic. Ronrico Corporation. 417,010; Oct. 9.
 Whiskey. Glenmore Distilleries Company. 417,046; Oct. 9.

LIST OF REISSUE PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 9TH DAY OF OCTOBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Irwin, Oliver C., deceased, by Standard Cap & Seal Corporation, New York, N. Y., a corporation of Virginia, assignee. Refrigerating system. Re. 22,678; Oct. 9.
 Montcalm, Incorporated: See—
 Roth, Joseph N., assignor.
 Negbaur, Harry, New York, N. Y. Cigarette lighter. Re. 22,679; Oct. 9.

Roth, Joseph N., Belding, assignor, by mesne assignments, to Montcalm, Incorporated, Greenville, Mich. Refrigerator. Re. 22,680; Oct. 9.
 Standard Cap & Seal Corporation: See—
 Irwin, Oliver C., assignor.

LIST OF PLANT PATENTEEES

Kellogg, R. M., Co.: See—
 Prushek, Emil, assignor.
 Prushek, Emil, Benton Harbor, assignor to R. M. Kellogg Co., Three Rivers, Mich. Chrysanthemum plant. 660; Oct. 9.

LIST OF DESIGN PATENTEEES

Anderson, Gudrun O., Eugene, Oreg. Doll. 142,509; Oct. 9.
 Anderson, Gustave A., Chicago, Ill. Milking machine claw. 142,510; Oct. 9.
 Ahndt, Arthur H., assignor to U. S. Slicing Machine Company, La Porte, Ind. Meat tenderer. 142,508; Oct. 9.
 Beveridge, James M., Bronxville, N. Y., and C. J. Cowan, East Orange, N. J., assignors to Malcolm A. Vendig Company, Incorporated, New York, N. Y. Cigarette case. 142,511; Oct. 9.
 Chesebrough Manufacturing Company, Consolidated: See—
 Furman, Murray F., assignor.
 Cowan, Clifton J.: See—
 Beveridge, J. M., and Cowan.
 Cronk, Alfred J., Chicago, Ill. Combination child's cart and rocker. 142,512; Oct. 9.
 Cross, Thomas, Saginaw, Mich. Golf club carrier. 142,513; Oct. 9.
 Dernehl, Herbert U., Milwaukee, Wis. Toy telegraph key. 142,514; Oct. 9.
 Dunler, Sidney, New York, N. Y. Coat. 142,515; Oct. 9.
 Eaton, Harold W., Worcester, and B. Trook, Westboro, Mass. Pinochle board. 142,516; Oct. 9.
 Eureka Vacuum Cleaner Company: See—
 Walker, G. W., and Hopkins, assignors.
 Furman, Murray F., Brooklyn, assignor to Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Jar or similar article. 142,517; Oct. 9.
 Halpern, Joseph, New York, N. Y. Two-piece hair ornament. 142,518; Oct. 9.
 Hiltbrand, Frank X., New York, N. Y. Handbag. 142,519; Oct. 9.
 Hodges, Frederick R., Chicago, Ill. Vigil glass. 142,520; Oct. 9.
 Hopkins, Kenneth A.: See—
 Walker, G. W., and Hopkins.
 Hughes, Joseph W., Southgate, London, England. Golf tee. 142,521; Oct. 9.
 Hussey, Chester L., Belchertown, Mass., assignor to Savage Arms Corporation, Utica, N. Y. Bicycle frame or the like. 142,522; Oct. 9.
 Lervag, Sigvald V., Little Falls, Minn. Game board. 142,523; Oct. 9.

Markwood, Calvin H., Denver, Colo. Ambulatory toy duck. 142,524; Oct. 9.
 Myers, Raymond L., U. S. Army, Broome County, N. Y. Desk. 142,525; Oct. 9.
 Myers, Raymond L., U. S. Army, Broome County, N. Y. Desk. 142,526; Oct. 9.
 Myers, Raymond L., U. S. Army, Broome County, N. Y. Desk. 142,527; Oct. 9.
 Novak, Edward J., Chicago, Ill. Toy shoe house. 142,528; Oct. 9.
 Popik, George, Hartford, Conn. Slipper. 142,529; Oct. 9.
 Rosenblatt, Manfred, Kew Gardens, N. Y. Combined spool holder and ruler. 142,530; Oct. 19.
 Sand, Robert T., Detroit, Mich. Weed puller. 142,531; Oct. 9.
 Savage Arms Corporation: See—
 Hussey, Chester L., assignor.
 Scherini, Eduardo J., Rosario, Argentina. Shoe heel. 142,532; Oct. 9.
 Smith, Donovan N., Sr., South Bend, Ind. Game counting board. 142,533; Oct. 9.
 Stafford, John R., Belleville, Ill. Game board. 142,534; Oct. 9.
 Storm, Frederick K., Jr., Los Angeles, Calif. Vacuum cleaner casing. 142,535; Oct. 9.
 Thiel, Bernard M., Mishawaka, Ind. Weighing scale. 142,536; Oct. 9.
 Trook, Burt: See—
 Eaton, H. W., and Trook.
 U. S. Slicing Machine Company: See—
 Ahndt, Arthur H., assignor.
 Vendig, Malcolm A., Company, Incorporated: See—
 Beveridge, J. M., and Cowan, assignors.
 Walker, George W., Pleasant Ridge, and K. A. Hopkins, Pontiac, assignors to Eureka Vacuum Cleaner Company, Detroit, Mich. Converter for suction cleaners. 142,537; Oct. 9.
 White, Norman W., Longport, N. J. Combined window shade and curtain. 142,538; Oct. 9.
 White, Norman W., Longport, N. J. Curtain bracket. 142,539; Oct. 9.
 White, Norman W., Longport, N. J. Curtain bracket. 142,540; Oct. 9.
 Zellweger, Gustav, Union City, N. J. Embroidered edging. 142,541; Oct. 9.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 9TH DAY OF OCTOBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acrow (Engineers) Limited: See—
De Vigier, William A., assignor.
Adams, Frederic H., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Stabilization of coloring compositions containing diazonium salts. 2,386,646; Oct. 9.
Aero Engineering Corporation: See—
Briner, Emil A., assignor.
Aetna Iron & Steel Company, The: See—
Spaulding, Ralph E., assignor.
Agriculture, United States of America as represented by Claude R. Wickard, and his successors, Secretary of: See—
Lineweaver, H. and McCready, assignors.
Aircraft Screw Products Company, Inc.: See—
Dawson, Hector G., assignor.
Air Reduction Company, Incorporated: See—
Dennis, Wolcott, assignor.
Lorch, Arthur E., assignor.
Aktiebolaget Kardbeslag: See—
Schaub, André H., assignor.
Aktiengesellschaft Brown, Boveri & Cie.: See—
Jonas, Julius, assignor.
Alben, Frank L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Steam-turbine locomotive. 2,386,186; Oct. 9.
Albi Chemical Corporation: See—
Jones, G. and Juda, assignors.
Alco-Gravure Division of Publication Corporation: See—
Kott, Hermann, assignor.
Allen Property Custodian: See—
Kégresse, Adolphe.
Marzetti, Manlio.
Miller, Géza W., assignor.
Allied Chemical & Dye Corporation: See—
Canavan, Edward J., assignor.
Allmänna Svenska Elektriska Aktiebolaget: See—
Lamm, U. and Plén, assignors.
Aluminum Company of America: See—
Eastwood, La Verne W., assignor.
American Car and Foundry Company: See—
McBride, John J., assignor.
American Cyanamid Company: See—
Adams, F. H., Lecher, and Hardy, assignors.
Christmann, L. J., and Houpt, assignors.
Crossley, M. L. and West, assignors.
Davis, Arnold R., assignor.
Lecher, H. Z., and Hardy, assignors.
Meincke, Edmund R., assignor.
Thurston, Jack T., assignor.
American Electro Metal Corporation: See—
Goetz, Claus G., assignor.
American Steel Foundries: See—
Kinne, E. P., and Kayler, assignors.
American Viscose Corporation: See—
McDermott, Henry J., assignor.
Taylor, Robert J., assignor.
Andersen, Johan M., Hopkinton, Mass. Electrical connector. 2,386,177; Oct. 9.
Anderson, Ernest H., Jamestown, N. Y. Fastener for bed rails and the like. 2,386,178; Oct. 9.
Andresen, Gilbert J. C., Port Clinton, Ohio. Method and apparatus for detecting and neutralizing static charges on aircraft or the like. 2,386,647; Oct. 9.
Andresen, William A., and L. Boero, assignors to The Casement Hardware Company, Chicago, Ill. Tropical louver construction. 2,386,380; Oct. 9.
Andress, Harry J., Jr.: See—
Reiff, O. M., and Andress.
Andrus, Foscoe H., Windsor, Conn. Positioning indicator for engine pistons. 2,386,179; Oct. 9.
Apfelbaum, Huna L., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Lipstick holder. 2,386,417; Oct. 9.
Armbrust, John T., Chicago, Ill. Three-dimensional picture. 2,386,418; Oct. 9.
Armington, George E.: See—
Armington, R. Q., S. F., and G. E.
Armington, Ramond Q., Shaker Heights, S. F. Armington, Willoughby, and G. E. Armington, South Euclid, assignors to The Euclid Road Machinery Company, Euclid, Ohio. Conveyor loader with diagonal belt. 2,386,187; Oct. 9.
Armington, Stewart F.: See—
Armington, R. Q., S. F., and G. E.
Armour and Company: See—
Porsche, J. D., and Solms, assignors.

Artsay, Nicholas C., Valhalla, assignor to Foster Wheeler Corporation, New York, N. Y. Heat exchange apparatus. 2,386,188; Oct. 9.
Askania Regulator Company: See—
Glass, Paul, assignor.
Atlantic Coast Fisheries Company, The: See—
Taylor, H. F., and Robinson, assignors.
Aubert, Fred B., Grosse Pointe, Mich. Control device. 2,386,648; Oct. 9.
Auer, George A., Chicago, Ill. Streamcurrent apparatus for handling solutions and suspensions. 2,386,419; Oct. 9.
Auerbach, Zernach, New York, N. Y. Razor blade. 2,386,180; Oct. 9.
Aviation Corporation: See—
Lawler, J. A., and Hoffman, assignors.
Ayerst, McKenna & Harrison Limited: See—
Stearns, Lyon P., assignor.
B. B. Chemical Co.: See—
Macdonald, A. D., and Rishon, assignors.
Backlin, Clarence R., Floral Park, assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Thread control device for sewing machines. 2,386,678; Oct. 9.
Bacon, Henry M., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Spinning roll cover. 2,386,583; Oct. 9.
Bagley, Glen D., Lewiston, N. Y., assignor to Electro Metallurgical Company. Apparatus for producing magnesium. 2,386,189; Oct. 9.
Bailey, Carrol A., Woodland, Calif. Measuring device. 2,386,181; Oct. 9.
Bailey, William J. A., Packanack Lake, N. J., and C. E. Whiteman, Richmond Hill, assignors to International Business Machines Corporation, New York, N. Y. Gun sight. 2,386,420; Oct. 9.
Balcar, Frederick R., Stamford, Conn., assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc. Antifreeze composition. 2,386,182; Oct. 9.
Balcar, Frederick R., Stamford, Conn., assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc., New York, N. Y. Antifreeze composition. 2,386,183; Oct. 9.
Balsiger, Harold E., Waynesboro, Pa., and R. E. Price, Highfield, Md., assignors to Landis Tool Company, Waynesboro, Pa. Hydraulic control device. 2,386,184; Oct. 9.
Barber-Colman Company: See—
Drake, Russell P., assignor.
Lilja, Edgar D., assignor.
Barsky, George, New York, N. Y., assignor to Wecoline Products, Inc., Boonton, N. J. Safety glass composition. 2,386,534; Oct. 9.
Bassford, Henry H., Jr., Brooklyn, assignor to U. S. Shellac Importers Association, Inc., New York, N. Y. Preparing neutral shellac salts. 2,386,421; Oct. 9.
Beattie, Horace S., East Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y. Alphabetic printing mechanism. 2,386,422; Oct. 9.
Beaver, Charles J., Bowdon, E. L. Davey, Temperley, and J. H. Pirie, Hale, assignors to W. T. Glover & Company Limited, Trafford Park, England. High voltage electric cable termination and joint. 2,386,185; Oct. 9.
Beckley, Arthur H., Jr., Portland, Oreg., assignor to The Moore Dry Kiln Company of Oregon. Roller drier. 2,386,286; Oct. 9.
Beinhoff, William K., Cleveland, Ohio. Shaping press. 2,386,535; Oct. 9.
Belcourt, Paul J., Meriden, Conn. Automatic multiple puffing machine. 2,386,649; Oct. 9.
Bell, Leroy V., Wakefield, R. I. Mother ship. 2,386,650; Oct. 9.
Bell, Stanley A.: See—
Hughes, H. R., and Bell.
Bell Telephone Laboratories, Incorporated: See—
Frosch, Carl J., assignor.
Hubbard, Francis A., assignor.
Mallina, Rudolph F., assignor.
Nyquist, Harry, assignor.
Rigterink, Merle D., assignor.
Spencer, Harry H., assignor.
Swart, Leland K., assignor.
Williams, Ernest P., assignor.
Beloit Iron Works: See—
Berry, Earl E., assignor.

Bendix Aviation Corporation: See—
Douglas, R. M., and Huyck, assignors.
Miller, Raymond J., assignor.
Bensel, Duryea, Los Angeles, Calif. Safety razor. 2,386,536; Oct. 9.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Reverse press section for paper making machine. 2,386,584; Oct. 9.
Bethlehem Steel Company: See—
Stattler, W. H., and Miller, assignors.
Betterton, Thomas B.: See—
Holabird, W. S., and Betterton.
Betts, Maseppa D., Rockport, assignor to Sylvania Electric Products Inc., Salem, Mass. End cap for gaseous discharge lamps. 2,386,190; Oct. 9.
Bibb, Carlisle H., assignor to Newport Industries, Inc., Pensacola, Fla. Producing isoprene. 2,386,537; Oct. 9.
Bird, Len O.: See—
Brimhall, Kirk L., assignor.
Bisson, Ernest W., Albany, N. Y., assignor to General Electric Company. Variable voltage divider. 2,386,651; Oct. 9.
Blakely, Robert T., Silver Spring, Md., assignor to International Business Machines Corporation, New York, N. Y. Code presentation register. 2,386,423; Oct. 9.
Blanco, John R., W. Green, Sutton Coldfield, Albert E. T. Neale, Erdington, Birmingham, and D. F. Twiss, Sutton Coldfield, assignors to Dunlop Rubber Company Limited, London County, England. Production of emulsions or compositions of or containing organic polysulphides and articles produced therefrom. 2,386,287; Oct. 9.
Blank, Rudolph H., Treadwell, N. Y. Pressure actuated shut-off. 2,386,585; Oct. 9.
Blaylock, Raymond C., Kenmore, N. Y., assignor to Curtis-Wright Corporation. Landing gear and wing slot control. 2,386,288; Oct. 9.
Bludworth, Joseph E., Cumberland, and S. B. Jeffries, Long, Md., assignors to Celanese Corporation of America. Treatment of pentarythritol. 2,386,289; Oct. 9.
Boero, Louis: See—
Andresen, W. A., and Boero.
Bolsay, Jacques, New York, N. Y. Body for apparatus or the like, particularly for photographic apparatus. 2,386,538; Oct. 9.
Booth, Rolfe G.: See—
Brunton, B., and Booth.
Boots, Lawrence, Bayard, Iowa. Plowshare. 2,386,424; Oct. 9.
Bordern, Alvin M., W. D. Wolfe, H. J. Osterhof, Cuyahoga Falls, and C. W. Walton, Stow, assignors to Wingfoot Corporation, Akron, Ohio. Method of diene polymerization. 2,386,735; Oct. 9.
Borg, Ernst L. S., Gothenburg, assignor to Fabriksaktiebolaget Haldatameter, Holmstad, Sweden. Shearing and punching machine for sheet metal. 2,386,652; Oct. 9.
Borg-Warner Corporation: See—
Zeldner, Reinhold C., assignor.
Bowman, Wade W., assignor to Frostidrink Inc., New York, N. Y. Check controlled apparatus. 2,386,191; Oct. 9.
Bragg, Thomas W.: See—
Jaynes, A., and Bragg.
Brand, Samuel, Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Adding and subtracting mechanism. 2,386,425; Oct. 9.
Brannon, Herbert E., Detroit, Mich. Electric broiler. 2,386,426; Oct. 9.
Brant, Joseph H., and R. L. Hasche, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of acrylonitriles. 2,386,586; Oct. 9.
Breck, Samuel, Rutherford, N. J., assignor to United States Rubber Company, New York, N. Y. Vulcanization of olefine-diolefine copolymers. 2,386,427; Oct. 9.
Bressler, Jacob N., Detroit, Mich. Bedspring. 2,386,428; Oct. 9.
Breyer, Frank G., Wilton, Conn., assignor to Dominion Magnesium Limited, Toronto, Ontario, Canada. Production of metals in multiple retort distilling furnace. 2,386,429; Oct. 9.
Brillo Manufacturing Company, Inc.: See—
Field, Crosby, assignor.
Brimhall, Kirk L., San Gabriel, Calif., assignor to Len O. Bird. Tractor hitch control. 2,386,192; Oct. 9.
Briner, Emil A., East Orange, N. J., assignor to Aero Engineering Corporation. Variable pitch propeller. 2,386,587; Oct. 9.
Brittain, Eric H.: See—
Staudinger, H. P., Tuerck, and Brittain.
Brooks Equipment and Mfg. Co.: See—
Hay, John J., assignor.
Brooks, Percy E., Woodridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Tool. 2,386,290; Oct. 9.
Brown, Alfred G., Los Angeles, assignor of one-half to L. T. Sepin, Los Angeles County, Calif. Rotary motor. 2,386,539; Oct. 9.
Browne, Francis C., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Manufacture of tubular products. 2,386,653; Oct. 9.
Browne, Kenneth A., Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Equalizing valve. 2,386,291; Oct. 9.

Brumhill, Claude W., assignor to The Imperial Typewriter Company, Limited, Leicester, England. Manifolding apparatus for typewriting machines. 2,386,430; Oct. 9.
Bumhill, Claude W., assignor to The Imperial Typewriter Company, Limited, Leicester, England. Leading edge gauge for typewriting machines. 2,386,431; Oct. 9.
Brunton, Bernard, and R. G. Booth, London, England. Joints of walls, roofs, and the like constructed from preformed panels or slabs. 2,386,588; Oct. 9.
Brunson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Cyanoethylation of ketones. 2,386,736; Oct. 9.
Brunson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Cyanoethylated cyclic ketones. 2,386,737; Oct. 9.
Brutvan, John J.: See—
Wilson, W., and Brutvan, assignors.
Bucyrus-Erie Company: See—
Watson, George R., assignor.
Budd, Edward G., Manufacturing Company: See—
Pancoe, G. W., and Dean, assignors.
Ulrich, Theodore, assignor.
Watter, Michael, assignor.
Buffalo Electro-Chemical Company, Inc.: See—
Leviton, N. L., and Knoch, assignors.
Bullock, Edward W., assignor to Gleason Works, Rochester, N. Y. Index mechanism. 2,386,432; Oct. 9.
Burke, William O.: See—
North, E. W., and Burke.
Butts, Armstrong C., Cumberland, Md., assignor to Superior Railway Products Corporation, Pittsburgh, Pa. Chamber cleaning device. 2,386,193; Oct. 9.
Byrkit, Gordon D.: See—
Lincoln, Bert H., and Byrkit.
Caldwell, Walter A., West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited. Chemical immersion heater. 2,386,654; Oct. 9.
Caldwell, Walter T., assignor, by mesne assignments, to Valve Engineering Company, Enid, Okla. Valve and operating mechanism therefor. 2,386,589; Oct. 9.
Calhoun, Vernon, Chicago, Ill. Catamenial device. 2,386,590; Oct. 9.
Campbell, James T., Detroit, Mich. Plate whirler. 2,386,591; Oct. 9.
Campodonico, John J., Stockton, Calif. Multispeed gear transmission. 2,386,540; Oct. 9.
Campodonico, John J., Stockton, Calif. Multispeed gear transmission. 2,386,541; Oct. 9.
Camz, Jules P., Geneva, Switzerland. Device for locking the platens of typewriters. 2,386,655; Oct. 9.
Canavan, Edward J., West Englewood, N. J., assignor, by mesne assignments, to Allied Chemical & Dye Corporation. Bituminous composition and making same. 2,386,592; Oct. 9.
Carlson, Stanley H., Seattle, Wash., assignor, by mesne assignments, to Flex-Weld Corporation. Welder's hood. 2,386,656; Oct. 9.
Carnegie-Illinois Steel Corporation: See—
Deans, Robert S., assignor.
Carrier Corporation: See—
Carrier, Willis H., assignor.
Carrier, Willis H., assignor to Carrier Corporation, Syracuse, N. Y. Dehumidification methods and means. 2,386,292; Oct. 9.
Carstaphen, William P., Denver, Colo., assignor of one-third to L. Willis, South Bend, Ind., and one-third to O. Daniel, Denver, Colo. Amplifying transmitter. 2,386,657; Oct. 9.
Carter, Clyde C., Dallas, assignor of twenty-five per cent to C. T. Stewart, Baytown, Tex. Activator for wells. 2,386,593; Oct. 9.
Carter, William and G. Winchell, Chicago, Ill. Filter. 2,386,433; Oct. 9.
Casement Hardware Company, The: See—
Andresen, W. A., and Boero, assignors.
Caspersz, Maurus L. B. J., Maradana, Colombo, Ceylon. Apparatus for producing radiographs. 2,386,658; Oct. 9.
Celanese Corporation of America: See—
Bludworth, J. E., and Jeffries, assignors.
Chain Belt Company: See—
Longenecker, Charles I., assignor.
Chesney, Henry H.: See—
Elkington, Frank.
Chester, Frank R., Manhattan Beach, Calif. Knife sharpener. 2,386,194; Oct. 9.
Chicago Rawhide Manufacturing Company: See—
Northrup, Harry L., assignor.
Chicopee Manufacturing Corporation: See—
Vose, Robert W., assignor.
Christmann, Ludwig J., Yonkers, N. Y., and A. G. Houpt, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Producing high-grade calcium cyanide. 2,386,434; Oct. 9.
Christmann, Ludwig J., Yonkers, N. Y., and A. G. Houpt, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Producing alkaline earth metal cyanides. 2,386,435; Oct. 9.
Christmann, Ludwig J., Yonkers, N. Y., and A. G. Houpt, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of alkaline earth metal cyanides by double decomposition. 2,386,436; Oct. 9.

Ciba Pharmaceutical Products Incorporated: See—
Miescher, Karl, assignor.

Clark, Charles A., assignor to Leupold & Stevens Instruments, Portland, Oreg., a partnership composed of F. Leupold, J. C. Stevens, M. Leupold, and R. J. Stevens. Pelorus. 2,386,542; Oct. 9.

Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Dielectric material. 2,386,659; Oct. 9.

Clark, Kenneth C., Watsonville, Calif. Vehicle coupler. 2,386,195; Oct. 9.

Clarke, Robert B. F. F.: See—
Flint, C. F., and Clarke.

Clayton, Andrew B., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feeding mechanism for sewing machines. 2,386,660; Oct. 9.

Clements, Ernest W., assignor to A. A. Kramer, Kansas City, Kans. Adjustable pressure relief valve. 2,386,293; Oct. 9.

Cleveland Twist Drill Company, The: See—
Wilson, W. and Brutvan, assignors.

Clifford, Albert M., Stow and W. D. Wolfe, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Improved butadiene-acrylonitrile copolymers. 2,386,661; Oct. 9.

Cohn, David: See—
Rolfen, George B., assignor.

Coleman Lamp and Stove Company, The: See—
Coleman, W. C., and Martin, assignors.

Coleman, William C., and R. Martin, assignors to The Coleman Lamp and Stove Company, Wichita, Kans. Heater unit for air circulating heaters. 2,386,437; Oct. 9.

Colley, Arthur R.: See—
Spurlino, P., Colley, Lehman, and Gantner.

Collins, James J., New York, N. Y. Firearm. 2,386,543; Oct. 9.

Columbus McKinnon Chain Corporation: See—
Manney, C. J., and Moore, assignors.

Conard, Harry N.: See—
Robertson, T. C., Conard, and Richards.

Condenser Development Corporation: See—
Cramer, Stanley S., assignor.

Cone, Russell C., assignor of one-third to W. G. Hatcher, Mine Centre, Ontario, Canada. Charge forming device for internal-combustion engines. 2,386,594; Oct. 9.

Connell, Lloyd E., and L. W. Jones, San Francisco, Calif. Vehicle wheel block device. 2,386,595; Oct. 9.

Consolidated Car Heating Company, Inc.: See—
Parsons, Robert J., assignor.

Continental Oil Company: See—
Lincoln, Bert E., and Byrkit, assignors.

Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,386,438; Oct. 9.

Corbett, Joseph R., Sharonville, Ohio, assignor to NuTone, Incorporated, New York, N. Y. Chime signal. 2,386,738; Oct. 9.

Cordis, Nat., Chicago, Ill. Typewriter ribbon guide. 2,386,439; Oct. 9.

Corning Glass Works: See—
Daudt, William D., assignor.

Fleming, Robert F., Jr., assignor.

Hood, Harrison P., assignor.

Hyde, James F., assignor.

McGregor, R. R., and Warrick, assignors.

Corn Products Refining Company: See—
Schoch, Thomas J., assignor.

Cornwell, Ralph T. K., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Producing a plasticizing composition. 2,386,381; Oct. 9.

Coss, Harold T., and G. T. Pearce, Somerville, and G. A. Downsborough, Princeton, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Jet control. 2,386,294; Oct. 9.

Couse, Kibbey W., Newark, N. J. Power structure. 2,386,597; Oct. 9.

Cramer, Raymond H., Bloomfield, N. J., assignor to General Motors Corporation. Grinding machine. 2,386,382; Oct. 9.

Cramer, Stanley S., Haddon Heights, assignor, by mesne assignments, to Condenser Development Corporation, Newark, N. J. Mechanical tuning means. 2,386,598; Oct. 9.

Crock, Gregory F., Atlanta, Ga., assignor to General Floor Company, New York, N. Y. Concrete planing machine. 2,386,662; Oct. 9.

Crocker, Ernest C., Belmont, Mass., assignor, by mesne assignments, to The Lane Company, Inc., Altavista, Va. Cedar chest. 2,386,440; Oct. 9.

Crossley, Moses L., and B. L. West, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Azo dyes. 2,386,596; Oct. 9.

Crowley, Henry L., South Orange, N. J. Producing metallic bodies. 2,386,544; Oct. 9.

Cummings, Fred A.: See—
Shipman, R. F., assignor.

Curtis, Earl W.: See—
Harrold, C. W., and Curtis.

Curtis-Wright Corporation: See—
Blaylock, Raymond C., assignor.

Rowe, D. C., and Payne, assignors.

Williams, Sidney B., assignor.

Cushman, Lee H., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Controlling mechanism. 2,386,383; Oct. 9.

Dalin, David, Kristiansborg, Sweden. Apparatus for separating from a gas or liquid medium solid or liquid particles. 2,386,196; Oct. 9.

Daniels, James W., Fort Myers, Fla. Clam dredge. 2,386,295; Oct. 9.

Daniels, Olive, et al.: See—
Carstarphen, William P., assignor.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Railway car truck. 2,386,384; Oct. 9.

Daudt, William H., assignor to Corning Glass Works, Corning, N. Y. Bis-trimethylsilyl oxide and its preparation. 2,386,441; Oct. 9.

Davey, Edward L.: See—
Beaver, C. J., Davey, and Pirie.

Davidson Manufacturing Corporation: See—
Davidson, William W., assignor.

Davidson, William W., Evanston, Ill., assignor to Davidson Manufacturing Corporation. Typewriter. 2,386,442; Oct. 9.

Davis, Arnold R., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Softening of rubber and of synthetic rubberlike substances. 2,386,443; Oct. 9.

Dawson, Hector G., Glendale, Long Island, assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y. Nut. 2,386,197; Oct. 9.

Dayton Rubber Manufacturing Company, The: See—
Bacon, Henry M., assignor.

Dean, Albert G.: See—
Pancoe, G. W., and Dean.

Deans, Robert S., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Edge scraper for electrolytic tinning lines and the like. 2,386,663; Oct. 9.

De Fazi, Carlo: See—
De Fazi, Fulvio, assignor.

De Fazi, Fulvio, New York, N. Y., assignor of one-half to C. De Fazi, Jamaica Plain, Mass. Swaging apparatus. 2,386,296; Oct. 9.

De Graw, Moroni J., Boise, Idaho. Wrench. 2,386,444; Oct. 9.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Composition of matter. 2,386,445; Oct. 9.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Composition of matter. 2,386,446; Oct. 9.

Delta Manufacturing Company, The: See—
Wiken, C. A., and Reibig, assignors.

Dennis, Wolcott, Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separation of the constituents of gaseous mixtures by liquefaction and rectification. 2,386,297; Oct. 9.

Derman, Harry, Great Neck, N. Y. Cabinet. 2,386,664; Oct. 9.

De Vigier, William A., Northwood, assignor of one-half to Acrow (Engineers) Limited, Northwood, Middlesex, England. Extrusion apparatus for molding blocks, tubes, and the like. 2,386,665; Oct. 9.

Dickey, Joseph B.: See—
McNally, J. G., and Dickey.

Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and material colored therewith. 2,386,599; Oct. 9.

Dinsmore, Ray P., assignor to Wingfoot Corporation, Akron, Ohio. Threadlike structure. 2,386,666; Oct. 9.

Distillers Company Limited: See—
Staudinger, H. P., Tuerck, and Brittain, assignors.

Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Lifting mechanism for sliding doors. 2,386,385; Oct. 9.

Dodson, Wayne E., Caldwell, N. J., assignor to General Electric Company. Multistage refrigerating system. 2,386,198; Oct. 9.

Doherty, William H., Elmhurst, N. Y. Shoe sole. 2,386,667; Oct. 9.

Doke, Ernest G., assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill. Light gauge securing clip. 2,386,386; Oct. 9.

Dominick, Theodore W., U. S. Navy. Relief map base. 2,386,199; Oct. 9.

Dominion Magnesium Limited: See—
Breyer, Frank G., assignor.

Douglas, Raymond M., Alpena, Mich., and R. S. Huyck, assignors to Bendix Aviation Corporation, South Bend, Ind. Piston. 2,386,668; Oct. 9.

Dow Chemical Company, The: See—
Dreischbach, Robert R., assignor.

Downing, James R. O., assignor to National Research Corporation, Boston, Mass. Diffusion pump. 2,386,299; Oct. 9.

Downing, James R. O., and W. B. Humes, assignors to National Research Corporation, Boston, Mass. Diffusion pump. 2,386,298; Oct. 9.

Downsborough, George A.: See—
Coss, H. T., Pearce, and Downsborough.

Drake, Earl D., Grand Rapids, assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,386,387; Oct. 9.

Drake, Russell P., Caledonia, assignor to Barber-Colman Company, Rockford, Ill. Drop wire compressor for warp drawing machines. 2,386,600; Oct. 9.

Dreischbach, Robert R., assignor to The Dow Chemical Company, Midland, Mich. Rubberlike copolymers and making same. 2,386,447; Oct. 9.

Dreischbach, Robert R., assignor to The Dow Chemical Company, Midland, Mich. Production of synthetic rubbers. 2,386,448; Oct. 9.

Dreischbach, Robert R., assignor to The Dow Chemical Company, Midland, Mich. Recovery of rubberlike products from emulsion. 2,386,449; Oct. 9.

Drennan, Harry E.: See—
Schulze, W. A., Hilmyer, and Drennan.

Drennan, Harry E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovery of diolefins. 2,386,200; Oct. 9.

Drennan, Harry E., and W. A. Schulze, Bartlesville, Okla., assignors to Phillips Petroleum Company. Treating hydrocarbons. 2,386,300; Oct. 9.

Drobish, Adolph E., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article handling apparatus. 2,386,545; Oct. 9.

Drysdale, Bob, Sunnyvale, Calif. Charge forming device. 2,386,388; Oct. 9.

Duke, Earl H., and J. L. Wait, Jr., Houston, Tex. Mechanism for accelerating the wheels of the landing gear of an airplane. 2,386,301; Oct. 9.

Dunlop Rubber Company Limited: See—
Blanco, J. E., Neale, and Twiss, assignors.

Du Pont, E. I., de Nemours & Company: See—
Roland, John R., assignor.

Rosenberg, Hans R., assignor.

Rosenberg, H. R., and Turnbull, assignors.

Eastman Kodak Company: See—
Brant, J. H., and Hasche, assignors.

Dickey, J. B., and McNally, assignors.

Fisher, Webster E., assignor.

Gioseff, Victor N., assignor.

Luboshez, Benjamin E., assignor.

McNally, J. G., and Dickey, assignors.

Nadeau, G. F., Hilborn, and Hunter, assignors.

Nadeau, G. F., and Hunter, assignors.

Eastman Kodak Company, et al.: See—
Strain, W. H., Platt, and Warren, assignors.

Eastwood, La Verne W., University Heights, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Aluminum base alloy. 2,386,302; Oct. 9.

Eberhart, Arthur H., Springfield, Mass., assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Air conditioning apparatus. 2,386,303; Oct. 9.

Elbert, Robert S., Jr., assignor to Landis Tool Company, Waynesboro, Pa. Motor control device. 2,386,304; Oct. 9.

Electro Metallurgical Company: See—
Bagley, Glen D., assignor.

Elkington, Frank, Sheffield, and H. H. Chesny, Workson, England; said Elkington assignor to said Chesny. Production of calcium and magnesium compounds from dolomite. 2,386,389; Oct. 9.

Eller, Harry E., Chicago, Ill. Portable, vertically adjustable, and collapsible stand. 2,386,450; Oct. 9.

Ellis, Emmett S., Pontiac, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Weld flash trimming machine. 2,386,451; Oct. 9.

Ely, Albert R., and R. B. Smith, assignors to Hercules Powder Company, Wilmington, Del. Container for blasting caps. 2,386,546; Oct. 9.

Emerson Radio and Phonograph Corporation: See—
Fogel, Henry, assignor.

Epworth, Sylvia D., New York, assignor to George Spalt & Sons, Inc., Albany, N. Y. Article of furniture. 2,386,739; Oct. 9.

Ericson, George R., Kirkwood, Mo. Engine control device. 2,386,669; Oct. 9.

Euclid Road Machinery Company, The: See—
Armington, R. Q., S. F., and G. E., assignors.

Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for contacting gases with a solid material. 2,386,670; Oct. 9.

Ewaldson, Waldemar C., Millington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material handling apparatus. 2,386,547; Oct. 9.

Fabriksaktiebolaget Haldaxameter: See—
Borg, Ernest L. S., assignor.

Fairchild Engine and Airplane Corporation: See—
Johnson, Halex, assignor.

Farnsworth Television and Radio Corporation: See—
Pressley, Jackson H., assignor.

Federal Telephone & Radio Corporation: See—
Kotterman, Chester A., assignor.

Ferguson, J. Allen, Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Furniture leg mounting. 2,386,201; Oct. 9.

Fernellus, Willis C., West Lafayette, Ind., and J. P. McReynolds, Columbus, Ohio. Apparatus for extracting sulphur from gases. 2,386,390; Oct. 9.

Fernellus, Willis C., and J. P. McReynolds, Columbus, Ohio, assignors to Southern Acid & Sulphur Company, Inc., St. Louis, Mo. Extraction of sulphur from gases. 2,386,202; Oct. 9.

Feld, Crosby, Brooklyn, N. Y., assignor to Brillo Manufacturing Company, Inc. Apparatus for coating a fibrous strip. 2,386,203; Oct. 9.

Fike, Charles H., and H. R. Heinzen, Cleveland, Ohio, assignors to General Motors Corporation, Detroit, Mich. Engine speed control system. 2,386,392; Oct. 9.

Fike, Charles H., and H. R. Heinzen, Cleveland, Ohio, assignors to General Motors Corporation, Detroit, Mich. Ship drive and maneuvering control system. 2,386,391; Oct. 9.

Fillery, James A., Philadelphia, Pa. Micrometer indicator for tools. 2,386,671; Oct. 9.

Fink, William C., assignor to Wabash Appliance Corporation, Brooklyn, N. Y. Photoflash lamp. 2,386,672; Oct. 9.

Fischer, Charles, New York, N. Y. Adjustable connecting bridge for goggle frames. 2,386,175; Oct. 9.

Fisher, Frederick E., Scotia, N. Y., assignor to General Electric Company. Winding slot wedge. 2,386,673; Oct. 9.

Fisher, Webster E., Pine Bluff, Ark., assignor to Eastman Kodak Company, Rochester, N. Y. Distillation control. 2,386,601; Oct. 9.

Fleming, Robert E., Jr., Laurens, S. C., assignor to Corning Glass Works, Corning, N. Y. Organo silicon compounds and making them. 2,386,452; Oct. 9.

Fier-Weld Corporation: See—
Carlson, Stanley H., assignor.

Flinckinger, Alton D., Inglewood, Calif. Vacuum type exhaust muffler. 2,386,305; Oct. 9.

Flint, Colin F., and R. B. F. F. Clarke, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Pulverulent materials and dispersions produced therefrom. 2,386,674; Oct. 9.

Fogel, Henry, Brooklyn, assignor to Emerson Radio and Phonograph Corporation, New York, N. Y. Apparatus for providing regulated direct current voltage. 2,386,548; Oct. 9.

Forbes, Joseph A., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake. 2,386,453; Oct. 9.

Ford, Reginald C., Allesley near Coventry, England. Pump or compressor. 2,386,675; Oct. 9.

Foster Wheeler Corporation: See—
Artsay, Nicholas C., assignor.

Freeman, Paul B.: See—
Whitell, R. O., and Freeman, assignors.

French, Charles A., Greenville, S. C. Sterilizing apparatus and process. 2,386,676; Oct. 9.

Friedheim, Ernst A. H., New York, N. Y. Substituted 1,3,5-triazinyl-(6)-aminophenyl-arsenic compounds. 2,386,204; Oct. 9.

French, Carl J., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High molecular weight linear polyester-amides. 2,386,454; Oct. 9.

Frostidrink Inc.: See—
Bowman, Wade W., assignor.

G and A Laboratories, Inc.: See—
Hasselstrom, Torsten, assignor.

Gantner, Frederick: See—
Spurlino, P., Colley, Lehman, and Gantner.

Garand, John C., Springfield, Mass. Firearm. 2,386,205; Oct. 9.

Gardiner, Robert E., University City, assignor to Majestic Manufacturing Company, St. Louis, Mo. Base construction. 2,386,306; Oct. 9.

Geldman, Louis, Yonkers, N. Y. Sintering apparatus. 2,386,393; Oct. 9.

General American Aerocoach Company: See—
Smith, Lawrence H., assignor.

General Electric Company: See—
Bislon, Ernest W., assignor.

Clark, Frank M., assignor.

Dodson, Wayne E., assignor.

Fisher, Frederick E., assignor.

Hemphill, Lawrence F., assignor.

Martin, Harold M., assignor.

Norton, Francis J., assignor.

Redmond, James H., assignor.

Theisen, Joseph L., assignor.

General Electric Company, Limited, The: See—
Thompson, William G., assignor.

General Floor Company: See—
Crock, Gregory F., assignor.

General Motors Corporation: See—
Cramer, Raymond H., assignor.

Fike, C. H., and Heinzen, assignors.

General Printing Ink Corporation: See—
Hill, Frederick W., assignor.

General Research, Inc.: See—
Simjian, Luther G., assignor.

General Tire & Rubber Company, The: See—
Kraft, Herman T., assignor.

Peik, Paul G., assignor.

Giammaria, John J., and O. M. Reiff, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,386,206; Oct. 9.

Giles, Eugene M., assignor to W. D. Kelly, Western Springs, Ill. Stop nut. 2,386,307; Oct. 9.
 Gille, Hugo E.: See—
 Jenny, Robert W., and Gille.
 Gillette Safety Razor Company: See—
 Testi, Nicholas, assignor.
 Gioselli, Victor N., assignor to Eastman Kodak Company, Rochester, N. Y. Sensitizing and protecting metal plates. 2,386,602; Oct. 9.
 Glaser, Michael, New York, N. Y. Garment hanger. 2,386,603; Oct. 9.
 Glass, Paul, assignor to Askania Regulator Company, Chicago, Ill. Pulsating circuit and control system. 2,386,677; Oct. 9.
 Gleason Works: See—
 Bullock, Edward W., assignor.
 Globe Holst Company: See—
 Thompson, Elmer B., assignor.
 Globe Products Manufacturing Company: See—
 Hellman, Paul, assignor.
 Glover, W. T., & Company Limited: See—
 Beaver, C. J., Davey, and Pirie, assignors.
 Godfrey, Charles K., Los Angeles, Calif. Produce display fixture. 2,386,208; Oct. 9.
 Goetz, Claus G., assignor to American Electro Metal Corporation, Yonkers, N. Y. Molding under pressure metallic powders. 2,386,604; Oct. 9.
 Goldborough, Shirley L., Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Modified-impedance carrier relay. 2,386,209; Oct. 9.
 Goodrich, B. F. Company, The: See—
 Hunter, Willson H., assignor.
 Trockle, F. E., McCellan, and Simpson, assignors.
 Gorton, Edward S., Mobile, Ala. Packing means for harvested vegetables. 2,386,308; Oct. 9.
 Grant, Harry C., Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Control head. 2,386,210; Oct. 9.
 Grant, Harry C., Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Electrically actuated cartridge. 2,386,211; Oct. 9.
 Gray, Agnes, administratrix: See—
 Gray, Edward.
 Gray, Edward, deceased, Detroit, by A. Gray, Grosse Pointe Park, Mich. Locomotive. 2,386,679; Oct. 9.
 Green, Thomas D., West Hartford, Conn. Liquid spray discharge apparatus for and method of cooling the interior of bottles and other hollow glass articles. 2,386,455; Oct. 9.
 Griener, John A., Yonkers, N. Y., assignor to Ordnance Instrument Corporation, Binoculars. 2,386,394; Oct. 9.
 Griffith, Thomas R., assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Composite article and bonding rubber to a corrodible material. 2,386,212; Oct. 9.
 Griffith, Thomas R., assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Adhesives and making same. 2,386,213; Oct. 9.
 Grotke, Charles, Bristol, Pa., assignor, by mesne assignments, to Reconstruction Finance Corporation. Displacing gear for bombs. 2,386,680; Oct. 9.
 Gulf Research & Development Company: See—
 Pigott, Reginald J. S., assignor.
 Gutzwiler, Ernst, Basel, assignor to Sandoz Ltd., Fribourg, Switzerland. Anthraquinone compounds and their manufacture. 2,386,309; Oct. 9.
 Haberstump, Alfred H., Detroit, M. K. Jessup, Grosse Pointe, and N. Wolofski, assignors to The Murray Corporation of America, Detroit, Mich. Spring construction. 2,386,456; Oct. 9.
 Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Butadiene production. 2,386,310; Oct. 9.
 Haddad, Jerrier: See—
 Leathers, W., and Haddad.
 Hadden, Stuart T., Woodbury, N. J., assignor to Socony Vacuum Oil Company, Incorporated. Method and apparatus for catalytic alkylation. 2,386,681; Oct. 9.
 Hammond Instrument Company: See—
 White, Robert J., assignor.
 Hanrahan, William I., Bronxville, N. Y., assignor, by mesne assignments, to United States Steel Products Company, Sharon, Pa. Making and attaching drum chimes and heads. 2,386,311; Oct. 9.
 Hanrahan, William I., Bronxville, N. Y., assignor to United States Steel Products Company, Sharon, Pa. Drum chime and head. 2,386,312; Oct. 9.
 Hanslick, Roy S., Wyndmoor, Pa., assignor to United States Rubber Company, New York, N. Y. Vulcanization accelerators. 2,386,457; Oct. 9.
 Hardy, William B.: See—
 Adams, F. H., Lecher, and Hardy.
 Lecher, H. Z., and Hardy.
 Harris, Milton H., Brooklyn, N. Y. Supplement book. 2,386,740; Oct. 9.
 Harris-Seybold Potter Company: See—
 Harrold, C. W., and Curtis, assignors.

Harrold, Charles W., University Heights, and E. W. Curtis, Maple Heights, assignors to Harris-Seybold Potter Company, Cleveland, Ohio. Plate clamp. 2,386,214; Oct. 9.
 Hart, Russell, Los Angeles, Calif. Shock absorber for parachutes. 2,386,395; Oct. 9.
 Hartford-Empire Company: See—
 Green, Thomas D., assignor.
 Hartford National Bank and Trust Company, trustee: See—
 Hesselman, Edward F., assignor.
 Harton, Erskine E., Jr., Evanston, and P. Lyon, assignors to The Pure Oil Company, Chicago, Ill. Treatment of oil wells. 2,386,605; Oct. 9.
 Harvell Corporation, The: See—
 Schaufelberger, William F., assignor.
 Harvey, Harold B., Pensacola, Fla. Boat. 2,386,215; Oct. 9.
 Hasche, Rudolph L.: See—
 Brant, J. H., and Hasche.
 Hasselstrom, Torsten, assignor to G and A Laboratories, Inc., Savannah, Ga. Treating complex compounds containing a side isopropyl group and products therefrom. 2,386,606; Oct. 9.
 Hatcher, Walter G.: See—
 Cone, Russell C., assignor.
 Haug, Eugene H., assignor to La Salle National Bank, Chicago, Ill., as trustee. Constant current regulator. 2,386,458; Oct. 9.
 Hatzenroeder, Richard W., Mansfield, Ohio. Speed change device. 2,386,459; Oct. 9.
 Hay, John J., assignor to Brooks Equipment and Mfg. Co., Knoxville, Tenn. Loading, hauling, and unloading equipment. 2,386,216; Oct. 9.
 Hayes, Floyd W., Mountainville, assignor to National Casket Company, Incorporated, Long Island City, N. Y. Inner seal for caskets. 2,386,549; Oct. 9.
 Hayes Industries, Inc.: See—
 Hollerith, Charles, assignor.
 Helm, Rudolph F., St. Joseph, Mo. Fruit jar holder and lid tightener. 2,386,460; Oct. 9.
 Heineman, Frances, assignor to Herman Plant Company, New York, N. Y. Headwear. 2,386,682; Oct. 9.
 Heintz, Ralph M., assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio. Internal combustion engine. 2,386,607; Oct. 9.
 Heinzen, Harry R.: See—
 Fike, C. H., and Heinzen.
 Hellman, Paul, assignor to Globe Products Manufacturing Company, Los Angeles, Calif. Milling attachment for lathes. 2,386,461; Oct. 9.
 Hemphill, Lawrence F., Fort Wayne, Ind., assignor to General Electric Company. Control system. 2,386,683; Oct. 9.
 Hercules Powder Company: See—
 Ely, A. R., and Smith, assignors.
 Herman Plant Company: See—
 Heineman, Frances, assignor.
 Hermanson, William A., Brookline, Mass. Filter. 2,386,684; Oct. 9.
 Hess, Frederic O., Germantown, Pa., assignor to Selas Corporation of America. Heater. 2,386,462; Oct. 9.
 Hess, Frederic O., Germantown, Pa., assignor to Selas Corporation of America. Heater. 2,386,746; Oct. 9.
 Hesselman, Edward F., Wahroonga, near Sydney, New South Wales, Australia, assignor to Hartford National Bank and Trust Company, as trustee. Mechanism for forming tubular rivets. 2,386,550; Oct. 9.
 Hilborn, Edwin H.: See—
 Nadeau, G. F., Hilborn, and Hunter.
 Hile, Heston H., Riverside, Conn., assignor to United States Rubber Company, New York, N. Y. Resilient mounting. 2,386,463; Oct. 9.
 Hill, Frederick W., Rutherford, N. J., assignor to General Printing Ink Corporation, New York, N. Y. Synchronized conveyor mechanism and printing press. 2,386,551; Oct. 9.
 Hill, John W., Cromwell, Minn. Vari-position golf club. 2,386,552; Oct. 9.
 Hilliker, William P., Chesterton, Ind., assignor to Standard Oil Company, Chicago, Ill. Lubricants. 2,386,553; Oct. 9.
 Hillyer, John C.: See—
 Schulze, W. A., Hillyer, and Drennan.
 Hlavin, William S.: See—
 Sigmund, F. J., and Hlavin.
 Hoffman, Samuel K.: See—
 Lawler, J. A., and Hoffman.
 Hoffmann, Victor A., Harvey, Ill. Stack hung flush tank. 2,386,608; Oct. 9.
 Hogenmiller, Francis J., assignor to National Foam System, Inc., Philadelphia, Pa. Apparatus for producing fire extinguishing foam. 2,386,464; Oct. 9.
 Hokanson, Otto A., Snyder, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Multiple coin device. 2,386,741; Oct. 9.
 Holabird Furniture Company: See—
 Holabird, W. S., and Betterton, assignors.
 Holabird, William S., Hamilton, Ind., and T. B. Betterton, Chattanooga, Tenn., assignors to Holabird Furniture Company, Chicago, Ill. Rack. 2,386,396; Oct. 9.

Holler, John R., Shreveport, La. Method and apparatus for storing, atomizing, and generating liquefied petroleum gases. 2,386,554; Oct. 9.
 Hollerith, Charles, assignor to Hayes Industries, Inc., Jackson, Mich. Spacer. 2,386,313; Oct. 9.
 Holley, Earl, et al.: See—
 Olson, Elmer, assignor.
 Holley, George M., et al.: See—
 Olson, Elmer, assignor.
 Holmes, Henry H., and J. C. H. Hurd, Leicester, England, assignor to Wildt and Company Limited. Circular knitting machine. 2,386,314; Oct. 9.
 Holmgren, Eric A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Work support. 2,386,397; Oct. 9.
 Holstein, Frederick W., Westfield, N. J., assignor to The Rails Company, New Haven, Conn. Adjustable resilient rail fastening. 2,386,315; Oct. 9.
 Honorary Advisory Council for Scientific and Industrial Research, The: See—
 Griffith, Thomas R., assignor.
 Hood, Harrison P., assignor to Corning Glass Works, Corning, N. Y. Making glass. 2,386,685; Oct. 9.
 Hoover Company, The: See—
 Coons, Curtis C., assignor.
 Fuchs, Clarence G., assignor.
 Hopper, James B., Lodi, Calif. Injector. 2,386,465; Oct. 9.
 Houdaille-Hershey Corporation: See—
 Johnson, Bernard C., assignor.
 Hout, Alfred G.: See—
 Christmann, L. J., and Hout.
 Hubbard, Francis A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,386,609; Oct. 9.
 Hughes, Howard R., Houston, Tex., and S. A. Bell, Glendale, Calif., assignors to Hughes Tool Company, Houston, Tex. Dead reckoning navigation device for aircraft. 2,386,555; Oct. 9.
 Hughes Tool Company: See—
 Hughes, H. R., and Bell, assignors.
 Humes, William B.: See—
 Downing, J. R. O., and Humes.
 Hunsdorf, William P., assignor of one-third to J. L. Melke, and one-third to W. J. Wesseler, Cleveland, Ohio. Long range gun and projectile therefor. 2,386,466; Oct. 9.
 Hunter, Clarence S.: See—
 Nadeau, G. F., Hilborn, and Hunter.
 Nadeau, G. F., and Hunter.
 Hunter, Willson H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Frictional mechanism. 2,386,610; Oct. 9.
 Hurd, John C. H.: See—
 Holmes, H. H., and Hurd.
 Huston, Milton D., Chicago, Ill., assignor to Oil Devices, Santa Fe, N. Mex. Horizontal pot type burner. 2,386,556; Oct. 9.
 Huyck, Ralph S.: See—
 Douglas, R. M., and Huyck.
 Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Insulated conductor and insulation therefor. 2,386,466; Oct. 9.
 Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Organo-silicon polymers and making them. 2,386,467; Oct. 9.
 Hydro-Blast Corporation, The: See—
 Webster, R. S., and Will, assignors.
 Ilemann, Emil A., Bethlehem, Pa., assignor, by mesne assignments, to Realty and Industrial Corporation, Convent, N. J. Circuit breaker. 2,386,611; Oct. 9.
 Imperial Chemical Industries Limited: See—
 Flint, C. F., and Clarke, assignors.
 Imperial Industries Limited: See—
 Caldwell, Walter A., assignor.
 Imperial Typewriter Company, Limited, The: See—
 Brumhill, Claude W., assignor.
 Industrial Rayon Corporation: See—
 Browne, Francis C., assignor.
 McLellan, Kenneth M., assignor.
 International Business Machines Corporation: See—
 Bailey, W. J. A., and Whiteman, assignors.
 Beattie, Horace S., assignor.
 Blakely, Robert T., assignor.
 Brand, Samuel, assignor.
 Lang, William, assignor.
 Leathers, W., and Haddad, assignors.
 Watson, T. J., and Phillips, assignors.
 Ipatieff, Vladimir N., and R. E. Schaad, assignors to Universal Oil Products Company, Chicago, Ill. Isomerizing normal butenes to isobutene. 2,386,468; Oct. 9.
 Iversen, Norman H., Birmingham, assignor, by mesne assignments, to Shatterproof Glass Corporation, Detroit, Mich. Chuck. 2,386,469; Oct. 9.
 Jack & Heintz, Inc.: See—
 Heintz, R. M., assignor.
 Jackson, Honel A., Detroit, Mich. Electrode holder. 2,386,398; Oct. 9.
 Jackson, Honel A., Detroit, Mich. Welding electrode holder. 2,386,399; Oct. 9.
 Jaynes, Armon, and T. W. Bragg, Gainesville, Tex. Hydraulic pump jack. 2,386,316; Oct. 9.

Jearum, Frederick C., Sutton, England. Grinding machine. 2,386,687; Oct. 9.
 Jeffries, Samuel B.: See—
 Bludworth, J. B., and Jeffries.
 Jenkins, Robert B., Gastonia, N. C. Dynamically balancing cylinders. 2,386,470; Oct. 9.
 Jenny, Robert W., and H. E. Gille, Jersey City, N. J., assignors to Wright Aeronautical Corporation. Hydraulic tappet. 2,386,317; Oct. 9.
 Jensen, Oluf F., Council Bluffs, Iowa. Rotary steam engine. 2,386,318; Oct. 9.
 Jessup, Morris K.: See—
 Haberstump, A. H., Jessup, and Wolofski.
 Johanson, Edla, White Plains, N. Y. Shoulder support for brassieres. 2,386,557; Oct. 9.
 Johns-Manville Corporation: See—
 Coss, H. T., Pearce, and Downsborough, assignors.
 Johnson, Bernard C., Mundelein, Ill., assignors to Houdaille-Hershey Corporation, Detroit, Mich. Evaporator unit. 2,386,613; Oct. 9.
 Johnson, Bertha, Nashville, Tenn. Fastener for cold wave rollers. 2,386,612; Oct. 9.
 Johnson, Halax, Massapequa, assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Apparatus for testing bonds in laminated metallic articles. 2,386,319; Oct. 9.
 Johnson & Johnson: See—
 Wenzelberger, Elwood P., assignor.
 Johnson's Company: See—
 Pharo, Lee C., assignor.
 Jonas, Julius, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Electron discharge device. 2,386,400; Oct. 9.
 Jones, Grinnell, and W. Juda, Cambridge, Mass., assignors to Albi Chemical Corporation, New York, N. Y. Fire retarding impregnating composition for wood. 2,386,471; Oct. 9.
 Jones, Lewis W.: See—
 Connell, L. E., and Jones.
 Joyce, William J., Jr., Manheim, Pa., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Fiberizing asbestos. 2,386,401; Oct. 9.
 Juda, Walter: See—
 Jones, G., and Juda, assignors.
 Julianelli, Charles A.: See—
 Julianelli, Mabel and C. A.
 Julianelli, Mabel and C. A., New York, N. Y. Glove construction. 2,386,688; Oct. 9.
 Kaemmerling, Gustav H., assignor to Lord Manufacturing Company, Erie, Pa. Deflection measuring instrument. 2,386,472; Oct. 9.
 Kanary, Mark H., Los Angeles, Calif. Recouping buckle. 2,386,473; Oct. 9.
 Kaprelian, Edward K., Alexandria, Va. Range finder. 2,386,614; Oct. 9.
 Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 2,386,474; Oct. 9.
 Kaufmann, Frank H., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Reed for warping machines and the like. 2,386,689; Oct. 9.
 Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,386,690; Oct. 9.
 Kay, Ignatius, assignor to The Wellman Smith Owen Engineering Corporation Limited, London, England. Level luffing jib crane. 2,386,475; Oct. 9.
 Kayler, Frank H.: See—
 Kinne, E. P., and Kayler, assignors.
 Keahey, Frank S., assignor to Kirsch Company, Sturgis, Mich. Curtain or drape fixture. 2,386,691; Oct. 9.
 Kégresse, Adolphe, Paris, France; vested in the Allen Property Custodian. Automatic variable speed transmission. 2,386,217; Oct. 9.
 Keiser, Bernhard: See—
 De Groot, M., and Keiser.
 Kelly, William D.: See—
 Giles, Eugene M., assignor.
 Kelsey-Hayes Wheel Company: See—
 Ellis, Emmett S., assignor.
 Forbes, Joseph A., assignor.
 Kerotest Manufacturing Company: See—
 Lowther, John W., assignor.
 Kinne, Edmund P., and F. H. Kayler, Alliance, Ohio, assignors to American Steel Foundries, Chicago, Ill. Car coupler. 2,386,476; Oct. 9.
 Kirsch Company: See—
 Keahey, Frank S., assignor.
 Kleintop, Harold E., Parkersburg, assignor to Korb-Pettit Wire Fabrics & Iron Works, Inc., Philadelphia, Pa. Conveyor belt drive mechanism. 2,386,558; Oct. 9.
 Knapp, Kenneth C., Oxford, Kans. Pipe-line reclainer. 2,386,615; Oct. 9.
 Korb-Pettit Wire Fabrics & Iron Works, Inc.: See—
 Kleintop, Harold E., assignor.
 Kott, Hermann, West Orange, N. J., assignor to Alco-Gravure Division of Publication Corporation, New York, N. Y. Exposure meter. 2,386,320; Oct. 9.
 Kotterman, Chester A., Livingston, N. J., assignor to Federal Telephone & Radio Corporation. Rectifier electrode connection assembly. 2,386,218; Oct. 9.

Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Brake or clutch. 2,386,477; Oct. 9.

Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Torque transmitting connection. 2,386,478; Oct. 9.

Kramer, Andrew A.: See—

Clements, Ernest W., assignor.

Kroeger, John W., and H. F. O'Connor, Philadelphia, Pa., assignors to Fred'k H. Levey Co., Inc., New York, N. Y. Resinous products and making them. 2,386,321; Oct. 9.

Kuenstler, Walter E., Cliffside Park, N. J. Crystal. 2,386,692; Oct. 9.

Kuhn, Charles H., Indianapolis, Ind. Toy gun. 2,386,479; Oct. 9.

Kuoch, Robert: See—

Leviton, N. I., and Kuoch.

Kupper, William H., Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Type-writing machine. 2,386,480; Oct. 9.

Lakam, John P., Fowler, Calif. Plow. 2,386,559; Oct. 9.

Lamm, Uno, and J. P. Wren, Ludvika, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Operating vapor ionic valves for current conversion. 2,386,322; Oct. 9.

Landis Tool Company: See—

Balsiger, H. E., and Price, assignors.

Leber, Robert S., Jr., assignor.

Lane Company, Inc., The: See—

Crocker, Ernest C., assignor.

Lang, William, assignor to International Business Machines Corporation, New York, N. Y. Calculating machine for effecting division. 2,386,481; Oct. 9.

La Salle National Bank, trustee: See—

Haug, Eugene H., assignor.

Lauck, John A., South Euclid, assignor to Pesco Products Co., Cleveland, Ohio. Multiple unit compact gear divider assembly. 2,386,219; Oct. 9.

Lawler, John A., Los Angeles, Calif., and S. K. Hoffman, Williamsport, Pa., assignors to Aviation Corporation, New York, N. Y. Two-speed driving mechanism. 2,386,220; Oct. 9.

Leathers, Lou E., Dixon, Calif. Wrench. 2,386,616; Oct. 9.

Leathers, Ward, and J. Haddad, Brooklyn, assignors to International Business Machines Corporation, New York, N. Y. Data storing device and selecting means therefor. 2,386,482; Oct. 9.

Lecher, Hans Z.: See—

Adams, F. H., Lecher, and Hardy.

Lecher, Hans Z., Plainfield, and W. B. Hardy, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of the addition compound of trimethylamine and sulphur trioxide. 2,386,693; Oct. 9.

Lehman, Laurence N.: See—

Spurlino, P., Colley, Lehman, and Gantner.

Leslie Company: See—

Soderberg, Sten, assignor.

Le Tourneau, R. G., Inc.: See—

Le Tourneau, R. G., assignor.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Power steering mechanism. 2,386,483; Oct. 9.

Leupold & Stevens Instruments: See—

Clark, Charles A., assignor.

Levey, Fred'k H., Co., Inc.: See—

Kroeger, J. W., and O'Connor, assignors.

Leviton, Nathan I., Buffalo, and R. Kuoch, Tonawanda, assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Anhydrous hydrogen peroxide and making same. 2,386,484; Oct. 9.

Lewis, James H., Greenwood, S. C. Metal rake. 2,386,617; Oct. 9.

Lewis, William H., Los Angeles, Calif. Road edger for asphalt finishers and spreaders. 2,386,221; Oct. 9.

Lichty, Joy G., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Chemical compound. 2,386,694; Oct. 9.

Lilja, Edgar D., assignor to Barber-Colman Company, Rockford, Ill. Power actuator. 2,386,402; Oct. 9.

Lilly, Eli, and Company: See—

Shonle, H. A., and Rohrmann, assignors.

Lincoln, Bert H., Ponca City, Okla., and G. D. Byrkit, Niagara Falls, N. Y., assignors to Continental Oil Company, Ponca City, Okla. Lubricant. 2,386,222; Oct. 9.

Lineweaver, Hans, and R. M. McCready, Berkeley, Calif., assignors to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors. Accelerating the alkaline de-esterification of pectin. 2,386,323; Oct. 9.

Lisle, Dallas V., Mount Lebanon, Pa. Display card. 2,386,618; Oct. 9.

Lister-Forsen, Axel, Brooklyn, N. Y. Window blind. 2,386,695; Oct. 9.

Lloyd, Joseph, Pendleton, Salford, 6, assignor to J. Mandelberg & Company Limited, Pendleton, England. Adhesive compositions. 2,386,696; Oct. 9.

Long, Armistead R., Fayetteville, W. Va., and J. B. Long, U. S. Navy, Fort Schuyler, N. Y., assignors to Long Super Mine Car Company, Fayetteville, W. Va. Tail section for chain conveyors. 2,386,619; Oct. 9.

Long, John B.: See—

Long, A. R. and J. B.

Long Super Mine Car Company: See—

Long, A. R. and J. B., assignors.

Longenecker, Charles I., Watwatosa, assignor to Chain Belt Company, Milwaukee, Wis., Self-priming centrifugal pump. 2,386,485; Oct. 9.

Lorch, Arthur E., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Production of butadiene. 2,386,324; Oct. 9.

Lorch, Arthur E., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Production of butadiene. 2,386,325; Oct. 9.

Lord Manufacturing Company: See—

Kaemmerling, Gustav H., assignor.

Lovell Manufacturing Company: See—

Kauffman, W. L., II, assignor.

Lowther, John W., assignor to Kerotest Manufacturing Company, Pittsburgh, Pa. Core box. 2,386,326; Oct. 9.

Loyd, Vivian G., Cumberley, England. Articulated bogie for track laying or other vehicles. 2,386,620; Oct. 9.

Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Artificial horizon for sextants. 2,386,621; Oct. 9.

Lunt, William R. F., Durban, Natal, Union of South Africa. Cooling the air in underground mine workings and like places. 2,386,560; Oct. 9.

Lynch, Harold J., Cornwall-on-Hudson, N. Y. Injection molding of plastic materials. 2,386,697; Oct. 9.

Lyon, George A., Allenhurst, N. J. Making wheel covers. 2,386,223; Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,386,224; Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel construction. 2,386,225; Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel construction. 2,386,226; Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel construction. 2,386,227; Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,386,228; Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,386,229; Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,386,230; Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,386,231; Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,386,232; Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,386,233; Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,386,234; Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,386,235; Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,386,236; Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,386,237; Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,386,238; Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,386,239; Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,386,240; Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,386,241; Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,386,242; Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,386,243; Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,386,244; Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,386,245; Oct. 9.

Lyon, Priscilla: See—

Horton, E. B., Jr., and Lyon.

Macdonald, Alexander D., Malden, and J. H. Rishton, Wakefield, assignors to B. B. Chemical Co., Boston, Mass. Polymerized chloroprene compositions. 2,386,403; Oct. 9.

MacLean-Fogg Lock Nut Company: See—

Doke, Ernest G., assignor.

MacNeill, Arden B., Waltham, Mass. Grinding machine. 2,386,742; Oct. 9.

Madland, Thorvald, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Door lifting mechanism. 2,386,404; Oct. 9.

Madland, Thorvald, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Door lift mechanism. 2,386,698; Oct. 9.

Magnuson, Oscar E., Davenport, Iowa. Rattle. 2,386,561; Oct. 9.

Mahoney, Frank D., San Francisco, Calif. Hose coupling. 2,386,562; Oct. 9.

Majestic Manufacturing Company: See—

Gardiner, Robert E., assignor.

Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call transmitter. 2,386,486; Oct. 9.

Mallory, Marlon, Detroit, Mich. Governor for internal combustion engines. 2,386,699; Oct. 9.

Mallory, P. R., & Co., Inc.: See—

Whitwell, R. O., and Freeman, assignors.

Manchester, Frank H., assignor to Wingfoot Corporation, Akron, Ohio. Coated paper. 2,386,700; Oct. 9.

Mandenberg, J., & Company Limited: See—

Lloyd, Joseph, assignor.

Manney, Charles J., Kenmore, and H. D. Moore, Buffalo, assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Motor control for electric hoists. 2,386,487; Oct. 9.

Mapes, Daniel, West Caldwell, assignor to Specialties Development Corporation, Bloomfield, N. J. Making containers. 2,386,246; Oct. 9.

Marshall, Joseph C.: See—

May, H. F., and Marshall.

Marshall, Morris D., Arlington, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of soda. 2,386,247; Oct. 9.

Marshall, Roscoe W., Brunswick, Ga. Suspended building construction. 2,386,622; Oct. 9.

Martin, Harold M., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,386,701; Oct. 9.

Martin, Russell: See—

Coleman, W. C., and Martin.

Martin, Samuel M., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Insulation stripping pliers. 2,386,327; Oct. 9.

Marzetti, Manlio, Milan, Italy; vested in the Allen Property Custodian. Resilient mounting of units. 2,386,248; Oct. 9.

Mason, Arthur C., Paterson, N. J. Machine for forming separated bodies. 2,386,623; Oct. 9.

May, Harold E., Valley Stream, and J. C. Marshall, Baldwin, assignors to Teleregister Corporation, New York, N. Y. Communication and posting system. 2,386,743; Oct. 9.

McBride, Charles B.: See—

Watson, J. E., and McBride.

McBride, John J., Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Hopper discharge. 2,386,702; Oct. 9.

McClellan, Everett D.: See—

Trockle, F. E., McClellan, and Simpson.

McCready, Roland M.: See—

Lineweaver, H., and McCready.

McDaniel, Harry L., Mosquero, N. Mex. Envelope opener, paper cutter, and punch. 2,386,329; Oct. 9.

McDermott, Henry J., Prospect Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Thread-advancing reel. 2,386,249; Oct. 9.

McElmurray, William R., Frankfort, Ky. Starting device for outboard motors. 2,386,703; Oct. 9.

McGarvey, Patrick J., Floral Park, N. Y. Angle gauge and cutting tool. 2,386,330; Oct. 9.

McGowan, Mary Gertrude, Fall River, Mass. Teaching device. 2,386,624; Oct. 9.

McGregor, Rob R., Verona, and E. L. Warrick, Pittsburgh, Pa., assignors to Corning Glass Works, Corning, N. Y. Preparation of trimethylsilicon chloride. 2,386,488; Oct. 9.

McKellar, Archibald D., Park Ridge, Ill. Carrier. 2,386,489; Oct. 9.

McLean, Robert E., Fort Benning, Ga. Rotary type can opener. 2,386,490; Oct. 9.

McLellan, Kenneth M., Lakewood, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Balloon girdle. 2,386,704; Oct. 9.

McNally, James G.: See—

Dickey, J. B., and McNally.

McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Phosphated blown pills. 2,386,250; Oct. 9.

McOmie, Rulon W., Wilmington, assignor to Shell Development Company, San Francisco, Calif. Regeneration of contact materials. 2,386,491; Oct. 9.

McReynolds, James P.: See—

Fernellus, W. C., and McReynolds.

Mears Radio Hearing Device Corp.: See—

Merrill, Lawrence V., assignor.

Mefford, Fred E., Colorado Springs, Colo. Buckle. 2,386,251; Oct. 9.

Meikle, James L., et al.: See—

Hunsdorf, William P., assignor.

Melnicke, Edmund R., Akron, Ohio, assignor to American Cyanamid Company, New York, N. Y. Plasticizing polyvinyl chloride. 2,386,405; Oct. 9.

Mendelsohn, Majer, New York, N. Y. Antiseptic composition. 2,386,252; Oct. 9.

Merlhub-Sobel, Menahem, Rahway, N. J., assignor to Virginia-Carolina Chemical Corporation, Richmond, Va. Insecticide. 2,386,492; Oct. 9.

Merrill, Lawrence V., Brooklyn, assignor to Mears Radio Hearing Device Corp., New York, N. Y. Transmitter. 2,386,705; Oct. 9.

Metzger, Joseph L., Louisville, Ohio. Combination storm window. 2,386,625; Oct. 9.

Meyer, Clarence L., Dayton, Ohio. Bearing and retainer puller. 2,386,253; Oct. 9.

Meyer, Clarence L., Dayton, Ohio. Adjustable spanner wrench. 2,386,254; Oct. 9.

Miescher, Karl, Riehen, Switzerland, assignor to Ciba Pharmaceutical Products Incorporated, Summit, N. J. 3-derivatives of the saturated and unsaturated androstane-3-one-17-ols substituted in 17-position and making same as well as the corresponding free ketones. 2,386,331; Oct. 9.

Miller, Louis G.: See—

Statler, W. H., and Miller.

Miller, Raymond J., assignor to Bendix Aviation Corporation, Detroit, Mich. Electrical connection. 2,386,332; Oct. 9.

Miner, W. H., Inc.: See—

Dath, George E., assignor.

Moessinger, Albert, assignor to Sulzer Frères, Societe Anonyme, Winterthur, Switzerland. Central safety device. 2,386,706; Oct. 9.

Monsanto Chemical Company: See—

Marshall, Morris D., assignor.

Moore, Derwin V., and H. H. Thompson, assignors to Wingfoot Corporation, Akron, Ohio. Reclaiming method. 2,386,707; Oct. 9.

Moore Dry Kiln Company of Oregon, The: See—

Beckley, Arthur H., Jr., assignor.

Moore, Harry D.: See—

Manney, C. J., and Moore.

Moore, Hubert A., Dallas, Tex. Plow disk grinder. 2,386,563; Oct. 9.

Moresco, Enrique, Buenos Aires, Argentina. Decorticating apparatus for grain. 2,386,493; Oct. 9.

Morey, Willis R., Arlington, Va. Flashlight. 2,386,255; Oct. 9.

Morgan Construction Company: See—

O'Malley, Joseph M., assignor.

Morris, Lloyd C.: See—

Schulze, W. A., and Morris.

Short, G. H., and Morris.

Morris, Lloyd C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Monocyclic mono-olefine cuprous halide and making it. 2,386,256; Oct. 9.

Morris, Lloyd C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovery of hydrocarbons. 2,386,333; Oct. 9.

Morris, Lloyd C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separation of hydrocarbons. 2,386,334; Oct. 9.

Morris, Lloyd C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separation of hydrocarbons. 2,386,335; Oct. 9.

Morrison, Harry, Pittsburgh, Pa. Belt. 2,386,708; Oct. 9.

Mosshart, Donald J., Ardmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combustion apparatus. 2,386,336; Oct. 9.

Moyer, Elizabeth F., administratrix: See—

Moyer, Paul S.

Moyer, Paul S., deceased, by E. F. Moyer, Lake Forest, Ill., administratrix. Making finely divided silica. 2,386,337; Oct. 9.

Müller, Géza W., Bron, France; vested in the Allen Property Custodian. Gear pump. 2,386,257; Oct. 9.

Munk, William P., San Francisco, Calif. Oil and gas separator. 2,386,564; Oct. 9.

Murray Corporation of America, The: See—

Haberstump, A. H., Jessup, and Wolofski, assignors.

Murray, Howard J., New York, N. Y. Fluid drive mechanism. 2,386,258; Oct. 9.

Mutual Life Insurance Company, The: See—

Williams, Ben H., assignor.

Myers, Frederick J., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Plastic masses. 2,386,744; Oct. 9.

Nadeau, Gale F., E. H. Hilborn, and C. S. Hunter, assignors to Eastman Kodak Company, Rochester, N. Y. Drawing surface. 2,386,626; Oct. 9.

Nadeau, Gale F., and C. S. Hunter, assignors to Eastman Kodak Company, Rochester, N. Y. Antistatic film. 2,386,627; Oct. 9.

Nagle, Paul R., Oklahoma City, Okla. Derrick structure. 2,386,494; Oct. 9.

Nash-Kelvinator Corporation: See—

Drake, Earl D., assignor.

National Cash Register Company, The: See—

Spurlino, P., Colley, Lehman, and Gantner, assignors.

Whitmore, Robert M., assignor.

National Casket Company, Incorporated: See—

Hayes, Floyd W., assignor.

National Foam System, Inc.: See—

Hogenmiller, Francis J., assignor.

National Lock Co.: See—

North, E. W., and Burke, assignors.

National Research Corporation: See—

Downing, J. R. O., and Humes, assignors.

Nazzewski, Mathew, Adams, assignor to Sprague Electric Company, North Adams, Mass. Glass-to-metal seal. 2,386,628; Oct. 9.

Neale, Albert E. T.: See—

Blanco, J. R., Neale, and Twiss.

Newport Industries, Inc.: See—

Bibb, Carlisle H., assignor.

Nieter, Temple, Racine, Wis. Refrigerator door structure and latching mechanism. 2,386,495; Oct. 9.

Nissim, Raoul, London, England. Open hearth furnace. 2,386,565; Oct. 9.

Noned Corporation et al.: See—
Strain, W. H., Plati, and Warren, assignors.
Norrid, James H., Detroit, Mich. Corner unit. 2,386,338; Oct. 9.
North, Edwin W., and W. O. Burke, assignors to National Lock Co., Rockford, Ill. Hose clamp. 2,386,629; Oct. 9.
Northrup, Harry L., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Seal. 2,386,496; Oct. 9.
Norton, Francis J., Schenectady, N. Y., assignor to General Electric Company. Waterproofing treatment of materials. 2,386,259; Oct. 9.
NuTone, Incorporated: See—
Corbett, Joseph R., assignor.
Nyquist, Harry, Milburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph signaling system. 2,386,566; Oct. 9.
O'Connor, Harry F.: See—
Kroeger, J. W., and O'Connor.
O'Connor, Walter J., Pittsburgh, Pa. Iceproof windaheld. 2,386,339; Oct. 9.
Oil Devices: See—
Huston, Milton D., assignor.
Olin Industries, Inc.: See—
Sefried, Harry H., II, assignor.
Olson, Elmer, Ferndale, Mich., assignor to G. M. and E. Holley. Decelerator. 2,386,340; Oct. 9.
Olson, John, Detroit, Mich. Toggled clamping device. 2,386,567; Oct. 9.
O'Malley, Joseph M., assignor to Morgan Construction Company, Worcester, Mass. Universal coupling. 2,386,630; Oct. 9.
Ordnance Instrument Corporation: See—
Grier, John A., assignor.
Orloff, Angel, Chicago, Ill. Gasoline turbine. 2,386,497; Oct. 9.
Osborn, Aiden E., Mount Vernon, N. Y. Airplane control mechanism. 2,386,709; Oct. 9.
Osterhof, Harold J.: See—
Borders, A. M., Wolfe, Osterhof, and Walton.
Ostrander, Robert K., South Orange, N. J. Collapsible tube. 2,386,498; Oct. 9.
Owen, James R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Supported catalysts and preparing same. 2,386,499; Oct. 9.
Owens-Corning Fiberglass Corporation: See—
Slayter, G., and Snow, assignors.
Pacific Clay Products: See—
Pearne, F. Y., and Rossier, assignors.
Page, Herbert E., Pasadena, Calif. Hydraulic pressure-applying device. 2,386,568; Oct. 9.
Palnut Company, The: See—
Wohlhieter, Joseph W., assignor.
Pancoff, George W., Philadelphia, and A. G. Dean, Narberth, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Structural unit and assembly. 2,386,710; Oct. 9.
Parker, Cecil C., Hyde Park, N. Y. Danger call alarm. 2,386,711; Oct. 9.
Parker, Kenneth, assignor to The Parker Pen Company, Janesville, Wis. Magnetic desk set. 2,386,500; Oct. 9.
Parker Pen Company, The: See—
Parker, Kenneth, assignor.
Parsons, Robert J., Schenectady, assignor to Consolidated Car Heater Company, Inc., Albany, N. Y. Air conditioning. 2,386,589; Oct. 9.
Patent Protection Corporation: See—
Pearson, John H., assignor.
Patterson, Albert M., Hutchinson, Kans. Course plotting apparatus. 2,386,712; Oct. 9.
Payne, Samuel T.: See—
Rowe, D. C., and Payne.
Payne, William H., La Grange, Ill. Mounting for electric arc furnace electrodes. 2,386,260; Oct. 9.
Pearce, Gale T.: See—
Coss, H. T., Pearce, and Downsborough.
Pearne, Frank Y., Alhambra, and J. D. Rossier, Downey, assignors to Pacific Clay Products, Los Angeles, Calif. Machine for cutting objects. 2,386,341; Oct. 9.
Pearson, John H., assignor to Patent Protection Corporation, Lowell, Mass. Heating device for canteens. 2,386,501; Oct. 9.
Pelk, Paul G., assignor to The General Tire & Rubber Company, Akron, Ohio. Sound deadener. 2,386,502; Oct. 9.
Pesco Products Co.: See—
Lauck, John A., assignor.
Petrie, Samuel I., Mount Sidney, Va. Clamp applying tool. 2,386,570; Oct. 9.
Petrolite Corporation, Ltd.: See—
De Groot, M., and Keiser, assignors.
Pettit, James W., Portland, Oreg. Cantilever spring. 2,386,571; Oct. 9.
Pharo, Lee C., Theftford Mines, Quebec, assignor to Johnson's Company, Theftford Mines, West, Quebec, Canada. Asbestos treatment. 2,386,713; Oct. 9.
Pharo, Lee C., Theftford Mines, Quebec, assignor to Johnson's Company, Theftford Mines, West, Quebec, Canada. Asbestos separating. 2,386,714; Oct. 9.
Pharo, Lee C., Theftford Mines, Quebec, assignor to Johnson's Company, Theftford Mines, West, Quebec, Canada. Asbestos processing. 2,386,715; Oct. 9.

Phillips, Burdette H.: See—
Watson, T. J., and Phillips.
Phillips Petroleum Company: See—
Drennan, Harry E., assignor.
Drennan, H. E., and Schulze, assignors.
Hachmuth, Karl H., assignor.
Morris, Lloyd C., assignor.
Owen, James R., assignor.
Schulze, Walter A., assignor.
Short, Graham H., assignor.
Short, G. H., and Morris, assignors.
Stormont, Joseph E., assignor.
Upham, John D., assignor.
Wagner, Cary R., assignor.
Welling, Charles E., assignor.
Whaley, Thomas H., Jr., assignor.
Wolk, I. Louis, assignor.
Pigott, Reginald J. S., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Metalworking machine. 2,386,572; Oct. 9.
Pingree, Raymond A., Cranston, assignor to Warwick Chemical Company, Warwick, R. I. Permanent waterproofing product and making it. 2,386,631; Oct. 9.
Pirie, John H.: See—
Beaver, C. J., Davey, and Pirie.
Plati, John T.: See—
Strain, W. H., Plati, and Warren.
Plöen, Jan: See—
Lamm, U., and Plöen.
Poirier, Ernest A., Waterville, Maine. Stock selecting apparatus for use with paper machines. 2,386,632; Oct. 9.
Pollock, Martin S., East Chester, N. Y. Inkstand. 2,386,406; Oct. 9.
Porsche, Jules D., and Fred J. Solms, assignors to Armour and Company, Chicago, Ill. Recovering bile pigments. 2,386,716; Oct. 9.
Prat-Daniel Corporation: See—
Watson, J. E., and McBride, assignors.
Pressley, Jackson H., Marion, Ind., assignor to Farnsworth Television and Radio Corporation. Driving mechanism for phonograph turntables. 2,386,503; Oct. 9.
Price, Ralph E.: See—
Balsiger, H. E., and Price.
Price, Victor, Akron, Ohio. Turnbuckle wrench. 2,386,342; Oct. 9.
Proaps, Irwin F., Wichita, Kans. Self-centering curing bag for tire section molds. 2,386,504; Oct. 9.
Puchy, Clarence G., Cleveland, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,386,505; Oct. 9.
Pumphrey, William B., Oakland, Calif. Filter. 2,386,506; Oct. 9.
Pure Oil Company, The: See—
Horton, E. E., Jr., and Lyon, assignors.
Quin, Denis C., London, England. Manufacture and use of hydrocarbons derived from styrene and its homologues. 2,386,507; Oct. 9.
Radio Corporation of America: See—
Wolf, Lester J., assignor.
Railroad Accessories Corporation: See—
Schlesinger, Benjamin, assignor.
Ralls Company, The: See—
Holstein, Frederick W., assignor.
Randall, Albert T., Seattle, Wash. Toolbox. 2,386,573; Oct. 9.
Raybestos-Manhattan, Inc.: See—
Joyce, William J., Jr., assignor.
Raytheon Manufacturing Company: See—
Smith, Charles G., assignor.
Realty and Industrial Corporation: See—
Hleman, Emil A., assignor.
Reconstruction Finance Corporation: See—
Grotke, Charles, assignor.
Redmond, James H., Schenectady, N. Y., assignor to General Electric Company. Resistance welding apparatus. 2,386,261; Oct. 9.
Reed Roller Bit Company: See—
Stokes, John C., assignor.
Regenhardt, Walter F., Wooster, Ohio. Interlock. 2,386,343; Oct. 9.
Reibig, Eric A.: See—
Wiken, C. A., and Reibig.
Relerson, John E., U. S. Army. Lead compensated sight. 2,386,262; Oct. 9.
Reiff, Orland M.: See—
Giammaria, J. J., and Reiff, assignors.
Reiff, Orland M., and H. J. Andress, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Making a dithiophosphoric acid of an alkyl-substituted phenol and a mineral oil containing this compound. 2,386,207; Oct. 9.
Resinous Products & Chemical Company, The: See—
Benson, Herman A., assignor.
Myers, Frederick J., assignor.
Richards, Joseph: See—
Robertson, T. C., Conard, and Richards.
Ridings, Garvice H., Summit, and R. J. Wise, Dunellen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Facsimile telegraph system and apparatus. 2,386,263; Oct. 9.
Rigterink, Merle D., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ceramic material. 2,386,633; Oct. 9.

Ripley, Louis R., Litchfield, Conn. Blower housing and assembly. 2,386,508; Oct. 9.
Rishton, James H.: See—
Macdonald, A. D., and Rishton.
Roberts, Pearl E., assignor of thirty-six per cent to himself; fifteen per cent to himself as trustee; thirty-four per cent to A. Squyres, Tyler, Tex., and fifteen per cent to said Squyres as trustee. Resilient plastic material and making it. 2,386,264; Oct. 9.
Robertson, Julia C., administratrix: See—
Robertson, T. C., Conard, and Richards.
Robertson, Robert E., Chicago, Ill. Expansion joint. 2,386,245; Oct. 9.
Robertson, Thomas C., deceased; by J. C. Robertson, National Park, N. J., administratrix and H. N. Conard and J. Richards, Philadelphia, Pa. Overhead tool support. 2,386,266; Oct. 9.
Robinson, Chester H.: See—
Taylor, H. F., and Robinson.
Robinson, Jonas, Clarke, Summit, Pa. Jacquard compensating means. 2,386,574; Oct. 9.
Robinson, Preston, Williamstown, assignor to Sprague Electric Company, North Adams, Mass. Flexible electrical insulating layer. 2,386,634; Oct. 9.
Roesen, Oscar C., Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Web splicing. 2,386,344; Oct. 9.
Roesen, Oscar C., Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Device for splicing webs. 2,386,345; Oct. 9.
Roesen, Oscar C., Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Web splicing. 2,386,346; Oct. 9.
Rohrmann, Ewald: See—
Shonle, H. A., and Rohrmann.
Roland, John R., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Interpolymers of ethylene with vinyl esters and products therefrom. 2,386,347; Oct. 9.
Rollison, George B., assignor of one-half to D. Cohn, Indianapolis, Ind. Waste reclamation. 2,386,267; Oct. 9.
Rollings, James N., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Insulation cutting tool. 2,386,328; Oct. 9.
Roper, John M., Washington, D. C. Approach light. 2,386,268; Oct. 9.
Rosenberg, Hans R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical processes. 2,386,635; Oct. 9.
Rosenberg, Hans R., and S. G. Turnbull, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. New steril derivatives. 2,386,636; Oct. 9.
Rossier, John D.: See—
Pearne, F. Y., and Rossier.
Rothman, George, Brooklyn, N. Y. Carton. 2,386,407; Oct. 9.
Rowe, Donald C., Snyder, and S. T. Payne, Kenmore, N. Y., assignors to Curtis-Wright Corporation. Bomb installation. 2,386,348; Oct. 9.
Royal Typewriter Company, Inc.: See—
Kupper, William H., assignor.
Ryan, John E. L., Danbury, Conn. Composition sole and making same. 2,386,269; Oct. 9.
Saffady, Thomas F., Detroit, Mich. Electrically heated knife. 2,386,409; Oct. 9.
Samirah, David, Osborn, Ohio. Apparatus for making fluid pressure connections to the instruments on an instrument panel. 2,386,270; Oct. 9.
Sample, Alfred J., Randolph, N. Y. Vibrating conveyor gate. 2,386,717; Oct. 9.
Sandoz, Ltd.: See—
Gutzwiller, Ernst, assignor.
Sauer, George, assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,386,349; Oct. 9.
Schaad, Raymond E.: See—
Ipatieff, V. N., and Schaad.
Schaub, André H., Norrköping, Sweden, assignor to Aktiebolaget Kardeslag. Card mounting machine. 2,386,718; Oct. 9.
Schaufelberger, William F., Irvington, N. J., assignor, by mesne assignments, to The Harvel Corporation. Treating phenol ethers and products produced thereby. 2,386,719; Oct. 9.
Schiff, Karl L., Philadelphia, Pa. Dispensing device and arrangement thereof. 2,386,408; Oct. 9.
Schlesinger, Benjamin, Brooklyn, assignor to Railroad Accessories Corporation, New York, N. Y. Lightning arrester. 2,386,720; Oct. 9.
Schoch, Thomas J., La Grange, Ill., assignor to Corn Products Refining Company, New York, N. Y. Modification of starch. 2,386,509; Oct. 9.
Schreiber, Fredrick D., Dartmouth, Pa. Gas purification. 2,386,350; Oct. 9.
Schuchardt, John R., Bayside, N. Y. Pressure casting machine. 2,386,271; Oct. 9.
Schulze, Walter A.: See—
Drennan, H. E., and Schulze.
Schulze, Walter A., Bartlesville, Okla. Stabilization of unsaturated hydrocarbons. 2,386,272; Oct. 9.
Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,386,350; Oct. 9.

Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,386,351; Oct. 9.
Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,386,352; Oct. 9.
Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Purification of unsaturated hydrocarbons. 2,386,353; Oct. 9.
Schulze, Walter A., J. C. Hillyer, and H. E. Drennan, Bartlesville, Okla., assignors to Phillips Petroleum Company. Production of diolefins. 2,386,354; Oct. 9.
Schulze, Walter A., and L. C. Morris, Bartlesville, Okla., assignors to Phillips Petroleum Company. Production of diolefins. 2,386,355; Oct. 9.
Schulze, Walter A., and L. C. Morris, assignors to Phillips Petroleum Company. Process and reagent for treating hydrocarbons. 2,386,356; Oct. 9.
Schulze, Walter A., and L. C. Morris, Bartlesville, Okla., assignors to Phillips Petroleum Company. Treatment of hydrocarbons. 2,386,357; Oct. 9.
Schulze, Walter A., and L. C. Morris, Bartlesville, Okla., assignors to Phillips Petroleum Company. Reagent preparation and use in separation of unsaturated hydrocarbons. 2,386,358; Oct. 9.
Sears, Roebuck and Co.: See—
Ferguson, J. Allen, assignor.
Strother, Fred P., assignor.
Sedita, Michael, Newark, N. J. Combined baby's seat, table, and play yard. 2,386,721; Oct. 9.
Sefried, Harry H., II, New Haven, Conn., assignor to Olin Industries, Inc. Box magazine latch mechanisms for repeating firearms. 2,386,722; Oct. 9.
Selas Corporation of America: See—
Heas, Frederic O., assignor.
Wakefield, Richard E. B., assignor.
Sepin, L. T.: See—
Brown, Alfred G., assignor.
Shafer, Ira, San Diego, Calif. Sliding door supporting apparatus. 2,386,510; Oct. 9.
Shatterproof Glass Corporation: See—
Iversen, Norman H., assignor.
Shell Development Company: See—
McOmie, Rulon W., assignor.
Shipman, Raymond F., Kearny, N. J., assignor of one-half to F. A. Cummings, Maybrook, N. Y. Weighing scoop. 2,386,637; Oct. 9.
Shonle, Horace A., and E. Rohrmann, assignors to Eli Lilly and Company, Indianapolis, Ind. Carbonates of 1-R-1 aminoethanes. 2,386,273; Oct. 9.
Short, Graham H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovery of hydrocarbons. 2,386,360; Oct. 9.
Short, Graham H., and L. C. Morris, Bartlesville, Okla., assignors to Phillips Petroleum Company. Process and reagent for the separation of diolefins. 2,386,274; Oct. 9.
Sigmund Corporation: See—
Sigmund, F. J., and Hlavin, assignors.
Sigmund, Frank J., and W. S. Hlavin, Cleveland, Ohio, assignors, by mesne assignments, to Sigmund Corporation. Pumping arrangement. 2,386,275; Oct. 9.
Sillex Company, The: See—
Wolcott, Frank E., assignor.
Simjian, Luther G., Riverside, assignor to General Research, Inc., Stamford, Conn. Photographic apparatus. 2,386,276; Oct. 9.
Simmon, Alfred, Jackson Heights, and L. L. Weisglass, New York, N. Y.; said Weisglass assignor to said Simmon. Camera. 2,386,575; Oct. 9.
Simpson, William D.: See—
Trockle, F. E., McClellan, and Simpson.
Singer Manufacturing Company, The: See—
Clayton, Andrew B., assignor.
Slayter, Games, and H. Snow, Newark, assignors to Owens-Corning Fiberglass Corporation, Toledo, Ohio. Apparatus for making glass film. 2,386,511; Oct. 9.
Small, David S., Philadelphia, Pa. Radio tube tongs. 2,386,361; Oct. 9.
Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Fluorescent lamp. 2,386,277; Oct. 9.
Smith, Lawrence H., assignor to General American Aero-coach Company, Chicago, Ill. Clutch operating mechanism. 2,386,512; Oct. 9.
Smith, Roscoe B.: See—
Ely, A. R., and Smith.
Snow, Henry: See—
Slayter, G., and Snow.
Socony-Vacuum Oil Company, Incorporated: See—
Evans, Louis P., assignor.
Giammaria, J. J., and Reiff, assignors.
Hadden, Stuart T., assignor.
Reiff, O. M., and Andress, assignors.
Soderberg, Sten, Passaic, assignor to Leslie Company, Lyndhurst, N. J. Steam whistle. 2,386,513; Oct. 9.
Solberg, Nils, Duluth, Minn. Music holder for clarinet and band instruments. 2,386,576; Oct. 9.
Soldner, William E., Salina, Kans. Contraposed twin turreted boat and ship drive. 2,386,362; Oct. 9.
Solms, Fred J.: See—
Porsche, J. D., and Solms.

Souther, Benjamin L., New Canaan, Conn., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Preparation of ethyl B-ethoxypropionate. 2,386,363; Oct. 9.

Southern Acid & Sulphur Company, Inc.: See—
Fernelius, W. C., and McKeenolds, assignors.

Spalt, George, & Sons, Inc.: See—
Epworth, Sylvia D., assignor.

Sparks, William L., Hartsdale, N. Y. Fastener. 2,386,723; Oct. 9.

Spaulding, Ralph E., assignor to The Aetna Iron & Steel Company, Jacksonville, Fla. Structural member. 2,386,724; Oct. 9.

Specialties Development Corporation: See—
Grant, Harry C., Jr., assignor.

Mapes, Daniel, assignor.

Spencer, Harry H., Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power plant. 2,386,638; Oct. 9.

Sprague Electric Company: See—
Nazarewski, Mathew, assignor.

Robinson, Preston, assignor.

Spurlino, Pascal, A. R. Colley, L. N. Lehman, and F. Gantner, assignors to The National Cash Register Company, Dayton, Ohio. Cash register. 2,386,364; Oct. 9.

Squyres, Arthur: See—
Roberts, Pearl B., assignor.

Stafford, Jean C., Dayton, Ohio. High speed grinding spindle. 2,386,639; Oct. 9.

Standard Oil Company: See—
Hilliker, William P., assignor.

Statler, Walter H., and L. G. Miller, Bethlehem, Pa., assignors to Bethlehem Steel Company. Car truck. 2,386,577; Oct. 9.

Staudinger, Hanns P., Ewell, K. H. W. Tuerck, Banstead, and E. H. Brittain, Epsom Downs, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of polymerizable unsaturated acids. 2,386,365; Oct. 9.

Steel Heddle Manufacturing Company: See—
Kaufmann, Frank H., assignor.

Kaufmann, John J., assignor.

Stewart, C. T.: See—
Carter, Clyde C., assignor.

Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Side hole coring device. 2,386,514; Oct. 9.

Stormont, Joseph E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Diolfin recovery. 2,386,366; Oct. 9.

Strain, William H., Rochester, N. Y., J. T. Plati, Passaic, N. J., and S. L. Warren, Oak Ridge, Tenn., assignors of one-half to Noned Corporation, and one-half to Eastman Kodak Company, Rochester, N. Y. Bis esters of iodinated phenyl aliphatic carboxylic acids. 2,386,640; Oct. 9.

Strean, Lyon P., assignor to Ayerst, McKenna & Harrison Limited, Montreal, Quebec, Canada. Therapeutic substance for measles. 2,386,725; Oct. 9.

Strother, Fred P., Minneapolis, Minn., assignor to Sears, Roebuck and Co., Chicago, Ill. Coffee maker. 2,386,278; Oct. 9.

Sulzer Freres, Societe Anonyme: See—
Moessinger, A., assignor.

Superior Railway Products Corporation: See—
Butts, Armstrong C., assignor.

Swart, Leland K., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Two-way carrier wave signal transmission system. 2,386,515; Oct. 9.

Sylvania Electric Products Inc.: See—
Betts, Mazeppa D., assignor.

Sylvania Industrial Corporation: See—
Cornwell, Ralph T. K., assignor.

Taggart, Thomas R., Salem, Oreg. Scoop loader. 2,386,410; Oct. 9.

Tannehill, Vernon L., Fort Wayne, Ind. Valve. 2,386,726; Oct. 9.

Taylor, Edward S., Lincoln, Mass., assignor to Wright Aeronautical Corporation. Gear systems. 2,386,367; Oct. 9.

Taylor, Harden F., New York, and C. H. Robinson, Jackson Heights, assignors to The Atlantic Coast Fisheries Company, New York, N. Y. Conditioning apparatus. 2,386,368; Oct. 9.

Taylor, Robert J., Claymont, assignor to American Viscose Corporation, Wilmington, Del. Device for collecting filamentary materials. 2,386,411; Oct. 9.

Teleregister Corporation: See—
May, H. F., and Marshall, assignors.

Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,386,727; Oct. 9.

Theisen, Joseph L., Marblehead, Mass., assignor to General Electric Company. Wave expansion arrangement for cathode ray oscilloscopes. 2,386,728; Oct. 9.

Thompson, Elmer B., assignor to Globe Holst Company, Des Moines, Iowa. Dolly. 2,386,516; Oct. 9.

Thompson, Harry H.: See—
Moore, D. V., and Thompson.

Thompson, William G., Sutton Coldfield, assignor to The General Electric Company Limited, London, England. Electromagnetic pump for electrically conducting liquids. 2,386,369; Oct. 9.

Thurston, Jack T., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Hydroxy-substituted aryl guanamines. 2,386,517; Oct. 9.

Tibbetts, Raymond W., Camden, Maine. Piezoelectric device. 2,386,279; Oct. 9.

Trockle, Frank E., E. D. McClellan, and W. D. Simpson, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Molding apparatus. 2,386,641; Oct. 9.

Tuerck, Karl H. W.: See—
Staudinger, H. P. Tuerck, and Brittain.

Turnbull, Stockton G., Jr.: See—
Rosenberg, H. R., and Turnbull.

Twiss, Douglas F.: See—
Blanco, J. R., Neale, and Twiss.

Ulrich, Theodore, Bridgeport, Conn., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle body. 2,386,280; Oct. 9.

Union Special Machine Company: See—
Sauer, George, assignor.

United Shoe Machinery Corporation: See—
Cushman, Lee H., assignor.

Holmgren, Eric A., assignor.

U. S. Industrial Chemicals, Inc.: See—
Balcar, Frederick R., assignor.

Souther, Benjamin L., assignor.

United States Rubber Company: See—
Breck, Samuel, assignor.

Hanslick, Roy B., assignor.

Hile, Heston H., assignor.

U. S. Shellac Importers Association, Inc.: See—
Bassford, Henry H., Jr., assignor.

United States Steel Products Company: See—
Hanrahan, William I., assignor.

Universal Oil Products Company: See—
Ipatieff, V. N., and Schaad, assignors.

Upham, John D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Supported catalysts and preparation thereof. 2,386,518; Oct. 9.

Valve Engineering Company: See—
Caldwell, Walter T., assignor.

Vaughan, Vernon V., Norfolk, Va. Hand or pointer remover. 2,386,370; Oct. 9.

Victor Metal Products Corporation: See—
Apfelbaum, Huna L., assignor.

Vidal Corporation: See—
Vidal, Eugene L., assignor.

Vidal, Eugene L., Washington, D. C., assignor to Vidal Corporation. Apparatus for forming laminated molded structures. 2,386,578; Oct. 9.

Virginia-Carolina Chemical Corporation: See—
Merlub-Sobel, Menahem, assignor.

Vose, Robert W., West Springfield, assignor to Chicopee Manufacturing Corporation, Chicopee Falls, Mass. Kier piler. 2,386,371; Oct. 9.

Wabash Appliance Corporation: See—
Fink, William C., assignor.

Waggoner, Frank H., Pearl River, N. Y. Display device. 2,386,642; Oct. 9.

Wagner, Cary R., Utica, Ohio, assignor to Phillips Petroleum Company. Production of cyclic ketones. 2,386,372; Oct. 9.

Wagner, Gustave H.: See—
Wagner, Harold A. and G. H.

Wagner, Harold A. and G. H., Portland, Oreg. Material handling truck. 2,386,519; Oct. 9.

Waite, John L., Jr.: See—
Duke, E. H., and Waite.

Wakefield, Richard E. B., Aldan, Pa., assignor to Selas Corporation of America. Liquid detecting means. 2,386,412; Oct. 9.

Walker, Crosswell & Company Limited: See—
Walker, Richard F., assignor.

Walker, Richard F., assignor to Walker, Crosswell & Company Limited, Cheltenham, England. Valve position indicator. 2,386,413; Oct. 9.

Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Precise level determination apparatus. 2,386,643; Oct. 9.

Wallace & Tiernan Products, Inc.: See—
Wallace, Charles F., assignor.

Walton, Charles W.: See—
Borders, A. M., Wolfe, Osterhof, and Walton.

Warren, Stafford L.: See—
Strain, W. H., Plati, and Warren.

Warrick, Earl L.: See—
McGregor, R. R., and Warrick.

Warwick Chemical Company: See—
Pingree, Raymond A., assignor.

Watnick, Morris, Brooklyn, N. Y. Radiator enclosure. 2,386,414; Oct. 9.

Watson, George R., Waukegan, Ill., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Tool guide for cable tool drills. 2,386,281; Oct. 9.

Watson, John E., Westport, Conn., and C. B. McBride, Port Chester, N. Y., assignors to Pratt-Daniel Corporation, East Port Chester, Conn. Dust sampler. 2,386,282; Oct. 9.

Watson, Thomas J., New Canaan, and B. H. Phillips, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Filing system. 2,386,520; Oct. 9.

Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Automatic flap control. 2,386,521; Oct. 9.

Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Airfoil construction. 2,386,522; Oct. 9.

Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Sleeve bolt. 2,386,729; Oct. 9.

Webster, Roderick S., Evanston, and P. C. Will, Oak Park, Ill., assignors to The Hydro-Blast Corporation. Treating tank. 2,386,415; Oct. 9.

Wecoline Products, Inc.: See—
Barsky, George, assignor.

Wedgworth, John K., York, Ala. Demolition appliance for aircraft. 2,386,373; Oct. 9.

Weiner, Arnost, Halfway, England. Machine for subdividing blocks of glue and other materials into small pieces. 2,386,730; Oct. 9.

Weisglass, Louis L.: See—
Simmon, A., and Weisglass.

Weizmann, Charles, London W. C. I. England. Fermentation processes. 2,386,374; Oct. 9.

Welling, Charles E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separating hydrocarbons. 2,386,375; Oct. 9.

Welling, Charles E., Wilkinsburg, Pa., assignor to Phillips Petroleum Company. Separating hydrocarbons. 2,386,523; Oct. 9.

Wellman, Smith Owen Engineering Corporation Limited. The: See—
Kay, Ignatius, assignor.

Wenzelberger, Elwood P., Plainfield, assignor to Johnson & Johnson, New Brunswick, N. J. Segregated adhesive tape calendar. 2,386,731; Oct. 9.

Wesseler, William J., et al.: See—
Hunsdorf, William P., assignor.

West, Byron L.: See—
Crossley, M. L., and West.

Western Electric Company, Incorporated: See—
Brooks, Percy E., assignor.

Wheeler, Delbert, Sioux Falls, S. Dak. Grading machine. 2,386,579; Oct. 9.

White, Joseph S., Galena Park, Tex. Roof center. 2,386,525; Oct. 9.

White, Robert J., assignor to Hammond Instrument Company, Chicago, Ill. Gyroscopic apparatus. 2,386,176; Oct. 9.

Whiteman, Charles E.: See—
Bailey, W. J. A., and Whiteman.

Whitesell, Robert O., and P. B. Freeman, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Protective circuit for transformer-rectifier systems. 2,386,526; Oct. 9.

Whitmore, Robert M., assignor to National Cash Register Company, Dayton, Ohio. Magazine testing means. 2,386,376; Oct. 9.

Wiberg, Oscar A., Finspong, Sweden. Turbine rotor. 2,386,527; Oct. 9.

Wickerham, William R., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Alternating current hoist control. 2,386,580; Oct. 9.

Wickerham, William R., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Hoist control system. 2,386,581; Oct. 9.

Wiken, Christy A., and E. A. Relbig, assignors, by mesne assignments, to The Delta Manufacturing Company, Milwaukee, Wis. Machine tool. 2,386,283; Oct. 9.

Wildt and Company Limited: See—
Holmes, H. H., and Hurd, assignors.

Wilhelm, Warren F., Chicago, Ill. Tablet and packaging same. 2,386,416; Oct. 9.

Will, Phillip C.: See—
Webster, R. S., and Will.

Willcox & Gibbs Sewing Machine Company: See—
Backlin, C. R., assignor.

Williams, Ben H., assignor to The Mutual Life Insurance Company, New York, N. Y. Chart. 2,386,644; Oct. 9.

Williams, Ernest E., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Speed regulating device. 2,386,645; Oct. 9.

Williams, Sidney B., West Caldwell, N. J., assignor to Curtiss-Wright Corporation. Arc decreasing circuit. 2,386,377; Oct. 9.

Willis, Litta, et al.: See—
Carstarphen, William P., assignor.

Wilmotte, Raymond M., Washington, D. C. Frequency modulation system. 2,386,528; Oct. 9.

Wilson, William, Cleveland, and J. J. Brutvan, Bedford, assignors to The Cleveland Twist Drill Company, Cleveland, Ohio. Salt bath furnace. 2,386,529; Oct. 9.

Winchell, Grant: See—
Carter, W. and Winchell.

Wingfoot Corporation: See—
Borders, A. M., Wolfe, Osterhof, and Walton, assignors.

Clifford, A. M., and Wolfe, assignors.

Dinsmore, Ray P., assignor.

Lichty, Joy G., assignor.

Manchester, Frank H., assignor.

Moore, D. V., and Thompson, assignors.

Wippel, Robert F., Kansas City, Kans. Tractor plow. 2,386,378; Oct. 9.

Wise, Raleigh J.: See—
Ridings, G. H., and Wise.

Withaver, Max, Los Angeles, Calif. Nursing brassiere. 2,386,530; Oct. 9.

Witkower, Max, Los Angeles, Calif. Brassiere. 2,386,531; Oct. 9.

Wohlhieter, Joseph W., East Orange, assignor to The Palmat Company, Irvington, N. J. Tube mount. 2,386,732; Oct. 9.

Wolcott, Frank E., West Hartford, assignor to The Sillex Company, Hartford, Conn. Coffee maker. 2,386,532; Oct. 9.

Wolf, Lester J., Audubon, N. J., assignor to Radio Corporation of America. High-frequency apparatus. 2,386,733; Oct. 9.

Wolfe, William D.: See—
Borders, A. M., Wolfe, Osterhof, and Walton.

Wolfe, William D.: See—
Clifford, A. M., and Wolfe.

Wolk, I. Louis, Bartlesville, Okla., assignor to Phillips Petroleum Company. Diolfin recovery. 2,386,379; Oct. 9.

Wolk, I. Louis, Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovery of diolfin. 2,386,734; Oct. 9.

Wolofski, Nicholas: See—
Haberstump, A. H., Jessup, and Wolofski.

Wood Newspaper Machinery Corporation: See—
Roosen, Oscar C., assignor.

Woodward, Clarence M., Washington, D. C. Masonry crevice forming template. 2,386,582; Oct. 9.

Wright Aeronautical Corporation: See—
Brownne, Kenneth A., assignor.

Jenny, R. W., and Gille, assignors.

Taylor, Edward S., assignor.

Wurlitzer, Rudolph, Company, The: See—
Hokanson, Otto A., assignor.

Wynn, John A., U. S. Army, Prince Georges County, Md. Canteen cup. 2,386,284; Oct. 9.

Yarbrough, Ira L., Chicago, Ill. Steerable toy. 2,386,745; Oct. 9.

Yoder, Bertha L., executrix: See—
Yoder, Carl M.

Yoder, Carl M., deceased, Lakewood, Ohio; Bertha L. Yoder, executrix. Uncoiling mechanism. 2,386,533; Oct. 9.

Youngstown Steel Door Company, The: See—
Ditchfield, Frank, assignor.

Madland, Thorvald, assignor.

Zeldner, Reinhold C., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Fluid coupling. 2,386,285; Oct. 9.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 9TH DAY OF OCTOBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Lighter, Cigarette. H. Negbaur. Re. 22,679; Oct. 9.
Refrigerating system. O. C. Irwin. Re. 22,878; Oct. 9.
Refrigerator. J. N. Roth. Re. 22,680; Oct. 9.

LIST OF PLANT INVENTIONS

Chrysanthemum plant. E. Prushek. 660; Oct. 9.

LIST OF DESIGN INVENTIONS

Bracket, Combined window shade and curtain. N. W. White. 142,538; Oct. 9.
Bracket, Curtain. N. W. White. 142,539-40; Oct. 9.
Carrier, Golf club. T. Cross. 142,513; Oct. 9.
Cart and rocker, Combination child's. A. J. Cronk. 142,512; Oct. 9.
Case, Cigarette. J. M. Beveridge and C. J. Cowan. 142,511; Oct. 9.
Casing, Vacuum cleaner. F. K. Storm, Jr. 142,535; Oct. 9.
Coat. S. Dumler. 142,515; Oct. 9.
Converter for suction cleaners. G. W. Walker and K. A. Hopkins. 142,537; Oct. 9.
Desk. R. L. Myers. 142,525-7; Oct. 9.
Doll. G. O. Anderson. 142,509; Oct. 9.
Edging, Embroidered. G. Zellweger. 142,541; Oct. 9.
Frame or the like, Bicycle. C. L. Hussey. 142,522; Oct. 9.
Game board. S. V. Lervaag. 142,523; Oct. 9.
Game board. J. R. Stafford. 142,534; Oct. 9.
Game counting board. D. N. Smith, Sr. 142,533; Oct. 9.
Glass, Vigil. F. R. Hodges. 142,520; Oct. 9.
Golf tee. J. W. Hughes. 142,521; Oct. 9.
Handbag. F. X. Hiltbrand. 142,519; Oct. 9.
Heel, Shoe. E. J. Scherini. 142,532; Oct. 9.
Holder and ruler, Combined spool. M. Rosenblatt. 142,530; Oct. 9.
Jar or similar article. M. F. Furman. 142,517; Oct. 9.
Milking machine claw. G. A. Anderson. 142,510; Oct. 9.
Ornament, Two-piece hair. J. Halpern. 142,518; Oct. 9.
Pinchle board. H. W. Eaton and B. Trook. 142,516; Oct. 9.
Puller, Weed. R. T. Sand. 142,531; Oct. 9.
Scale, Weighing. B. M. Thiel. 142,536; Oct. 9.
Slipper. G. Popik. 142,529; Oct. 9.
Tenderer, Meat. A. H. Ahrndt. 142,508; Oct. 9.
Toy duck, Ambulatory. C. H. Markwood. 142,524; Oct. 9.
Toy shoe house. E. J. Novak. 142,528; Oct. 9.
Toy telegraph key. H. U. Dernahl. 142,514; Oct. 9.

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LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 9TH DAY OF OCTOBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerators, Vulcanization. R. S. Hanslick. 2,386,457; Oct. 9.
Acrylonitriles, Manufacture of. J. H. Brant and R. L. Hasche. 2,386,586; Oct. 9.
Activator for wells. C. C. Carter. 2,386,593; Oct. 9.
Actuator, Power. E. D. Lilja. 2,386,402; Oct. 9.
Adding and subtracting mechanism. S. Brand. 2,386,425; Oct. 9.
Adhesive compositions. J. Lloyd. 2,386,696; Oct. 9.
Adhesives and making same. T. R. Griffith. 2,386,213; Oct. 9.
Adjustable pressure relief valve. E. W. Clements. 2,386,293; Oct. 9.
Adjustable spanner wrench. C. L. Meyer. 2,386,254; Oct. 9.
Air conditioning. R. J. Parsons. 2,386,569; Oct. 9.
Air conditioning apparatus. A. H. Eberhart. 2,386,303; Oct. 9.
Airfoil construction. M. Watter. 2,386,522; Oct. 9.
Airplane control mechanism. A. E. Osborn. 2,386,709; Oct. 9.
Alarm, Danger call. C. C. Parker. 2,386,711; Oct. 9.
Alloy. See—
Aluminum base alloy.
Aluminum base alloy. La V. W. Eastwood. 2,386,302; Oct. 9.
Aluminum halide catalysts, Manufacture of. T. H. Whaley, Jr. 2,386,524; Oct. 9.
Angle gauge and cutting tool. P. J. McGarvey. 2,386,330; Oct. 9.
Anthraquinone compounds and their manufacture. E. Gutzwiller. 2,386,309; Oct. 9.
Antifreeze composition. F. R. Balcar. 2,386,182-3; Oct. 9.
Antiseptic composition. M. Mendelsohn. 2,386,252; Oct. 9.
Apparatus for coating a fibrous strip. C. Field. 2,386,203; Oct. 9.
Apparatus for extracting sulphur from gases. W. C. Fernellus and J. P. McReynolds. 2,386,390; Oct. 9.
Apparatus for forming laminated molded structures. E. L. Vidal. 2,386,578; Oct. 9.
Apparatus for making fluid pressure connections to the instruments on an instrument panel. D. Samiran. 2,386,270; Oct. 9.
Apparatus for making glass film. G. Slayter and H. Snow. 2,386,511; Oct. 9.
Apparatus for producing fire extinguishing foam. F. J. Hogenmiller. 2,386,464; Oct. 9.
Apparatus for producing magnesium. G. D. Bagley. 2,386,189; Oct. 9.
Apparatus for producing radiographs. M. L. B. J. Caspersz. 2,386,658; Oct. 9.
Apparatus for providing regulated direct current voltage. H. Fogel. 2,386,548; Oct. 9.
Apparatus for separating from a gas or liquid medium solid or liquid particles. D. Dallin. 2,386,196; Oct. 9.
Apparatus for testing bonds in laminated metallic articles. H. Johnson. 2,386,319; Oct. 9.
Appliance for aircraft, Demolition. J. K. Wedgworth. 2,386,373; Oct. 9.
Approach light. J. M. Roper. 2,386,268; Oct. 9.
Arc decreasing circuit. S. B. Williams. 2,386,377; Oct. 9.
Arrestor, Lightning. B. Schlesinger. 2,386,720; Oct. 9.
Asbestos, Fiberizing. W. J. Joyce, Jr. 2,386,401; Oct. 9.
Asbestos processing. L. C. Pharo. 2,386,715; Oct. 9.
Asbestos separating. L. C. Pharo. 2,386,714; Oct. 9.
Asbestos treatment. L. C. Pharo. 2,386,713; Oct. 9.
Attachment for lathes, Milling. P. Hellman. 2,386,461; Oct. 9.
Automatic flap control. M. Watter. 2,386,521; Oct. 9.
Azo compounds and material colored therewith. J. B. Dickey and J. G. McNally. 2,386,599; Oct. 9.
Bag for tire section molds, Self-centering curing. I. F. Propp. 2,386,504; Oct. 9.
Base construction. R. E. Gardiner. 2,386,306; Oct. 9.
Bearing and retainer puller. C. L. Meyer. 2,386,253; Oct. 9.
Bedspring. J. N. Bressler. 2,386,428; Oct. 9.
Belt. H. Morrison. 2,386,708; Oct. 9.
Bile pigments, Recovering. J. D. Porsche and F. J. Solms. 2,386,716; Oct. 9.
Binoculars. J. A. Grier. 2,386,394; Oct. 9.
Bis esters of iodinated phenyl aliphatic carboxylic acids. W. H. Strain, J. T. Plati, and S. L. Warren. 2,386,640; Oct. 9.
Bis-trimethylsilyl oxide and its preparation. W. H. Daudt. 2,386,441; Oct. 9.
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Bituminous composition and making same. E. J. Canavan. 2,386,592; Oct. 9.
Blade, Razor. Z. Auerbach. 2,386,180; Oct. 9.
Blind, Window. A. Lister-Torsen. 2,386,695; Oct. 9.
Block device, Vehicle wheel. L. E. Connell and L. W. Jones. 2,386,595; Oct. 9.
Boat. H. B. Harvey. 2,386,215; Oct. 9.
Boat and ship drive, Contraposed twin turreted. W. E. Soldner. 2,386,362; Oct. 9.
Body for apparatus or the like, particularly for photographic apparatus. J. Bolsey. 2,386,538; Oct. 9.
Bogie for track laying or other vehicles, Articulated. V. G. Loyd. 2,386,620; Oct. 9.
Bolt, Sleeve. M. Watter. 2,386,729; Oct. 9.
Bomb installation. D. C. Rowe and S. T. Payne. 2,386,348; Oct. 9.
Book, Supplement. M. H. Harris. 2,386,740; Oct. 9.
Box: See—
Core box.
Box magazine latch mechanisms for repeating firearms. H. H. Sefried, II. 2,386,722; Oct. 9.
Brake. J. A. Forbes. 2,386,453; Oct. 9.
Brake or clutch. H. T. Kraft. 2,386,477; Oct. 9.
Brassiere. M. Witkower. 2,386,531; Oct. 9.
Brassiere, Nursing. M. Witkower. 2,386,530; Oct. 9.
Bridge for goggle frames, Adjustable connecting. C. Fischer. 2,386,175; Oct. 9.
Broiler, Electric. H. E. Brannon. 2,386,426; Oct. 9.
Buckle. F. E. Mefford. 2,386,251; Oct. 9.
Buckle, Recouping. M. H. Kanary. 2,386,473; Oct. 9.
Buffing machine, Automatic multiple. P. J. Belcourt. 2,386,649; Oct. 9.
Building construction, Suspended. R. W. Marshall. 2,386,622; Oct. 9.
Burner: See—
Horizontal pot type burner.
Butadiene-acrylonitrile copolymers, Improving. A. M. Clifford and W. D. Wolfe. 2,386,661; Oct. 9.
Butadiene production. K. H. Hachmuth. 2,386,310; Oct. 9.
Butadiene, Production of. A. E. Lorch. 2,386,324-5; Oct. 9.
Butenes to isobutene, Isomerizing normal. V. N. Ipatieff and R. E. Schaad. 2,386,468; Oct. 9.
Cabinet. H. Derman. 2,386,664; Oct. 9.
Cable termination and joint, High voltage electric. C. J. Beaver, E. L. Davey, and J. H. Pirie. 2,386,185; Oct. 9.
Calcium and magnesium compounds from dolomite, Production of. F. Elkington and H. H. Chesny. 2,386,389; Oct. 9.
Calcium cyanide, Producing high-grade. L. J. Christmann and A. G. Hout. 2,386,434; Oct. 9.
Calculating machine for effecting division. W. Lang. 2,386,481; Oct. 9.
Call transmitter. R. F. Mallina. 2,386,486; Oct. 9.
Camera. A. Simmon and L. L. Weisglass. 2,386,575; Oct. 9.
Can opener, Rotary type. R. E. McLean. 2,386,490; Oct. 9.
Cantilever spring. J. W. Pettit. 2,386,571; Oct. 9.
Cap for gaseous discharge lamps, End. M. D. Betts. 2,386,190; Oct. 9.
Carbonates of 1-R-aminoethanes. H. A. Shonle and E. Rohrmann. 2,386,273; Oct. 9.
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Carrier. A. D. McKellar. 2,386,489; Oct. 9.
Carrier relay, Modified-impedance. S. L. Goldsborough. 2,386,209; Oct. 9.
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Cartridge, Electrically actuated. H. C. Grant, Jr. 2,386,211; Oct. 9.
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Catalytic alkylation, Method and apparatus for. S. T. Hadden. 2,386,681; Oct. 9.
Catamenial device. V. Calhoun. 2,386,590; Oct. 9.
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Chart. H. H. Williams. 2,386,644; Oct. 9.
Check controlled apparatus. W. W. Bowman. 2,386,191; Oct. 9.
Chemical compound. J. G. Lichty. 2,386,694; Oct. 9.
Chemical immersion heater. W. A. Caldwell. 2,386,654; Oct. 9.

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Chemical processes. H. R. Rosenberg. 2,386,635; Oct. 9.
 Chest, Cedar. E. C. Crockett. 2,386,440; Oct. 9.
 Chime and head, Drum. W. I. Hanrahan. 2,386,312; Oct. 9.
 Chime signal. J. R. Corbett. 2,386,738; Oct. 9.
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 Chuck. N. H. Iversen. 2,386,469; Oct. 9.
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 Desk set, Magnetic. K. Parker. 2,386,500; Oct. 9.
 Device for canteens, Heating. J. H. Pearson. 2,386,501; Oct. 9.
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 Diene polymerization. A. M. Borders, W. D. Wolfe, H. J. Osterhof, and C. W. Walton. 2,386,735; Oct. 9.
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 Ethyl B-ethoxy-propionate, Preparation of. B. L. Souther. 2,386,363; Oct. 9.
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 Exposure meter. H. Kott. 2,386,320; Oct. 9.
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 Fastener. W. L. Sparks. 2,386,723; Oct. 9.
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 Louver construction, Tropical. W. A. Andresen and L. Boero. 2,386,380; Oct. 9.
 Lubricant. B. H. Lincoln and G. D. Byrkit. 2,386,222; Oct. 9.
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 Machine for cutting objects. F. Y. Pearne and J. D. Rossier. 2,386,341; Oct. 9.
 Machine for forming separated bodies. A. C. Mason. 2,386,623; Oct. 9.
 Machine for subdividing blocks of glue and other materials into small pieces. A. Weiner. 2,386,730; Oct. 9.
 Machine tool. C. A. Wiken and E. A. Reibig. 2,386,283; Oct. 9.

Manifolding apparatus for typewriting machines. C. W. Brumhill. 2,386,430; Oct. 9.
 Map base, Relief. T. W. Dominick. 2,386,199; Oct. 9.
 Masonry crevice forming template. C. M. Woodward. 2,386,582; Oct. 9.
 Material handling apparatus. W. C. Ewaldson. 2,386,547; Oct. 9.
 Measuring device. C. A. Bailey. 2,386,181; Oct. 9.
 Measuring instrument, Deflecting. G. H. Kaemmerling. 2,386,472; Oct. 9.
 Mechanism for accelerating the wheels of the landing gear of an airplane. E. H. Duke and J. L. Wait, Jr. 2,386,301; Oct. 9.
 Mechanism for forming tubular rivets. E. F. Hesselman. 2,386,550; Oct. 9.
 Metal plates, Sensitizing and protecting. V. N. Gloseff. 2,386,602; Oct. 9.
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 Metallic bodies, Producing. H. L. Crowley. 2,386,544; Oct. 9.
 Metallic powders, Molding under pressure. C. G. Goetzl. 2,386,604; Oct. 9.
 Metals in multiple retort distilling furnace, Production of. F. G. Breyer. 2,386,429; Oct. 9.
 Meter: See—
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 Mineral oil composition. J. J. Giammaria and O. M. Reiff. 2,386,206; Oct. 9.
 Modulation system, Frequency. R. M. Willmott. 2,386,528; Oct. 9.
 Molding apparatus. F. E. Trockle, E. D. McClellan, and W. D. Simpson. 2,386,641; Oct. 9.
 Molding of plastic compositions, Injection. H. J. Lynch. 2,386,697; Oct. 9.
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 Motor control for electric hoists. C. J. Manney and H. D. Moore. 2,386,487; Oct. 9.
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 Muffler, Vacuum type exhaust. A. D. Flineckinger. 2,386,305; Oct. 9.
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 Nut. H. G. Dawson. 2,386,197; Oct. 9.
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 1,3,5-trimethyl-(6)-aminophenyl-arsenic compounds, Substituted. E. A. H. Friedheim. 2,386,204; Oct. 9.
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 Phenol ethers and products produced thereby, Treating. W. F. Schaffelberger. 2,386,719; Oct. 9.
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 Pump: See—
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 Reagent preparation and use in separation of unsaturated hydrocarbons. W. A. Schulze and L. C. Morris. 2,386,358; Oct. 9.
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 Spring: See—
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CLASSIFICATION OF PATENTS

ISSUED OCTOBER 9, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Notice

U. S. PATENT OFFICE, Washington, D. C., Sept. 20, 1945.
Rules 137 and 138, as amended, are intended to apply to all appealed cases which are set for hearing after January 1, 1946.

No response to any reply will be accepted.
The purpose of a reply is to enable Examiners to furnish the Board with their views regarding new facts or arguments raised in applicant's brief on appeal. A reply should not be used merely as a substitute for, or to amplify, an Examiner's statement, which should be full and complete and, ordinarily, sufficient to avoid the necessity of a reply.
Rule 137 specifies that a brief on appeal must be filed 20 days before the day of hearing and the reply at least 5 days before such day. These times are maximum limits, and the rule provides a maximum of 15 days between the date of filing of a brief on appeal and the reply thereto. A brief on appeal may be filed at any time prior to 20 days before the day of hearing, and whenever filed, any reply thereto must be filed by the Examiner within 15 days after its receipt by the Office.

CASPER W. OOMS,
Commissioner.

Adjudicated Patent

(C. C. A. Mich.) Carpenter patent, No. 1,919,500, for apparatus for controlling the flow of refrigerant in a refrigerating apparatus, Held invalid. *Rice v. Nash-Kelvinator Corp.*, 150 F.(2d) 457; 66 USPQ 78.

Important Information

In ordering manuscript copies much time will be saved if the order states specifically what is desired, viz:
Application as originally filed. (Petition, specification, oath, and drawings, as received.) Application as amended. (Petition, specification, oath, and drawings with amendments entered.)
Application as allowed. (Petition, specification, oath, and drawings as passed by the Examiner for issue.)
Original application. (Facsimile petition, specification, oath, and drawings at present time.)
Specification as originally filed. (As received in Office.)
Specification as amended. (With amendments entered.)
Specification as allowed. (As passed by the Examiner for issue.)
Original specification. (Facsimile at present time.)
File-wrapper. (File-wrapper only.)
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File-wrapper contents, and drawings. (File-wrapper and all of the contents of record, including photoprints of any tracings, exhibits, or prints within the file-wrapper. In pending cases, photoprints of the pending drawings only, omitting any canceled. If patented, copy of the specification and drawings of the patent being furnished, photoprints are not made of the original drawings unless specially ordered. If canceled drawings are wanted, they must also be specially ordered.)
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Rule 72

RULE 72. After the completion of the application the Office will not return the specification for any purpose whatever. If applicants have not preserved copies of the paper which they wish to amend, the Office will furnish them on the usual terms.

The drawing may be withdrawn only for such corrections as cannot be made by the Office; but a drawing cannot be withdrawn unless a photographic copy has been filed and accepted by the Examiner as a part of the application. Permissible changes in the construction shown in any drawing may be made only by the Office and after an approved photographic copy has been filed. Sketches filed to show proposed changes in construction must be in permanent ink. (See Rule 30.) Substitute drawings will not be admitted in any case unless required by the Office.

Condition of Applications Under Examination at Close of Business September 28, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 71,444; Trade-Mark Division, 2,876. Oldest new case, September 20, 1944; oldest amended, September 20, 1944.)
(The dates given are 1945 except where † indicates 1944.)

DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS

	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spitoons; Sewerage.	†Dec. 11	†Dec. 19	1118
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Prunes; Tobacco; Textile Wringers; Butchering.	†Oct. 16	†Oct. 19	1348
3. WOLFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part).	†Dec. 4	†Dec. 14	1370
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Jan. 13	Jan. 22	1091
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	†Oct. 2	†Oct. 5	1818
6. GENIESSE, E. W., Carbon Chemistry (part).	Jan. 17	Jan. 20	1256
7. JARBOE, C. G., Optics, Photography.	Apr. 10	Mar. 16	1033
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets.	Mar. 14	Mar. 14	1129
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors.	†Nov. 8	†Nov. 10	1281
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	May 11	May 10	354
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control.	†Oct. 26	†Nov. 9	1410
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	Jan. 17	Jan. 31	1085
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery.	Mar. 6	Mar. 15	842
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Mar. 26	Mar. 29	907
16. SPENCER, C. J., Telegraphy; Telephony.	Feb. 14	Feb. 8	861
17. HAECKER, LION B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	†Nov. 16	†Nov. 28	689
18. KURZ, J. A., Motors, Expandable-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	†Dec. 23	Jan. 4	1102
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	†Dec. 9	†Dec. 5	746
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Feb. 14	Feb. 19	840
21. THOMPSON, T. J., Textiles.	Apr. 2	Apr. 3	803
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance.	Feb. 3	Feb. 6	1323
23. LEWIS, J. B., Cash Registers; Calculators (part).	Feb. 8	†Dec. 7	150
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines.	Mar. 2	Mar. 1	849
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Jan. 8	Jan. 15	1025
26. YOUNG, R. R., Electricity—Generation and Motive Power.	†Nov. 15	†Nov. 24	1236
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	†Dec. 1	†Nov. 7	1156
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	†Nov. 6	†Nov. 6	1034
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	†Dec. 7	†Dec. 6	1176
30. MCCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidistats; Heating Systems; Ammunition and Explosive Devices.	Jan. 19	Jan. 19	1277
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils.	May 12	May 7	863
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	†Dec. 5	Mar. 14	952
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Jan. 26	Jan. 29	1108
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	†Dec. 11	Jan. 24	658
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	†Dec. 15	†Dec. 11	1047
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring.	Jan. 17	Jan. 25	796
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers.	†Oct. 30	†Oct. 28	1201
38. KRAFT, C. F., Containing Processes; Conting or Plastic Compositions (part); Rubber (part); Ornamentation.	†Dec. 21	†Dec. 13	936
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution.	†Dec. 18	†Dec. 15	1302
40. DRUMMOND, E. J., Receptacles (part); Packages.	Jan. 6	Jan. 31	1490
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	†Dec. 29	†Dec. 9	846
42. MARANS, H., Electric Signaling; Electricity; Galvanometers and Meters.	Feb. 28	Feb. 23	662
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	†Dec. 30	Jan. 1	817
44. HARVEY, L. P., Refrigeration; Preserving.	†Oct. 16	†Oct. 10	706
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels; Tire Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	†Dec. 29	Jan. 8	1360
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	†Nov. 23	†Nov. 23	785
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part).	Mar. 3	Mar. 9	1260
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters.	†Dec. 12	†Dec. 12	1281
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Mar. 10	Mar. 1	701
50. LEVIN, SAMUEL, Synthetic Resins.	Feb. 9	Feb. 9	1482
51. CROCKER, A. W., Radiant Energy; Modulators.	Jan. 1	†Dec. 18	1956
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	†Nov. 13	Jan. 8	1677
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manfolding; Printed Matter; Stationery; Education; Paper Film and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	†Oct. 14	†Nov. 30	1327
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	†Sept. 20	†Sept. 20	1430
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part).	Feb. 10	Jan. 22	924
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making.	†Nov. 20	†Nov. 25	1019
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	†Nov. 13	†Nov. 11	1183
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	Apr. 5	Mar. 31	700
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part).	†Nov. 4	†Nov. 1	1421
60. GLASS, R. I., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	†Dec. 7	†Dec. 15	1173
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Jan. 13	Jan. 10	1168
62. FUGER, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors.	†Nov. 6	†Oct. 27	1942
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	†Oct. 27	†Dec. 14	1563
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel.	May 28	May 15	789
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	†Oct. 27	†Oct. 31	1381
TRADE-MARKS: RICHMOND, F. A.	June 1	July 23	2876
DESIGNS: KALUPY, H. H.	June 12	Aug. 7	1650

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

HARDER ET AL. v. HAYWARD

No. 4,966. Decided May 24, 1945

[— F.(2d); 66 USPQ 51]

1. APPLICATION—CONTINUATION—EFFECT OF REPEAL OF SECTION 4897 R. S.

Held that the renewal statute, section 4897 R. S., related solely to forfeited applications; that as stated in *In re Febray*, 30 C. C. P. A. (Patents) 1099, 135 F.(2d) 751, 57 USPQ 407, 554 O. G. 377, it "had no application to allowed applications which had not become forfeited through failure to pay the final fee;" and that "the repeal of that statute could not in any way affect the practice in the Patent Office, permitting applicants to file continuing applications or continuation-in-part applications after allowance, but before forfeiture, of their original applications."

2. SAME—SAME—EFFECT OF SECTION 4885 R. S.

"The first part of section 4885 . . . provides that upon allowance of an application and notice thereof given, the applicant shall pay the final fee within six months, and that if the fee is not paid 'the patent shall be withheld.' That part of section 4885 clearly provides that a patent shall not issue on a forfeited application, that is, an application which has been allowed and has become forfeited by failure of the applicant to pay the final fee within the six months' period provided therein. There is nothing in those provisions, either express or implied, which prohibits the filing of a continuing application or a continuation-in-part application after allowance, but before forfeiture, of an original application."

3. SAME—SAME—SAME.

"At the time of the repeal of section 4897 . . . the Congress, realizing that the provisions of section 4885, then in force, prohibited the issuance of patents on forfeited applications, added the proviso to that section which authorizes the Commissioner of Patents, in his discretion, to issue a patent on a forfeited application, provided the final fee is paid within one year after forfeiture. It is clear, therefore, that the Congress was fully aware of the fact that the first part of section 4885, so far as it prohibited the issuance of patents, applied solely to forfeited applications."

4. SAME—SAME—SAME.

"Furthermore, it has been the practice in the Patent Office for more than 50 years (much of the life of the first part of section 4885), which practice has been approved by the courts, for applicants to file continuing applications or continuation-in-part applications after allowance, but before forfeiture, of their original applications."

5. SAME—SAME—EFFECT OF SECTION 4897 R. S.

"The decisions in the above cited cases were not based upon the provisions of the renewal statute . . . as it is obvious they could not have been, but rather upon the premise that an allowed application, not forfeited, is pending in the Patent Office, and that there is continuity between such application and a continuing application or a continuation-in-part application."

6. SAME—SAME—EFFECT OF SECTIONS 4897 AND 4885 R. S.

"We are of opinion that neither the renewal statute . . . nor the first part of section 4885 . . . ever had any bearing whatsoever upon the right of an applicant to file a continuing application or a continuation-in-part application after allowance, but before forfeiture, of an original application."

7. SAME—SAME—DELAY.

In response to the argument that the repeal of the renewal statute was for the purpose of preventing long delay in the issuance of patents, and that the purpose of Congress would be thwarted should it be held that a continuing or a continuation-in-part application might be filed as a matter of right after the allowance, but before forfeiture, of an original application, *Held* that "if a continuing or a continuation-in-part application may be filed as a matter of right up to the time of the allowance of an original application, the right to file such an application, after allowance but before forfeiture of an original application, would not be extended for a period greater than six months."

8. SAME—SAME—BEARING OF RULES 78 AND 165.

"Assuming for the purpose of this decision, without holding, that a continuing application or a continuation-in-part application is an amendment of an allowed application, it is not an amendment of the kind contemplated by rules 78 and 165 The amendments contemplated by those rules are amendments which are entered in the files of allowed applications and become physical parts thereof; whereas continuing applications and continuation-in-part applications are separate applications which do not form physical parts of allowed applications, although they are accorded the benefit of the filing dates of such allowed applications as to all common subject matter. That those rules were not intended to apply to continuing applications or continuation-in-part applications, is evidenced by the fact that, although they were in force for more than 50 years prior to the repeal of section 4897 . . . it was the practice in the Patent Office during that period for applicants to file continuing applications or continuation-in-part applications of allowed, but not forfeited, applications as a matter of right."

9. INTERFERENCE—PRIORITY.

Appellee *Held* entitled to the benefit of the filing date of his earlier application, which was allowed approximately three weeks before his continuation-in-part, directly involved in interference, was filed; and that date being prior to the dates alleged in appellants' preliminary statement for conception and reduction to practice, priority *Held* properly awarded to appellee.

APPEAL from the Patent Office. Affirmed.

JACKSON, J., and O'CONNELL, J., dissenting.

Mr. O. B. Buchanan for Harder et al.

Mr. A. D. Salinger and Mr. Harry E. Dunham (Mr. G. H. Bainbridge, Mr. E. C. Britton and Mr. Harry L. Kirkpatrick of counsel) for Hayward.

GARRETT, P. J.:

This is an appeal in an interference proceeding from the decision of the Board of Interference Examiners of the United States Patent Office awarding priority of invention of the subject matter defined by the counts in issue (Nos. 1 to 6, inclusive) to appellee, Claude D. Hayward.

The interference is between appellants' patent, No. 2,240,699, issued May 6, 1941, on an application filed November 12, 1933, and appellee's application, Serial No. 339,096, filed June 6, 1940.

In appellee's involved application it is stated that—

This application is a continuation-in-part of my copending application, Ser. No. 179,016, filed December 9, 1937, for Protection of Electric Systems, the subject matter of said prior application being incorporated in this application together with additional subject matter.

It appears that appellee's earlier application, Serial No. 179,016, filed December 9, 1937 (referred to in the quoted excerpt from appellee's involved application), containing 24 claims, was allowed by the Primary Examiner; that notice of allowance of that application was issued on May 14, 1940; and that approximately three weeks after the notice of allowance appellee filed his continuation-in-part application here involved. Subsequent to the filing of his continuation-in-part application, appellee's allowed application became forfeited by his failure to pay the final fee.

It will be observed from what has been said that appellee's allowed application and his continuation-in-part application were copending in the Patent Office, and that each of those applications was copending with appellants' application which matured into their involved patent.

On June 10, 1942, an interference was declared between appellants' patent and appellee's application (No. 339,096).

On September 5, 1942, appellee moved to shift the burden of proof, claiming that he was entitled to the filing date of his earlier application for conception and constructive reduction to practice of the invention defined by the counts in the interference.

Appellants opposed the motion to shift the burden of proof for the reason, among others, that as appellee's involved application was filed after the allowance of his earlier application, he was not entitled to the filing date of his earlier application for constructive reduction to practice.

Appellee's motion to shift the burden of proof was granted by the Primary Examiner, and appellee was made the senior party in the interference.

As the dates alleged in appellants' preliminary statement for conception and reduction to practice of the involved invention were subsequent to the filing date of appellee's earlier application, appellants were ordered to show cause why judgment on the record should not be rendered against them.

After reciting the facts hereinbefore stated, the Board of Interference Examiners stated that the sole issue before it was whether appellee was entitled to the filing date of his earlier application for constructive reduction to practice, in view of the fact that the renewal statute, section 4897 of the Revised Statutes (U. S. C. title 35, sec. 38), had been repealed August 9, 1939. In awarding priority of invention to appellee Hayward, the Board held that the decision in the case of *In re Febrey*, 30 C. C. P. A. (Patents) 1099, 135 F.(2d) 751, 57 USPQ 407, 554 O. G. 377, where the facts were similar to the facts in the instant case, was controlling; that, therefore, appellee was entitled to the filing date (December 9, 1937) of his earlier application (No. 179,016) for constructive reduction to practice of the invention defined by the counts in issue; and that, as that date was prior to any date alleged by appellants, appellee was entitled to an award of priority of invention.

The sole issue before us is one of law; that is, whether appellee is entitled to the filing date of his allowed application for constructive reduction to practice.

If appellee is entitled to the filing date of his allowed application for constructive reduction of the invention to practice, the decision of the Board of Interference Examiners should be affirmed. If he is not, the decision should be reversed.

The issue before us being one of law, it is unnecessary that we quote any of the counts involved or discuss the invention defined thereby.

The facts in the Febrey case, supra, stated briefly, are as follows: An application of Febrey was allowed on July 20, 1940, with two claims. Febrey did not pay the final fee and the application became forfeited January 20, 1941. However, on January 9, 1941, before his application became forfeited, Febrey filed an application (which recited that it was a continuation of his prior application) in which he presented the two claims that had been allowed together with additional claims. The Primary Examiner declined to give Febrey's continuing application the benefit of the filing date of his allowed application, and rejected the claims on the ground that the invention defined thereby had been in public use for more than one year prior to the filing of the continuing application. In so holding, the Examiner stated, in substance, that Febrey's continuing application had been filed after the right of amendment of his original application had lapsed; that his continuing application was, in effect, a renewal of his original application; and that as the renewal statute (section 4897, supra), which authorized the filing of renewal applications after allowed applications had become forfeited, had been repealed, Febrey's application there involved could not be regarded as a continuation of his allowed application. On appeal, the Board of Appeals affirmed the decision of the Primary Examiner.

In our decision in the Febrey case, supra, we stated that, at the time of the filing of his continuing application, Febrey's allowed application was pending in the Patent Office, and that had the renewal statute (section 4897, supra) not been repealed, the provisions thereof would not have been applicable to the facts in the case for the reason that when Febrey's continuing application was filed, his allowed application had not been forfeited. We there reviewed the decisions in several cases relating to continuing applications, including the case of *Godfrey v. Eames*, 68 U. S. 317, and, with reference to that case, said:

Appellant relies upon the case of *Godfrey v. Eames*, 68 U. S. 317, decided in 1863, wherein Godfrey filed an application for a patent for an invention, the claims for which were rejected by the Commissioner. At the time such application was filed, there was no bar of public use of the invention. Later Godfrey filed a new application for the same invention, but if limited to the date of his new application the bar of public use would exist. A patent was issued upon his second application. The question there decided was that his second application should be held to be a continuation of his first application, and that he was entitled to the benefit of the date of his first application, and hence the patent was not invalid because of prior public use of the invention.

The case last cited arose under the patent laws of 1836 and 1839, which did not contain limitations respecting

prosecution of applications which were found in the present patent statutes, and a distinction between that case and the one at bar is that in the instant case, appellant's application had been allowed and under rule 75, supra, he no longer had the right to amend his application, while in the cited case the right of amendment of the first application had not been terminated.

It should be noted that neither section 4897, supra, nor any similar statute was in existence at the time of the decision in the last cited case. This section was enacted in substantially the form hereinbefore quoted.

We further said, inter alia:

Section 4897, supra, had no application to allowed applications which had not become forfeited through failure to pay the final fee due upon the issue of a patent. As to all unforfeited applications the law as construed by the case of *Godfrey v. Eames*, supra, and other cases, and applied by the Patent Office for many years, remained unaffected by the enactment of said section. We are therefore unable to see how an application which under the law and practice of the Patent Office was proper prior to the enactment of section 4897, supra, and was not embraced in its provisions, could be affected by the repeal of that section.

and, in reversing the decision of the Board of Appeals, concluded our decision as follows:

As hereinbefore stated, we hold that the repeal of section 4897, supra, is not relevant to the issue before us; that appellant, from September 28, 1938, the date of his first application, was continuously applying for a patent for the invention claimed, and that no public use of the invention was shown prior to the date of his first application.

Counsel for appellants here challenges the correctness of our decision in the Febrey case, supra. It is conceded by counsel that an applicant may file a continuing application or a continuation-in-part application at any time before the allowance of his original application. Counsel contend, however, that there is no authority, statutory or otherwise, for the filing of such applications, with the benefit of the filing date of an allowed application, subsequent to the allowance of the allowed application. The gist of the argument of counsel is stated in his brief as follows:

The renewal statute, section 4897, while it was in force, was the only statute which provided any "due proceeding" whereby a patent could be issued on an allowed application, other than by the payment of the final fee within the time set forth in the allowance statute, section 4885.

Therefore, after a formal notice of allowance of an application, under section 4885, there was no lawful way for a patent to issue on that allowed application—except by either the payment of the final fee as and when required by section 4885, or the filing of a renewal application or petition as provided by section 4897.

This is so, because section 4885 says that "the patent shall be withheld" if the final fee is not paid within the time specified; and there has never been any other statute authorizing the Commissioner ever to issue a patent on such a "withheld" application, except the renewal statute, section 4897.

The renewal statute (section 4897, supra), repealed August 9, 1939, which, so far as the issues here are concerned, was originally enacted March 3, 1865 (13 Stat. 533, Ch. CXII), read:

Any person who has an interest in an invention or discovery, whether as inventor, discoverer, or assignee, for which a patent was ordered to issue upon the payment of the final fee, but who fails to make payment thereof within six months from the time at which it was passed and allowed, and notice thereof was sent to the applicant or his agent, shall have a right to make an application for a patent for such invention or discovery the same as in the case of an original application. But such second application must be made within one year after the allowance of the original application. But no person shall be held responsible in damages for the manufacture or use of any article or thing for which a patent was ordered to issue under such renewed application prior to the issue of the patent. [Italics not quoted.]

Section 4885 of the Revised Statutes (U. S. C. title 35, sec. 41) reads:

Every patent shall issue within a period of three months from the date of the payment of the final fee, which fee shall be paid not later than six months from the time at

which the application was passed and allowed and notice thereof was sent to the applicant or his agent; and if the final fee is not paid within that period the patent shall be withheld: *Provided, however, That the Commissioner of Patents may in his discretion receive the final fee if paid within one year after the six months' period for payment has passed and the patent shall issue.* [Beginning with the word "may," Italics ours.]

With the exception of the proviso, which was added August 9, 1939 (53 Stat. 1293), at the time of the repeal of section 4897, supra, section 4885, supra, so far as the issues here are concerned, has been in existence since March 3, 1863 (12 Stat. 796, sec. 3).

[1] It is so obvious as to require no discussion that the renewal statute (section 4897, supra) related solely to forfeited applications, and, as held in the Febrey case, supra, "had no application to allowed applications which had not become forfeited through failure to pay the final fee." [Italics not quoted.] Accordingly, the repeal of that statute could not in any way affect the practice in the Patent Office, permitting applicants to file continuing applications or continuation-in-part applications after allowance, but before forfeiture, of their original applications.

[2] It will be observed that the first part of section 4885, supra, which, as hereinbefore noted, has been in existence since 1870, provides that upon allowance of an application and notice thereof given, the applicant shall pay the final fee within six months, and that if the fee is not paid "the patent shall be withheld." That part of section 4885 clearly provides that a patent shall not issue on a forfeited application, that is, an application which has been allowed and has become forfeited by failure of the applicant to pay the final fee within the six months' period provided therein. There is nothing in those provisions, either express or implied, which prohibits the filing of a continuing application or a continuation-in-part application after allowance, but before forfeiture, of an original application.

[3] At the time of the repeal of section 4897, supra, the Congress, realizing that the provisions of section 4885, then in force, prohibited the issuance of patents on forfeited applications, added the proviso to that section which authorizes the Commissioner of Patents, in his discretion, to issue a patent on a forfeited application, provided the final fee is paid within one year after forfeiture. It is clear, therefore, that the Congress was fully aware of the fact that the first part of section 4885, so far as it prohibited the issuance of patents, applied solely to forfeited applications.

[4] Furthermore, it has been the practice in the Patent Office for more than 50 years (much of the life of the first part of section 4885), which practice has been approved by the courts, for applicants to file continuing applications or continuation-in-part applications after allowance, but before forfeiture, of their original applications. See *Dederick v. Fox*, 58 Fed. 714 (decided by the Circuit Court, Western District, Pennsylvania, February 7, 1893, patent involved issued in 1883); *Ex parte Lewis and Unger*, 1903 C. D. 303; *Gillette Safety Razor Co. v. Clark Blade & Razor Co.*, 187 Fed. 149, 155 (decided

by the Circuit Court, District New Jersey, May 8, 1911), affirmed by the Circuit Court of Appeals (Third Circuit, *Clark Blade & Razor Co. v. Gillette Safety Razor Co.*, 194 Fed. 421; *Motologue Advertising Corp. et al. v. Electric Corp.*, 5 USPQ 370, 379 (decided by the District Court, Eastern District, New York, May 20, 1930)). See also *Ex parte Buehler*, 1925 C. D. 24, 333 O. G. 261, where the Commissioner of Patents, in holding that an applicant might forfeit an application under section 4897, supra, prior to the expiration of the six months' period provided therein and file a renewal application, stated, inter alia:

It may be noted that the same result would be accomplished if the applicant should file a new application for the same invention, and therefore abandon the second application. The Government fee would be the same in both cases; but the applicant would be put to the expense of preparing new papers and there would be a duplication of the Patent Office records. No necessity is seen for requiring such additional expense and duplication of records. [Italics not quoted.]

It is evident from the quoted excerpt from the decision in the Buehler case, supra, that the Commissioner had in mind that an applicant had a right to file a continuing application or a continuation-in-part application after allowance, but before forfeiture, of his original application, and that such an application would be entitled to the filing date of his allowed application.

[5] The decisions in the above cited cases were not based upon the provisions of the renewal statute (section 4897, supra), as it is obvious they could not have been, but rather upon the premise that an allowed application, not forfeited, is pending in the Patent Office, and that there is continuity between such application and a continuing application or a continuation-in-part application.

[6] We are of opinion that neither the renewal statute (section 4897, supra) nor the first part of section 4885, supra, ever had any bearing whatsoever upon the right of an applicant to file a continuing application or a continuation-in-part application after allowance, but before forfeiture, of an original application.

Counsel for appellants argues that the case of *Godfrey v. Eames*, supra, does not hold that a continuing application or a continuation-in-part application may be filed subsequent to the allowance of an original application and, apparently, is of the view that we held that it did in the Febrey case, supra.

We did not so hold, as is apparent from our decision in the Febrey case, supra. However, as appears from the quoted excerpt from our decision in that case, we stated that section 4897, supra, relates solely to forfeited applications; that the law as to unforfeited applications, as construed in the case of *Godfrey v. Eames*, supra, and other cases, and as applied by the Patent Office for many years, remained unaffected by the enactment of that section; and that as the law applicable to unforfeited applications was not affected by the enactment of that section, we were unable to understand how it could be affected by the repeal of that section.

[7] It is argued that the repeal of the renewal statute was for the purpose of preventing long delay in the issuance of patents, and that the purpose of the Congress would be thwarted should it be held that a continuing or a continuation-in-part application might be filed as a matter of right after the allowance, but before forfeiture, of an original application.

It has not been questioned here that a continuing or a continuation-in-part application may be filed at any time prior to the allowance of an original application. Furthermore, it has been the practice in the Patent Office for applicants to file continuing or continuation-in-part applications prior to the allowance of original applications as a matter of right, and that practice has continued in the Patent Office since the repeal of the renewal statute (section 4897, supra). See *Ex parte Silver*, 50 USPQ 519; *Ex parte Davidson*, 58 USPQ 343.

It is obvious, therefore, that if a continuing or a continuation-in-part application may be filed as a matter of right up to the time of the allowance of an original application, the right to file such an application, after allowance but before forfeiture of an original application, would not be extended for a period greater than six months.

But one other matter remains to be considered. It has been suggested that continuing applications and continuation-in-part applications must be considered as amendments of original applications; that the only authority for amending allowed applications which have not become forfeited is provided for in rules 78 and 165 of the Rules of Practice in the United States Patent Office; and that amendments to such applications, whether by continuing applications or continuation-in-part applications or otherwise, may be made only when approved by the Commissioner of Patents. Those rules, which were in existence for more than 50 years prior to the repeal of section 4897, supra, read:

78. Amendments after the notice of allowance of an application will not be permitted as a matter of right, but may be made, if the specification has not been printed, on the recommendation of the primary examiner, approved by the Commissioner, without withdrawing the case from issue. (See rule 165.)

165. After notice of the allowance of an application is given, the case will not be withdrawn from issue except by approval of the Commissioner, and if withdrawn for further action on the part of the office a new notice of allowance will be given. When the final fee has been paid upon an application for letters patent, and the case has received its date and number, it will not be withdrawn from issue on account of any mistake or change of purpose of the applicant, his attorney or his agent, nor for the purpose of enabling the inventor to procure a foreign patent, nor for any other reasons except mistake on the part of the office, or because of fraud, or illegality in the application, or for interference. (See rule 78.)

[8] Assuming for the purpose of this decision, without holding, that a continuing application or a continuation-in-part application is an amendment of an allowed application, it is not an amendment of the kind contemplated by rules 78 and 165, supra. The amendments contemplated by those rules are amendments which are entered in the files of allowed applications and become physical parts thereof; whereas continuing applications and continuation-in-part applications are separate applications

which do not form physical parts of allowed applications, although they are accorded the benefit of the filing dates of such allowed applications as to all common subject matter. That those rules were not intended to apply to continuing applications or continuation-in-part applications, is evidenced by the fact that, although they were in force for more than 50 years prior to the repeal of section 4897, supra, it was the practice in the Patent Office during that period for applicants to file continuing applications or continuation-in-part applications of allowed, but not forfeited, applications as a matter of right.

We adhere to the views expressed in our decision in the case of *In re Febrey*, supra.

[9] For the reasons stated, the decision of the Board of Interference Examiners is affirmed.

Affirmed.

JACKSON, J., (dissenting):

I am not able to agree with the decision of the majority.

In the interests of convenient reading I will discuss the facts and the law involved in the Febrey case. Febrey filed an application, Serial No. 373,828, January 8, 1941, for Stranded Plug-Type Signal Bond. His assignee was The American Steel and Wire Company. He alleged that application to be a continuation-in-part of an earlier application, Serial No. 232,182, filed September 28, 1938, which was passed to issue July 20, 1940 with two allowed claims. It will be noted that the later application was filed 12 days before the forfeiture date of the original application, January 21, 1941. The tribunals of the Patent Office held that if the continuation application had to rely upon its filing date it was barred by public use, and the issue there was whether or not Febrey should be allowed the filing date of his original application, September 28, 1938.

The drawings in both applications were identical except for reference characters. The Primary Examiner held that the only probable new matter in the continuation related to a description of the possible location of certain conductors, and that the new matter added did not materially modify the disclosure of the original, and was not entitled to an effective date prior to its own. The Board of Appeals was of opinion that all of the claims of the continuing application could have been made in the original and regarded the case as falling within the prohibition announced in *In re Application Filed July 10, 1940*, 1941 C. D. 12, 49 USPQ 566, 526 O. G. 857, and therefore that the application was barred by public use.

Upon appeal here, appellant's counsel stated in his brief that he did not urge that the second filed application was a continuation-in-part, although he said he was willing to have it so determined if it were deemed necessary.

In our decision the second application was considered as an ordinary continuation and no discussion was deemed necessary concerning a possible difference in character between it and a con-

tinuation-in-part. In our decision in the Febrey case we held that by repealing the renewal statute, section 4897 R. S., on August 9, 1939, Congress merely denied an applicant the right to file a renewal application after the previously filed application had become forfeited, and that the said repeal did not apply with respect to applications, even though they had been allowed, if they had not been forfeited.

We pointed out that the right to amend appellant's original application expired only because of the rules of the Patent Office, and, in my opinion, relied heavily upon the doctrine announced in the case of *Godfrey v. Eames*, 68 U. S. 317 (1863).

Upon further consideration I think that our decision in the Febrey case should be overruled.

Nowhere at any time has there appeared in the patent statutes any provision for continuing the life of an application, or for a resuscitation thereof, except in section 4897 and the statutes relating to abandonment, which latter I do not discuss here. The first judicial approval of such practice was announced in the case of *Godfrey v. Eames*, supra. Under the statutes in effect then there was no limit on the time within which an applicant had to answer rulings of the Patent Office. Therefore it is not difficult to understand why an applicant under the facts of that case should have been given the benefit of the date of his earlier application. Godfrey was a patentee, who brought suit for infringement against Eames. In his answer Eames alleged the invalidity of the Godfrey patent based on lack of continuity of prosecution. It appears that Godfrey filed his first application for a patent for boot-trees January 31, 1855. It was rejected for want of novelty. On April 24, 1857, Godfrey submitted a new application, simultaneously withdrawing the old one.

It will be noted that the original Godfrey application had been rejected. In the Febrey case the original application had been allowed. I think this difference between the facts in the Godfrey case and those in the Febrey case renders the former inapplicable as a precedent in the latter.

A careful review of all the decisions in which the Godfrey case has been cited reveals that in only one was the continuing application filed while the original application was allowed. *Clark Blade & Razor Co. v. Gillette Safety Razor Co.*, 194 F. 421, affirming 187 F. 149. It should be remembered that neither section 4897 nor anything comparable thereto was in existence when the Godfrey case arose, but that section was the law when the Clark Blade & Razor Co. case arose.

From the enactment of section 4897 until its repeal an applicant was entitled to resuscitate his application. In none of the cases have I found that after the statutory time for renewal had expired was an applicant permitted to again file any kind of application whatsoever giving him the benefit of an earlier date. This rule was positively announced in *Weston Electrical Instrument Co. v. Empire Elec-*

trical Instrument C., 136 F. 599; and in *Barrett v. Hart*, 1918 C. D. 62, 256 O. G. 224.

Assuming for the sake of discussion that the decision in the Godfrey case was based on a set of facts similar to those in the Febrey case, I would point out that subsequent to the decision in the former case rule 78, substantially as it appears today, was made by the Commissioner in 1879, under authority of law given him by section 19 of the act of July 8, 1870, 16 Stat. L. 200. That rule has the force and effect of law and therefore superseded the law of the Godfrey case insofar as it would have permitted Godfrey to file a continuation application after his case had been allowed.

All continuations broadly are to be considered amendments of a former application. All changes in either specification or claims do nothing more than enlarge or restrict the scope of the prior application, and as such amend it.

The right to file a continuation after the allowance of the original application must be based either on the right to amend the original or on the right to renew the original.

Rule 78 specifically states that amendments will not be permitted in the original application as a matter of right after the notice of allowance. Although the specific point has never been decided, that prohibition is broad enough to forbid the filing of a continuation application as a matter of right after the notice of allowance in the original.

It has been decided, in the Weston Electrical Instrument case and in the Barrett case, both supra, that any application, filed after the right to renew the original application had expired, could not be given the benefit of the filing date of the original. The latter case was in effect a holding that the right to file a continuation after the notice of allowance had issued in the original was dependent upon the right to renew the original.

That was the situation which confronted Congress at the time it was dealing with the repeal of section 4897. On the one hand it had the provisions of rule 78, which are broad enough to forbid the filing of a continuation after allowance of the original, and on the other hand it had a decision of the Second Circuit Court of Appeals, the Weston Electrical Instrument case supra, and a decision of the Commissioner of Patents, the Barrett case supra, that the right to file a renewal or a continuation, after the allowance of the original, expired after the right to renew the original expired. Relying upon those facts Congress had the right to assume that the repeal of the renewal statute would abolish the filing of all continuations after the notice of allowance had been mailed in the original.

When Congress repealed section 4897 it clearly had in mind the great necessity of prompt and persistent prosecution of applications through to patent. It is interesting to note that the repealer was one of a series of five bills designed to expedite the issuance of patents. They were introduced in the House of Representatives on the same day, reported from the Committee on Patents on two successive days,

passed by the House of Representatives on the same day, reported by the Senate Committee on Patents the same day, passed by that body on the same day, and signed within four days of each other.

One of those acts reduced the time within which an applicant must file his application before the statutory bars operate to forbid the issuance of a patent on the invention from two years to one, 53 Stat. L. 212, chap. 450. The Senate Committee Report (76th Congress, 1st Session, Report No. 876) states:

In 1839, when the period of 2 years was first adopted, it may have been a proper length of time for an inventor to make up his mind whether or not to file an application for patent. Under present conditions 2 years appears unduly long and operates as an handicap to industry. Reduction of the period would serve to bring the date of patenting closer to the time when the invention is made, and would expedite applications, not only in their filing but also in their progress through the Patent Office.

The second act abolished the appeal from the Examiner of Interferences to the Board of Appeals and substituted original and final determination of interferences in the Patent Office by a Board of Interference Examiners. The Senate Committee Report (76th Congress, 1st Session, Report No. 877) states: "The purpose of this bill is to shorten and simplify interference contests in the Patent Office by eliminating one of the two or more appeals now permitted."

The third act provided that an applicant wishing to copy the claims of an issued patent for the purpose of interference must do so within one year of the date the patent was granted. The Senate Committee Report (76th Congress, 1st Session, Report No. 880) states: "The purpose of this bill is to curtail the time within which an interference with an issued patent may be instituted."

The fourth act authorized the Commissioner to require a response to an office action in less than the statutory period of six months under certain circumstances. The Senate Committee Report (76th Congress, 1st Session, Report No. 879) states:

This is a bill to give the Commissioner of Patents authority to set times within which replies to communications from the Patent Office must be made by applicants for patents.

Under the present law, an applicant for patent is allowed 6 months within which to reply to any action taken by the Patent Office, regardless of the nature of the action or of the condition of the application and the running of the period is beyond the control of the Patent Office. If the Patent Office writes a letter requiring, for example, a simple correction to the drawing or some other small correction, the applicant need not reply for 6 months. The response by the applicant may introduce other matters requiring another letter, and another 6 months for reply, and so on. The work of the Patent Office could be expedited considerably, to the benefit of the public, if the Commissioner of Patents had the power to fix a period of less than 6 months in cases requiring a shorter time; for example, in cases which have been pending a long time, in cases which interfere with each other, in cases requiring only minor corrections, and the like.

Finally, the act of August 9, 1939, 53 Stat. L. 1293, abolished the renewal statute but amended section 4885 to authorize the Commissioner in his discretion to accept the final fee if paid within one year after the application became forfeited. The Senate Committee Report on that act (76th Congress, 1st Session, Report No. 878) states:

The original intent of this [renewal] procedure was to provide for issuing the patent when the time for payment of the final fee has been permitted to lapse through

accident or unavoidable delay. Considered as a means for permitting the payment of a fee after it first falls due, the procedure is remarkably involved. It readily permits the deliberate postponement of the issuance of a patent and is resorted to mainly for this purpose, since additional matters may be deliberately introduced to cause further delays in reexaminations.

The proposed change eliminates renewals, consequently simplifying the practice and abolishing causes and opportunities for delays. In place thereof the bill provides simply that the fee may be accepted late, and the patent issued, in the discretion of the Commissioner, upon the payment of a small additional fee. The original intent of the statute is preserved and the procedure simplified, yet at the same time the opportunities for abuse are removed. Earlier issuance of the patent is assured by this bill which merely forecloses opportunities for deliberate delay. [Italics mine.]

There can be no doubt therefore that Congress was entirely concerned with the expeditious patenting of inventions so that the 17 year period would begin to run without unreasonable delay. Under the well-known rule of statutory construction, that statutes in pari materia must be construed together, *United States v. Stewart*, 311 U. S. 60, I think it is proper to consider all of those acts in seeking the intent of Congress, and when so considered I am led to the definite conclusion that Congress intended nothing less in the repeal of section 4897 than to render it impossible for applicants to prosecute their applications in the Patent Office indefinitely.

I am of the opinion that the decision of the Commissioner of Patents in *In re Application Filed July 10, 1940*, 1941 C. D. 12, 49 USPQ 566, 526 O. G. 857, decided May 5, 1941, gives a correct exposition of the application of the patent laws with respect to continuations subsequent to the repeal of the renewal statute.

It may be argued that the overruling of the Febrey case will do away with a long-continued practice of the Patent Office in permitting continuation applications to be filed subsequent to allowance of the original. I do not think this argument is of any substance.

Under the doctrine of the Febrey case an applicant is permitted to keep his application alive indefinitely without there being any time limitation such as was provided in section 4897. This clearly nullifies the effect of that repeal, and in fact gives much greater opportunity to continue over an indefinite period the life of the application, thereby unconscionably delaying the monopoly period, and defeating the expressed purpose of Congress. As pointed out in the brief of the Solicitor in the Febrey case, the affirming of the Board of Appeals there might "require more careful preparation of applications and more careful prosecution thereof, but that is all."

It may be further noted that the repeal of section 4897 R. S. does not preclude an applicant from filing a second application for the same invention if the invention has not been disclosed by public use or publication or foreign patenting more than one year prior to the second application.

The situation in which Febrey found himself was undoubtedly unfortunate, but was not occasioned by any statute or rule of the Patent Office. If it had been necessary there for the applicant to protect his invention, it seems to me that the reason for

such protection would have been apparent in the exercise of proper attention and diligence during the prosecution of the case before allowance. It might well be that an applicant, by following the same course as was pursued in the Febrey case, could keep a "sleeper" alive indefinitely, and thus unduly delay the patent monopoly.

For the reasons above stated, I am of opinion that the decision in the Febrey case should be overruled.

Appellee contends that his second application is proper in that it is a continuation-in-part of his earlier application by reason of the Commissioner's ruling prior to the Febrey decision, referring to *In re Application Filed April 17, 1940*, 1941 C. D. 14, 51 USPQ 80, 531 O. G. 3, decided July 16, 1941. I cannot agree with the doctrine there announced. The formal allowance of an application by the Patent Office is a holding by it that the patent which is granted on it is valid. Consequently a continuation-in-part is as much of a device for delaying the issuance of a patent as is a continuation, and in my opinion both are subject to the same rule. Proper attention given to the drafting of specifications and claims in an application by reasonably diligent and skillful counsel would certainly reveal to him before allowance the scope of the necessary protection. That certainly must be considered as particularly true where organizations such as the assignees here, and also the assignee in the Febrey case, may be deemed to take to themselves every possible advantage of patentable improvements in their business. The patent of the appellants here is assigned to the Westinghouse Electric and Manufacturing Company, and the application of appellee to the General Electric Company.

I am of the opinion that the decision of the Board of Interference Examiners should be reversed, and priority of invention should be awarded to appellants.

O'CONNELL, J. (dissenting):

Appellants prosecute this appeal on the theory that the decision of this Court in *In re Febrey*, supra, was an erroneous decision which must be overruled together with the decision of the Board of Interference Examiners herein based on the citation of the Febrey case.

In sweeping aside the rules of the Patent Office as not applicable to the amendment of a pending application by the filing of a continuing application, the court in the instant case perpetuates the doctrine of the Febrey case.

We cannot shut our eyes to the consequence of the decision in the Febrey case which was to nullify the substantial benefits to the public by reason of the repeal of section 4897, supra, and its replacement by a simplified procedure, which was brought about on the recommendation made by the Commissioner of Patents when he was called upon by the Temporary National Economic Committee for suggestions to improve the patent laws. The plan

also had the approval of the Department of Commerce, the Patent Office Advisory Committee to the Secretary of Commerce, and the indorsement of patent-law and other organizations. Report of the Senate Committee, 76th Congress, First Session, No. 878.

The question of law in this case relates to the right of the party Hayward to have his second application, which is involved in the interference, treated as a continuation of the proceeding instituted by the filing of his first application which was allowed, but not forfeited, before his second application was filed.

The court in reaching its decision is called upon to determine the procedure under the Rules of Practice in the United States Patent Office relative to the filing of a continuing application after notice of allowance and to decide what change, if any, was effected in such procedure by the repeal of section 4897 and the amendment of section 4885 of the Revised Statutes.

Without recourse to a retrospective analysis of the Patent Laws, it may be observed, in general, that in making an application for a patent, an inventor is required to file a written description of his invention in such full, clear, concise, and exact terms as to enable not only a person skilled in the art to make use of the invention; but also to enable the personnel of the Patent Office and others to distinguish the invention from other inventions. Sec. 4888, R. S. (U. S. C. title 35, sec. 33).

After a person has filed such an application, he may either persist in its prosecution and obtain a patent; or he may abandon the application, actually or constructively, in which event no patent will issue. In persisting in its prosecution, an applicant may be required to amend his application either to correct a mistake in the application, or to avoid interference with other inventions. This amendment may be effected by a line and page correction of the papers themselves; or it may be effected by the process of filing a second, or substituted, application for the same invention. In effecting the amendment by either process, with diligence, the filing date of the original unabandoned application is continued and preserved.

The second, or substituted, application, used by an applicant in effecting the amendment of his pending application, was given no name in the text of the Patent Laws; but in the infancy of the procedure of the Patent Office, it was christened, in effect, by a decision of the Supreme Court of the United States, and has been known and employed from that day to this as a "Continuing" application. See, *Godfrey v. Eames*, 68 U. S. 317; *Ex parte Hall*, 1920 C. D. 56, 277 O. G. 395; *In re Roberts*, 49 App. D. C. 250, 263 Fed. 646, 273 O. G. 410; *In re Application Filed April 17, 1940*, 51 USPQ 80, 531 O. G. 3.

The right to amend and prosecute a pending application after notice of allowance is indirectly authorized under the collective provisions of sections 4885, 4886 and 4888 of the Revised Statutes (U. S. C. title 35 secs. 41, 31, and 33) and under the respec-

tive provisions of rules 78 and 165 of the Rules of Practice in the United States Patent Office. Such rules are made by the Commissioner of Patents for the conduct of proceedings in the Patent Office under the authority conferred upon him by section 483, R. S. (U. S. C. title 35, sec. 39), and, unless it is disclosed that the involved rules are inconsistent with the statutes from which they are derived, they must be observed because they have the force and operation of law. *Broadwell v. Long*, 36 App. D. C. 418, 164 O. G. 252. For example, under rule 68, supra, this court has sustained the Commissioner of Patents in rejecting an amendment of an application for failure on the part of an applicant to show a good and sufficient reason why such amendment was not earlier presented. *In re Wait*, 22 C. C. P. A. (Patents) 822, 73 F.(2d) 982, 24 USPQ 88, 453 O. G. 730.

Under rule 78, supra, an amendment after notice of allowance may be made, if the specification has not been printed, by an applicant without withdrawing the application from issue to correct a mistake in the application which does not require a new examination of the application on its merits. See, *Ex parte Goldsmith and Whiting*, 1912 C. D. 350, 184 O. G. 553; *Ex parte Stone*, 1902 C. D. 484, 435, 101 O. G. 2080. If the amendment requires such an examination, however, it cannot be made unless the application is withdrawn from issue under the provisions of rule 165, supra. See, *Ex parte Bryant*, 1902 C. D. 334, 336, 100 O. G. 2773; *Ex parte Meyer*, 1907 C. D. 289, 290, 130 O. G. 1689. In either event, an amendment after notice of allowance will not be permitted as a matter of right, but may be made only by an order of the Commissioner of Patents based upon a proper showing of good and sufficient reasons for the exercise of his supervisory authority.

For example, "It sometimes occurs that public use has intervened, or some other circumstances which render it practically impossible for an applicant to successfully prosecute a new application, and whenever this fact appears the Office with equal uniformity allows the application to be withdrawn from issue and amended. In the present case there was no such showing, and the Commissioner had nothing before him which would justify a departure from well-established practice." *Ex parte Page*, 1888 C. D. 63, 64, 43 O. G. 1455.

In the case of *Ex parte Rabsiler*, 1911 C. D. 126, 127, the Commissioner of Patents held:

It is well settled that an application will not be withdrawn from issue for the purpose of further prosecuting the same in the absence of a showing that some error has been committed upon the part of the Office or that the failure to present a case in proper form was due to mistake upon the part of the applicant or his attorney and that due diligence has been used in discovering such mistake (and correcting it).

An applicant for a patent shall pay the final fee not later than six months after notice of allowance; and if the final fee is not paid within that period, the patent shall be withheld and forfeited under the provisions of section 4885, supra, and rule 174 of the Rules of Practice in the United States Patent Office.

Section 4897 expressly authorized the filing of a renewal application, as a matter of right, to restore a forfeited application to the status of an original application; provided that the renewal application was filed within six months after forfeiture of the original application. The clear intent of Congress as expressed in the statute and in its legislative history was to provide a remedy for an inventor whose application was permitted to lapse and become forfeited through accident or unavoidable delay.

In other words, a continuing application was the proper procedure to be employed to amend a pending application after notice of allowance which required a new examination of the application on the merits; while a renewal application, or petition, was the proper procedure to be employed to renew a forfeited application. This distinctive use of the respective applications was employed and enforced under the Rules of Practice in the United States Patent Office. See *Ex parte Manny*, 1888 C. D. 106, 44 O. G. 700; *Ex parte Schultz*, 1904 C. D. 368, 111 O. G. 2494; *Ex parte Nicholson*, 1890 C. D. 112, 52 O. G. 310; *Ex parte Meyer*, supra.

In 1925, however, the Commissioner of Patents diverted the intent and operation of the law by holding that section 4897 was a remedial statute which did not prohibit any person therein specified from waiving the limitation of time provided for in section 4885, supra, for payment of the final fee; and that any such person had a right any time after the notice of allowance, and prior to forfeiture, to file a renewal application to amend a pending application. *Ex parte Buehler*, 1925 C. D. 24, 333 O. G. 261. To carry the decision into effect, the Commissioner amended rule 175 of the Rules of Practice in the United States Patent Office to provide that a renewal application could be filed "any time after the case is allowed and such renewal will be taken as a waiver of the right to pay the final fee." Order No. 2,911, 335 O. G. 5. However, in amending rule 175, the Commissioner of Patents did not abolish or amend rules 78 and 165, supra, which authorize the employment of a continuing application to amend a pending application after notice of allowance.

As a result of the decision in the Buehler case and the amendment of rule 175, the use of the renewal application and the continuing application were co-existing remedies for the amendment of a pending application after notice of allowance. This procedure reversed the policy of the Patent Office which had been in existence for many years, and was one of the sources of the evil which led to the repeal of section 4897. The root of the evil lay in the practice of filing a renewal application, as a matter of right, which, in effect, unjustly deferred and prolonged the time for the issuance of a patent.

How the Patent Office and public were imposed upon through the medium of the renewal application is described by the Commissioner of Patents in these terms:

Amendments are delayed in many instances until the end of the period allowed by law, and when applications are passed for issue they frequently are forfeited and renewed with further amendment and their slow prosecution is resumed.

Such a condition constitutes an abuse of the latitude and leniency of the law, a drag upon and a menace to the progress of the art.

The only possible relief from conditions which have become intolerable is to force an application to patent or abandonment whenever an opportunity presents itself. The petition (for withdrawal from issue) is denied. *Ex parte Dyson*, 1916 C. D. 91, 93.

While the legislation was pending before Congress, the Commissioner of Patents made the following statement and recommendation regarding the correction of the "intolerable" conditions in his office:

The historic warrant for the renewal procedure was the purpose of affording relief to an applicant who was unable to pay the final fee when this became due. But it is now used frequently by corporations which are quite able to pay the final fee but which resort to the procedure as a device for continuing the prosecution of their cases. As a safeguard for an inventor who is financially unable to pay the final fee within the statutory period, I propose that the Commissioner of Patents, upon proper showing, have authority to receive payment of it at a later date. Investigation of Concentration of Economic Power and Hearings before the Temporary National Economic Committee, Part 3, page 862.

The purpose of Congress in repealing section 4897 was outlined explicitly in the following brief report by Mr. Danaher, of the Committee on Patents of the United States Senate:

The Committee on Patents, to whom was referred the bill (H. R. 6874) to repeal section 4897 of the Revised Statutes (U. S. C. title 35, sec. 33), and amend sections 4885 and 4934 of the Revised Statutes (U. S. C. title 35, secs. 41 and 78), having considered the same, report favorably thereon with amendments and recommend that the bill as amended to pass.

Under the present law, two fees are required in obtaining a patent; a fee when an application for patent is filed in the Patent Office, and a fee for issuing the patent when the application has been examined and found allowable (called the final fee). The purpose of the pending measure is to simplify considerably the procedure in the payment of the second, or final, fee.

When an application has been examined and found allowable a notice is sent to the applicant, and the final fee of \$30 is due within 6 months. If the fee is not paid within this time, the patent is withheld. However, within a further 6 months, a so-called renewal application with a filing fee of \$50, may be filed. (The original papers may be used, however.) This renewal, if additional matters have been introduced, must be reexamined and the prosecution before the Patent Office started all over again. A second notice of allowance is sent when the renewal application is found ready for issue, and the final fee of \$30 is due within 6 months after this second notice.

The original intent of this procedure was to provide for issuing the patent when the time for payment of the final fee has been permitted to lapse through accident or unavoidable delay. Considered as a means for permitting the payment of a fee after it first falls due, the procedure is remarkably involved. It readily permits the deliberate postponement of the issuance of a patent and is resorted to mainly for this purpose, since additional matters may be deliberately introduced to cause further delays in re-examinations.

The proposed change eliminates renewals, consequently simplifying the practice and abolishing causes and opportunities for delays. In place thereof the bill provides simply that the fee may be accepted late, and the patent issued, in the discretion of the Commissioner, upon the payment of a small additional fee. The original intent of the statute is preserved and the procedure simplified, yet at the same time the opportunities for abuse are removed.

Earlier issuance of the patent is secured by this bill which merely forecloses opportunities for deliberate delay. The simplification of the procedure is shown by the following tabulation: (Tabulation omitted, the procedure recommended having been enacted in the present statutes) Report of the Senate Committee, supra.

The law as to continuing applications, as hereinbefore stated, was established by the decision of the Supreme Court of the United States in *Godfrey v. Eames*, supra, decided in 1863, prior to the enactment of section 4897, and, as pointed out in the decision of *Detroit Iron & Steel Co. v. Carey*, 236

Fed. 924, 925, "The rule previous to the statute [sec. 4897] was well settled that, where an application has not been abandoned, subsequent applications and amendments constitute merely a continuance of the original proceeding."

Congress, the Commissioner of Patents, and the leaders of the Patent Bar who participated in effecting a repeal of section 4897 may be presumed to have known of the respective use and existence of both the continuing and renewal applications, and it may be gathered from the foregoing citations that in the repeal of section 4897, Congress abolished the renewal application, but it did not abolish the continuing application. Furthermore, if it be assumed, as the decisions from time to time held, that a continuing application was involved in effecting the continuity of a renewal application, then it is obvious that in the repeal of section 4897, Congress abolished, not the use of a continuing application, but its abuse.

For the reasons hereinbefore stated, it is my opinion that no change in the procedure of the Patent Office relative to the use of a continuing application was effected by the repeal of section 4897 and the amendment of section 4885 of the Revised Statutes. Such procedure is that after allowance, no amendment may be filed as a matter of right; nor will the Examiner have jurisdiction over the application unless by an order of the Commissioner of Patents based upon a showing of good and sufficient reasons for the exercise of his supervisory authority.

Recourse to the record on appeal in the Febrey case discloses that the original application was filed September 28, 1938, and allowed June 20, 1940. On January 19, 1941, Febrey filed a second application for the purpose of amending and continuing the prosecution of his original application. At that time, all but a few days of the six-months period allowed for payment of the final fee after notice of allowance had expired; and more than two years and three months had then expired from the date upon which the original application had been filed.

The decision of the Examiner and the concurring decision of the Board of Appeals held in effect that the claims of Febrey's second application could have been made in the first application and that the device described in the second application was substantially the same as the device described in the allowed claims of the original application. The Board further held that a continuing application, such as Febrey's second application, was abolished by the repeal of section 4897, and that the claims of such application were barred by public use and sale. For the reasons stated, Febrey's second application was rejected by the Patent Office.

This court in a unanimous decision reversed the action of the Board of Appeals and held that the repeal of section 4897 did not affect the right of an applicant to amend and continue the prosecution of an original application by means of a continuing application. With this conclusion, I agree. This court erroneously held in effect, however, that

Febrey could file a continuing application as a matter of right.

In order that the two applications involved in a continuing application may constitute one continuous proceeding under the law, the second application must contain the same invention that is disclosed in the original application. See, *Globe Nail Co. v. Superior Nail Co.*, 27 Fed. 450. The mere fact that the two applications disclose the same invention, however, does not of itself confer the right to amend a pending application. Where the claims of the original application have been allowed and the claims of the second application are the same in effect as the claims that have been allowed and for which a patent is authorized to issue upon payment of the final fee, the right to file the second application will be denied for the reason that it does not constitute an amendment of the original application. Under these circumstances, the applicant is continuously applying for a patent which he has been previously allowed. In other words, the second application cannot be considered as a continuation of the original application because the claims of the second application have been previously allowed and there is nothing to be continued. See, *In re Application Filed April 17, 1940*, supra.

In the language of the decision in the case of *In re Roberts*, supra, "It is perhaps unnecessary to add that a party who seeks to correct his own mistake must act with reasonable diligence, and also must assume the burden of establishing his good faith." In establishing the law as to continuing applications, the Supreme Court of the United States in *Godfrey v. Eames*, supra, stated, "Both specifications are before us, and it is our duty to construe them."

The question of Febrey's diligence in discovering and correcting the mistake in his original application and the question of whether or not the subject matter contained in the claims of the second application constituted a bona fide amendment of the original application were not considered by this court. It was the duty of the court to do so.

For the reasons stated, it is my opinion that the decision in the Febrey case was erroneous and should be overruled.

In the case at bar, appellee, in filing his second application on June 6, 1940, which effected a resumption of the prosecution of his original application, filed December 9, 1937, two and one-half years before, offered no reason whatever why the claims embraced in his second application were not presented in his original application. As pointed out by appellants, so far as the record shows, Hayward's added improvement in his second application may have been in Hayward's possession since before he filed his first application, and was omitted for reasons best known to himself; or it may have been an improvement conceived as an afterthought, such as either he or anyone else could have made after the filing of his original application.

Moreover, so far as the issue of the present interference is concerned, the party Hayward has stated

that the additional subject matter contained in the broader claims of his second application covers subject matter that is patentable over the subject matter disclosed in his original application.

Under rule 165, supra, the time for amendment, as a matter of right, expires with the allowance of the application, and therefore Hayward's second application falls squarely within the law enunciated by the Commissioner of Patents:

No reasons whatever were given, when the first amendment (after allowance) was presented, why the same could not have been presented before the case was passed to allowance, and therefore there was at that time no reason for withdrawing the case from issue. *Ex parte Orndoff*, 1909. C. D. 48, 49, 140 O. G. 1001.

See also, *Ex parte Stuart*, 1904 C. D. 484, 486, 113 O. G. 850.

For the reasons assigned, the decision of the Board of Interference Examiners should be reversed.

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1,758,315, 1,793,690, F. Girardi, Gear change mechanism for automotive vehicles; 1,992,419, same, Speed change gear set operating mechanism; 2,231,740, J. J. Wharam, Transmission shifting device, filed Aug. 27, 1945, D. C., N. D. Ill., E. Div., Doc. 45c1426, *S. Cipulla et al. v. Ford Motor Co. et al.*

1,793,690. (See 1,758,315.) 1,890,009. (See 2,071,149.)
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Des. 122,563, S. Wolf, Slip, filed Aug. 27, 1945, D. C., S. D. N. Y., Doc. 32/617, *S. Wolf v. Roth Silk Undergarment Co., Inc.*

T. M. 129,827, Philadelphia Storage Battery Co., Batteries, battery plates, etc.; T. M. 178,335, same, Electrolytes; T. M. 252,655, same, Radio receiving sets and radio speakers; T. M. 400,943, Philco Corp., Battery parts and supplies; T. M. 401,240, same, Voltmeters, condenser testers, etc., filed Aug. 9, 1945, D. C., N. D. Ill., E. Div., Doc. 45c1343, *Philco Corp. v. John Filko et al.*

T. M. 156,597, Ludwig & Ludwig, Drums, drummer's traps, bells, tom toms, etc., D. C., N. D. Ill., E. Div., Doc. 2498, *C. G. Conn, Ltd., et al. v. W. F. Ludwig et al.* Complaint and counterclaim dismissed by stipulation without prejudice Aug. 13, 1945.

T. M. 178,335. (See T. M. 129,827.)

T. M. 252,655. (See T. M. 129,827.)

T. M. 380,382, Babs Creation, Inc., Perfumes, face powder, lipsticks, etc., filed Aug. 23, 1945, D. C., N. D. Ill., E. Div., Doc. 45c1415, *Babs Creations v. Kay Daumit et al.*

T. M. 400,943. (See T. M. 129,827.)

T. M. 401,240. (See T. M. 129,827.)

Register of Patents Available for Licensing or Sale

Pat. 2,379,808. AUTOMATIC TRANSMISSION. Patented July 3, 1945. Planetary gear transmission for automatically shifting gears without the use of fluid means. Assures complete speed changes despite any car lag in the interval between the release of one speed means and engagement of another. Provides a plurality of planetary gear units that afford a plurality of speeds when these gears function with their brake bands set and a direct drive and additional speed when bands are free. Has over-running clutch means for connecting propeller shaft with engine shaft when descending a grade. (Owner) Clive W. Lanphere, 979 Summit Ave., New York 52, N. Y. Group 38—11—31. Reg. No. 422.

Pat. 2,335,060. ELECTROFORMING METHOD OF PRODUCING TUYERES. Patented Nov. 23, 1943. Conventional apparatus is utilized in connection with method. Cathode of apparatus made in form of a thin hollow shell with closed bottom and open top is rigidly submerged in container filled with solution containing metal of which tuyere is to be formed. Circular anode is loosely telescoped inside cathode leaving sufficient space between the side walls for thickness of tuyere. Anode is continuously rotated in shell until tuyere is completely formed and thereafter tuyere is removed. Produces tuyeres with walls of uniform thickness throughout having smooth inside surfaces and superior in many ways to cast tuyeres. Can be made of any metal or metal alloy that can be deposited by electrolytic deposition. (Owner) Sadie A. Harris, Forest at B. & O. Railroad, % Warren Welding Co., Warren, Ohio. Groups 33—11—12—93; 34—72. Reg. No. 423.

Pat. 2,144,922. **WORLD TIME CLOCK.** Patented Jan. 24, 1939. Thin, flat, oblong device includes rotating disks with hour indicating numerals thereon, world maps, time meridians and minute and second hands. Conventional clockwork mechanism to operate and regulate device is combined therewith. Time of night or day will be indicated at a glance without computing same in all principal world time zones. Provides means for emphasizing time in any zone by directing light thereon. Device may be used on mantels, radios, airplanes, automobiles, etc. (Owner) Viding O. Jacobs, Bensenville, Ill. Groups 34—51—99; 35—65. Reg. No. 424.

Pat. 2,178,872. **GOLF CLUB ATTACHMENT AND MARKER.** Patented Nov. 7, 1939. Device having retaining means for carrying a removable marker which is used to mark the identical position of a ball removed from putting green in case of a stymie. When device carries bowed spring as the marker retaining means it is adapted to fit around end of shaft; but when modified to include magnet as the marker retaining means it is fastened by a screw. Marker can be easily withdrawn by placing thumb on marker and pressing outwardly. (Owner) Carl J. Engstrom, 106 Belden St., Michigan City, Ind. Groups 34—99; 39—49—81. Reg. No. 425.

Pat. 2,151,617. **FIXED DIMENSION GAUGE.** Patented Mar. 21, 1939. A series of gauges for checking clearances between parallel surfaces. Gauges may be made in combination. It is formed of a fixed closed loop of wire attached to a handle. Especially developed for adjusting breaker points on distributors, but is of general application. Inventor claims his instrument gives true "touch" not possible with a blade gauge. (Owner) Norton L. Richards, Chicago, Ill. Address all correspondence to J. B. Lindecker, 1200 Fullerton Ave., Chicago 14, Ill. Groups 33—41; 34—41; 35—43—65. Reg. No. 426.

Pat. 2,263,784. **OPERATING UNIT FOR ADJUSTABLE BED-FRAMES.** Patented Nov. 25, 1941. Mainly for use in hospitals. Bed has adjustable frame whereby head and knee portions can be lowered or raised by means of hydraulically operated pistons attached to motor on bedframe. Can be actuated by patient through a control panel installed on frame. Inventor claims frame of bed is not unduly vibrated as motor and sump are suspended by springs. (Co-owners) James Lloyd Peterson, 182 E. First North, Preston, Idaho, and Henry Peterson, 647 Canyon Road, Logan, Utah. Groups 25—14—19—32; 35—36; 39—16. Reg. No. 427.

Pat. 2,010,364. **CONVERTER.** Patented Aug. 6, 1935. A synchronous commutator device which modulates and interrupts commercial frequency alternating currents. Primarily a frequency changer to raise frequency from 60 to 120 cycles, and to lower frequency from 60 to 30 and 15 cycles, as may be desired. Its principal use was found to be control of resistance seam welders. Commercial test data available from inventor. Inventor states equal to and simpler than the presently used electronic equipments. Has been fully tested out on commercial production lines in fabricating plants. (Owner) Fielder I. Hiss, 327 Second St., N. E., Washington 2, D. C. Group 36—19. Reg. No. 428.

Pat. 2,169,343. **WINDOW CONSTRUCTION.** Patented Aug. 15, 1939. Window may be used as double hung or as a center hung sash. Pin in sash fits in grooves in frame and permits of various adjustments. Runways or slides are rubber-lined to eliminate rattle, draught, etc. Sash is easily removable from inside, but burglarproof from outside. No weights are needed. Storage pocket is provided at bottom of unit to house sash or screen (which is part of structure) when not in use. May be fabricated from light metal, plastic, or other material. (Owner) Gustav A. E. Kaul, 275 Union St., Hackensack, N. J. Groups 24—31; 25—61; 33—83; 39—81. Reg. No. 429.

Pat. 2,280,583. **MATCH-BOOK PACKAGE.** Patented June 16, 1942. Pocket match book folded in such a way as to provide an inside auxiliary cover which acts as a flame guard, part of which serves as a striking surface adjacent to edge of slot which acts as match guide. Extra cover provides against undue moisture due to perspiration. Inventor claims hazard of all matches lighting at once is eliminated. (Owner) William C. Gartelman, Chicago, Ill. Address all correspondence to J. B. Lindecker, 1200 Fullerton Ave., Chicago, Ill. Groups 25—93; 26—27; 34—99; 39—93. Reg. No. 430.

Pat. 2,333,669. **MEAT GRINDER.** Patented Nov. 9, 1943. Self-feeding magazine type of meat grinder; unit is enclosed to prevent entrance of dust, insects, etc.; has a refrigeration unit with coils built in base to maintain contents in sanitary condition. Automatically dispenses a predetermined amount of ground meat at intervals as desired. (Owner) Curtis O. Ness, 2150 S. Ogden, Denver 10, Colo. Groups 20—13; 35—51—84. Reg. No. 431.

Pat. 1,858,371. **GOLD LEAF LAYING DEVICE.** Patented May 17, 1932. Reg. No. 432.

Pat. 1,929,894. **GOLD LEAF LAYING DEVICE.** Patented Oct. 10, 1933. Reg. No. 433.

These two patents relate to a device comprising an annular casing with hinged cover, a portion of side wall of casing being cut away. Has a roller which functions merely as anti-friction guide positioned outside casing and mounted near cut away portion. Spring holds roll taut and prevents unwinding except when desired. Gold leaf is applied by gentle contact with muscled surface without any rolling and is not necessary to wait until muscled surface has dried before applying. In latter patent device is made adjustable to receive rolls of varying sizes. Indicia is placed on casing so that device can be accurately set beforehand to receive rolls of different size. (Owner) William S. Lutz, 4717 Westfield Ave., Pennsauken, N. J. Groups 33—52; 34—93.

Pat. 2,350,096. **FORAGE DRYING METHOD.** Patented May 30, 1944. Method of drying forage uniformly, both foliage and stems of various sizes. Method insures uniform drying by combing forage to reduce knots and snarls. Forage is then passed to upper side of endless belt, where it is arranged in successive mats of equal thickness and density. The belt passes these mats through a chamber of heated gas which passes through mats of fodder, thereby uniformly removing moisture from both foliage and stems. In forming the mats the stems are lacerated, thereby allowing moisture content to be exposed to the action of hot gas. This method of lacerating the stems makes possible the equal drying of the whole mass. (Owner) Forrest S. Chilton, 152 West 42d St., New York, N. Y. Group 35—22—91. Reg. No. 434.

Pat. 2,347,664. **FODDER TREATING MEANS.** Patented May 2, 1944. Machine for aiding the quick curing of fodder by multi-tapping the stems after topping. Crushing is obviated by pulling stems through spaces between pins on a pin bar of machine and rows of fingers similar to the pins, carried on a rotating drum. Fingers and pins have V-shaped threads to assure shallow cuts and bruises, thus the sap is brought to the surface allowing rapid vaporizing of the water and not affecting the vitamin and enzyme content. (Owner) Forrest S. Chilton, 152 W. 42d St., New York, N. Y. Group 35—22—51. Reg. No. 435.

Pat. 2,348,183. **FODDER TREATING METHOD.** Patented May 2, 1944. Method hastens fodder curing in the field and seals in the food, vitamin, and enzyme elements. After topping the stalks are multi-tapped and left uncured, thereby facilitating the escape of vaporized water in the sap without damage to the vitamin and enzyme content. (Owner) Forrest S. Chilton, 152 W. 42d St., New York, N. Y. Group 35—22—51. Reg. No. 436.

Pat. 2,322,499. **AUXILIARY BRAKE OPERATOR FOR VEHICLES.** Patented June 22, 1943. Provision for auxiliary brakes which can be operated by any of the passengers in event of an emergency where the driver is unable to apply brake. Operated by cables on pullies attached to a brake of usual construction. An emergency pull knob is provided on the dashboard so that it may be operated by the person seated beside the driver with an additional pull knob on the back of the front seat used in same manner by person seated in rear. (Owner) William N. Andrews, 249 Midwood St., Brooklyn, N. Y. Groups 33—59; 38—31. Reg. No. 437.

Pat. 2,330,531. **MEANS FOR IDENTIFYING DOCUMENTS.** Patented Sept. 28, 1943. Paper substantially intended for adaption to printed legal forms or documents. Has chemically treated portions to which signatures and fingerprints are to be affixed. After signatures and fingerprints have been affixed they are further sprayed. If any erasure or change is attempted by use of a neutralizing agent paper will change color. Inventor claims falsification of wills or other legal documents impossible. (Owner) Adolph F. von Soden, 1005 James Oviatt Bldg., 617 S. Olive St., Los Angeles 14, Calif. Groups 26—39; 35—79. Reg. No. 438.

Pat. 2,370,382. **REJUVENATING AND RE-INKING RIBBONS FOR TYPEWRITERS AND THE LIKE.** Patented Feb. 27, 1945. A device which re-inks typewriter ribbons without removing same from machine. A housing containing an inking cartridge is held by gripping members against surface of ribbon thus re-inking itself by constant passage from spool to spool. Cartridge and housing member are renewable. (Owner) Adolph F. von Soden, 1005 James Oviatt Bldg., 617 S. Olive St., Los Angeles 14, Calif. Groups 35—72; 39—55. Reg. No. 439.

Pat. 1,887,414. **SHEET GLASS DRAWING APPARATUS.** Patented Nov. 8, 1932. Apparatus consisting of a vat containing molten glass, an annealing chamber above, over which a means of polishing is positioned. Glass is drawn vertically from a reservoir by means of a bait which is later broken loose and glass is conveyed upward through cooling rollers and coated with soot by means of wood blocks held resiliently against the hot glass as well as by other means. It is then passed through the annealing chamber by a plurality of caterpillar conveyor belts and later passed through polishing rollers. Through a plurality of baits and conveyor belts, which may be operated independently, inventor claims sheets of different thicknesses may be drawn in a single operation. (Owner) Edmond L. Le Roy, 64 Linden Ave., Park Ridge, N. J. Groups 32—11—29; 35—39. Reg. No. 440.

Pat. 2,365,213. **STRIPPING MACHINE.** Patented Dec. 19, 1944. (Granted under the act of March 3, 1889, as amended April 30, 1928; 870 O. G. 757.) Machine operates on the principle that the sheet material will tear in a straight line. By means of an arrangement whereby roll of material, such as sanding cloth, is rotatably supported above two horizontal spindles with an idler roller mounted midway, and suitable gear connection between, a short cut or tear is started in the cloth, by handturning a crank the sheet is divided into desired widths. The two horizontal spindles hold spools on which the sanding cloth is to be wound. The strips are led around the idler and secured to spools on the upper and lower spindle. Due to large angular displacement between strips the cloth is easily separated by tearing. (Owner) Bernard M. Packtor, 10 Lockwood Ave., Stamford, Conn. Groups 32—91; 35—52—53. Reg. No. 441.

Pat. 2,304,615. **TUBULAR KNOCKDOWN CONTAINERS.** Patented Dec. 8, 1942. Reg. No. 442.

Pat. 2,367,705. **TUBULAR CONTAINER.** Patented Jan. 23, 1945. Reg. No. 443.

Pat. 2,376,839. **METHOD AND APPARATUS FOR PRODUCING COLLAPSIBLE PAPERBOARD BODIES FOR TUBULAR CONTAINERS.** Patented May 22, 1945. Reg. No. 444.

These three patents cover improvements in tubular containers, and a method of construction. Containers are made of fibrous material, such as cardboard, and made waterproof and airtight by fitted ends and two cylindrical retaining rings. All are collapsible and can be knocked down and easily shipped or stored by flattening. Half the diameter of the two retaining rings is made slightly smaller and both are pivotally connected by rivets so that they can be nested. Lamination with an impervious coating either inside or outside makes it suitable for shipping frozen or dehydrated food. Method of manufacture subjects roll of paper (which may be previously printed upon to provide identification) to steaming to render it pliable. Parallel thin lines are impressed (without breaking fibres) at predetermined spaced intervals; provide a practically smooth surface. (Owner) Harry A. Wansker, 195 Mill St., Newtonville, Mass. Groups 26—27—61—63—64—69; 35—51—54.

Pat. 2,319,562. **STABLE CRYSTALLINE ANHYDROUS ALPHA LACTOSE PRODUCT AND PROCESS.** Patented May 18, 1943. A new form of lactose, somewhat sweeter and more soluble than the ordinary milk sugar of commerce. Patent covers process and product. Groups 20—25; 35—51. Reg. No. 445.

Pat. 1,987,893. **HONEY PROCESS AND PRODUCT.** Patented Jan. 15, 1935. Absolutely pure honey in a fine crystallized form so that it can be spread like butter without dripping. Prospective licensees should go to Ithaca, N. Y., to study the process, as some of the equipment is difficult to obtain under present conditions. Groups 20—99; 35—51. Reg. No. 446.

Pats. 2,181,838 and 2,181,839. **WINE PROCESS.** Patented Nov. 28, 1939. Process makes good sherry from cheap Eastern Concord grapes in a short period and with less expense. Greater output from given equipment reduces cost of production. Groups 20—84; 35—51. Reg. Nos. 447 and 448.

Pat. 2,344,895. **BASIC CALCIUM ARSENATE.** Patented Mar. 21, 1944. Invention relates to insecticides and fungicides of the arsenic type. Advantage of this easily manufactured product is that it is a true chemical compound, not a mixture, and produces the uniformity of results desirable in the field, while mixtures now used tend to be erratic in behavior. Group 28—33. Reg. No. 449.

Pat. 2,362,774. **EGG SORTING METHOD AND MECHANISM.** Patented Nov. 14, 1944. This invention, proved on a laboratory scale, but not yet commercially developed, makes possible mechanical grading, independent of the color of the shell. The essential principles are simple—putting the egg in a radio-frequency field and weighing it, and combining the results. Indicates internal quality. Groups 20—99; 36—61. Reg. No. 450.

Pat. 2,362,769. **ELECTRONIC VOLTAGE STABILIZER.** Patented Nov. 14, 1944. A voltage stabilizer of the electronic type, which both overcompensates and undercompensates, and hence can be adjusted to give almost perfect compensation. Group 36—19—92. Reg. No. 451.

Pat. 1,868,996. Patented July 26, 1932, and Pat. 1,922,143, patented Aug. 15, 1933. **METHOD OF EGG PRESERVATION.** Method helps to keep eggs fresh by the discovery that relatively small amounts of carbon dioxide produced by the egg itself, or artificially, are effective. Very simple and inexpensive. Groups 20—99; 26—61; 28—86; 35—84. Reg. Nos. 452 and 453.

The above nine patents are available for license from the owner, Cornell Research Foundation, on stated terms. Address all correspondence to Cornell Research Foundation, Cornell University, Ithaca, N. Y.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 16, 1945

[Vol. 579. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

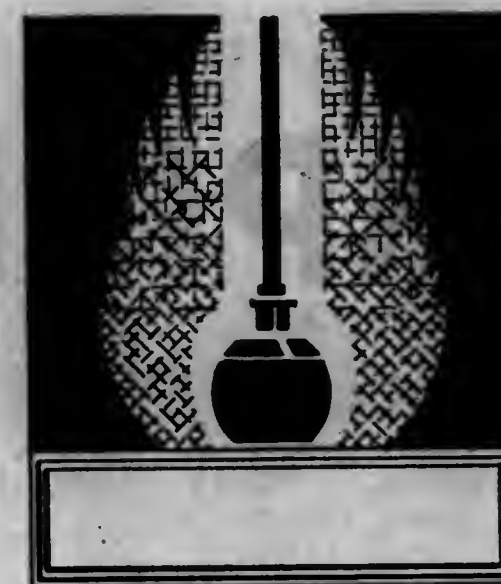
Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 480,575. **THE C. P. HALL COMPANY**, Akron, Ohio. Filed Mar. 7, 1945.



The drawing is lined for yellow and orange.
FOR BARYTES, CARBON BLACK, CLAYS, PUMICE STONE, PYROPHYLLITE, MICA, TALC, WHITING IN THE NATURE OF CHALK, BLANC FIXE TO BE USED AS A FILLER, CALCIUM CHLORIDE AS A DUST ELIMINATOR AND MOISTURE ABSORBENT, SILICATES, HYDRATED ALUMINUM SILICATE, LIME AS A FILLER, CORN STARCH AS A DUSTING MATERIAL, NATURAL RESINS, AND SYNTHETIC RESINS.
Claims use since Nov. 30, 1943.

Ser. No. 484,624. **FLORIDA SPONGE & CHAMOIS CO.**, New York, N. Y. Filed June 16, 1945.



The words "French", "Brand" and "Chamois" are specifically disclaimed.
FOR CHAMOIS SKINS.
Claims use since Jan. 1, 1930.

579 O. G.—23

Ser. No. 484,625. **FOUR FUR COMPANY**, St. Louis, Mo. Filed June 16, 1945.

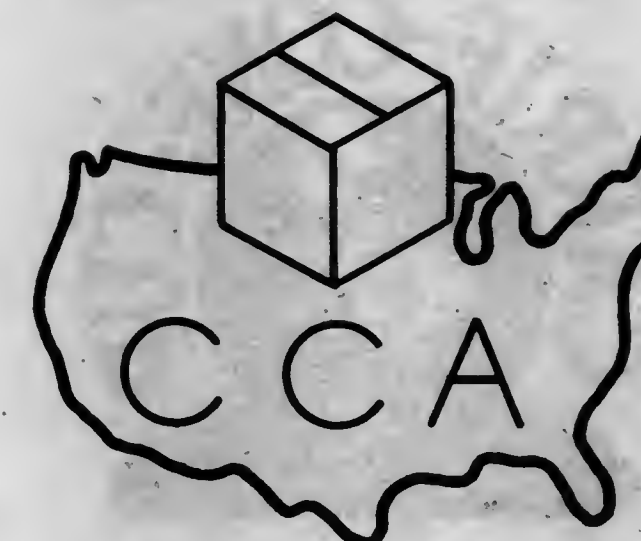


Applicant is the owner of Reg. Nos. 151,130, 194,582, 201,756, and 321,309.
FOR FUR SKINS, HIDES, AND PELTS.
Claims use since Dec. 10, 1919.

CLASS 2

RECEPTACLES

Ser. No. 473,310. **CONTAINER CORPORATION OF AMERICA**, Chicago, Ill. Filed Aug. 16, 1944.



No claim is made to the representation of the carton and to the outline map of the United States of America apart from the mark.
FOR PAPERBOARD CARTONS AND BOXES.
Claims use since June 1, 1942.

343

Ser. No. 483,341. PRECISION SPECIALTIES, Los Angeles, Calif. Filed May 14, 1945.

Soubrette

FOR COMPACTS FOR CONTAINING COSMETICS
MADE OF PLASTIC AND SOLD IN TRADE EMPTY.
Claims use since Jan. 4, 1945.

Ser. No. 483,517. CARL DUDLEY, Beverly Hills, Calif. Filed May 18, 1945.



The lining on the drawing is for shading purposes only. No claim is made to the word "Film" as shown except in conjunction with the other features of the mark.

FOR CONTAINERS FOR MOTION PICTURE FILMS,
MADE OF METAL, WOOD AND LEATHER AND COMBINATIONS THEREOF.

Claims use since May 12, 1945.

Ser. No. 484,429. FRANK M. SAYFORD, Co. Inc., Brooklyn, N. Y. Filed June 11, 1945.



"Cone-Cup" and "A Sayford Product," and the representation of a cup are disclaimed apart from the mark as shown.

FOR PAPER CUPS.

Claims use since Apr. 3, 1945.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORT-FOLIOS, AND POCKETBOOKS

Ser. No. 477,373. QUALITY PRODUCTS CO., INC., New York, N. Y. Filed Dec. 9, 1944.

The Scotty Monique

FOR LEATHER KITS FOR LIPSTICKS, POWDERS, ROUGE AND POWDER PUFFS SOLD WITHOUT THE SAID COSMETIC ARTICLES, CHANGE PURSES, EVENING BAGS, LADIES' BAGS FOR SPORT WEAR, AND HANDBAGS.

Claims use since August 1944.

Ser. No. 485,529. EMPIRE SPORTING GOODS MANUFACTURING Co., Inc., New York, N. Y. Filed July 7, 1945.

EMPIRE

FOR DUFFLE BAGS, KNAPSACKS, ROVER PACKS OF THE TYPE CONSTRUCTED IN THE MANNER OF A DUFFLE BAG AND PROVIDED WITH A PAIR OF SHOULDER STRAPS, UTILITY BAGS, MUSETTE BAGS, SCHOOL BAGS, AND SEA BAGS.

Claims use since Sept. 1, 1930.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 480,404. BRUNSWIG DRUG COMPANY, doing business as Angelus Laboratories, Los Angeles, Calif. Filed Mar. 2, 1945.

PRESTO

FOR VOLATILE COMPOUND DERIVED FROM PETROLEUM USED AS A SOLVENT.

Claims use since Mar. 1, 1910.

Ser. No. 484,081. IRVINE BLAKE COSMETICS, INC., doing business as Artfield Creations, New York, N. Y. Filed June 2, 1945.

ARTFIELD CREATIONS

The word "Creations" is disclaimed apart from the mark.
FOR BRUSHLESS SHAVE CREAM, SHAVING SOAP, AND SHAVING STICKS.

Claims use since January 1940.

Ser. No. 484,924. LUDWIG WILSON COMPANY, Chicago, Ill. Filed June 22, 1945.

TURKOY

FOR DETERGENT AND CLEANING COMPOUNDS.
Claims use since Dec. 31, 1932.

CLASS 5

ADHESIVES

Ser. No. 481,786. HERBERT J. HERIBERT, New York, N. Y. Filed Apr. 6, 1945.

HERIBEX

FOR ADHESIVE CEMENT FOR BONDING CORK, LEATHER, LINOLEUM, METAL, PLASTICS, WALLBOARD AND WOOD.

Claims use since Jan. 12, 1945.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 457,000. CIBA PHARMACEUTICAL PRODUCTS, INC., Summit, N. J. Filed Nov. 24, 1942.

PRIVINE

FOR VASOCONSTRICTOR AND PRESSOR SUBSTANCE.

Claims use since Nov. 16, 1942.

Ser. No. 459,496. ARTHUR LEO O'NEIL, doing business as The Penguin Hair Tonic Co., Eastondale, Mass. Filed Mar. 29, 1943.



Applicant disclaims all wording except the term "Penguin" apart from the mark.

FOR HAIR TONIC.

Claims use since Mar. 10, 1943.

Ser. No. 475,461. REFINED PRODUCTS COMPANY, Lyndhurst, N. J. Filed Oct. 18, 1944.

PERNALENE

FOR SOLUBLE BUFFERED CHEMICAL COMPOUND USED FOR WET PROCESSING.

Claims use since Mar. 1, 1944.

Ser. No. 480,348. RAYMOND LABORATORIES, INC., St. Paul, Minn. Filed Feb. 28, 1945.

de-ter-jal-ized

FOR SHAMPOO AND LOTIONS USEFUL IN WAVY HAIR.

Claims use since Jan. 24, 1945.

Ser. No. 480,779. MIAHATI, INC., New York, N. Y. Filed Mar. 10, 1945.

DOWNING STREET

The word "Downing" is disclaimed apart from the mark.
FOR AFTER SHAVE LOTIONS.

Claims use since Dec. 1, 1944.

Ser. No. 480,780. MIAHATI, INC., New York, N. Y. Filed Mar. 10, 1945.

AUDACIOUS

FOR PERFUMES.

Claims use since Nov. 9, 1944.

Ser. No. 481,014. CONSOLIDATED COSMETICS, Chicago, Ill. Filed Mar. 17, 1945.

TAB

FOR PERFUME, COLOGNE, TOILET WATER, FACE POWDER, LIPSTICK, AND ROUGE.

Claims use since Dec. 10, 1932.

Ser. No. 481,520. BRISTOL-MYERS COMPANY, New York, N. Y. Filed Mar. 30, 1945.

SPOAM

FOR SHAMPOO.
Claims use since Mar. 7, 1945.

Ser. No. 483,006. PHYSICAL AND CHEMICAL CORPORATION, Chicago, Ill. Filed May 4, 1945.

ROCKET

FOR CATALYTIC ADDITION AGENTS FOR VOLATILE COMBUSTIBLE LIQUID FUELS SAID ADDITION AGENTS FUNCTIONING TO ACCELERATE COMBUSTION AND REDUCE KNOCKING.
Claims use since Mar. 19, 1945.

Ser. No. 483,917. PHYSICIANS & HOSPITALS SUPPLY CO., INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Filed May 29, 1945.

HEMATOVALS

The drawing is lined for red.
FOR MEDICAL PREPARATION—NAMESLY, CAPSULES OF LIVER, IRON AND VITAMIN B-COMPLEX FOR TREATMENT OF NUTRITIONAL AND SECONDARY ANEMIAS.
Claims use since Mar. 26, 1945.

Ser. No. 483,918. PHYSICIANS & HOSPITALS SUPPLY CO., INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Filed May 29, 1945.

SARCOL

The drawing is lined for red.
FOR MEDICAL PREPARATION—NAMESLY, A BRAND OF MILD SILVER PROTEIN U. S. P. OFFERED FOR THE TREATMENT OF INFECTIONS OF MUCOUS MEMBRANE.
Claims use since Mar. 28, 1945.

Ser. No. 483,919. PHYSICIANS & HOSPITALS SUPPLY CO., INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Filed May 29, 1945.

TUGALOL

The drawing is lined for red.
FOR MEDICAL PREPARATION—NAMESLY, AN AROMATIC INHALANT FOR TREATMENT OF NOSE AND THROAT AFFECTIONS.
Claims use since Apr. 30, 1945.

Ser. No. 483,920. PHYSICIANS & HOSPITALS SUPPLY CO., INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Filed May 29, 1945.

ULPATOL

The drawing is lined for red.
FOR MEDICAL PREPARATION—NAMESLY, A COMBINATION OF AMMONIUM CHLORIDE AND TR. OPIUM COMPHORATED IN A PALATABLE VEHICLE FLAVORED WITH TOLU, FOR THE TREATMENT OF COUGHS DUE TO COMMON COLDS.
Claims use since Apr. 30, 1945.

Ser. No. 483,921. PHYSICIANS & HOSPITALS SUPPLY CO., INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Filed May 29, 1945.

ULTARZOLE

The drawing is lined for red.
FOR MEDICAL PREPARATION—NAMESLY, AN OINTMENT OF TAR AND SULFATHIAZOLE FOR TREATMENT OF INFECTED DERMATOSES.
Claims use since Feb. 20, 1945.

Ser. No. 484,854. ONYX OIL & CHEMICAL COMPANY, Jersey City, N. J. Filed June 21, 1945.

ISOTHAN Q-15

FOR FUNGICIDE FOR AGRICULTURAL USE.
Claims use since May 1943.

Ser. No. 484,915. THE SOLVAY PROCESS COMPANY, New York, N. Y. Filed June 22, 1945.

NYTRON

FOR SYNTHETIC ORGANIC MATERIALS FOR USE AS DYEING AIDS, AND FOR GENERAL APPLICATION AS WETTING, EMULSIFYING, DISPERSING AND PENETRATING AGENTS.
Claims use since Apr. 3, 1945.

Ser. No. 484,944. COTY, INC., New York, N. Y. Filed June 23, 1945.

NAMOUNA

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES.
Claims use since June 21, 1945.

Ser. No. 485,017. THE ANDREW JERGENS COMPANY, Cincinnati, Ohio. Filed June 25, 1945.

Marimba

FOR PERFUME.
Claims use since May 28, 1945.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 484,459. PIPES, INC., New York, N. Y. Filed June 12, 1945.

illustrious

FOR SMOKING PIPES.
Claims use since May 31, 1945.

Ser. No. 484,460. PIPES, INC., New York, N. Y. Filed June 12, 1945.

invincible

FOR SMOKING PIPES.
Claims use since May 31, 1945.

Ser. No. 484,461. PIPES, INC., New York, N. Y. Filed June 12, 1945.

town & country

FOR SMOKING PIPES.
Claim use since May 31, 1945.

Ser. No. 484,877. CHAMPAGNE PAPER CORPORATION, Piegah Forest, N. C. Filed June 22, 1945.

Autobound

FOR CIGARETTE PAPER BOOKLETS.
Claims use since Apr. 18, 1945.

Ser. No. 485,196. CHAMPAGNE PAPER CORPORATION, Piegah Forest, N. C. Filed June 29, 1945.

BLUE STAR

FOR CIGARETTE PAPER BOOKLETS.
Claims use since May 21, 1945.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 477,463. DUNLOP RUBBER COMPANY LIMITED, Erdington, Birmingham, England. Filed Dec. 12, 1944.

MAXIFLUX

FOR ELECTRICAL APPARATUS FOR ATTACHMENT TO THE FIRING MECHANISM OF GUNS TO CONTROL THE FIRING THEREOF.
Claims use since February 1944.

Ser. No. 477,464. DUNLOP RUBBER COMPANY LIMITED, Erdington, Birmingham, England. Filed Dec. 12, 1944.

MAXIFORT

FOR ELECTRICAL APPARATUS FOR ATTACHMENT TO THE FIRING MECHANISM OF GUNS TO CONTROL THE FIRING THEREOF.
Claims use since February 1944.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 470,378. ARTHUR L. KUHLMAN, Bay City, Mich. Filed May 18, 1944.

Artery

FOR CONCRETE BLOCKS.
Claims use since May 5, 1944.

Ser. No. 478,086. RAYBESTOS-MANHATTAN, INC., Passaic, N. J. Filed Dec. 30, 1944.

PYROTEX

FOR FELTED ASBESTOS WEB MATERIAL IN TAPE, SHEET OR ROLL FORM FOR THERMAL INSULATION AND OTHER PROTECTIVE PURPOSES.
Claims use since Apr. 9, 1943.

Ser. No. 479,479. HIGGINS INDUSTRIES, INC., New Orleans, La. Filed Feb. 6, 1945.

Higgins

The mark is the surname portion of a facsimile signature of A. J. Higgins, president of applicant corporation. FOR BONDED PLASTIC PLYWOOD MADE OF MAHOGANY AND OTHER WOODS.

Claims use since Jan. 20, 1943, for the mark as shown; and since June 1, 1922, for the word "Higgins."

Ser. No. 485,087. KATRINFORS AKTIEBOLAG, Mariestad, Sweden. Filed June 27, 1945.



FOR BOARDS MADE OF WOOD FIBER.
Claims use since 1944.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 482,292. HENRY LINDSAY LIMITED, Bradford, England.



Applicant disclaims the words "The Bolt Adapters" apart from the mark.

FOR HOOK ADAPTERS OF COMMON METAL FOR PASSING ON TO OR OVER PLAIN BOLTS FOR THE PURPOSE OF ADAPTING THEM FOR USE AS HOOK BOLTS.

Claims use since Apr. 4, 1939.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 467,540. SOCIÉTÉ ANONYME POUR L'INDUSTRIE DE L'ALUMINIUM (ALUMINIUM-INDUSTRIE-AKTIE-GESELLSCHAFT), Chippis, Switzerland. Filed Feb. 18, 1944.

ALUTHERM

FOR METAL POWDER AND METAL GRITS ESPECIALLY ALUMINUM POWDER AND ALUMINUM GRITS, MAGNESIUM POWDER AND MAGNESIUM GRITS; MIXTURES CONTAINING ALUMINUM AND OTHER METALS ADAPTED TO GENERATE HEAT WHEN BURNED, FOR PERFORMING WELDING AND SOLDERING OPERATIONS, AND WELD RODS.

Claims use since June 19, 1943.

Ser. No. 483,507. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed May 18, 1945.



FOR BABBITT METAL; UNFINISHED CORED AND SOLID BARS OF NON-FERROUS METALS; UNFINISHED DRIVING BOX BEARING CASTINGS; UNFINISHED ROD BRASS AND BUSHING CASTINGS; UNFINISHED CROSSHEAD SHOE CASTINGS; UNFINISHED PEDESTAL SHOE AND WEDGE CASTINGS; BRONZE WELDING ROD; STEEL MILL PARTS—NAMELY, UNFINISHED BEARINGS AND CASTINGS; BLAST FURNACE PARTS—NAMELY, UNFINISHED TUYÈRES, VALVE BODIES, VALVE SEATS, MONKEYS, AND BOSCH PLATES; AND MISCELLANEOUS UNFINISHED BRASS, BRONZE, COPPER, AND ALUMINUM MACHINE PARTS AND CASTINGS.

Claims use since October 1943.

Ser. No. 484,954. THE INTERNATIONAL NICKEL COMPANY, Inc., New York, N. Y. Filed June 23, 1945.

MINVAR

FOR NICKEL-CONTAINING CAST FERROUS ALLOY HAVING CONTROLLED LOW-EXPANSION PROPERTIES.

Claims use since May 24, 1945.

Ser. No. 484,955. THE INTERNATIONAL NICKEL COMPANY, Inc., New York, N. Y. Filed June 23, 1945.

NI-MINVAR

FOR NICKEL-CONTAINING CAST FERROUS ALLOY HAVING CONTROLLED LOW-EXPANSION PROPERTIES.

Claims use since May 24, 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 461,768. THE OHIO BOWLING AND BILLIARD SUPPLY COMPANY, Cleveland, Ohio. Filed June 30, 1943.

MIR-I-SEAL

The word "Seal" is disclaimed apart from the mark. FOR BOWLING ALLEY AND PIN SURFACE TREATING COMPOUNDS, BOWLING ALLEY APPROACH AND SEAL COMPOUNDS, CLEAR AND PIGMENTED, BOWLING PIN SEALING COMPOUNDS, ALL BEING LARGE-LY NITROCELLULOSE LACQUERS, AND THINNER SOLUTIONS FOR THE ABOVE PRODUCTS.

Claims use since June 14, 1943.

Ser. No. 478,114. ADAM EDWARDS, doing business as Edwards Products, Southgate, Calif. Filed Jan. 1, 1945.

U-2

FOR AUTOMOBILE POLISH.
Claims use since Oct. 24, 1944.

Ser. No. 481,927. TWIN CITY SHELLAC CO. INC., Brooklyn, N. Y. Filed Apr. 9, 1945.

"Floor-ADORABLE"

The word "Floor" is disclaimed except as shown. FOR FLOOR FINISHING MATERIALS, SPECIFICALLY FOR WAX.

Claims use since Mar. 20, 1945.

Ser. No. 485,072. HAROLD E. CATTON, doing business as Parity Dance Wax Company, Sedalia, Mo. Filed June 27, 1945.



FOR FLOOR WAX.
Claims use since 1940.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 470,862. PANDORA TOBACCO CO., INC., Philadelphia, Pa. Filed June 2, 1944.

POMFRET ARMS

The word "Pomfret" is disclaimed apart from the mark. FOR CIGARS.
Claims use since Mar. 13, 1944.

Ser. No. 484,975. ROYAL TOBACCO CORPORATION, New York, N. Y. Filed June 23, 1945.

BANTAM

FOR CIGARETTES.
Claims use since Dec. 15, 1944.

CLASS 19

VEHICLES

Ser. No. 465,708. CURTISS-WRIGHT CORPORATION, New York and Buffalo, N. Y.; Columbus, Ohio; Louisville, Ky.; St. Louis, Mo., and elsewhere. Filed Dec. 11, 1943.



The drawing is lined for yellow, red, blue, green, and brown.

FOR AIRPLANES AND STRUCTURAL PARTS THEREOF.

Claims use since Nov. 13, 1943.

Ser. No. 476,559. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed Nov. 17, 1944.

TORSILASTIC

FOR SPRINGS OF RUBBER AND METAL FOR VEHICLE WHEEL SUSPENSIONS AND OTHER CONNECTIONS SUCH AS HINGES, JOINTS, AND MOUNTINGS FOR VEHICLES.

Claims use since Oct. 10, 1944.

Ser. No. 481,812. VELOCE LIMITED, Hall Green, Birmingham, England. Filed Apr. 6, 1945.

Velocette

FOR MOTOR CYCLES AND PARTS THEREOF.
Claims use since January 1913.

Ser. No. 482,967. ARNOLD, SCHWINN & Co., Chicago, Ill.
Filed May 4, 1945.

AERO CYCLE

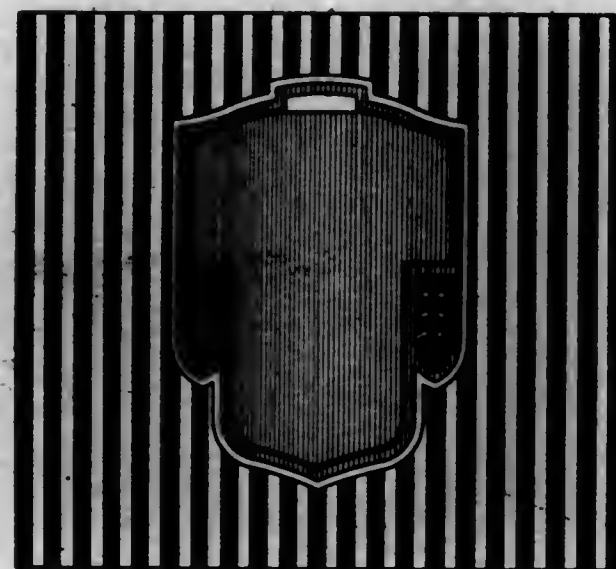
No claim is made to the word "Cycle" apart from the mark as shown.

FOR BICYCLES AND PARTS THEREFOR.
Claims use since May 31, 1934.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 437,432. BURGESS BATTERY COMPANY, Chicago, Ill. Filed Oct. 31, 1940.



Applicant disclaims exclusive rights to that portion of the mark which comprises an area of alternating dark and light stripes. The representation of the shield is lined for red.

FOR DRY BATTERIES AND FLASHLIGHT CASES.
Claims use since March 1917 on dry batteries; and since August 1926 on flashlight cases.

Ser. No. 477,875. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed Dec. 23, 1944.

ANTARA

FOR ELECTRICAL SAFE-LIGHTS.
Claims use since November 1944.

Ser. No. 480,116. THE MORGAN CRUCIBLE COMPANY LIMITED, London, England. Filed Feb. 22, 1945.

VENTIFLEX

FOR INSULATED ELECTRIC FLEXIBLE CONDUCTORS AND ELECTRIC INSULATING MATERIAL IN THE FORM OF FLEXIBLE SHEATHING FOR APPLICATION TO CONDUCTORS.
Claims use since Nov. 7, 1944.

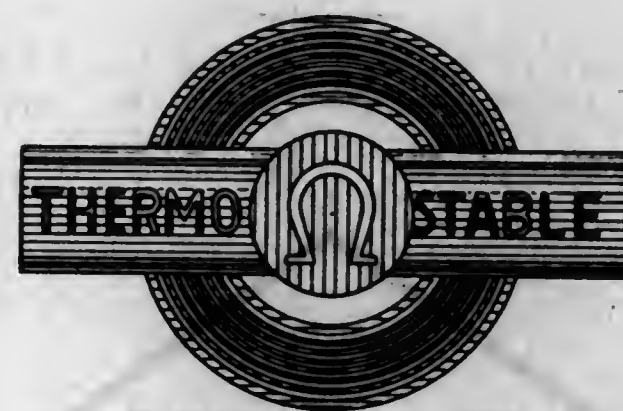
Ser. No. 481,904. THE PEERLESS ELECTRIC COMPANY, Warren, Ohio. Filed Apr. 9, 1945. Under the 10-year proviso as to "Peerless."

PEERLESS REGISTERED

Applicant claims ownership of registration #94,027, registered Oct. 28, 1913 under the 10-year proviso, and renewed. Applicant disclaims the word "Registered" except as shown.

FOR ELECTRIC MOTORS.
Claims use since Jan. 16, 1945; and since 1894 for the word "Peerless."

Ser. No. 483,124. UNITED THERMO-STABLE CORPORATION, New York, N. Y. Filed May 8, 1945.



The use of the word "Stable" apart from the mark shown is disclaimed. The drawing is lined to indicate the colors red and blue, and the unlined to indicate white.

FOR ELECTRICALLY HEATED PADS AND ELECTRICALLY HEATED BLANKETS FOR NON-THERAPEUTIC USES, AND ELECTRICALLY HEATED FLYING SUITS.

Claims use since Jan. 17, 1944.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 465,633. JOE OTT MANUFACTURING CO., Chicago, Ill. Filed Dec. 8, 1943.

OTT-O-MATIC

The surname "Ott" is disclaimed apart from the mark as shown.

FOR TOY AIRCRAFT CONSTRUCTION KITS AND PARTS THEREOF.

Claims use since Aug. 12, 1941.

Ser. No. 477,481. EDW. K. TRYON COMPANY, Philadelphia, Pa. Filed Dec. 12, 1944.



FOR ARTIFICIAL BAITS, BAITS AND TACKLE BOXES, BAIT AND MINNOW PAILS, BUTT CAPS, CHUGGING RIGS, CORK BALL, CRAB TRAPS, DOCK BELLS, FEATHERED JIGS, FISH BAGS, FISH FINDERS, FISH TONGS, FISHING FLOATS, FLY AND TACKLE BOOKS, FROG HARNESS, FROG SPEARS, GAFF HOOKS, GAFFS, GRASS HOOKS, GUT LEADERS, MINNOW TRAPS, MOUTH OPENERS, NET FRAMES, FISHING NETS, REEL CLAMPS, REEL SEATS, RINGED SINKERS, ROD FERRULE, ROD GUIDES, ROD STANDS, ROD TIPS, RUBBER ROD BUTTS, SAFETY SNAPS, SAND SPIKES, SILK WORM GUT, SINKERS, SNAPS AND RINGS, SNEELED HOOKS, SNEELIS, SPEARS, SPLIT RINGS, SPLIT SHOT, SPREADERS, STRINGERS, SWIVELS, TIPPETS, WINDING CHECKS, WIRE LEADERS, CUT WIRE FOR LEADERS, FISHING RODS, FISHING REELS, FISHING HOOKS, AND FISHING RIGS.
Claims use since Sept. 1, 1906.

Ser. No. 478,076. KENNETH S. FRANKE, doing business as Kenard Novelty Company, New York, N. Y. Filed Dec. 30, 1944.

WOODENDOIT

FOR PUZZLE IN WHICH THE AIM OR OBJECT IS TO REMOVE A PEG FROM A TAPE WITHOUT FORCE OR CUTTING THE TAPE.

Claims use since Nov. 15, 1944.

Ser. No. 483,182. LYDIA JEDWABNIK, New York, N. Y. Filed May 10, 1945.

LYDART

FOR DOLLS.
Claims use since May 6, 1944.

Ser. No. 484,005. M. AILETCHER & Co., Lakewood, N. J. Filed May 31, 1945.



FOR TOY DOLLS.
Claims use since September 1944.

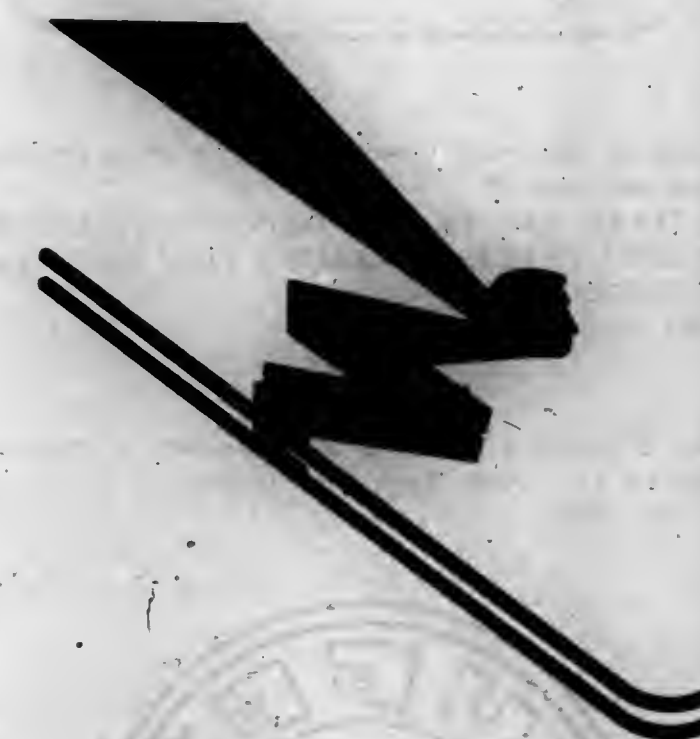
Ser. No. 484,716. JOHN W. STEVENS, Sparkill, N. Y. Filed June 18, 1945.

FLEX-I-TAPE

Applicant disclaims the word "Tape" apart from the mark shown.

FOR FINGER TAPE FOR ALL SPORTS USE, INCLUDING GOLF, BASEBALL, TENNIS, ETC.
Claims use since June 1, 1945.

Ser. No. 485,570. THE GROSWOLD SKI COMPANY, INC., Denver, Colo. Filed July 9, 1945.



The representation of the skis is disclaimed apart from the mark.

FOR SKIS AND SKI BINDINGS AND PARTS THEREOF.

Claims use since Dec. 31, 1935.

Ser. No. 485,879. MAE B. MURPHY, Chicago, Ill. Filed July 16, 1945.



The drawing is lined for shading. The word "Doll" is disclaimed apart from the mark.

FOR DOLLS.
Claims use since October 1942.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 473,426. PIONEER GEN-E-MOTOR CORPORATION, Chicago, Ill. Filed Aug. 18, 1944.



The use of the word "Products" apart from the mark as shown is disclaimed.

FOR HAND AND ENGINE DRIVEN LAWN MOWERS AND PARTS THEREOF, GARDEN TRACTORS, SPRAYERS, PUMPS.

Claims use since August 1938.

Ser. No. 481,243. PREMIER AUTOMOTIVE & INDUSTRIAL PRODUCTS Co., New York and Brooklyn, N. Y. Filed Mar. 23, 1945.



The representation of a wrench and the word "Tools" are disclaimed apart from the mark as shown.

FOR SOCKET WRENCHES, DRIVE EXTENSIONS, HINGE, T, SPINTITE, AND RATCHET HANDLES; AND HAND TOOLS SUCH AS BITS, STUD REMOVERS, RATCHETS, ADAPTORS, SOCKETS, AND WRENCHES.

Claims use since Mar. 1, 1945.

Ser. No. 481,735. CHAIN BELT COMPANY, Milwaukee, Wis. Filed Apr. 5, 1945.

CHAMPION

FOR POWER TRANSMISSION CHAIN.
Claims use since July 16, 1936.

Ser. No. 482,666. ARMATURE COIL EQUIPMENT, INC., Cleveland, Ohio. Filed Apr. 27, 1945.

ACE

FOR AIR OPERATED COIL FORMING MACHINES, COMBINATION GROUP WINDERS AND SPREADERS, COIL WINDING MACHINES, GROUP COIL WINDER HEADS, ARMATURE WINDERS, ARMATURE AND STATOR LOOP WINDERS, ARMATURE AND STATOR COIL FORMERS, BENCH TYPE COIL WINDERS, REEL RACKS WITH TENSION DEVICES, BAR BENDERS, AND THE LIKE.

Claims use since July 1920.

Ser. No. 482,987. GREAT NECK SAW MANUFACTURERS, INC., Mineola, N. Y. Filed May 4, 1945.

CORSAIR

FOR HAND TOOLS—NAMELY, SAWS AND SCREW DRIVERS.

Claims use since Aug. 23, 1942.

Ser. No. 483,888. BALLCRANK INC., Cincinnati, Ohio. Filed May 29, 1945.

BULLDOZER

FOR PUMPS FOR DISPENSING LUBRICATING GREASE.

Claims use since May 25, 1945.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 485,038. IRA C. TROUTMAN, doing business as I. C. Troutman Co., Bell Gardens, Calif. Filed June 25, 1945.

STEAM A DOR

The word "Steam" is disclaimed except in association with the rest of the mark, as shown.

FOR GARMENT FORMERS, TUMBLERS, PUFFSETS, PRESS MACHINES AND BLOWERS AND DRYERS CONSTITUTING PARTS OF LAUNDRY AND DRY CLEANING MACHINES.

Claims use since October 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 471,948. ILEX OPTICAL COMPANY, Rochester, N. Y. Filed July 6, 1944.

ACME

FOR CAMERA SHUTTERS.
Claims use since 1914.

Ser. No. 471,949. ILEX OPTICAL COMPANY, Rochester, N. Y. Filed July 6, 1944.

ACME SYNCHRO

FOR CAMERA SHUTTERS.
Claims use since June 2, 1944.

Ser. No. 477,700. ILLINOIS TESTING LABORATORIES, INC., Chicago, Ill. Filed Dec. 18, 1944.

PYROLL

FOR ELECTRICAL TEMPERATURE MEASURING INSTRUMENT AND PARTS THEREOF.
Claims use since February 1934.

Ser. No. 477,701. ILLINOIS TESTING LABORATORIES, INC., Chicago, Ill. Filed Dec. 18, 1944.

PYROPROD

FOR ELECTRICAL TEMPERATURE MEASURING INSTRUMENTS AND PARTS THEREOF.
Claims use since December 1926.

Ser. No. 477,702. ILLINOIS TESTING LABORATORIES, INC., Chicago, Ill. Filed Dec. 18, 1944.

PYROPOINT

FOR ELECTRICAL TEMPERATURE MEASURING INSTRUMENTS AND PARTS THEREOF.
Claims use since April 1934.

Ser. No. 483,688. JACOB HIRSCH, doing business as Bates Accounting Forms Co., New York, N. Y. Filed May 23, 1945.



The representation of a map of the United States is disclaimed apart from the mark.
FOR PAYROLL COMPUTING MACHINES.
Claims use since June 15, 1943.

Ser. No. 484,903. DR. JOHN POSLUSNY, Chicago, Ill. Filed June 22, 1945.

Hom-Ortho

FOR VISUAL TEST CHARTS AND VISUAL RECON-
DITING CHARTS.
Claims use since May 5, 1945.

Ser. No. 484,933. BURKE AND JAMES, INC., Chicago, Ill. Filed June 23, 1945.

B&J

FOR PHOTOGRAPHIC CAMERAS AND PHOTO-
GRAPHIC ENLARGERS.
Claims use since July 1941.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 479,508. THE ELLMORE SILVER CO., INC., Meriden, Conn. Filed Feb. 7, 1945.

Colonial Rose

The term "Rose" is disclaimed apart from the mark as shown.

FOR FORKS, KNIVES, SPOONS, AND OTHER FLAT TABLEWARE MADE OF PRECIOUS OR SEMI-PRECIOUS METAL.

Claims use since Jan. 10, 1943.

Ser. No. 480,444. EXCELSIOR JEWELERS FINDINGS, New York, N. Y. Filed Mar. 3, 1945.

Excelsior

FOR THE FOLLOWING MADE OF PRECIOUS AND SEMI-PRECIOUS METAL—NAMESLY, BRACELETS, BROOCHES, CHAINS, EARRINGS, FASTENERS FOR NECKLACES, IMITATION PEARLS, LAVALIERE, LOCKETS, NOVELTY JEWELRY, ORNAMENTAL PINS, PENDANTS, WATCH BRACELETS, WATCH CHAINS NOT INCLUDING WATCHES, EAR NUTS AND SCREWS, SWIVELS FOR CHAINS, SPRING RINGS, JUMP RINGS, RING GUARDS, EAR WIRES, GOLD BALLS, STONE SETTINGS, PINTONGS, JOINTS, SAFETY CATCHES, CHAIN CLASPS, SISTERHOOKS, JEWELRY STAMPINGS, AND JEWELRY CASTINGS.

Claims use since February 1941.

Ser. No. 482,462. BOPPART MFG. CO., Kansas City, Mo. Filed Apr. 23, 1945.

TILL WE MEET AGAIN



The figures are fanciful.

FOR REMEMBRANCE TOKENS IN THE FORM OF POCKET-PIECES AND PENDANTS SOLD IN PAIRS AND BEING SEPARABLE ALONG AN UNEVEN LINE TO CREATE TWO COMPLETE PARTS, MADE OF PRECIOUS OR SEMI-PRECIOUS METAL.

Claims use since Apr. 11, 1945.

Ser. No. 482,638. ONEIDA LTD., Sherrill and Oneida, N. Y. Filed Apr. 26, 1945.



Applicant is the owner of Reg. Nos. 115,395, 306,373, and 412,840. The lining on the drawing is for shading only. The exclusive use of the word "Sterling" is disclaimed apart from the mark as shown.

FOR SILVER PLATED FLAT TABLEWARE.

Claims use since Jan. 25, 1945.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 484,502. STANDARD MACHINE & MANUFACTURING Co., St. Louis, Mo. Filed June 13, 1945.



No claim is made to the name "Standard Machine Manufacturing Co." except as shown.

FOR MANUAL CONTROL VALVES AND SOLENOID CONTROL VALVES, LIQUID AND GAS STRAINERS AND FILTERS, AND DEHYDRATORS, USED IN REFRIGERATION EQUIPMENT.

Claims use since May 1, 1944.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 474,180. VARGISH AND COMPANY, New York, N. Y. Filed Sept. 13, 1944.



FOR PLASTIC PHOTOGRAPH FRAMES.

Claims use since Sept. 15, 1943.

Ser. No. 477,152. JOHN M. DORTON, Bonner Springs, Kans. Filed Dec. 2, 1944.

"Floating Motion"

FOR ADJUSTABLE SEATS, ADJUSTABLE CHAIRS, CONVERTIBLE PIECES OF FURNITURE CAPABLE OF BEING CONVERTED INTO A BED, A CHAIR OR SETTEE AND CUSHIONS FOR USE WITH THE ABOVE DESCRIBED ARTICLES.

Claims use since July 17, 1928.

Ser. No. 481,810. TALLY-HO MANUFACTURING Co., New York, N. Y. Filed Apr. 6, 1945.



The words "Products for Toddlers" are disclaimed apart from the mark.

FOR CONVERTIBLE SEATS FOR SMALL CHILDREN.

Claims use since Jan. 29, 1945.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 473,159. SELAS CORPORATION OF AMERICA, Philadelphia, Pa. Filed Aug. 10, 1944.

DURADIANT

FOR FLUID FUEL BURNERS AND PARTS THEREFOR.

Claims use since July 1944.

Ser. No. 473,160. SELAS CORPORATION OF AMERICA, Philadelphia, Pa. Filed Aug. 10, 1944.

REFRAK

FOR FLUID FUEL BURNERS AND PARTS THEREFOR.

Claims use since July 1944.

Ser. No. 483,620. FRANCIS J. HETTINGER, doing business as Appliance & Heating Supply Company, Louisville, Ky. Filed May 21, 1945.



The words "Automatic Stoker" are disclaimed apart from the mark.

FOR AUTOMATIC STOKERS, ESPECIALLY ADAPTED FOR HOUSEHOLD, APARTMENTS, BUILDINGS, AND HOTELS.

Claims use since Mar. 1, 1945.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 449,610. JENSEN RADIO MANUFACTURING COMPANY, Chicago, Ill. Filed Dec. 19, 1941.

Hypex

FOR ACOUSTIC HORNS, SPECIFICALLY, ACOUSTIC HORNS FOR USE WITH AN ELECTRO- OR MECHANICAL ACOUSTIC TRANSDUCER OR OTHER SOURCE OF SOUND BUT SOLD SEPARATELY THEREFROM.

Claims use since July 23, 1941.

Ser. No. 475,553. WOR PROGRAM SERVICE, INC., doing business as WOR Recording Studios, New York, N. Y. Filed Oct. 20, 1944.

FEATURE

FOR MECHANICALLY RECORDED SOUND RECORDS.

Claims use since Apr. 13, 1944.

CLASS 37

PAPER AND STATIONERY

Ser. No. 475,963. MARATHON CORPORATION, Rothschild, Wis. Filed Nov. 1, 1944.



Applicant is the owner of Reg. No. 338,716. No claim is made to the word "Wax" apart from the mark.

FOR WAXED PAPER.

Claims use since Nov. 3, 1936.

Ser. No. 480,302. SIMON WIENER, Washington, D. C. Filed Feb. 27, 1945.



The word "lettres" is disclaimed apart from the mark. FOR PRINTED, EMBOSSED, AND ENGRAVED WRITING PAPER AND ENVELOPES.

Claims use since Jan. 2, 1945.

Ser. No. 484,240. THE COFAX CORPORATION, New York, N. Y. Filed June 7, 1945.

PAXCOTE

FOR PRESSURE SENSITIVE SEALING TAPE USED FOR WRAPPING AND PACKAGING.
Claims use since May 16, 1945.

Ser. No. 484,241. THE COFAX CORPORATION, New York, N. Y. Filed June 7, 1945.

PAXHIDE

FOR PACKAGING PAPER.
Claims use since May 16, 1945.

Ser. No. 484,243. THE COFAX CORPORATION, New York, N. Y. Filed June 7, 1945.

PAXOLITE

FOR WRAPPING PAPER.
Claims use since May 16, 1945.

Ser. No. 484,245. THE COFAX CORPORATION, New York, N. Y. Filed June 7, 1945.

PAXOPHANE

FOR WRAPPING PAPER.
Claims use since May 16, 1945.

Ser. No. 484,247. THE COFAX CORPORATION, New York, N. Y. Filed June 7, 1945.

PAXPRO

FOR PROTECTIVE WRAPPING PAPER.
Claims use since May 16, 1945.

Ser. No. 484,592. ROCKWELL-BARNES COMPANY, Chicago, Ill. Filed June 5, 1945.

CORPORATE

Applicant is the owner of Reg. No. 207,537.
FOR TYPEWRITER PAPER AND FILE FOLDERS.
Claims use since June 15, 1922, as to typewriter paper; and since Aug. 20, 1929, as to file folders.

Ser. No. 484,593. ROCKWELL-BARNES COMPANY, Chicago, Ill. Filed June 15, 1945.

EXPEDITE

Applicant is the owner of Reg. No. 209,478.
FOR TYPEWRITER PAPER AND FILE FOLDERS.
Claims use since July 15, 1922, as to typewriter paper; and since Aug. 20, 1929, as to file folders.

Ser. No. 485,110. L. E. WATERMAN COMPANY, New York, N. Y. Filed June 27, 1945.

CITATION

FOR FOUNTAIN PENS, MECHANICAL PENCILS, AND PARTS THEREOF.
Claims use since June 19, 1945.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 482,052. HAMMERMILL PAPER COMPANY, Erie, Pa. Filed July 13, 1943.

CHECK CLEARINGS

The word "Check" is disclaimed apart from the mark.
FOR NEWS AND EDITORIAL PUBLICATION WHOSE TEXT DEALS CHIEFLY WITH THE DESIGN, USE, AND HANDLING OF CHECKS.
Claims use since May 1, 1943.

Ser. No. 478,804. COWLES MAGAZINES, INC., Des Moines, Iowa. Filed Jan. 20, 1945.

Photoquiz

FOR SECTION OF A REGULARLY ISSUED MAGAZINE.
Claims use since Oct. 8, 1940.

Ser. No. 482,759. THE PARENTS' INSTITUTE, INC., New York, N. Y. Filed Apr. 28, 1945.

Live 100 YEARS

FOR PUBLICATION PUBLISHED QUARTERLY DEVOTED TO THE PROMOTION OF BETTER HEALTH.
Claims use since Apr. 10, 1945.

Ser. No. 482,830. BILBARA PUBLISHING COMPANY INC., New York, N. Y. Filed May 1, 1945.

TELE-STORY

The word "Story" is disclaimed apart from the mark.
FOR ILLUSTRATED MAGAZINE CONTAINING FACTUAL ARTICLES RELATING TO TELEVISION.
Claims use since Apr. 18, 1945.

Ser. No. 483,585. QUALITY ART NOVELTY CO., INC., Long Island City, N. Y. Filed May 19, 1945.

Palette

FOR GREETING CARDS.
Claims use since February 1945.

Ser. No. 483,586. QUALITY ART NOVELTY CO., INC., Long Island City, N. Y. Filed May 19, 1945.

Star Light

FOR GREETING CARDS.
Claims use since February 1945.

Ser. No. 484,485. KEN CROSSEN, doing business as Fact & Fiction Publications, New York, N. Y. Filed June 13, 1945.

SANDUSKY and the SENATOR

No claim is made to the word "Sandusky" apart from the mark.
FOR COMIC STRIPS PUBLISHED IN PERIODICALS AND PERIODICAL MAGAZINES.
Claims use since Apr. 19, 1945.

Ser. No. 484,771. BILBARA PUBLISHING COMPANY INC., New York, N. Y. Filed June 19, 1945.

TELE-STAR

FOR MAGAZINE RELATING TO TELEVISION.
Claims use since Apr. 18, 1945.

Ser. No. 485,971. UNITED FEATURE SYNDICATE, INC., New York, N. Y. Filed July 18, 1945.

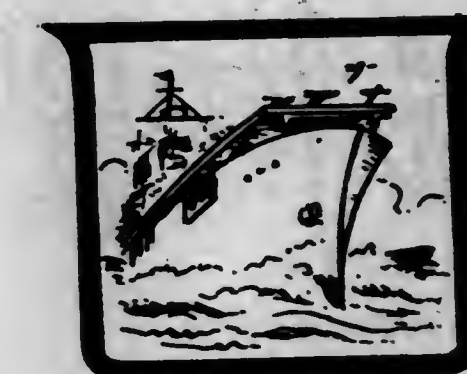
SWEATIN' IT OUT

FOR COMIC DRAWINGS PUBLISHED IN DAILY AND SUNDAY NEWSPAPERS.
Claims use since June 22, 1945.

CLASS 39

CLOTHING

Ser. No. 478,441. ELLEN S. WHITE, doing business as Steve Wilson Co., Jacksonville, Fla. Filed Jan. 9, 1945.



FOR MEN'S OVERCOATS, SUITS, COATS, TROUSERS, HATS, SOCKS, UNDERWEAR, UNIFORMS, AND ENLISTED MEN'S NECKERCHIEFS.
Claims use since Dec. 12, 1944.

Ser. No. 482,366. EDISON BROS. STORES, INC., St. Louis, Mo. Filed Apr. 20, 1945.

Captivators

FOR LADIES' SHOES MADE OF LEATHER, RUBBER, FABRICS, PLASTIC, AND COMBINATIONS THEREOF.
Claims use since Mar. 1, 1945.

Ser. No. 482,834. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed May 1, 1945.

ARONET

FOR OUTER SHIRTS, HANDKERCHIEFS, NECKTIES, AND UNDERWEAR FOR MEN.
Claims use upon outer shirts since February 1932; and upon handkerchiefs, neckties, and underwear for men since April 1942.

Ser. No. 482,937. MADAME MATHILDE GLOVES, New York, N. Y. Filed May 3, 1945.

Madame Mathilde Gloves

The word "Gloves" is disclaimed apart from the mark. FOR LADIES' GLOVES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.

Claims use since Feb. 7, 1933.

Ser. No. 482,985. GIMBEL BROTHERS, INC., New York, N. Y. Filed May 4, 1945.

John Petrizi

FOR MEN'S AND BOYS' CLOTHING—NAMELY, UNDERWEAR, OUTER SHIRTS, NECKTIES, SOCKS, SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF, SUITS, JACKETS, TROUSERS, BELTS FOR OUTER WEAR, COATS, RAINCOATS, HATS, GLOVES MADE OF LEATHER AND FABRIC, PAJAMAS, BATHROBES, LOUNGING ROBES, AND SWEATERS.

Claims use since Apr. 18, 1945.

Ser. No. 483,142. LILY OF FRANCE CORSET COMPANY, INC., New York, N. Y. Filed May 9, 1945.

Girlette

FOR CORSETS, BRASSIÈRES, AND GARTER BRASSIÈRES AND GIRDLES.

Claims use since Feb. 25, 1924.

Ser. No. 483,627. OGUS, RABINOVICH & OGUS, INC., New York, N. Y. Filed May 21, 1945.

Top Knot

FOR LADIES' HATS.

Claims use since Feb. 13, 1945.

Ser. No. 483,981. MACWIL, INC., New York, N. Y. Filed May 30, 1945.

Macwil

FOR SKI SUITS, SKI TROUSERS, AND SKI JACKETS FOR MEN AND WOMEN; SKIRTS, BLOUSES, SLACKS, DRESSES, AND PLAY SUITS.

Claims use since Aug. 1, 1932.

Ser. No. 484,099. THE MEADTEX FABRICS CO., New York, N. Y. Filed June 2, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

EVENTYME

FOR LADIES', MISSES', AND GIRLS' DRESSES, APRONS, SLIPS, PLAYSUITS, PINAFORES, AND BLOUSES.

Claims use since Mar. 21, 1944.

Ser. No. 484,468. TEXTRON, INCORPORATED, Providence, R. I. Filed June 12, 1945.

TEXTRON

FOR NEGLIGÉES FOR WOMEN, MEN'S SHORTS, AND MEN'S ROBES.

Claims use to negligees for women since Aug. 23, 1944; to men's shorts since Sept. 25, 1944; and to men's robes since Sept. 12, 1944.

Ser. No. 484,538. MUNSINGWEAR, INC., Minneapolis, Minn. Filed June 14, 1945.

SKIT

FOR MEN'S AND BOYS' UNDERWEAR AND OUTER SHIRTS.

Claims use since Oct. 1, 1935.

Ser. No. 484,963. LUSTBERG, NAST & CO., INC., New York, N. Y. Filed June 23, 1945.

Lustray

FOR MEN'S, WOMEN'S, AND BOYS' JACKETS, MACKINAWS, AND RAINCOATS.

Claims use since March 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 464,925. MORTON SUNDOUR FABRICS LIMITED, Dentonhill, Carlisle, England. Filed Nov. 11, 1943.

SUNDOUR

FOR PIECE GOODS OF COTTON, WOOL, WORSTED, LINEN, JUTE, RAMIE, HAIR, HEMP, SILK, RAYON FIBRES, REGENERATED CELLULOSE FIBRES, ASBESTOS FIBRES, GLASS FIBRES, POLYAMIDE FIBRES, PROTEIN FIBRES, VINYL FIBRES, VINYLIDENE FIBRES, ALGINATE FIBRES, FIBRES COATED WITH SYNTHETIC PLASTIC MATERIALS, OR ADMIXTURES OF THESE MATERIALS; COVERLETS OR BEDSPREADS, BED SHEETS, BED BLANKETS, BED HANGINGS, CHADLE COVERS, NIGHTDRESS AND PYJAMA CASES, BED CANOPIES OF TEXTILE MATERIAL, MANTLE DRAPERIES, SIDEBORD COVERS, WINDOW SHADE CLOTH IN THE FORM OF YARDAGE, BROCADE CLOTHS, UPHOLSTERY CLOTHS, CUSHION COVERS, CURTAINS, WALL HANGINGS, WALL COVERINGS OF TEXTILE MATERIAL, PILLOW CASES, BOLSTER CASES, QUILTS, VALANCES, CARPETS, FLOOR RUGS, AND FLOOR MATS.

Claims use since July 20, 1909.

Ser. No. 467,549. M & W THOMAS CO., New York, N. Y. Filed Feb. 18, 1944.

BANDLEY

FOR PIECE GOODS OF SILK, RAYON, COTTON, AND WOOL, AND COMBINATIONS THEREOF INTENDED FOR MAKING NECKTIES.

Claims use since Feb. 16, 1944.

Ser. No. 478,963. THE LANDERS CORPORATION, Toledo, Ohio. Filed Jan. 24, 1945.

FLANELAN

FOR WATERPROOFED AND WATER-REPELLENT TEXTILE FABRICS OF COTTON.

Claims use since December 1943.

Ser. No. 478,965. THE LANDERS CORPORATION, Toledo, Ohio. Filed Jan. 24, 1945.

SANI-SOLE

The word "Sole" apart from the mark as used is disclaimed.

FOR COATED OR IMPREGNATED CLOTH FOR USE IN MAKING SHOE INSOLES.

Claims use since July 1935.

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Ser. No. 478,967. THE LANDERS CORPORATION, Toledo, Ohio. Filed Jan. 24, 1945.

STEDI-TRED

FOR COATED OR IMPREGNATED CLOTH FOR USE IN MAKING INNERSOLES FOR SHOES.

Claims use since June 1939.

Ser. No. 478,969. THE LANDERS CORPORATION, Toledo, Ohio. Filed Jan. 24, 1945.

VERSILAN

FOR PLASTIC COATED COTTON FABRICS.

Claims use since January 1942.

Ser. No. 479,575. THE LANDERS CORPORATION, Toledo, Ohio. Filed Feb. 8, 1945.

PALMTX

The right to the exclusive use of the picture of a work glove is disclaimed apart from the mark as shown.

FOR TREATED COTTON TEXTILE PIECE GOODS FOR USE IN MAKING WORK GLOVES.

Claims use since June 1931.

Ser. No. 482,202. RUBE P. HOFFMAN, Los Angeles, Calif. Filed Apr. 16, 1945.

*Tailored
Sunshine*

The descriptive word "Tailored" is disclaimed except in connection with the mark as shown.

FOR PIECE GOODS OF WOOL, COTTON, SILK, AND RAYON AND OF MIXTURES THEREOF.

Claims use since Sept. 1, 1944.

CLASS 43

THREAD AND YARN

Ser. No. 483,516. THE DOBECKMUN COMPANY, Cleveland, Ohio. Filed May 18, 1945.

LUREX

FOR YARN AND THREAD COMPRISED EITHER IN WHOLE OR IN PART OF LAMINATED FILM HAVING A METALLIC APPEARANCE, INCLUDING GIMP COMPRISED OF A FILAMENT OR YARN SPIRALLY OVERWRAPPED WITH COATED OR LAMINATED FOIL WHICH HAS BEEN SLIT TO A NARROW WIDTH, SAID OVERWRAPPING IMPARTING A METALLIC APPEARANCE.

Claims use since May 4, 1945.

Ser. No. 484,920. UNIQUE FIBERS, INC., New York, N. Y. Filed June 22, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

Natura

FOR YARN SPUN FROM MIXTURES OF RAYON AND FUR, AND RAYON, FUR, AND WOOL.

Claims use since Sept. 15, 1944.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 471,208. JOSEPH E. DEMBENSKI, New York, N. Y. Filed June 14, 1944.



No claim is made to the words "A Tooth Comb" and to the representation of the goods apart from the mark. The drawing is lined for shading. The figures are fanciful. FOR DEVICES EQUIPPED WITH DENTAL FLOSS FOR PICKING THE TEETH.

Claims use since Apr. 29, 1944.

Ser. No. 473,255. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Filed Aug. 14, 1944. Under section 5b of the act of 1905, as amended in 1920 as to "Kroger's."



No claim is made to the words "Guaranteed Brand" apart from the mark.

FOR SANITARY NAPKINS.

Claims use since Feb. 15, 1944.

Ser. No. 484,489. HORTON & CONVERSE, Los Angeles, Calif. Filed June 13, 1945.

PERCUTAINER

FOR A COMBINATION CONTAINER AND DEVICE FOR DELIVERING MEASURED AMOUNTS OF SOLID, SEMI-SOLID, OR GELATINOUS MATERIALS, FOR PERCUTANEOUS ADMINISTRATION.

Claims use since Oct. 20, 1941.

Ser. No. 485,758. CORALITE DENTAL PRODUCTS COMPANY, Chicago, Ill. Filed July 13, 1945.

Coralite

FOR ACRYLIC TEETH.

Claims use since June 25, 1945.

Ser. No. 486,121. THE SCHOLL MFG. CO., INC., Chicago, Ill. Filed July 21, 1945.

MECALITE

FOR ARCH SUPPORTS.

Claims use since Aug. 10, 1942.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 484,532. SAMUEL KATAJAN, doing business as Nobscot Mountain Spring Water Co., Framingham, Mass. Filed June 14, 1945. Under 10-year proviso.

Nobscot

FOR NATURAL SPRING WATER, CARBONATED WATER, AND NONALCOHOLIC, NONCEREAL, MALT-LESS BEVERAGES SOLD AS SOFT DRINKS.

Claims use since 1892.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 459,177. SCHUCKL & CO., INC., doing business as Sunnyvale Packing Company, Sunnyvale, Calif. Filed Mar. 17, 1943.

BLACK KNIGHT

FOR CANNED AND GLASS PACKED FRUITS AND VEGETABLES AND CANNED SOUPS.

Claims use on canned and glass packed fruits and vegetables since Jan. 23, 1920; and on canned soup since Sept. 19, 1939.

Ser. No. 460,489. W. D. WOODROOF, doing business as W. & W. Fruit Company, Edinburg, Tex. Filed May 7, 1943.

RED ARROW

FOR FRESH TOMATOES.

Claims use since Apr. 19, 1943.

Ser. No. 478,877. JELLUM, INC., Joliet, Ill. Filed Jan. 22, 1945.

Nan's

FOR FOOD MIXTURE FOR MAKING GRAVY THE PRINCIPAL INGREDIENTS OF WHICH ARE WHEAT AND SOY FLOUR, BEEF EXTRACT, CARAMEL, POWDERED ONION AND SEASONING.

Claims use since Dec. 16, 1944.

Ser. No. 481,655. THE SHOTWELL MFG. CO., Chicago, Ill. Filed Apr. 2, 1945.

BIG YANK

FOR CANDY BARS.

Claims use since Aug. 14, 1935.

Ser. No. 482,320. J. T. GIBBONS, INC., New Orleans, La. Filed Apr. 19, 1945.

GIBBONS MASTER

No claim is made to the word "Gibbons" apart from the mark as shown.

FOR FEED FOR POULTRY—NAMELY, LAYING MASH, GROWING MASH, BROILER MASH, AND STARTING MASH.

Claims use since May 1, 1939.

Ser. No. 485,256. BAKER IMPORTING COMPANY, INC., New York, N. Y. Filed June 30, 1945.

HYCAFE

No claim is made to the exclusive use of the word "Cafe" except in the combination shown.

FOR COFFEE EXTRACT.

Claims use since June 18, 1945.

Ser. No. 485,764. DELSOY PRODUCTS, INC., New York, N. Y. Filed July 13, 1945.

Delsoy Topping

No claim is made to the exclusive use of the word "Topping" apart from the mark as shown.

FOR A FOOD PREPARATION IN LIQUID FORM ADAPTED TO BE BEATEN INTO PASTE FORM SUITABLE FOR THE ORNAMENTATION OR TRIMMING OF CAKES, PASTRIES, SUNDAES, DESSERTS, AND THE LIKE.

Claims use since June 29, 1945.

CLASS 50

MERCHANDISE NOT OTHERWISE
CLASSIFIED

Ser. No. 477,975. GOODYEAR RUBBER SUNDRIES, INC., New Haven, Conn. Filed Dec. 27, 1944.

Goodyear - Guardian

The name "Goodyear" is disclaimed apart from the mark as shown.
FOR LAMINATED SYNTHETIC RUBBER CRIB SHEETS.

Claims use since Dec. 4, 1944.

Ser. No. 479,832. ARMSTRONG CORK COMPANY, Manheim Township, Pa. Filed Feb. 15, 1945.

HYDROCORK

FOR BLOCKS OR SLABS OF CORK COMPOSITION FOR VARIOUS PURPOSES IN THE INDUSTRIAL ARTS.
Claims use since Aug. 4, 1944.

Ser. No. 483,617. THE GRENEKER CORPORATION, New York, N. Y. Filed May 21, 1945.



No claim is made to the words "The Greneker Corporation" apart from the mark shown.
FOR HEADS AND MANIKINS USED FOR THE DISPLAY OF HATS AND CLOTHING.
Claims use since Mar. 1, 1945.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

OCTOBER 16, 1945

417,056. DISTILLED ALCOHOLIC LIQUORS AND MORE PARTICULARLY RUM. RONRICO CORPORATION, San Juan, P. R., and Miami, Fla.
Filed November 12, 1941. Serial No. 448,581. PUBLISHED JULY 17, 1945. Class 49.

417,057. COMPOSITION OF SOLID ALCOHOLS AND STEROLS PREPARED FROM WOOL GREASE AND USED AS AN EMULSIFYING AGENT, AS A PLASTIFIER FOR RUBBER AND ARTIFICIAL RUBBER, AS A THICKENER FOR OILS AND GREASES AND AS AN INGREDIENT TO BE USED IN PHARMACEUTICAL, COSMETIC, AND TOILET PREPARATIONS. CRODA LIMITED, Gooles, England.
Filed July 14, 1943. Serial No. 462,069. PUBLISHED AUGUST 7, 1945. Class 6.

417,058. REDWOOD FIBER SOLD IN SHEETS, ROLLS, AND BALES AND USED FOR VARIOUS PURPOSES IN THE INDUSTRIAL ARTS. REDWOOD FIBER PRODUCTS COMPANY, INC., Santa Cruz, Calif.
Filed July 26, 1943. Serial No. 462,321. PUBLISHED AUGUST 7, 1945. Class 1.

417,059. NONALCOHOLIC BEVERAGES, SOLD AS SOFT DRINKS. LESTER N. PAGE, Chicago, Ill.
Filed August 16, 1943. Serial No. 462,777. PUBLISHED DECEMBER 14, 1943. Class 45.

417,060. BRASSIERES. HOLLYWOOD-MAXWELL CO., Los Angeles, Calif.
Filed September 17, 1943. Serial No. 463,459. PUBLISHED DECEMBER 26, 1944. Class 39.

417,061. AQUEOUS LIQUIDS CONTAINING GLYCERINE FOR USE AS A PLASTICIZER FOR HYDROPHILIC SHEET MATERIALS. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y.
Filed September 22, 1943. Serial No. 463,589. PUBLISHED JULY 31, 1945. Class 6.

417,062. HAIRDRESSING PREPARATION. THE BOYD MANUFACTURING COMPANY, INC., Birmingham, Ala.
Filed September 27, 1943. Serial No. 463,720. PUBLISHED MAY 30, 1944. Class 6.

417,063. HYDRAULIC UNITARY CONTROL APPARATUS COMPRISING MANUALLY OPERATED PRESSURE ACTUATOR MASTER UNITS, EQUALIZERS AND HYDRAULIC SLAVE UNITS FOR USE ON AIRCRAFT, LOCOMOTIVES, WATERCRAFT AND MACHINERY AS OPERATIONAL UNITS. ADEL PRECISION PRODUCTS CORP., Burbank, Calif.
Filed December 13, 1943. Serial No. 465,727. PUBLISHED AUGUST 7, 1945. Class 23.

417,064. WAVE SET, BRILLIANTINE, ROSE HAIR OIL AND HAIR POMADE. PENNEX PRODUCTS COMPANY, Pittsburgh, Pa.
Filed December 28, 1943. Serial No. 466,120. PUBLISHED JULY 31, 1945. Class 6.

417,065. CERAMIC COOKING WARE. COOKWARE ASSOCIATES, Bucyrus, Ohio.
Filed January 15, 1944. Serial No. 466,607. PUBLISHED JULY 31, 1945. Class 30.

417,066. LAXATIVE MEDICINAL COMPOUND. ERNST C. WRAMPELMEIER, doing business as Vola-Vin Medicine Co., Cincinnati, Ohio, assignor to Batanilax Corporation, Knoxville, Tenn.
Filed March 9, 1944. Serial No. 468,180. PUBLISHED JULY 31, 1945. Class 6.

417,067. PIECE GOODS FABRICS MADE OF RAYON OR WOOLEN FIBRES OR COMBINATIONS OF THE SAME. RAYLAINE WORSTEDS, INC., Manchester, N. H.
Filed March 20, 1944. Serial No. 468,474. PUBLISHED JULY 31, 1945. Class 42.

417,068. PIECE GOODS FABRICS MADE OF RAYON OR WOOLEN FIBRES OR COMBINATIONS OF THE SAME. RAYLAINE WORSTEDS, INC., Manchester, N. H.
Filed March 20, 1944. Serial No. 468,475. PUBLISHED JULY 31, 1945. Class 42.

417,069. ALIVE AND DRESSED POULTRY AND EGGS. VAL-LO-WILL FARMS, INC., Evanston, Ill.
Filed March 20, 1944. Serial No. 468,482. PUBLISHED JULY 31, 1945. Class 46.

417,070. FACIAL MAKE-UP, LIPSTICK, LIP ROUGE, SALVE FOR THE LIPS, AND LIP PENCIL. GIBBS & COMPANY, Chicago, Ill.
Filed March 24, 1944. Serial No. 468,604. PUBLISHED AUGUST 7, 1945. Class 6.

417,071. WINES. MARCO IMPORTING CO., Chicago, Ill.
Filed March 31, 1944. Serial No. 468,893. PUBLISHED JULY 17, 1945. Class 47.

417,072. COMPOUND FOR STERILIZING AND TREATING WATER. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed April 17, 1944. Serial No. 469,386. PUBLISHED AUGUST 7, 1945. Class 6.

417,073. RUM. GENERAL DISTILLERIES CORPORATION, Hartford, Conn.
Filed April 21, 1944. Serial No. 469,533. PUBLISHED JULY 3, 1945. Class 49.

417,074. BOYS', GIRLS', AND INFANTS' WEAR—NAMES, DRESSES, COATS, SUITS, SWEATERS, SHIRTS, BLOUSES, UNDERWEAR, ETC. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y.
Filed May 3, 1944. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 469,912. PUBLISHED JULY 31, 1945. Class 39.

417,075. SHOES MADE OF LEATHER, FABRIC OR RUBBER OR COMBINATIONS OF SAID MATERIALS. KIRSCH-BLACHE COMPANY, INC., New York, N. Y.
Filed May 6, 1944. Serial No. 469,994. PUBLISHED JULY 24, 1945. Class 39.

417,076. STICKERS MADE OF PAPER, PLACE CARDS, PAPER NAPKINS, EMPTY PAPER MATCH PACKS, AND BLANK TALLY CARDS. BELLE ANDERSON, Chicago, Ill.
Filed May 11, 1944. Serial No. 470,132. PUBLISHED AUGUST 7, 1945. Class 37.

417,077. PETROLEUM PRODUCTS—NAMES, CRUDE OIL, GASOLINE, CASINGHEAD GASOLINE, ETC. BARECO OIL COMPANY, Tulsa, Okla.
Filed May 12, 1944. Serial No. 470,171. PUBLISHED JULY 17, 1945. Class 15.

417,078. VESTES AND DICKEYS. BAAR & BEARDS, Inc., New York, N. Y.
Filed May 25, 1944. Serial No. 470,598. PUBLISHED AUGUST 8, 1944. Class 39.

417,079. BOYS', GIRLS', AND INFANTS' WEAR—NAMES, DRESSES, COATS, SUITS, SWEATERS, SHIRTS, BLOUSES, UNDERWEAR, ETC. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y.
Filed June 14, 1944. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 471,234. PUBLISHED JULY 31, 1945. Class 39.

- 417,080. BOB PINS. ROYAL HAIR PIN CORPORATION, New York, N. Y.
Filed June 21, 1944. Serial No. 471,490. PUBLISHED JULY 31, 1945. Class 40.
- 417,081. CHEMICAL PREPARATIONS FOR REMOVING CARBON AND SLUDGE FROM INTERNAL COMBUSTION ENGINES, MOTOR PARTS, AND THE LIKE. TURCO PRODUCTS, INC., Los Angeles, Calif.
Filed June 21, 1944. Serial No. 471,501. PUBLISHED AUGUST 7, 1945. Class 6.
- 417,082. PIECE GOODS OF COTTON, RAYON, AND MIXTURES OF COTTON AND RAYON. HERBERT MANUFACTURING COMPANY, New York, N. Y.
Filed June 24, 1944. Serial No. 471,605. PUBLISHED JULY 17, 1945. Class 42.
- 417,083. FABRICS IN THE PIECE, OF WOOL, COTTON, SILK, RAYON, OR MIXTURES THEREOF. WULLSCHLEGER & Co., New York, N. Y.
Filed June 27, 1944. Serial No. 471,725. PUBLISHED JULY 17, 1945. Class 42.
- 417,084. BEDSPREADS. BATES MANUFACTURING COMPANY, Lewiston, Maine.
Filed July 1, 1944. Serial No. 471,847. PUBLISHED DECEMBER 12, 1944. Class 42.
- 417,085. RADIO RECEIVERS, RADIO TUBES, RADIO AMPLIFIERS, RADIO TRANSMITTERS, AND COMBINATION RADIO TRANSMITTERS AND RECEIVERS. HYTRON CORPORATION, Salem, Mass.
Filed July 3, 1944. Serial No. 471,902. PUBLISHED JULY 31, 1945. Class 21.
- 417,086. MEN'S SUITS, VESTS, TROUSERS, TOPCOATS, AND OVERCOATS. MICHAELS, STERN & COMPANY, INC., Rochester, N. Y.
Filed July 10, 1944. Serial No. 472,075. PUBLISHED JULY 31, 1945. Class 39.
- 417,087. LIGHT INTERCEPTING VENTILATORS FOR USE IN THE PORT HOLES OF SHIPS FOR PREVENTING LIGHT TRANSMISSION AND PERMITTING AIR FLOW. RAMBUSCH DECORATING COMPANY, New York, N. Y.
Filed July 15, 1944. Serial No. 472,301. PUBLISHED JULY 31, 1945. Class 19.
- 417,088. FACE CREAM. SOPHIA WILETS, doing business under the name of Mrs. E. Wilets, Burlington, Wis.
Filed July 17, 1944. Serial No. 472,348. PUBLISHED AUGUST 7, 1945. Class 6.
- 417,089. LOOM SUPPLIES—NAMESLY, SWEEPSTICKS, BINDERS, PICKERS, PICKER STICKS, LUG STRAPS, CHECK STRAPS, JACK STRAPS. E. H. JACOBS MANUFACTURING CO., INC., Danielson, Conn.
Filed July 20, 1944. Serial No. 472,424. PUBLISHED AUGUST 7, 1945. Class 23.
- 417,090. VERMOUTHS, CHAMPAGNES, AND OTHER WINES. SAMUEL STEINBACH, doing business as Madera Bonded Wine & Liquor Company, Baltimore, Md.
Filed July 21, 1944. Serial No. 472,470. PUBLISHED JULY 31, 1945. Class 47.
- 417,091. CHEMICAL COMPOSITION USER AS A RUST OR CORROSION INHIBITOR. PETROLITE CORPORATION, LTD., St. Louis, Mo.
Filed July 31, 1944. Serial No. 472,785. PUBLISHED JULY 17, 1945. Class 6.
- 417,092. MEDICINAL PREPARATION FOR PARENTERAL ADMINISTRATION—NAMESLY, CALCIUM LEVLINATE FOR USE IN CONDITIONS OF CALCIUM DEFICIENCY AND TETANY, AND FOR USE PRE-OPERATIVELY. INGRAM LABORATORIES, INC., San Francisco, Calif.
Filed August 2, 1944. Serial No. 472,854. PUBLISHED JANUARY 30, 1945. Class 6.

- 417,093. ROLL HOLDER AND CUTTER FOR USE IN DISPENSING LENGTHS OF ADHESIVE TAPE OR THE LIKE FROM ROLLS THEREOF. THE KENDALL COMPANY, Walpole, Mass.
Filed August 9, 1944. Serial No. 473,102. PUBLISHED AUGUST 7, 1945. Class 23.
- 417,094. COMIC STRIP. ANGLO-AMERICAN PUBLISHING COMPANY LIMITED, Toronto, Ontario, Canada.
Filed August 11, 1944. Serial No. 473,174. PUBLISHED JULY 31, 1945. Class 38.
- 417,095. ESTERS OF OILY OR WAXY NATURE, OR APPROACHING SUCH NATURE, USED ALONE OR IN COMBINATION WITH OTHER CHEMICALS IN INDUSTRIAL PROCESSING AND CHEMICAL MANUFACTURING OR COMPOUNDING. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa.
Filed August 16, 1944. Serial No. 473,335. PUBLISHED FEBRUARY 27, 1945. Class 6.
- 417,096. FACE POWDER. HATTIE CARNEGIE, INC., New York, N. Y.
Filed August 18, 1944. Serial No. 473,409. PUBLISHED JULY 31, 1945. Class 6.
- 417,097. TALCUM POWDER, DEODORANT, CLEANSING CREAM AND SKIN FRESHENER. RICHARD HUDNUT, New York, N. Y.
Filed August 29, 1944. Serial No. 473,700. PUBLISHED AUGUST 7, 1945. Class 6.
- 417,098. RAYON PIECE GOODS. WULLSCHLEGER & Co., New York, N. Y.
Filed September 7, 1944. Serial No. 473,971. PUBLISHED JULY 17, 1945. Class 42.
- 417,099. WRIST WATCH STRAPS MADE OF LEATHER OR FABRIC. COWEN BROS., New York, N. Y.
Filed September 25, 1944. Serial No. 474,583. PUBLISHED DECEMBER 5, 1944. Class 40.
- 417,100. MOTOR-GENERATOR APPARATUS AND RADIO APPARATUS—NAMESLY, TRANSMITTERS, RECEIVERS AND POWER CONTROL SWITCHES. MACKAY RADIO AND TELEGRAPH COMPANY INC., New York, N. Y.
Filed September 26, 1944. Serial No. 474,614. PUBLISHED JULY 31, 1945. Class 21.
- 417,101. MEN'S OVERCOATS AND TOPCOATS, AND SUITS—NAMESLY, COATS, PANTS, AND VESTS. JOSEPH M. KLEIN, New York, N. Y.
Filed October 2, 1944. Serial No. 474,806. PUBLISHED JULY 31, 1945. Class 39.
- 417,102. RUM, BRANDY, WHISKEY, GIN AND ALCOHOLIC CORDIALS. SCHENLEY INTERNATIONAL CORPORATION, New York, N. Y.
Filed October 9, 1944. Serial No. 475,130. PUBLISHED JULY 17, 1945. Class 49.
- 417,103. SHOES AND SLIPPERS MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC. CORBLERS, INC., Los Angeles, Calif.
Filed October 20, 1944. Serial No. 475,530. PUBLISHED JULY 24, 1945. Class 39.
- 417,104. TESTICULAR AND PROSTATIC EXTRACT USED IN THE TREATMENT OF MALE HYPOGONADISM, PROSTATIC HYPERTROPHY AND OTHER CONDITIONS DUE TO ANDROGENIC INSUFFICIENCY. THE LLEWELLYN BIOLOGICAL INSTITUTE, Los Angeles, Calif.
Filed November 3, 1944. Serial No. 476,069. PUBLISHED AUGUST 7, 1945. Class 6.
- 417,105. OVARIAN, TESTICULAR AND PROSTATIC EXTRACT USED FOR THE TREATMENT OF CONDITIONS REQUIRING ADMINISTRATIONS OF ESTROGENS. THE LLEWELLYN BIOLOGICAL INSTITUTE, Los Angeles, Calif.
Filed November 3, 1944. Serial No. 476,070. PUBLISHED AUGUST 7, 1945. Class 6.

- 417,106. WATCHES. HOROWITZ & SON, INC., New York, N. Y.
Filed November 4, 1944. Serial No. 476,102. PUBLISHED AUGUST 7, 1945. Class 27.
- 417,107. MEN'S SUITS AND CLOTHING—NAMESLY, OVERCOATS, SPORT COATS, AND PANTS. SCHWOB MANUFACTURING COMPANY, Columbus, Ga.
Filed November 13, 1944. Serial No. 476,405. PUBLISHED JULY 24, 1945. Class 39.
- 417,108. KITCHEN UTENSILS—NAMESLY, STEAM KETTLES, PRESSURE CANNERS, PANS, COFFEE MAKING URNS, BOWLS, ETC. LEGION UTENSILS CORPORATION, Long Island City, N. Y.
Filed November 14, 1944. Serial No. 476,439. PUBLISHED JULY 31, 1945. Class 13.
- 417,109. CALOMEL AND SULFATHIAZOLE MEDICAMENTS USED IN LOCAL ANAESTHETICS, SPERMATICIDES, ETC. INTERNATIONAL PULVERIZING CORPORATION, Moorestown, N. J.
Filed November 16, 1944. Serial No. 476,515. PUBLISHED AUGUST 7, 1945. Class 6.
- 417,110. ESSENTIAL OILS USED IN MEDICINE AND PHARMACY. PLAIMAR LIMITED, West Perth, Western Australia, Australia.
Filed November 22, 1944. Serial No. 476,781. PUBLISHED AUGUST 7, 1945. Class 6.
- 417,111. TOILET PREPARATIONS—NAMESLY, AFTER SHAVE LOTION, BRILLIANTINE, HAIR OIL, COCONUT SHAMPOO AND RUBBING MASSAGE COMPOUND. GERALD CORPORATION, doing business as Rocket Products Company, St. Louis, Mo.
Filed November 28, 1944. Serial No. 476,962. PUBLISHED APRIL 3, 1945. Class 6.
- 417,112. RAYON PIECE GOODS. BELVEDERE FABRICS INC., New York, N. Y.
Filed November 30, 1944. Serial No. 477,052. PUBLISHED MARCH 20, 1945. Class 42.
- 417,113. CLOCKS AND WATCHES. THE UNITED STATES TIME CORPORATION, Waterbury, Conn.
Filed December 2, 1944. Serial No. 477,169. PUBLISHED AUGUST 7, 1945. Class 27.
- 417,114. PIECE GOODS OF SILK, RAYON, METAL THREADS, WOOL, LINEN, AND COTTON, AND OF VARIOUS MIXTURES THEREOF. FREDERICK NORMAN HIRST, London, England.
Filed December 4, 1944. Serial No. 477,195. PUBLISHED JULY 10, 1945. Class 42.
- 417,115. COTTON AND RAYON TEXTILE GOODS IN THE PIECE AND IN CUT LENGTHS. J. RICHMAN & COMPANY, New York, N. Y.
Filed December 13, 1944. Serial No. 477,529. PUBLISHED JULY 31, 1945. Class 42.
- 417,116. MEDICINAL PREPARATION FOR TREATMENT OF GASTRO-INTESTINAL DISTURBANCES. THE RESERVE RESEARCH COMPANY, Cleveland, Ohio.
Filed October 19, 1944. Serial No. 475,512. PUBLISHED AUGUST 7, 1945. Class 6.
- 417,117. INSECTICIDES. BENJAMIN D. SMITH, doing business as Smith Manufacturing Company, Utica, N. Y.
Filed November 1, 1944. Serial No. 475,999. PUBLISHED JULY 31, 1945. Class 6.
- 417,118. CLAMP-TYPE COUPLINGS FOR USE ON PIPES, CONDUITS, AND THE LIKE. THE FEDERAL MACHINE AND WELDER COMPANY, Warren, Ohio.
Filed December 15, 1944. Serial No. 477,601. PUBLISHED JULY 31, 1945. Class 13.
- 417,119. HAIR DRESSING PREPARATION AND AN AFTER SHAVE DRESSING PREPARATION. "42" PRODUCTS, LTD., doing business as Windsor House, Ltd., Los Angeles, Calif.
Filed December 18, 1944. Serial No. 477,691. PUBLISHED JULY 31, 1945. Class 6.
- 417,120. BOOTS AND SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. INTERNATIONAL SHOE COMPANY, St. Louis, Mo.
Filed December 19, 1944. Serial No. 477,745. PUBLISHED MAY 15, 1945. Class 39.
- 417,121. CANDY. HORATIO C. OLMSTEAD, doing business as Olmy's Chevy Chase, Candies, Washington, D. C.
Filed December 22, 1944. Serial No. 477,855. PUBLISHED AUGUST 7, 1945. Class 46.
- 417,122. VITAMIN PRODUCT—I. E., A HIGH CONCENTRATION VITAMIN A CAPSULE. TESTAGAR & Co., Inc., Detroit, Mich.
Filed December 23, 1944. Serial No. 477,901. PUBLISHED AUGUST 7, 1945. Class 6.
- 417,123. MEDICINAL PREPARATION—I. E., A SOY BEAN LECITHIN. TESTAGAR & Co., Inc., Detroit, Mich.
Filed December 23, 1944. Serial No. 477,902. PUBLISHED AUGUST 7, 1945. Class 6.
- 417,124. STAMPED SHEET METAL FASTENERS ADAPTED TO BE USED IN LIEU OF NUTS AND WASHERS HAVING ANCHORING BASE FLANGES, FORMED IN VARIOUS SHAPES AND A TUBULAR THREADED BUSHING FOR ENGAGEMENT WITH THREADED SCREWS, ETC. UNITED-CARR FASTENER CORPORATION, Cambridge, Mass.
Filed January 5, 1945. Serial No. 478,301. PUBLISHED AUGUST 7, 1945. Class 13.
- 417,125. BOOTS AND SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. INTERNATIONAL SHOE COMPANY, St. Louis, Mo.
Filed January 4, 1945. Serial No. 478,219. PUBLISHED JULY 24, 1945. Class 39.
- 417,126. MOUTH WASH. GEORGE JAY MILLER, doing business as Gilcrest Pharmacal Co., Toledo, Ohio.
Filed January 4, 1945. Serial No. 478,235. PUBLISHED JULY 31, 1945. Class 6.
- 417,127. VEGETABLE BUNCH AND PACKAGE TYING MACHINE. FELINS TYING MACHINE COMPANY, Milwaukee, Wis.
Filed January 5, 1945. Serial No. 478,271. PUBLISHED JULY 31, 1945. Class 23.
- 417,128. RAINCOATS FOR WOMEN AND GIRLS. WEATHERCRAFT COMPANY, New York, N. Y.
Filed January 11, 1945. Serial No. 478,527. PUBLISHED AUGUST 7, 1945. Class 39.
- 417,129. COTTON SHEETS, PILLOW CASES, WASH CLOTHS, QUILT COVERS, MATTRESS COVERS, HAND, FACE, DISH AND BATH TOWELS, CURTAINS, DRAPES, TABLE CLOTHS, AND TABLE NAPKINS. LAWRENCE CONVERTERS INC., New York, N. Y.
Filed January 12, 1945. Serial No. 478,554. PUBLISHED JULY 10, 1945. Class 42.
- 417,130. ELASTIC COLLAR CLASPS OR HOLDERS. ALBERT C. PATCH, Topeka, Kans.
Filed January 16, 1945. Serial No. 478,688. PUBLISHED JULY 31, 1945. Class 40.
- 417,131. WHISKEY, BRANDY, GIN, AND LIQUEUR. THE LANSDOWNE DISTILLERY, Havre de Grace and Baltimore, Md.
Filed January 25, 1945. Serial No. 479,005. PUBLISHED JULY 31, 1945. Class 49.
- 417,132. CHEMICAL PREPARATION HAVING FIRE-PROOFING AND FIRE RETARDING PROPERTIES AND USED FOR COATING AND IMPREGNATING FABRICS, LUMBER, AND OTHER INFLAMMABLE MATERIALS, AND FOR ADMIXTURE WITH LIQUID COATING COMPOSITIONS. JAY W. STUART, doing business as De-Oro-Lin Chemical Products, Los Angeles, Calif.
Filed January 26, 1945. Serial No. 479,054. PUBLISHED JULY 31, 1945. Class 6.

- 417,133. RAYON PIECE GOODS. JOSEPH GLUCK, New York, N. Y.
Filed January 27, 1945. Serial No. 479,070. PUBLISHED JULY 17, 1945. Class 42.
- 417,134. SHOES, SLIPPERS, AND BOOTS, MADE OF LEATHER, FABRIC, OR RUBBER OR A COMBINATION OF SAID MATERIALS, AND INSOLES THEREFOR. IAVING N. JOSEPH, Chicago, Ill.
Filed January 29, 1945. Serial No. 479,130. PUBLISHED AUGUST 7, 1945. Class 39.
- 417,135. INFANTS' SWEATERS, SUNSUITS, TODDLER SUITS, BATH ROBES, PRAM ROBES IN THE NATURE OF GARMENTS, BUNTINGS, BLOUSES, DRESSES, CREEPERS, HATS. CHARLES PINDYCK, Inc., New York, N. Y.
Filed January 31, 1945. Serial No. 479,253. PUBLISHED JULY 31, 1945. Class 39.
- 417,136. WOOLEN AND WORSTED FABRICS IN THE PIECE. JOHN WALTHER FABRICS, Inc., New York, N. Y.
Filed February 1, 1945. Serial No. 479,318. PUBLISHED JULY 17, 1945. Class 42.
- 417,137. PHARMACEUTICAL PREPARATIONS—NAMES, OINTMENTS, TABLETS, CAPSULES USED IN THE TREATMENT OF SKIN DISEASES, I. E., IMPETIGO, SEBORRHOEA, RINGWORM, POISON OAK DERMITITIS, ETC. D. B. BELL, Inc., San Francisco, Calif.
Filed February 5, 1945. Serial No. 479,413. PUBLISHED JULY 31, 1945. Class 6.
- 417,138. OINTMENT PREPARATION USED IN THE TREATMENT OF SEBORRHOEA. D. B. BELL, Inc., San Francisco, Calif.
Filed February 5, 1945. Serial No. 479,416. PUBLISHED JULY 31, 1945. Class 6.
- 417,139. OINTMENT PREPARATION USED IN THE TREATMENT OF SCABIES. D. B. BELL, Inc., San Francisco, Calif.
Filed February 5, 1945. Serial No. 479,417. PUBLISHED JULY 31, 1945. Class 6.
- 417,140. INFANTS' AND CHILDREN'S WASH CLOTHS, TOWELS, BATH BLANKETS AND SHEETS, ALL MADE OF KNITTED MATERIAL. EARNSHAW KNITTING COMPANY, Newton, Mass., now by change of name to The Vanta Company.
Filed February 5, 1945. Serial No. 479,427. PUBLISHED JULY 17, 1945. Class 42.
- 417,141. ROTARY BRUSHES, END BRUSHES, AND TWISTED STEM BRUSHES USED AS MACHINE ACCESSORIES FOR POLISHING AND CLEANING. THE OSBORN MANUFACTURING COMPANY, Cleveland, Ohio.
Filed February 5, 1945. Serial No. 479,442. PUBLISHED JULY 31, 1945. Class 23.
- 417,142. PREPARATION IN SUPPOSITORY FORM FOR THE RELIEF OF SPASM OF THE RESPIRATORY TRACT. ERNST BISCHOFF COMPANY, INCORPORATED, Ivoryton, Conn.
Filed February 8, 1945. Serial No. 479,549. PUBLISHED AUGUST 7, 1945. Class 6.
- 417,143. THROAT PASTILLES. OWEN E. WOODRUFF, doing business under the name of Owenswood Products Co., Buffalo, N. Y.
Filed February 7, 1945. Serial No. 479,609. PUBLISHED AUGUST 7, 1945. Class 6.
- 417,144. INDUSTRIAL GASES—NAMES, OXYGEN, HYDROGEN, ACETYLENE, NITROGEN, HELIUM, AND CARBON DIOXIDE. PURITAN COMPRESSED GAS CORPORATION, Kansas City, Mo.
Filed February 9, 1945. Serial No. 479,645. PUBLISHED JULY 31, 1945. Class 6.
- 417,145. PLASTIC OR METAL CORN HOLDERS WHICH IS IN THE NATURE OF A FORK FOR USE IN HOLDING CORN-ON-THE-COB FOR EATING, KNIVES, GRAPEFRUIT CORERS, GRATERS, JUICE EXTRACTORS, PICKLE FORKS, BUTTER SPREADERS. RENWAL MANUFACTURING CO., INC., New York, N. Y.
Filed February 9, 1945. Serial No. 479,648. PUBLISHED JULY 31, 1945. Class 23.
- 417,146. BRASSIERES. JEANETTE CORSET SHOPPE, Long Beach, Calif.
Filed February 13, 1945. Serial No. 479,746. PUBLISHED JULY 24, 1945. Class 39.
- 417,147. NONALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. OLD FASHION MA'S ROOT BEER BOTTLING COMPANY, Wilkes-Barre, Pa.
Filed February 14, 1945. Serial No. 479,807. PUBLISHED JULY 24, 1945. Class 45.
- 417,148. WINES. OSBORNE & Co., Puerto de Santa Maria, Spain.
Filed February 16, 1945. Serial No. 479,895. PUBLISHED JULY 24, 1945. Class 47.
- 417,149. HAT BODIES AND HATS FOR WOMEN AND CHILDREN. HENRY POLLAK, Inc., New York, N. Y.
Filed February 17, 1945. Serial No. 479,951. PUBLISHED AUGUST 7, 1945. Class 39.
- 417,150. SHOES MADE OF LEATHER AND RUBBER. NATHAN A. LAVESON, doing business as United Shoe Company, Philadelphia, Pa.
Filed February 20, 1945. Serial No. 480,023. PUBLISHED JULY 31, 1945. Class 39.
- 417,151. SHOES MADE OF LEATHER AND RUBBER. NATHAN A. LAVESON, doing business as United Shoe Company, Philadelphia, Pa.
Filed February 20, 1945. Serial No. 480,025. PUBLISHED JULY 31, 1945. Class 39.
- 417,152. SHOES MADE OF LEATHER AND RUBBER. NATHAN A. LAVESON, doing business as United Shoe Company, Philadelphia, Pa.
Filed February 20, 1945. Serial No. 480,026. PUBLISHED JULY 31, 1945. Class 39.
- 417,153. COTTON AND RAYON PIECE GOODS. MILTON C. BLUM, Inc., New York, N. Y.
Filed February 23, 1945. Serial No. 480,128. PUBLISHED JULY 24, 1945. Class 42.
- 417,154. POCKET KNIVES. IMPERIAL KNIFE COMPANY, Inc., Providence, R. I.
Filed February 27, 1945. Serial No. 480,291. PUBLISHED JULY 31, 1945. Class 23.
- 417,155. WATCHES. WELTA WATCH CO., LTD., Bienne, Switzerland.
Filed February 28, 1945. Serial No. 480,362. PUBLISHED AUGUST 7, 1945. Class 27.
- 417,156. BLANKETS MADE OF WOOL, COTTON, RAYON, AND OTHER SYNTHETIC OR REGENERATED FIBERS, AND COMBINATIONS THEREOF. NASHUA MANUFACTURING COMPANY, Boston, Mass.
Filed March 2, 1945. Serial No. 480,422. PUBLISHED JULY 10, 1945. Class 42.
- 417,157. BRUSHES USED AS MACHINE ACCESSORIES, WIRE BRUSHES AND BRUSHES MADE FROM WIRE FOR MOUNTING UPON SHAFTING, ROTARY BRUSHES FOR POLISHING AND CLEANING, AND SECTIONS AND PARTS OF SUCH BRUSHES. THE OSBORN MANUFACTURING COMPANY, Cleveland, Ohio.
Filed March 2, 1945. Serial No. 480,424. PUBLISHED AUGUST 7, 1945. Class 23.
- 417,158. TORQUE WRENCHES. RICHMONT, INC., Los Angeles, Calif.
Filed March 2, 1945. Serial No. 480,425. PUBLISHED JULY 31, 1945. Class 23.

- 417,159. EXTENSION SPEAKERS, THE SPEAKERS BEING PERMANENT MAGNETIC SPEAKERS ENCLOSED IN COVERED WOODEN BOXES EQUIPPED WITH VOLUME CONTROL. SNI-DOR RADIOELECTRIC LIMITED, Montreal, Quebec, Canada.
Filed March 5, 1945. Serial No. 480,529. PUBLISHED JULY 31, 1945. Class 21.
- 417,160. HAIR DRESSING, AFTER SHAVE LOTION AND AFTER SHAVE TALC. IRENE BLAKE COSMETICS, Inc., also doing business as Artfield Creations, New York, N. Y.
Filed March 7, 1945. Serial No. 480,558. PUBLISHED JULY 31, 1945. Class 6.
- 417,161. ELECTRICAL AMPLIFIERS. REX COLE, Inc., Long Island City, N. Y.
Filed March 7, 1945. Serial No. 480,562. PUBLISHED JULY 31, 1945. Class 21.
- 417,162. TEXTILE FABRICS IN THE PIECE MADE OF SILK, COTTON, WOOL, RAYON, NYLON, PROTEIN FIBRES, OR MIXTURES THEREOF. HAFNER ASSOCIATES, Inc., New York, N. Y.
Filed March 7, 1945. Serial No. 480,573. PUBLISHED JULY 31, 1945. Class 42.
- 417,163. MEN'S, WOMEN'S, BOYS', AND GIRLS' OVERALLS, JUMPERS, WORK JACKETS, WORK SHIRTS, WORK PANTS, MATCHED SHIRTS, MATCHED PANTS, DUNGAREES, BLANKET LINED COATS, COSSACK STYLE COATS, AND ONE-PIECE SUITS. BLUE BELL, Inc., Greensboro, N. C.
Filed March 8, 1945. Serial No. 480,646. PUBLISHED JULY 31, 1945. Class 39.
- 417,164. BLUING USED FOR LAUNDRY PURPOSES. H. KOHNSTAMM & Co., Inc., New York, N. Y.
Filed March 8, 1945. Serial No. 480,664. PUBLISHED AUGUST 7, 1945. Class 6.
- 417,165. SPORT CLOTHING, INCLUDING WIND AND WATER REPELLENT CLOTHING, ETC. THE BEN-MAR MANUFACTURING COMPANY, Portland, Ore.
Filed March 10, 1945. Serial No. 480,730. PUBLISHED JULY 24, 1945. Class 39.
- 417,166. MOTOR DRIVEN TRUCKS. LINN MANUFACTURING CORPORATION, Morris, N. Y.
Filed March 10, 1945. Serial No. 480,776. PUBLISHED JULY 31, 1945. Class 19.
- 417,167. RAYON PIECE GOODS. MOORESVILLE COTTON MILLS, Mooresville, N. C.
Filed March 10, 1945. Serial No. 480,782. PUBLISHED JULY 24, 1945. Class 42.
- 417,168. LOOSE LEAF BINDERS AND LOOSE LEAF BINDER INSERTS. AMERICAN STATIONERY PRODUCTS, Chicago, Ill.
Filed March 12, 1945. Serial No. 480,812. PUBLISHED AUGUST 7, 1945. Class 37.
- 417,169. TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF. CREST FABRICS CORP., New York, N. Y.
Filed March 12, 1945. Serial No. 480,816. PUBLISHED JULY 10, 1945. Class 42.
- 417,170. LIPSTICK, ROUGE, DEODORANT, EYELASH AND EYEBROW MASCARA, CREAMS FOR THE HANDS AND FACE, ETC. DAVID COHN, doing business as Main Street Trading Company, New York, N. Y.
Filed March 13, 1945. Serial No. 480,857. PUBLISHED AUGUST 7, 1945. Class 6.
- 417,171. CLEANING AND POLISHING COMPOSITION FOR METALS, GLASS, TILE, LINOLEUM, AND PAINTED SURFACES. THE POLY-CLENE COMPANY, Elizabeth, N. J.
Filed March 14, 1945. Serial No. 480,924. PUBLISHED JULY 31, 1945. Class 4.
- 417,172. WIRE SCREEN CLOTH. REYNOLDS WIRE CO., Dixon, Ill.
Filed March 14, 1945. Serial No. 480,927. PUBLISHED JULY 31, 1945. Class 13.
- 417,173. WIRE SCREEN CLOTH. REYNOLDS WIRE CO., Dixon, Ill.
Filed March 14, 1945. Serial No. 480,928. PUBLISHED JULY 31, 1945. Class 13.
- 417,174. BACTERIAL INHIBITOR IN POWDERED FORM FOR INCORPORATION IN ICE DURING THE MANUFACTURE OF THE ICE. TUCKER GENERAL SALES AGENCY, Seattle, Wash.
Filed March 17, 1945. Serial No. 481,035. PUBLISHED AUGUST 7, 1945. Class 6.
- 417,175. NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. PHIL FISCHER, Chicago, Ill.
Filed March 19, 1945. Serial No. 481,062. PUBLISHED JULY 10, 1945. Class 45.
- 417,176. VULCANIZING MACHINE USED IN VULCANIZING VEHICLE INNER TUBES AND CASINGS, AND RUBBER AND RUBBER-IMPREGNATED TEXTILE MATERIALS AND RUBBER HOSE PIPING. STENOR INCORPORATED, Stamford, Conn.
Filed March 19, 1945. Serial No. 481,087. PUBLISHED JULY 31, 1945. Class 23.
- 417,177. COMPOUND FOR THE TREATMENT OF ASTHMA. KATHERINE F. BUNTON, doing business as The K. F. B. LABORATORIES, Manchester, N. H.
Filed March 21, 1945. Serial No. 481,133. PUBLISHED AUGUST 7, 1945. Class 6.
- 417,178. VITAMIN B-COMPLEX PREPARATION. P. H. D. LABORATORY, Inc., New Orleans, La.
Filed March 24, 1945. Serial No. 481,291. PUBLISHED AUGUST 7, 1945. Class 6.
- 417,179. HOUSE ORGANS, NEWS LETTERS, CATALOGUES, PAMPHLETS, CIRCULARS, HANDBOOKS, SERVICE NOTES, OPERATING MANUALS, INSTRUCTION BOOKS, RADIO TUBE REFERENCE BOOKS, AND OTHER PUBLICATIONS ISSUED PERIODICALLY AND FROM TIME TO TIME. RADIO CORPORATION OF AMERICA, New York, N. Y.
Filed March 24, 1945. Serial No. 481,296. PUBLISHED JUNE 19, 1945. Class 38.
- 417,180. WINES. VILLAGE WINERY, Inc., Escalon, Calif.
Filed March 27, 1945. Serial No. 481,391. PUBLISHED JULY 3, 1945. Class 47.
- 417,181. GIRDLES AND BRASSIERES. PETER PAN FOUNDATIONS, Inc., New York, N. Y.
Filed March 28, 1945. Serial No. 481,424. PUBLISHED JULY 24, 1945. Class 39.
- 417,182. BEER. ADAM SCHEIDT BREWING COMPANY, Norristown, Pa.
Filed March 28, 1945. Serial No. 481,436. PUBLISHED JULY 31, 1945. Class 48.
- 417,183. BEER. ADAM SCHEIDT BREWING COMPANY, Norristown, Pa.
Filed March 28, 1945. Serial No. 481,437. PUBLISHED JULY 3, 1945. Class 48.
- 417,184. FOOTWEAR—NAMES, SHOES, AND SLIPPERS OF LEATHER AND FABRIC. INTERNATIONAL FOOTWEAR CO., Inc., Brooklyn, N. Y.
Filed March 29, 1945. Serial No. 481,477. PUBLISHED JULY 31, 1945. Class 39.
- 417,185. CREME DE MENTHE. LEROUX & Co., Inc., Philadelphia, Pa.
Filed March 29, 1945. Serial No. 481,480. PUBLISHED JULY 3, 1945. Class 49.
- 417,186. HOSIERY. LIBERTY HOSIERY MILLS, Liberty, N. C.
Filed April 2, 1945. Serial No. 481,634. PUBLISHED JULY 31, 1945. Class 39.
- 417,187. HOSIERY. LIBERTY HOSIERY MILLS, Liberty, N. C.
Filed April 2, 1945. Serial No. 481,637. PUBLISHED JULY 31, 1945. Class 39.

- 417,188. MACHETES. CHAS. D. BRIDGELL, INC., Crisfield, Md.
Filed April 3, 1945. Serial No. 481,662. PUBLISHED JULY 31, 1945. Class 23.
- 417,189. PERIODICALS AND PERIODICAL MAGAZINES. KEN CROSSEN, doing business as Spark Publications, New York, N. Y.
Filed April 3, 1945. Serial No. 481,664. PUBLISHED JULY 31, 1945. Class 38.
- 417,190. COTTON GOODS IN THE PIECE, AND PARTICULARLY CHINTZ. JOSEPH BANCROFT & SONS Co., Wilmington, Del.
Filed April 4, 1945. Serial No. 481,690. PUBLISHED JULY 17, 1945. Class 42.
- 417,191. SHEETS AND PILLOW CASES. HARRY ZOHM, doing business as Zohn Textile Co., New York, N. Y.
Filed April 4, 1945. Serial No. 481,731. PUBLISHED JULY 17, 1945. Class 42.
- 417,192. MEN'S, WOMEN'S, BOYS', AND CHILDREN'S DRESS SHIRTS, SPORT SHIRTS, BLOUSES, WORK SHIRTS, UNDER SHIRTS, ETC. APOLLO SHIRT COMPANY, New York, N. Y.
Filed April 6, 1945. Serial No. 481,769. PUBLISHED AUGUST 7, 1945. Class 39.
- 417,193. SALVE USED FOR THE REMOVAL OF CORNS AND CALLOUSES. C. A. BURNETTE, Macon, Ga.
Filed April 6, 1945. Serial No. 481,774. PUBLISHED AUGUST 7, 1945. Class 6.
- 417,194. PLASTIC COMPOSITION IN SHEET FORM USED FOR VARIOUS MANUFACTURING PURPOSES. HERBERT J. HERBERT, New York, N. Y.
Filed April 6, 1945. Serial No. 481,788. PUBLISHED AUGUST 7, 1945. Class 1.
- 417,195. SLIPS FOR WOMEN AND MISSES. UNITED MILLS, Mount Gilead, N. C.
Filed April 6, 1945. Serial No. 481,811. PUBLISHED JULY 24, 1945. Class 39.
- 417,196. THREAD INSERTS, NUTS, SCREWS, AND BOLTS. EATON MANUFACTURING COMPANY, Cleveland, Ohio.
Filed April 7, 1945. Serial No. 481,837. PUBLISHED JULY 31, 1945. Class 13.
- 417,197. LADIES' AND MISSES' COATS AND SUITS. SAMUEL EDWARD ZUCKERMAN, doing business as Ed. Zuckerman Co., New York, N. Y.
Filed April 7, 1945. Serial No. 481,872. PUBLISHED JULY 24, 1945. Class 39.
- 417,198. OUTER SPORT SHIRTS, SLACKS, AND WIND-BREAKERS FOR MEN AND BOYS. DONNKENNY SPORTSWEAR COMPANY, New York, N. Y.
Filed April 9, 1945. Serial No. 481,889. PUBLISHED JULY 31, 1945. Class 39.
- 417,199. IRRADIATED DRY YEAST FOR USE AS A FOOD SUPPLEMENT FOR LIVESTOCK. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed April 9, 1945. Serial No. 481,922. PUBLISHED JULY 31, 1945. Class 6.
- 417,200. GENTLEMEN'S TOILETRIES CONSISTING OF EAU DE COLOGNE, AFTER SHAVING LOTION, TALCUM POWDER, FACE POWDER, TOILET POWDER, HAIR LOTION, HAIR POMADE, AND DEODORANT. PARFUMS CHARRERT, INC., New York, N. Y.
Filed April 10, 1945. Serial No. 481,957. PUBLISHED AUGUST 7, 1945. Class 6.
- 417,201. WOOLEN AND WORSTED FABRICS IN THE PIECE. TERRUNZ, YERBANCE & WOLFF, INC., New York, N. Y.
Filed April 10, 1945. Serial No. 481,964. PUBLISHED JULY 31, 1945. Class 42.

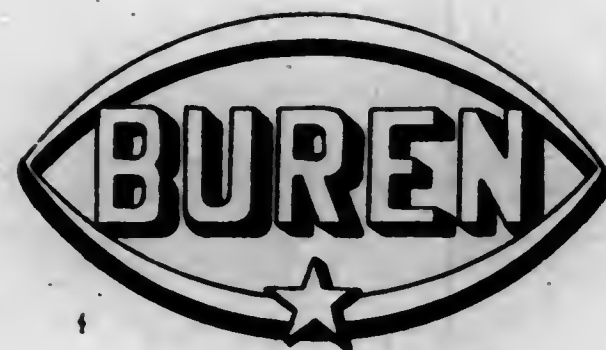
- 417,202. MEN'S AND BOYS' SPORT AND DRESS SHIRTS, LUMBERJACKS, MACKINAWS, HUNTING COATS, FINGERTIP COATS, ETC. LUSTBERG, NAST & Co., Inc., New York, N. Y.
Filed April 11, 1945. Serial No. 482,001. PUBLISHED JULY 24, 1945. Class 39.
- 417,203. HOUSECOATS, PAJAMAS, NIGHTGOWNS, BED JACKETS AND ROBES. SCHILLER-DUBROW, New York, N. Y.
Filed April 11, 1945. Serial No. 482,017. PUBLISHED AUGUST 7, 1945. Class 39.
- 417,204. GARMENTS—NAMELY, MEN'S AND BOYS' SHORTS AND SHIRTS. THE WILLIAM CARTER COMPANY, Needham Heights, Mass.
Filed April 12, 1945. Serial No. 482,041. PUBLISHED JULY 24, 1945. Class 39.
- 417,205. MEDICINAL PREPARATION FOR THE RELIEF OF MALARIA. HY-JE-NO COMPANY, Charlotte, N. C.
Filed April 12, 1945. Serial No. 482,057. PUBLISHED JULY 31, 1945. Class 6.
- 417,206. LADIES' HOSIERY. SPIEGEL, Inc., Chicago, Ill.
Filed April 13, 1945. Serial No. 482,124. PUBLISHED JULY 24, 1945. Class 39.
- 417,207. MEDICINAL CHEWING GUM CONTAINING CHLOROPHYLL, CAROTENOLIDS, AND BREWERS' YEAST. NATIONAL AGROL COMPANY, Washington, D. C.
Filed April 16, 1945. Serial No. 482,213. PUBLISHED JULY 31, 1945. Class 6.
- 417,208. ADHESIVE SKIN TESTING MATERIAL CONTAINING AN ALLERGEN. PARKER, DAVIS & COMPANY, Detroit, Mich.
Filed April 16, 1945. Serial No. 482,218. PUBLISHED JULY 31, 1945. Class 6.
- 417,209. VERMOUTH. PETRI CIGAR COMPANY, Inc., doing business as Petri Wine Company, San Francisco, Calif.
Filed April 16, 1945. Serial No. 482,220. PUBLISHED JULY 17, 1945. Class 47.
- 417,210. MEN'S AND BOYS' DRESS AND SPORT SHIRTS. ABLES SHIRT COMPANY, New York, N. Y.
Filed April 17, 1945. Serial No. 482,233. PUBLISHED AUGUST 7, 1945. Class 39.
- 417,211. VETERINARY PREPARATIONS—NAMELY, A PREPARATION FOR TREATMENT OF SKIN TROUBLES, ERUPTIONS, AND SORES ON COWS, DOGS, AND OTHER ANIMALS. DOROTHY A. LONG, doing business as Dawnwood Farms, Aventura, N. Y.
Filed April 17, 1945. Serial No. 482,251. PUBLISHED JULY 31, 1945. Class 6.
- 417,212. LIPSTICKS. THE TAYTON COMPANY, Chicago, Ill.
Filed April 17, 1945. Serial No. 482,263. PUBLISHED JULY 31, 1945. Class 6.
- 417,213. TOILET WATER AND PERFUME. ARNOLD MARTE, New York, N. Y.
Filed April 19, 1945. Serial No. 482,335. PUBLISHED JULY 31, 1945. Class 6.
- 417,214. PHOTOGRAPHIC CHEMICALS. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed April 20, 1945. Serial No. 482,365. PUBLISHED JULY 31, 1945. Class 6.
- 417,215. PHARMACEUTICAL OINTMENT FOR USE AS A BACTERICIDE AND GERMICIDE. WALLACE LABORATORIES, INC., New Brunswick, N. J.
Filed April 20, 1945. Serial No. 482,405. PUBLISHED JULY 31, 1945. Class 6.
- 417,216. PREPARATION FOR LOCAL APPLICATION IN THE TREATMENT OF DERMAL STAPHYLOCOCCIC AND STREPTOCOCCIC INFECTIONS. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed April 21, 1945. Serial No. 482,433. PUBLISHED JULY 24, 1945. Class 6.

- 417,217. MEN'S AND BOYS' SUITS AND OVERCOATS. FASHION PARK, INC., Rochester, N. Y.
Filed April 23, 1945. Serial No. 482,483. PUBLISHED JULY 31, 1945. Class 39.
- 417,218. LAXATIVE CONSISTING OF CASTOR OIL WITH MILK OF MAGNESIA. PETER L. PESCHEL, doing business as Peschel Laboratory Products, Chicago, Ill.
Filed April 23, 1945. Serial No. 482,504. PUBLISHED JULY 31, 1945. Class 6.
- 417,219. TOILET POWDER. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed April 23, 1945. Serial No. 482,506. PUBLISHED JULY 31, 1945. Class 6.
- 417,220. CHEMICAL COMPOUND USEFUL AS A BACTERIOSTATIC THERAPEUTIC AGENT. ALLIED LABORATORIES, Inc., also doing business as Pitman-Moore Co., Indianapolis, Ind.
Filed April 24, 1945. Serial No. 482,517. PUBLISHED AUGUST 7, 1945. Class 6.
- 417,221. CHILDREN'S AND INFANTS' PLAYSUITS, WASH SUITS, SNOWSUITS, JACKETS, AND OVERALLS. DANBURY NOVELTY CO., Danbury, Conn.
Filed April 24, 1945. Serial No. 482,524. PUBLISHED AUGUST 7, 1945. Class 39.
- 417,222. KNITTED SWEATERS, KNITTED SKIRTS, LADIES' KNITTED DRESSES AND SUITS. NEW YORK KNITTING MILLS, Inc., New York, N. Y.
Filed April 24, 1945. Serial No. 482,543. PUBLISHED AUGUST 7, 1945. Class 39.
- 417,223. ALE. ADAM SCHEIDT BREWING COMPANY, Norristown, Pa.
Filed April 24, 1945. Serial No. 482,550. PUBLISHED JULY 31, 1945. Class 48.
- 417,224. BEVERAGE MADE OF MALT AND CEREALS, AND CONTAINING NOT MORE THAN THE LEGAL CONTENT OF ALCOHOL. ADAM SCHEIDT BREWING COMPANY, Norristown, Pa.
Filed April 24, 1945. Serial No. 482,552. PUBLISHED JULY 17, 1945. Class 48.
- 417,225. PERFUMES AND COLOGNES. HARRY A. SIMON, doing business as La Floreal Parfums, Hollywood, Calif.
Filed April 26, 1945. Serial No. 482,652. PUBLISHED AUGUST 7, 1945. Class 6.
- 417,226. HAIR POMADE AND SCALP OINTMENT. THE MARIANO BEAUTY SALON, New York, N. Y.
Filed April 27, 1945. Serial No. 482,683. PUBLISHED AUGUST 7, 1945. Class 6.
- 417,227. PREPARATION FOR SLENDERIZATION TO BE USED EXTERNALLY. GUSTAVE MAURER, New York, N. Y.
Filed April 27, 1945. Serial No. 482,684. PUBLISHED JULY 31, 1945. Class 6.
- 417,228. DEVELOPERS AND TEXTILE DYEING ASSISTANTS. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y.
Filed April 28, 1945. Serial No. 482,723. PUBLISHED JULY 31, 1945. Class 6.
- 417,229. SHADE ROLLER PIN SETTERS AND SHADE CLOTH PIN PULLERS. THE COLUMBIA MILLS, Inc., New York, N. Y.
Filed April 28, 1945. Serial No. 482,734. PUBLISHED JULY 31, 1945. Class 23.
- 417,230. VITAMIN-MINERAL-IRON COMPOUND. META CINE COMPANY, Chattanooga, Tenn.
Filed April 30, 1945. Serial No. 482,809. PUBLISHED JULY 31, 1945. Class 6.
- 417,231. MEDICINAL PREPARATION FOR THE TREATMENT OF DISORDERS OF THE PERIPHERAL CIRCULATORY SYSTEM AND FOR STIMULATION OF THE PARA-SYMPATHETIC NERVOUS SYSTEM. MERCK & Co. Inc., Rahway, N. J.
Filed May 2, 1945. Serial No. 482,885. PUBLISHED JULY 31, 1945. Class 6.
- 417,232. ELECTRIC LAMPS EMITTING ULTRAVIOLET RAYS IN THE ZONE LETHAL TO FOOD DELETERIOUS BACTERIA, ETC. HAROLD W. ABBSHIRE, St. Louis, Mo.
Filed May 3, 1945. Serial No. 482,913. PUBLISHED JULY 31, 1945. Class 21.
- 417,233. LETTER WRITING PAPER, ENVELOPES, AND MAILING DEVICES—NAMELY, COMBINATION FORWARDING AND RETURN ENVELOPE AND COMBINATION FORWARDING AND RETURN LETTER SHEET. R. S. V. P. INC., New York, N. Y.
Filed May 3, 1945. Serial No. 482,950. PUBLISHED AUGUST 7, 1945. Class 37.
- 417,234. FOOD PRODUCTS—NAMELY, RAVIOLI, SPAGHETTI, SLICED CHICKEN, CHICKEN SANDWICH SPREAD, ROAST CHICKEN AND BROTH, CHILI AND BEANS, ETC. PENTHOUSE FOOD SALES CO., also trading under the name Penthouse Foods, Co., San Francisco, Calif.
Filed May 7, 1945. Serial No. 483,080. PUBLISHED JULY 31, 1945. Class 46.
- 417,235. FILES AND RASPS. HELLER BROTHERS COMPANY, Newark, N. J.
Filed May 8, 1945. Serial No. 483,110. PUBLISHED JULY 31, 1945. Class 23.
- 417,236. GINGER ALE. BEVERAGE DISTRIBUTORS, INC., doing business as Marlboro Beverage Company, San Francisco, Calif.
Filed May 11, 1945. Serial No. 483,204. PUBLISHED JULY 24, 1945. Class 45.
- 417,237. POTATOES. PORTER & WENTZ, Inc., Brownsville, Tex.
Filed May 12, 1945. Serial No. 483,280. PUBLISHED JULY 31, 1945. Class 46.
- 417,238. FRESH TOMATOES. PORTER & WENTZ, Inc., Brownsville, Tex.
Filed May 12, 1945. Serial No. 483,282. PUBLISHED JULY 31, 1945. Class 46.
- 417,239. POTATOES. PORTER & WENTZ, Inc., Brownsville, Tex.
Filed May 12, 1945. Serial No. 483,283. PUBLISHED JULY 31, 1945. Class 46.
- 417,240. VAGINAL PREPARATION. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y.
Filed May 16, 1945. Serial No. 483,440. PUBLISHED AUGUST 7, 1945. Class 6.
- 417,241. MAGAZINES, HANDBOOKS, AND THE LIKE, PUBLISHED AT PERIODIC INTERVALS. PAN AMERICAN AIRWAYS, INC., New York, N. Y.
Filed May 18, 1945. Serial No. 483,549. PUBLISHED JULY 31, 1945. Class 38.
- 417,242. POTATO PANCAKE MIX. M. A. VANDERWALL, doing business as Vanderwall Dried Foods Company, Firth, Idaho.
Filed May 28, 1945. Serial No. 483,880. PUBLISHED JULY 31, 1945. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

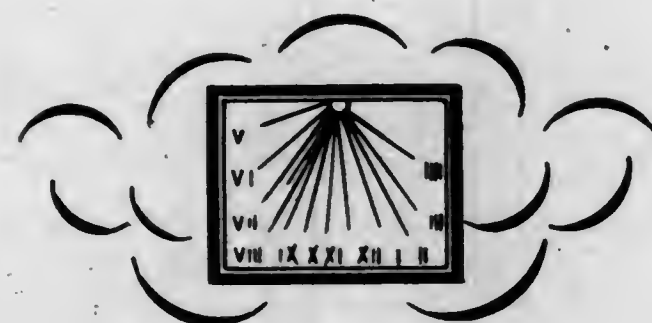
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

417,243. (CLASS 27. HOROLOGICAL INSTRUMENTS.)
UHRENFABRIK BUREN AKTIENGESELLSCHAFT, (BUREN
WATCH COMPANY S. A.), Buren a/A., Switzerland. Filed
Feb. 18, 1941. Serial No. 440,763.



Applicant is the owner of Reg. No. 185,356.
FOR WATCHES AND PARTS THEREOF.
Claims use since 1910.

417,244. (CLASS 27. HOROLOGICAL INSTRUMENTS.)
SOCIETE ANONYME MIDO, Bienne, Switzerland. Filed
Apr. 29, 1943. Serial No. 460,272.



FOR WATCH CASES, WATCHES, CHRONOMETERS,
WATCH MOVEMENTS, DIALS, AND PARTS OF
WATCHES.
Claims use since Mar. 30, 1943.

417,245. (CLASS 22. GAMES, TOYS, AND SPORTING
GOODS.) NANCY ANN DRESSED DOLLS, San Francisco,
Calif. Filed May 1, 1943. Serial No. 460,331.

**BETTY
BLUE**

FOR DRESSED DOLLS.
Claims use since Jan. 1, 1941.

370

417,246. (CLASS 12. CONSTRUCTION MATERIALS.)
SCHMIDT & AULT PAPER CO., York, Pa. Filed Jan. 28,
1944. Serial No. 466,953.



FOR BUILDING PAPER, SHEATHING PAPER AND
PLASTER BOARD.
Claims use since Apr. 1, 1923.

417,247. (CLASS 12. CONSTRUCTION MATERIALS.)
CRANE PACKING COMPANY, Chicago, Ill. Filed June 21,
1944. Serial No. 471,470.

John Crane

FOR INSOLUBLE PIPE JOINT PLASTIC SEALING
COMPOUNDS.
Claims use since 1932.

417,248. (CLASS 32. FURNITURE AND UPHOL-
STERY.) THEODORE G. PARKER, Lewisburg, Pa. Filed
June 23, 1944. Serial No. 471,570.



FOR CHAIRS, DINING ROOM AND DINETTE TA-
BLES, BUFFETS, CHINA CABINETS, CORNER CAB-
INETS, CARD TABLES, FOLDING CHAIRS, FOLDING
TABLES, FOLDING PICNIC TABLES, BOOKCASES,
DESKS, COFFEE TABLES, LAMP TABLES, MAGAZINE
RACKS, BEDS, DRESSERS, CHESTS, VANITIES, WARD-
ROBES, AND CEDAR CHESTS.
Claims use since May 1, 1944.

OCTOBER 16, 1945

U. S. PATENT OFFICE

371

417,249. (CLASS 46. FOODS AND INGREDIENTS OF
FOODS.) CALIFORNIA FARM PRODUCTS COMPANY,
Salinas, Calif. Filed June 24, 1944. Serial No. 471,586.



FOR FRESH VEGETABLES.
Claims use since Apr. 28, 1944.

417,250. (CLASS 16. PAINTS AND PAINTERS' MA-
TERIALS.) HILLYARD CHEMICAL COMPANY, St. Joseph,
Mo. Filed July 10, 1944. Serial No. 472,062.

SEAL-TITE

FOR LIQUID PRESERVATIVE IN THE NATURE OF
A WAX COATING OR FILLER FOR CONCRETE, MAG-
NESITE, CORK CARPET, CORK TILE, AND SIMILAR
COMPOSITION FLOORS.
Claims use since June 17, 1934.

417,251. (CLASS 43. THREAD AND YARN.) FUTURITY
THREAD COMPANY, Newton, Mass. Filed July 19, 1944.
Serial No. 472,881.

ROT-PRUF

FOR THREAD INCLUDING WELT THREAD, McKAY
THREAD, SHUTTLE THREAD, LOCKSTITCH THREAD,
AND PATCHING THREAD.
Claims use since June 13, 1944.

417,252. (CLASS 43. THREAD AND YARN.) OWENS-
CORNING FIBERGLAS CORPORATION, Toledo, Ohio. Filed
July 24, 1944. Serial No. 472,583.

FIBERGLAS

FOR SEWING THREAD AND CONTINUOUS FILA-
MENT AND STAPLE FIBER YARNS, ALL CONTAIN-
ING GLASS FIBERS.
Claims use since Jan. 17, 1936.

417,253. (CLASS 12. CONSTRUCTION MATERIALS.)
GLOBE ROOFING PRODUCTS CO., INC., Whiting, Ind. Filed
Aug. 2, 1944. Serial No. 472,848.

THERMOSIDING

FOR ASPHALT INSULATED SIDING.
Claims use since July 6, 1944.

417,254. (CLASS 12. CONSTRUCTION MATERIALS.)
GLOBE ROOFING PRODUCTS CO., INC., Whiting, Ind. Filed
Aug. 2, 1944. Serial No. 472,850.

THERMOWALL

FOR ASPHALT INSULATED SIDING.
Claims use since July 6, 1944.

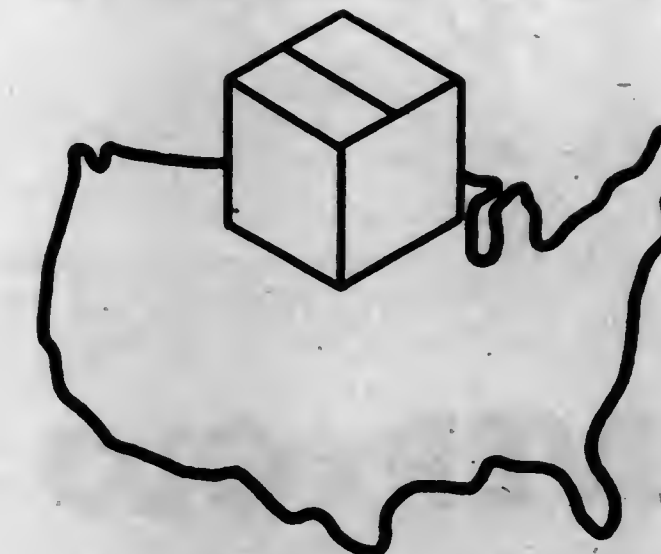
417,255. (CLASS 46. FOODS AND INGREDIENTS OF
FOODS.) PANDA FROSTY FOODS, Los Angeles, Calif.
Filed Aug. 5, 1944. Serial No. 472,994.

SHERRY'S GRAND
Frozen Foods

PANDA FROSTY FOODS

FOR FROZEN FRESH DECIDUOUS FRUITS, BER-
RIES, AND VEGETABLES, SEAFOODS—NAMESLY,
SHELL FISH, POULTRY, FROZEN COOKED FOODS—
NAMESLY, BAKED BEANS, CREAMED POULTRY,
CREAMED FISH, SOUPS.
Claims use since July 25, 1944.

417,256. (CLASS 2. RECEPTACLES.) CONTAINER COR-
PORATION OF AMERICA, Chicago, Ill. Filed Aug. 16, 1944.
Serial No. 473,309.



FOR PAPERBOARD CARTONS AND BOXES.
Claims use since Mar. 1, 1944.

417,257. (CLASS 39. CLOTHING.) THE BARBIZON COR-
PORATION, New York, N. Y. Filed Oct. 6, 1944. Serial
No. 474,988.

JAUNTY FIT

FOR LADIES' WEARING APPAREL, NAMESLY, SLIPS,
PAJAMAS, LOUNGING ROBES, AND BED JACKETS.
Claims use since Aug. 1, 1944.

417,258. (CLASS 39. CLOTHING.) McTAGUE MANUFACTURING Co., Toms River, N. J. Filed Oct. 11, 1944. Serial No. 475,215.



FOR MEN'S AND BOYS' PAJAMAS, SPORT SHIRTS OF COTTON, WOOL AND RAYON, BUTTON ON SHIRTS, DRESS SHIRTS, UNDERWEAR, POLO SHIRTS, LUMBER JACKETS AND BLACK SUITS.
Claims use since Aug. 1, 1944.

417,259. (CLASS 39. CLOTHING.) THE MEADTEX FABRICS Co., New York, N. Y. Filed Oct. 28, 1944. Under the act of March 19, 1920, as amended June 10, 1938. Serial No. 475,809.

MEADFAST

FOR LADIES', MISSES', AND GIRLS' DRESSES, SLIPS, PLAYSUITS, BLOUSES AND APRONS.
Claims use since Aug. 18, 1944.

417,260. (CLASS 48. MALT BEVERAGES AND LIQUORS.) HORLACHER BREWING COMPANY, Allentown, Pa. Filed Oct. 30, 1944. Serial No. 475,851.



FOR BEER.
Claims use since 1905.

417,261. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SPENCER-ADAMS PAINT COMPANY, Atlanta, Ga. Filed Nov. 8, 1944. Serial No. 476,264.

EVER★GLO

FOR QUICK-DRYING PAINT ENAMEL.
Claims use since Aug. 11, 1944.

417,262. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. R. MACK, doing business as Walter M. Field & Co., San Francisco, Calif. Filed Dec. 11, 1944. Serial No. 477,423.

BOHEMIAN

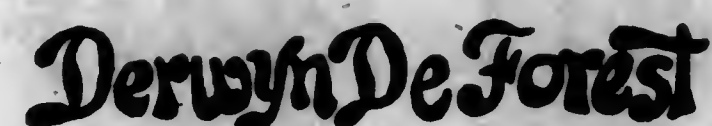
FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since 1936.

417,263. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) EDW. K. TRYON COMPANY, Philadelphia, Pa. Filed Jan. 9, 1945. Serial No. 478,438.



FOR FISHING RODS, FISHING REELS, ARTIFICIAL FISH BAITS, GUT FISHING LEADERS, BOTH SYNTHETIC AND GENUINE, WIRE FISHING LEADERS, SOLID AND CABLE, FISHING LINES, SNEELED FISHING HOOKS, FISHING TIPPETS, FISH HOOKS, RINGED, MARKED, FLATTED AND KNOBBED, FISHING FLIES, FISHING BAIT AND TACKLE BOXES, FISHING BAIT AND MINNOW PAILS, BUTT CAPS FOR FISHING RODS, FISH NETS, FLY AND TACKLE BOOKS, FISHING REEL CLAMPS, FISHING REEL SEATS, FISHING ROD FERRULES, FISHING ROD GUIDES, FISHING ROD TIPS, FISHING ROD STANDS, RUBBER FISHING ROD BUTTS, WINDING CHECKS FOR FISHING RODS, FISHING RIGS, CHUGGING RIGS FOR FISHING, FROG HARNESS FOR FISHING, FROG SPEARS FOR FISHING, GAFF HOOKS FOR FISHING, GAFFS COMPLETE FOR FISHING, FISH SPEARS, MOUTH OPENERS FOR FISH, FISHING NET FRAMES, FISH TONGS, FISH FINDERS, FEATHERED JIGS FOR FISHING, FISH BAGS, DOCK BELLS, FISHING FLOATS, CRAB TRAPS, FISHING SINKERS, FISHING SWIVELS, SAFETY SNAPS FOR FISHING, SAND SPIKES FOR FISHING, MINNOW TRAPS FOR FISHING, SNAPS AND RINGS FOR FISHING, SPLIT RINGS FOR FISHING, FISHING SPREADERS, FISHING STRINGERS AND CUT WIRE FOR FISHING LEADERS.
Claims use since Sept. 1, 1921.

417,264. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) EDW. K. TRYON COMPANY, Philadelphia, Pa. Filed Jan. 9, 1945. Serial No. 478,439.



FOR FISHING RODS, FISHING REELS, ARTIFICIAL FISH BAITS, GUT FISHING LEADERS, BOTH SYNTHETIC AND GENUINE, WIRE FISHING LEADERS, SOLID AND CABLE, FISHING LINES, SNEELED FISHING HOOKS, FISHING TIPPETS, FISH HOOKS, RINGED, MARKED, FLATTED AND KNOBBED, FISHING FLIES, FISHING BAIT AND TACKLE BOXES, FISHING BAIT AND MINNOW PAILS, BUTT CAPS FOR FISHING RODS, FISH NETS, FLY AND TACKLE BOOKS, FISHING REEL CLAMPS, FISHING REEL SEATS, FISHING ROD FERRULES, FISHING ROD GUIDES, FISHING ROD TIPS, FISHING ROD STANDS, RUBBER FISHING ROD BUTTS, WINDING CHECKS FOR FISHING RODS, FISHING RIGS, CHUGGING RIGS FOR FISHING, FROG HARNESS FOR FISHING, FROG SPEARS FOR FISHING, GAFF HOOKS FOR FISHING, GAFFS COMPLETE FOR FISHING, FISH SPEARS, MOUTH OPENERS FOR FISH, FISHING NET FRAMES, FISH TONGS, FISH FINDERS, FEATHERED JIGS FOR FISHING, FISH BAGS, DOCK BELLS, FISHING FLOATS, CRAB TRAPS, FISHING SINKERS, FISHING SWIVELS, SAFETY SNAPS FOR FISHING, SAND SPIKES FOR FISHING, MINNOW TRAPS FOR FISHING, SNAPS AND RINGS FOR FISHING, SPLIT RINGS FOR FISHING, FISHING SPREADERS, FISHING STRINGERS AND CUT WIRE FOR FISHING LEADERS.
Claims use since Dec. 1, 1913.

Claims use since Dec. 1, 1913.

417,265. (CLASS 5. ADHESIVES.) MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed Jan. 10, 1945. Serial No. 478,464.

Scotch

FOR PRESSURE-SENSITIVE ADHESIVE TAPE.
Claims use since January 1928.

417,266. (CLASS 39. CLOTHING.) VIRGIL C. SMITH, doing business as The Prudence System, San Francisco, Calif. Filed Jan. 31, 1945. Serial No. 479,256.



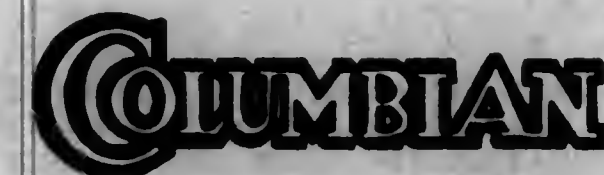
FOR WOMEN'S SECOND HAND DRESSES.
Claims use since June 1, 1944.

417,267. (CLASS 2. RECEPTACLES.) TRAVER CORPORATION, Chicago, Ill. Filed Feb. 2, 1945. Serial No. 479,363.

TITE-SEAL

FOR MERCHANDISE BAGS AND MERCHANDISE ENVELOPES MADE FROM TRANSPARENT, SEMI-TRANSPARENT AND/OR OPAQUE HEAT SEALABLE MATERIALS.
Claims use since Sept. 1, 1943.

417,268. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) COLUMBIAN STEEL TANK COMPANY, Kansas City, Mo. Filed Feb. 26, 1945. Serial No. 480,227.



FOR RESPIRATORS.
Claims use since June 1, 1941.

417,269. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IOWA CANNING COMPANY, Vinton, Iowa. Filed Feb. 26, 1945. Serial No. 480,247.



Applicant is the owner of Regs. Nos. 201,077; 327,361; and 403,917.
FOR CANNED VEGETABLES AND FROZEN FRESH FRUITS AND VEGETABLES.
Claims use since 1902.

417,270. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRISTED BRO. INC., New York, N. Y. Filed Mar. 17, 1945. Serial No. 481,022.



FOR CANNED VEGETABLES.
Claims use since Aug. 1, 1922.

417,271. (CLASS 5. ADHESIVES.) G. W. UNDERHILL, doing business as G. W. Underhill & Co., Kansas City, Mo. Filed Apr. 9, 1945. Serial No. 481,929.

STIX-ALL

FOR LIQUID ADHESIVE CEMENT.
Claims use since October 1931.

417,272. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HELLER CANDY Co., Inc., New York, N. Y. Filed Apr. 21, 1945. Serial No. 482,424.



The mark is "Heller."
FOR CANDY.
Claims use since July 1941.

417,273. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BARBARA LEE CHOCOLATE COMPANY, Boston, Mass. Filed Apr. 23, 1945. Serial No. 482,494.



Barbara Lee Chocolate Company

The picture is fanciful.
FOR CANDIES AND CAKES, COOKIES, PEANUT BUTTER SANDWICHES AND PRETZELS.
Claims use since Mar. 1, 1943.

417,274. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HOUSE OF HAWICK, Brooklyn, N. Y. Filed May 3, 1945. Serial No. 482,931.

HAWICK

FOR SHAVING SOAP.
Claims use since June 9, 1944.

417,275. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MAAS & WALDSTEIN COMPANY, Newark, N. J. Filed May 14, 1945. Serial No. 483,330.

MILDUGARD

FOR COATING COMPOSITIONS—NAMESLY, FUNGUS RESISTANT PAINTS, VARNISHES, LACQUERS AND THE LIKE FOR APPLICATION TO FABRIC OR LEATHER TO ACT AS A FUNGICIDE.
Claims use since Apr. 16, 1942.

417,276. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MORTON MANUFACTURING CORPORATION, doing business as Snow White Products Company, Lynchburg, Va. Filed May 14, 1945. Serial No. 483,332.

SNOW WHITE

FOR TOILET SOAP.
Claims use since July 1, 1931.

417,277. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BARBARA LEE CHOCOLATE COMPANY, Boston, Mass. Filed May 15, 1945. Serial No. 483,379.



FOR CANDIES, CAKES, COOKIES, PEANUT BUTTER, SANDWICHES, AND PRETZELS.
Claims use since February 1943.

417,278. (CLASS 31. FILTERS AND REFRIGERATORS.) WILLIAM F. DE SPAGNA, doing business as Commercial Refrigeration Service Co., Brooklyn, N. Y. Filed May 23, 1945. Serial No. 483,680.

Commercial

REFRIGERATION SERVICE CO.

FOR REFRIGERATORS AND PARTS THEREOF, INCLUDING CONDENSING UNITS.
Claims use since 1929.

417,279. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LOWELL SPECIALTY COMPANY, doing business as Lowell Manufacturing Co., Chicago, Ill. Filed July 7, 1945. Serial No. 485,532.

LOWELL

FOR SPRAYERS AND POWDER DUSTERS OF VARIOUS TYPES AND SIZES, BOTH HAND OPERATED AND POWER OPERATED, AND HAND AND POWER OPERATED PUMPS THEREFOR, FOR FARM AND GARDENING USES.
Claims use since 1895.

TRADE-MARK REGISTRATIONS RENEWED

27,109. BSO. SPECTACLES, EYEGLASSES, LORGNETTES, AND OTHER SIMILAR ARTICLES. Registered Oct. 1, 1895. BAY STATE OPTICAL CO. Re-renewed Oct. 1, 1945, to Bay State Optical Company, Attleboro, Mass., a corporation of Maine. Class 26.

27,564. CARMOGEN. MEDICINAL RESTORATIVE. Registered Dec. 31, 1895. EDWIN H. HAMMER. Re-renewed Dec. 31, 1945, to Fairchild Brothers and Foster, New York, N. Y., a corporation of New York. Class 6.

27,572. REPRESENTATION OF THREE DOMES. METALLIC GARMENT AND HOUSE FURNISHINGS, JEWELRY AND TOILET ARTICLES AND OTHER METALLIC REQUISITES FOR USE OR ORNAMENT. Registered Dec. 31, 1895. THOMAS CARLYLE AND JOHN MARK CARLYLE. Re-renewed Dec. 31, 1945, to Buttons Limited, Birmingham, England, an incorporated company of England. Classes 13, 22, 23, 28, 40, and 44.

44,601. LORICATED. COATED PIPES AND TUBES OF ELECTRIC CONDUITS. Registered July 18, 1905. SAFETY-ARMORITE CONDUIT COMPANY, Pittsburgh, Pa. Re-renewed July 18, 1945, to Robert M. Garland, New Castle, Pa. Class 21.

44,707. HYDROZONE. REMEDY FOR DYSPEPSIA, CATARRH OF THE STOMACH, ULCERS, AND OTHER MICROBIAL DISEASES. Registered July 18, 1905. THE DREVET MANUFACTURING COMPANY. Re-renewed July 18, 1945, to The Charles Marchand Company, New York, N. Y., a corporation of Delaware. Class 6.

44,794. LA BARONESSE. TOILET SOAP. Registered July 25, 1905. MULHENS & KROPPF, New York, N. Y. Vested in Allen Property Custodian, Washington, D. C., and re-renewed to him July 25, 1945. Class 4.

44,808. ALERT. BOILERS AND THEIR ADJUNCTS. Registered July 25, 1905. THE BABCOCK & WILCOX COMPANY, New York, N. Y., a corporation of New Jersey. Re-renewed July 25, 1945. Class 34.

44,818. "CAP & CO" AND DRAWING. FLOUR MADE FROM WHEAT. Registered July 25, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD. Re-renewed July 25, 1945, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

44,821. RIVIERA CASTILE. TOILET SOAP. Registered July 25, 1905. MULHENS & KROPPF, New York, N. Y. Vested in Allen Property Custodian, Washington, D. C., and re-renewed to him July 25, 1945. Class 4.

44,822. "LA CATHEDRALE" AND DRAWING. TOILET SOAP. Registered July 25, 1905. MULHENS & KROPPF, New York, N. Y. Vested in Allen Property Custodian, Washington, D. C., and re-renewed to him July 25, 1945. Class 4.

44,881. GLYOZONE. REMEDY FOR THE DESTRUCTION OF BACTERIA, MICROBES, AND GERMS IN THE HUMAN SYSTEM. Registered July 25, 1905. THE DREVET MANUFACTURING COMPANY. Re-renewed July 25, 1945, to The Charles Marchand Company, New York, N. Y., a corporation of Delaware. Class 6.

44,891. FLORESATIN. VARNISHES, STAINS, JAPANS, AND SURFACERS. Registered July 25, 1905. CHICAGO VARNISH CO., Chicago, Ill. Re-renewed July 25, 1945, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Class 16.

44,893. SHIPOLEUM. VARNISHES, STAINS, JAPANS, AND SURFACERS. Registered July 25, 1905. CHICAGO VARNISH CO., Chicago, Ill. Re-renewed July 25, 1945, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Class 16.

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44,895. SUPREMIS. VARNISHES, STAINS, JAPANS, AND SURFACERS. Registered July 25, 1905. CHICAGO VARNISH CO., Chicago, Ill. Re-renewed July 25, 1945, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Class 16.

44,904. B & W. BOILERS AND THEIR ADJUNCTS. Registered July 25, 1905. THE BABCOCK & WILCOX COMPANY, New York, N. Y., a corporation of New Jersey. Re-renewed July 25, 1945. Class 34.

44,905. BABCOCK & WILCOX. BOILERS AND THEIR ADJUNCTS. Registered July 25, 1905. THE BABCOCK & WILCOX COMPANY, New York, N. Y., a corporation of New Jersey. Re-renewed July 25, 1945. Class 34.

44,936. PRINCESS. FINGER-RINGS. Registered Aug. 1, 1905. SINNOCK & SHERRILL, New York, N. Y. Re-renewed Aug. 1, 1945, to J. Engel & Co., Inc., Baltimore, Md., a corporation of Maryland. Class 28.

45,179. PILLSBURY. FLOUR MADE FROM WHEAT. Registered Aug. 8, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD. Re-renewed Aug. 8, 1945, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

45,180. PILLSBURY'S BEST. FLOUR MADE FROM WHEAT. Registered Aug. 8, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD. Re-renewed Aug. 8, 1945, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

45,181. PILLSBURY'S MAGNET. FLOUR MADE FROM WHEAT. Registered Aug. 8, 1905. PILLSBURY-WASHBURN FLOUR MILLS CO., LTD. Re-renewed Aug. 8, 1945, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

45,182. PILLSBURY'S. FLOUR MADE FROM WHEAT. Registered Aug. 8, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD. Re-renewed Aug. 8, 1945, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

45,205. "MARCHAND'S" ETC. PEROXID OF HYDROGEN. Registered Aug. 8, 1905. THE DREVET MANUFACTURING COMPANY. Re-renewed Aug. 8, 1945, to The Charles Marchand Company, New York, N. Y., a corporation of Delaware. Class 6.

45,397. STAKALTA. WRITING-PENS. Registered Aug. 15, 1905. EDWARD L. HORNEY. Re-renewed Aug. 15, 1945, to The Horney and Chapman Company, Chillicothe, Ohio, a corporation of Ohio. Class 37.

45,744. LINCOLN. FLOUR MADE FROM WHEAT. Registered Aug. 29, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD. Re-renewed Aug. 29, 1945, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

45,927. REFORM. FLOUR MADE FROM WHEAT. Registered Aug. 29, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD. Re-renewed Aug. 29, 1945, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

46,095. DIAGRAFH. LEAD-PENCILS. Registered Sept. 5, 1905. EAGLE PENCIL CO. Re-renewed Sept. 5, 1945, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Class 37.

46,097. RUBBER PERFECTION. LEAD-PENCILS. Registered Sept. 5, 1905. EAGLE PENCIL COMPANY. Re-renewed Sept. 5, 1945, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Class 37.

46,098. EAGLE. PENCIL-SHARPENERS. Registered Sept. 5, 1905. EAGLE PENCIL COMPANY. Re-renewed Sept. 5, 1945, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Class 37.

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46,099. "EAGLE" AND DRAWING. FOUNTAIN-PENS. Registered Sept. 5, 1905. EAGLE PENCIL COMPANY. Re-renewed Sept. 5, 1945, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Class 37.

46,100. "EAGLE" AND DRAWING. RUBBER ERASERS. Registered Sept. 5, 1905. EAGLE PENCIL COMPANY. Re-renewed Sept. 5, 1945, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Class 37.

46,196. "JENKINS" AND DESIGN. VALVES AND PARTS OF VALVES. Registered Sept. 12, 1905. ALFRED B. JENKINS, New York, N. Y., and Boston, Mass. Re-renewed Sept. 12, 1945, to Jenkins Bros., New York, N. Y., and Bridgeport, Conn., a corporation of New Jersey. Class 13.

46,556. REPRESENTATION OF A FOUR-LEAF CLOVER. VARNISHES, JAPANS, OIL-FINISH, AND BRONZING LIQUID. Registered Sept. 26, 1905. MAYER & LOEWENSTEIN, New York, N. Y. Re-renewed Sept. 26, 1945, to Clover Leaf Paint & Varnish Corporation, Long Island City, N. Y., a corporation of New York. Class 16.

46,922. NICO-FUME. NICOTIN SOLUTION AND PAPER SATURATED THEREWITH. Registered Oct. 17, 1905. THE KENTUCKY TOBACCO PRODUCT CO. Re-renewed Oct. 17, 1945, to Tobacco By-Products and Chemical Corporation, Louisville, Ky., a corporation of Delaware. Class 6.

47,077. FLINT PRIMER. VARNISHES AND JAPANS. Registered Oct. 24, 1905. MAYER & LOEWENSTEIN, New York, N. Y. Re-renewed Oct. 24, 1945, to Clover Leaf Paint & Varnish Corporation, Long Island City, N. Y., a corporation of New York. Class 16.

47,078. EMERITE. VARNISH. Registered Oct. 24, 1905. MAYER & LOEWENSTEIN, New York, N. Y. Re-renewed Oct. 24, 1945, to Clover Leaf Paint & Varnish Corporation, Long Island City, N. Y., a corporation of New York. Class 16.

47,102. "CROWN" AND DRAWING. PENHOLDERS. Registered Oct. 24, 1905. EAGLE PENCIL COMPANY. Re-renewed Oct. 24, 1945, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Class 37.

47,170. "SPIRELLA" AND DESIGN. STAYS. Registered Oct. 31, 1905. THE SPIRELLA COMPANY, Meadville, Pa. Re-renewed Oct. 31, 1945, to The Spirella Company Incorporated, Niagara Falls, N. Y., a corporation of New York. Class 40.

47,209. UNION. PINCERS AND PINCER-HAMMERS. Registered Oct. 31, 1905. FRANK W. WHITCHER, Boston, Mass. Re-renewed Oct. 31, 1945, to United Shoe Machinery Corporation, Boston, Mass., and Flemington, N. J., a corporation of New Jersey. Class 23.

47,236. KANABEC. FLOUR MADE FROM WHEAT. Registered Oct. 31, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD. Re-renewed Oct. 31, 1945, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

47,333. REPRESENTATION OF A DIAMOND-SHAPED FIGURE. VALVES AND PARTS OF VALVES. Registered Oct. 31, 1905. ALFRED B. JENKINS, New York, N. Y. Re-renewed Oct. 31, 1945, to Jenkins Bros., New York, N. Y., and Bridgeport, Conn., a corporation of New Jersey. Class 13.

47,390. JENKINS BROS. VALVES, AND PARTS OF VALVES, COCKS, AND PARTS OF COCKS. Registered Oct. 31, 1905. ALFRED B. JENKINS, New York, N. Y., and Boston, Mass. Re-renewed Oct. 31, 1945, to Jenkins Bros., New York, N. Y., and Bridgeport, Conn., a corporation of New Jersey. Class 13.

47,509. AUTOLINE. LUBRICATING OILS FOR JOURNALS AND CYLINDERS. Registered Nov. 7, 1905. W. C. ROBINSON & SON CO., Baltimore, Md., a corporation of Maryland. Re-renewed Nov. 7, 1945. Class 15.

47,530. PILLSBURY'S PATENT. FLOUR MADE FROM WHEAT. Registered Nov. 7, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD. Re-renewed Nov. 7, 1945, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

47,807. GALVADUCT. COATED PIPES AND TUBES FOR ELECTRIC CONDUITS. Registered Nov. 21, 1905. SAFETY ARMORITE CONDUIT COMPANY, Pittsburgh, Pa. Re-renewed Nov. 21, 1945, to Robert M. Garland, New Castle, Pa. Class 21.

48,097. SCHOLASTIC. LEAD-PENCILS. Registered Dec. 12, 1905. EAGLE PENCIL COMPANY. Re-renewed Dec. 12, 1945, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Class 37.

48,099. PROGRESS. LEAD-PENCILS. Registered Dec. 12, 1905. EAGLE PENCIL COMPANY. Re-renewed Dec. 12, 1945, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Class 37.

48,100. ORLOFF. LEAD-PENCILS. Registered Dec. 12, 1905. EAGLE PENCIL COMPANY. Re-renewed Dec. 12, 1945, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Class 37.

48,102. HERALD. LEAD-PENCILS. Registered Dec. 12, 1905. EAGLE PENCIL COMPANY. Re-renewed Dec. 12, 1945, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Class 37.

48,179. ADAMANT. VARNISHES AND JAPANS. Registered Dec. 12, 1905. MAYER & LOEWENSTEIN, New York, N. Y. Re-renewed Dec. 12, 1945, to Clover Leaf Paint & Varnish Corporation, Long Island City, N. Y., a corporation of New York. Class 16.

48,346. "ADBESTINE" AND DRAWING. PULP MADE OF GROUND, PULVERIZED, POWDERED, AND PREPARED TALC ORE. Registered Dec. 26, 1905. INTERNATIONAL PULP COMPANY. Re-renewed Dec. 26, 1945, to International Talc Company, Inc., New York, N. Y., a corporation of New York. Class 1.

48,621. PREMIUM. CANDY NOT INCLUDING "SWEET CHOCOLATE". Registered Jan. 9, 1906. HAWLEY & HOOPS, New York, N. Y., a firm. Re-renewed Jan. 9, 1946. Class 46.

48,700. AMMONOL. ANTIPYRETIC AND ANALGESIC MEDICAL PREPARATION. Registered Jan. 9, 1906. THE AMMONOL CHEMICAL COMPANY, New York, N. Y., a corporation of New York. Re-renewed Jan. 9, 1946. Class 6.

48,705. NUTROLACTIS. TONIC FOR NURSING MOTHERS. Registered Jan. 9, 1906. THE NUTROLACTIS COMPANY, New York, N. Y., a corporation of New York. Re-renewed Jan. 9, 1946. Class 6.

48,742. HERCULES. PAPERS PREPARED WITH MOISTURE-RESISTANCE SUBSTANCE FOR USE AS WRAPPING, SHEATHING, INSULATING, AND ROOFING PAPERS. Registered Jan. 9, 1906. THE STANDARD PAINT COMPANY, New York, N. Y. Re-renewed Jan. 9, 1946, to The Ruberoid Co., Bound Brook, N. J., and New York, N. Y., a corporation of New Jersey. Class 12.

198,144. "A BIG HIT". BOYS' THREE-POUND HOSIERY, MISSES' HOSIERY, AND MEN'S HALF HOSE. Registered May 5, 1925. RAGAN KNITTING COMPANY, Thomasville, N. C., a corporation of North Carolina. Re-renewed May 5, 1945. Class 39.

200,685. E. Y. R. BROWN SKIN FACE POWDER, COMPLEXION POWDER, DEODORANT POWDER, TALCUM POWDER, TOOTH POWDER, FLY POWDER, COLD CREAM, FACE CREAM, FACE PACKS, VANISHING CREAM, COSMETIC LOTION, ROUGE, LIP STICK, PERFUME, TOILET WATER, SCALP TONIC, SHAMPOO JELLY, COCONUT OIL SHAMPOO, HAIR TONIC, HAIR OILS, MOUTH WASH, TOOTH PASTE, NAIL POLISH, EYEBROW PENCIL, ASPIRIN, KIDNEY AND BLADDER PILLS, CASCARA-SENNA TABLETS, CATHARTIC LIVER PILLS, BAKING POWDER, AFTER-DINNER TABLETS, CORN SALVE, DIGESTIVE TABLETS, AND OTHER CERTAIN NAMED MEDICINAL AND CHEMICAL PRODUCTS. Registered July 7, 1925. THE J. R. WATKINS COMPANY, Winona, Minn. Vested in Allen Property Custodian, Washington, D. C., and renewed to him July 7, 1945. Class 6.

200,834. "MMCO" AND DESIGN. WOODWORKING MACHINES. Registered July 14, 1925. MUSKEGON MACHINE CO., Muskegon, Mich. Renewed July 14, 1945, to Muskegon Machine Company, Newburgh, N. Y., a corporation of Delaware. Class 28.

200,890. "START WITH A COIN" ETC. AND DESIGN. BANKS. Registered July 14, 1925. CHICAGO THEFT COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 14, 1945. Class 22.

201,139. "BUILDING AGE AND NATIONAL BUILDER" AND DRAWING. MONTHLY MAGAZINE. Registered July 21, 1925. BUILDING AGE PUBLISHING CORPORATION, Renewed July 21, 1945, to Simmons-Boardman Publishing Corp., New York, N. Y., a corporation of Delaware. Class 38.

201,512. "SNAPPY-BOY. COASTER WAGONS. Registered July 28, 1925. SUPPLER-BIDDLE HARDWARE COMPANY. Renewed July 28, 1945, to Supplee-Biddle Company, Philadelphia, Pa., a corporation of Pennsylvania. Class 22.

201,539. ROZ-IN-IZE. COMPOUND FOR TREATING SOLE LEATHER AND THE SOLES AND HEELS OF BOOTS AND SHOES. Registered July 28, 1925. JESSE A. CASE, doing business as Roz-In-Ize, Brockton, Mass. Renewed July 28, 1945, to Roz-In-Ize Inc., Boston, Mass., a corporation of Massachusetts. Class 4.

201,655. "CONSOLIDATED CERTIFIED PRINTS" AND DRAWING. MOTION PICTURE FILMS MANUFACTURED AND PROCESSED BY THE PETITIONER. Registered Aug. 4, 1925. CONSOLIDATED FILM INDUSTRIES, INC. Renewed Aug. 4, 1945, to Consolidated Film Industries, Inc., New York, N. Y., a corporation of Delaware. Class 26.

201,700. FLOTEX. PREPARED ROOFING SATURATED AND COATED WITH AN ELASTIC WATER-PROOF COMPOUND AND FOR A BASE SHEET TO BE APPLIED UNDER COMPOSITION ROOFING. Registered Aug. 4, 1925. THE PARAFFINE COMPANIES, INC., San Francisco, Calif., a corporation of Delaware. Renewed Aug. 4, 1945. Class 12.

201,911. AUTOMATIC. PENKNIVES. Registered Aug. 11, 1925. EAGLE PENCIL COMPANY, New York, N. Y., a corporation of Delaware. Renewed Aug. 11, 1945. Class 23.

202,147. RAPID BOND. PRINTING AND WRITING PAPER COMMONLY EMPLOYED FOR MIMOGRAPHING, PRINTING, AND WRITING PURPOSES. Registered Aug. 18, 1925. GRAHAM PAPER COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Aug. 18, 1945. Class 37.

202,255. ZEST! CARD GAMES. Registered Aug. 18, 1925. GODFREY J. LAFRAMBOISE, Bay City, Mich. Renewed Aug. 18, 1945. Class 22.

202,519. KASHMELITTA. WOOLEN PIECE GOODS. Registered Aug. 25, 1925. FORSTMANN & HUFFMANN COMPANY. Renewed Aug. 25, 1945, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

202,535. JUMELLA. WOOLEN PIECE GOODS. Registered Aug. 25, 1925. FORSTMANN & HUFFMANN COMPANY. Renewed Aug. 25, 1945, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

202,731. BLULINE. GASKETS. Registered Sept. 1, 1925. VICTOR MANUFACTURING & GASKET COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Sept. 1, 1945. Class 35.

203,355. MYSTIC. CORSETS. Registered Sept. 15, 1925. CHAPPELL ALLEN & Co., LIMITED, Bristol, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed Sept. 15, 1945. Class 39.

203,367. "CONSTANT COMFORT" AND DRAWING. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS AND SHOES COMPOSED WHOLLY OR IN PART OF LEATHER, RUBBER, OR FABRIC, OR OF COMBINATIONS OF TWO OR MORE OF THESE MATERIALS. Registered Sept. 15, 1925. AULT-WILLIAMSON SHOE CO. Renewed Sept. 15, 1945, to Air-Tred Shoe Corp., Auburn, Maine, a corporation of Maine. Class 39.

203,656. "SMITH & DOVE MFG. CO." AND DRAWING. TWINE. Registered Sept. 22, 1925. SMITH & DOVE MANUFACTURING CO., Andover, Mass. Renewed Sept. 22, 1945, to Ludlow Manufacturing & Sales Company, Boston, Mass., a corporation of Massachusetts. Class 7.

203,660. ANDOVER. TWINE. Registered Sept. 22, 1925. SMITH & DOVE MANUFACTURING CO., Andover, Mass. Renewed Sept. 22, 1945, to Ludlow Manufacturing & Sales Company, Boston, Mass., a corporation of Massachusetts. Class 7.

203,732. "UNIQUE DUNHILL LIGHTER" AND DRAWING. PORTABLE AND POCKET CIGAR AND CIGARETTE LIGHTERS. Registered Sept. 22, 1925. ALFRED DUNHILL OF LONDON, INC., New York, N. Y. Renewed Sept. 22, 1945, to Alfred Dunhill Limited, London, England, a corporation of Great Britain. Class 34.

203,968. PILLSBURY'S NORTHERN KING. FLOUR MADE FROM WHEAT. Registered Sept. 29, 1925. PILLSBURY FLOUR MILLS COMPANY. Renewed Sept. 29, 1945, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

204,288. SUPREMOL. EMBALMING FLUID. Registered Oct. 13, 1925. THE UNDERTAKERS' SUPPLY COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Oct. 13, 1945. Class 6.

204,289. HEMOSOL. PREINJECTION COMPOUND USED IN EMBALMING. Registered Oct. 13, 1925. THE UNDERTAKERS' SUPPLY COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Oct. 13, 1945. Class 6.

204,290. STERILOL. EMBALMING FLUID. Registered Oct. 13, 1925. THE UNDERTAKERS' SUPPLY COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Oct. 13, 1945. Class 6.

204,396. DUCCO. PYROXYLIN THINNERS, KNIFING COMPOUND (UNDERCOATING), FLOOR VARNISH, AND PREPARED PAINT. Registered Oct. 20, 1925. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Renewed Oct. 20, 1945. Class 16.

204,397. "DU PONT DUCCO" AND DESIGN. PYROXYLIN THINNERS, KNIFING COMPOUND (UNDERCOATING), FLOOR VARNISH, AND PREPARED PAINT. Registered Oct. 20, 1925. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Renewed Oct. 20, 1945. Class 16.

204,398. DUCCO. LACQUERS, PAINT AND PYROXYLIN ENAMELS, AND PAINT AND PYROXYLIN FINISHES. Registered Oct. 20, 1925. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Renewed Oct. 20, 1945. Class 16.

204,399. "DU PONT DUCO" AND DESIGN. LACQUERS, PAINT AND PYROXYLIN ENAMELS, AND PAINT AND PYROXYLIN FINISHES. Registered Oct. 20, 1925. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Renewed Oct. 20, 1945. Class 18.

204,448. "SELBALITE" ETC. AND DRAWING. FLOORING COMPOSITION, COMPLETED FLOORING, STUCCO COMPOSITION, AND MAGNESIUM CHLORIDE ENTERING INTO THESE COMPOSITIONS. Registered Oct. 20, 1925. SELBY, BATTERSBY & CO., Philadelphia, Pa., a corporation of Delaware. Renewed Oct. 20, 1945. Class 12.

204,449. "SELBATRAZ" ETC. AND DRAWING. FLOORING COMPOSITION, COMPLETED FLOORING, STUCCO, STUCCO COMPOSITION, AND MAGNESIUM CHLORIDE ENTERING INTO THESE COMPOSITIONS. Registered Oct. 20, 1925. SELBY, BATTERSBY & CO., Philadelphia, Pa., a corporation of Delaware. Renewed Oct. 20, 1945. Class 12.

204,529. DRAKE'S MACS. CAKE AND MACAROONS. Registered Oct. 20, 1925. DRAKE BAKERIES INCORPORATED, Brooklyn, N. Y., a corporation of New York. Renewed Oct. 20, 1945. Class 46.

204,790. DESIGN OF AN ORANGE COLORED RECTANGLE ON A WHITE BACKGROUND. CANDY. Registered Oct. 27, 1925. SCHUTTER-JOHNSON CANDY CO. Renewed Oct. 27, 1945, to Schutter Candy Company, Chicago, Ill., a corporation of Delaware. Class 46.

204,862. "ST. MORITZ" AND DRAWING. MEN'S AND BOYS' COLLARS, PYJAMAS, NIGHTROBES, UNDERWEAR OF TEXTILE FABRIC, AND SHIRTS—NAMELY, DRESS, NEGLIGEE, AND WORK SHIRTS. Registered Oct. 27, 1925. HARRY BERGER, doing business as Harry Berger Shirt Company. Renewed Oct. 27, 1945, to Auerbach Bath Robe Co., New York, N. Y., a firm. Class 39.

205,083. ALBINA HARVEST. WHEAT FLOUR. Registered Nov. 3, 1925. PORTLAND FLOUR MILLS CO., San Francisco, Calif. Renewed Nov. 3, 1945, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

205,191. AKRELAC. POWDERED MILK PRODUCT MADE FROM A COMBINATION OF SKIMMED MILK AND CREAM SOURED WITH A PURE LACTIC CULTURE. Registered Nov. 3, 1925. MERRELL-SOULE COMPANY, Syracuse, N. Y. Renewed Nov. 3, 1945, to The Borden Company, New York, N. Y., a corporation of New Jersey. Class 46.

205,226. "DEVONIA" AND DRAWING. WOOLEN PIECE GOODS. Registered Nov. 3, 1925. CO-OPERATIVE WHOLESALE SOCIETY, LIMITED, Manchester, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed Nov. 3, 1945. Class 42.

205,241. ENDURANCE BOND. PRINTING AND WRITING PAPER COMMONLY EMPLOYED FOR PRINTING AND WRITING PURPOSES. Registered Nov. 3, 1925. GRAHAM PAPER COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Nov. 3, 1945. Class 37.

205,313. ANILAC. POWDERED SKIMMED MILK. Registered Nov. 3, 1925. MERRELL-SOULE COMPANY, Syracuse, N. Y. Renewed Nov. 3, 1945, to The Borden Company, New York, N. Y., a corporation of New Jersey. Class 46.

205,316. LITTLE BEAVER. PENCIL SHARPENERS. Registered Nov. 3, 1925. THE HAYES-MESEROLE MANUFACTURING CO., INC. Renewed Nov. 3, 1945, to The Hayes-Donahue Manufacturing Co., Milford, Conn., a corporation of Connecticut. Class 37.

205,354. LEMADE. NONALCOHOLIC MALTLESS FRUIT-JUICE POWDER FOR MAKING SOFT DRINKS. Registered Nov. 3, 1925. MERRELL-SOULE COMPANY, Syracuse, N. Y. Renewed Nov. 3, 1945, to The Borden Company, New York, N. Y., a corporation of New Jersey. Class 45.

205,663. "QUINN" AND DRAWING. CRAVATS AND NECKTIES. Registered Nov. 10, 1925. WILLIAM M. QUINN. Renewed Nov. 10, 1945, to Margaret M. Quinn, Celia Spaniman, also known as Celia Spanierman and Old Colony Trust Company, special administrators of the estate of William M. Quinn, deceased, Boston, Mass. Class 39.

205,755. ACCO. CANDY. Registered Nov. 17, 1925. AMERICAN CAMEL COMPANY, York, Pa. Renewed Nov. 17, 1945, to The American Camel Company, Lancaster, Pa., a corporation of Pennsylvania. Class 46.

205,919. "CASTILIAN QUALITY" AND DRAWING. TOILET PAPER, PAPER NAPKINS, AND PAPER TOWELS. Registered Nov. 17, 1925. BLAKE, MORFITT & TOWNE, San Francisco, Calif., a corporation of California. Renewed Nov. 17, 1945. Class 37.

205,936. "SEAMAN PAPER COMPANY" ETC. AND DRAWING. ENAMELED BOOK PAPER. Registered Nov. 17, 1925. SEAMAN PAPER COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Nov. 17, 1945. Class 37.

206,022. GLIDDEN LACQUEROID SYSTEM. VARNISHES, LACQUERS, WOOD FILLERS, CELLULOID ENAMELS, PREPARED PASTE AND READY-MIXED PAINTS, PAINT ENAMELS, WOOD STAINS, JAPANS, OILS USED WITH AND IN THE MANUFACTURE OF PAINTS AND SIMILAR PRODUCTS; COLORS IN LIQUID PASTE, OR DRY FORM; LACQUER FINISHING AND RUBBING COMPOUND FOR RESURFACING LACQUERED, ENAMELED AND PAINTED SURFACES. Registered Nov. 24, 1925. THE GLIDDEN COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Nov. 24, 1945. Class 16.

206,106. SKI. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered Nov. 24, 1925. REDLANDS SELECT GROVES, INC. Renewed Nov. 24, 1945, to Redlands Select Groves, Redlands, Calif., a corporation of California. Class 46.

206,188. CHEERIO. SOAP POWDER. Registered Nov. 24, 1925. JAMES S. KIRK & COMPANY, Chicago, Ill. Renewed Nov. 24, 1945, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio. Renewed Nov. 24, 1945. Class 4.

206,191. OLD NICK. CIGARS. Registered Nov. 24, 1925. SCHUTTER-JOHNSON CANDY CO. Renewed Nov. 24, 1945, to Schutter Candy Company, Chicago, Ill., a corporation of Delaware. Class 17.

206,352. MOTOROID. DRY, PASTE, AND READY-MIXED PAINTS; PRIMERS, SURFACERS, FILLERS, VARNISHES, COLORS, ENAMELS, JAPANS, REDUCERS, THINNERS, AND RUBBING AND FINISHING COMPOUNDS. Registered Dec. 1, 1925. THE GLIDDEN COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Dec. 1, 1945. Class 16.

206,381. NUVO. MALT BEVERAGE. Registered Dec. 1, 1925. TAKAMINE LABORATORY, INC., Clifton, N. J., a corporation of New York. Renewed Dec. 1, 1945. Class 48.

206,472. "WHEELING STEEL" AND DRAWING. IRON AND STEEL SHEETS AND PLATES. Registered Dec. 1, 1925. WHEELING STEEL CORPORATION, Wheeling, W. Va., a corporation of Delaware. Renewed Dec. 1, 1945. Class 14.

206,648. OR-BLOS GENUINE. PERFUME, TOILET WATER, FACE POWDER, AND TALCUM. Registered Dec. 8, 1925. OR-BLOS COMPANY, Jacksonville, Fla., a corporation of Florida. Renewed Dec. 8, 1945. Class 6.

206,735. "M. S." AND DESIGN. COUGH MIXTURES. Registered Dec. 8, 1925. MICHAEL SCHEINBERG, Baldwin, N. Y. Renewed Dec. 8, 1945. Class 6.

206,948. REPRESENTATION OF A BUCKEYE OR HORSE CHESTNUT. DRY, PASTE, AND READY-MIXED PAINTS, DRY AND OIL COLORS, AND VARNISHES. Registered Dec. 15, 1925. THE BUCKEYE PAINT & VARNISH COMPANY, Toledo, Ohio, a corporation of Ohio. Renewed Dec. 15, 1945. Class 16.

206,984. SATINET SOFT SKIN SOAP. SOAP. Registered Dec. 15, 1925. JAMES S. KIRK & COMPANY, Chicago, Ill. Renewed Dec. 15, 1945, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio. Class 4.

206,995. ROYAL PRINCE. CANNED VEGETABLES. Registered Dec. 15, 1925. HENRY TRUITT, doing business as The Princeville Canning Co. Renewed Dec. 15, 1945, to Princeville Canning Co., Princeville, Ill., a corporation of Illinois. Class 46.

207,001. PIANO-WONDER. MANUALLY-OPERATED CHORD-PLAYING MECHANISM FOR PIANOS, ORGANS, AND LIKE MUSICAL INSTRUMENTS. Registered Dec. 15, 1925. DAVID TALMAGE, Brooklyn and New York, N. Y. Renewed Dec. 15, 1945, to David Talmage, Daytona Beach, Fla. Class 36.

207,031. GET HAPPY. FEEDS AND FOODSTUFFS FOR POULTRY, CATTLE, HORSES, MULES, AND HOGS. Registered Dec. 15, 1925. EDGAR-MORGAN CO. Renewed Dec. 15, 1945, to Happy Mills, Memphis, Tenn., a firm. Class 46.

207,076. "RODDA" ETC. AND DESIGN. CANDY. Registered Dec. 15, 1925. THE R. E. RODDA CANDY COMPANY, York, Pa. Renewed Dec. 15, 1945, to The R. E. Rodda Candy Company, Lancaster, Pa., a corporation of Pennsylvania. Class 46.

207,176. SIMPLICITY. BORING AND GRINDING MACHINES, BORING TOOLS, GRINDING TOOLS, AND PARTS THEREOF. Registered Dec. 22, 1925. SIMPLICITY ENGINE AND MANUFACTURING COMPANY. Renewed Dec. 22, 1945, to Simplicity Manufacturing Company, Port Washington, Wis., a corporation of Wisconsin. Class 23.

207,222. SELMA. HOSIERY. Registered Dec. 22, 1925. S. KANN SONS CO., Washington, D. C., a corporation of Maryland. Renewed Dec. 22, 1945. Class 39.

207,346. "REFLEXALITE" ETC. AND DRAWING. ENAMEL PAINT. Registered Dec. 29, 1925. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed Dec. 29, 1945. Class 16.

207,403. "DIAMOND" AND DESIGN. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. Registered Dec. 29, 1925. DIAMOND BOTTLING CORPORATION. Renewed Dec. 29, 1945, to Diamond Ginger Ale, Incorporated, Waterbury, Conn., a corporation of Connecticut. Class 45.

207,404. CLEAR SPRING. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. Registered Dec. 29, 1925. DIAMOND BOTTLING CORPORATION. Renewed Dec. 29, 1945, to Diamond Ginger Ale, Incorporated, Waterbury, Conn., a corporation of Connecticut. Class 45.

207,449. "THE SHIPPERS GUIDE" AND DRAWING. MONTHLY PUBLICATION. Registered Jan. 5, 1926. THE SHIPPERS GUIDE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Jan. 5, 1946. Class 38.

207,464. "MISSION BELL" AND DRAWING. SOAP. Registered Jan. 5, 1926. LOS ANGELES SOAP COMPANY, Los Angeles, Calif., a corporation of California. Renewed Jan. 5, 1946. Class 4.

207,487. "KOVERITE" AND DRAWING. LUGGAGE—VIZ, BRIEF CASES, MUSICAL-INSTRUMENT CASES, CARD CASES AND WALLETS. Registered Jan. 5, 1926. THE LIFTON MANUFACTURING COMPANY, New York, N. Y., a firm. Renewed Jan. 5, 1946. Class 3.

207,517. TOPSY. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND FLAVORED SIRUPS AND EXTRACTS FOR MAKING THE SAME. Registered Jan. 5, 1926. THEONETT & CO., Chicago, Ill., a corporation of Illinois. Renewed Jan. 5, 1946. Class 45.

207,552. "ARM" AND DESIGN. SODIUM HYPO-SULPHATE; SODIUM CARBONATE, ANHYDROUS; SODIUM CARBONATE, GRANULAR; SODIUM CARBONATE, MONOHYDRATE; SODIUM SULPHITE, SODIUM BISULPHITE, SODIUM METABISULPHITE, SODIUM BICARBONATE, SODIUM SESQUICARBONATE, SAL SODA, PRECIPITATED SULPHUR, LAC SULPHUR, COLLOIDAL SULPHUR, COLLOIDAL SULPHUR PASTE, SOLUBLE SULPHUR, AND CERTAIN OTHER NAMED CHEMICALS. Registered Jan. 5, 1926. ARTHUR R. MAAS, doing business as A. R. Maas Chemical Co., Los Angeles, Calif. Renewed Jan. 5, 1946, to A. R. Maas Chemical Co., South Gate, Calif., a corporation of California. Class 6.

207,588. "ARABELLE" ETC. AND DESIGN. WOMEN'S AND MISSES' SUITS, COATS, DRESSES, WRAPS, CAPES, GOWNS, RAINCOATS, SILK HOSIERY, KNITTED AND TEXTILE UNDERWEAR, LINGERIE, NEGLIGEEES, AND TRIMMED AND UNTRIMMED HATS. Registered Jan. 5, 1926. THE BLUM STORE, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Jan. 5, 1946. Class 39.

207,604. SESAMEE. LOCKS. Registered Jan. 5, 1926. W-H KEYLESS LOCK COMPANY, LIMITED, Honolulu, Hawaii, and Hartford, Conn. Renewed Jan. 5, 1946, to Bemis and Call Company, Springfield, Mass., a corporation of Massachusetts. Class 25.

207,622. "CELANESE". MEN'S HALF HOSE. Registered Jan. 5, 1926. THE AMERICAN CELLULOSE & CHEMICAL MANUFACTURING COMPANY, LTD. Renewed Jan. 5, 1946, to Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Class 39.

207,630. "MISSION BELL" ETC. AND DRAWING. SOAP. Registered Jan. 5, 1926. LOS ANGELES SOAP COMPANY, Los Angeles, Calif., a corporation of California. Renewed Jan. 5, 1946. Class 4.

207,684. "PIONEER" AND DRAWING. TYPEWRITER PAPERS, MANUSCRIPT COVERS, BOND PAPER, FLAT PAPER, WRITING PAPER, AND SECOND SHEETS. Registered Jan. 5, 1926. BLAKE, MORFITT & TOWNE, San Francisco, Calif., a corporation of California. Renewed Jan. 5, 1946. Class 37.

207,706. TWINKLE TOE. MEDICINAL PREPARATION FOR THE REMOVAL OF CORNS, CALLI, WARTS, AND OTHER ANALOGOUS SKIN AFFECTIONS. Registered Jan. 5, 1926. S. PFEIFFER MFG. COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Jan. 5, 1946. Class 6.

207,769. "DUBIED" AND DRAWING. ALL KINDS OF TEXTILE MACHINES, ESPECIALLY KNITTING MACHINES; NEEDLES FOR KNITTING MACHINES, AND PARTS OF KNITTING MACHINES. Registered Jan. 12, 1926. EDOUARD DUBIED & CIE. SOCIÉTÉ ANONYME, Couvet, near Neuchâtel, Switzerland. Renewed Jan. 12, 1946, to Edouard Dubied & Cie. Société Anonyme, Couvet, Switzerland, a corporation of Switzerland. Class 23.

207,784. KITCHEN MAID. COOKING STOVES AND RANGES FOR WOOD, COAL, AND GAS. Registered Jan. 12, 1926. TENNESSEE STOVE WORKS, Chattanooga, Tenn., a corporation of Tennessee. Renewed Jan. 12, 1946. Class 34.

207,810. **DALAK. CLOSURES FOR RECEPTACLES.** Registered Jan. 12, 1926. **THE CROWN CORK AND SEAL COMPANY OF BALTIMORE CITY.** Renewed Jan. 12, 1946, to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York. Class 50.

207,815. **F S P. CLOSURES FOR RECEPTACLES.** Registered Jan. 12, 1926. **THE CROWN CORK AND SEAL COMPANY OF BALTIMORE CITY.** Renewed Jan. 12, 1946, to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York. Class 50.

207,844. **"LILY WHITE ASH COAL" AND DRAWING. COAL.** Registered Jan. 12, 1926. **MELVIN J. HORNBERGER.** Renewed Jan. 12, 1946, to Jay Wilbur Hornberger, Youngstown, Ohio. Class 1.

207,940. **ANNIE LAURIE. COOKY CAKES.** Registered Jan. 12, 1926. **PERFECTION BISCUIT COMPANY, Fort Wayne, Ind.,** a corporation of Indiana. Renewed Jan. 12, 1946. Class 46.

207,951. **REPRESENTATION OF A REVOLVER. REVOLVERS AND PISTOLS.** Registered Jan. 12, 1926. **SMITH AND WESSON INC., Springfield, Mass.,** a corporation of Massachusetts. Renewed Jan. 12, 1946. Class 9.

207,985. **CHU-E-FRUTE. CHEWING CANDY IN THE SHAPE OF FRUITS AND FLAVORED ACCORDINGLY.** Registered Jan. 12, 1926. **HAWLEY & HOOPS, New York, N. Y.,** a firm. Renewed Jan. 12, 1946. Class 46.

REISSUES

OCTOBER 16, 1945

22,681

FASTENER

Kenly C. Bugg, Fort Wayne, Ind.

Original No. 2,338,023, dated December 28, 1943, Serial No. 416,456, October 25, 1941. Application for reissue January 7, 1944, Serial No. 517,450

10 Claims. (Cl. 85-45)



10. A fastener device comprising a tool engaging head and threaded portion, said head having an annular cylindrical recess defined by a cylindrical rim and an upstanding cylindrical projection concentric with the head and portion.

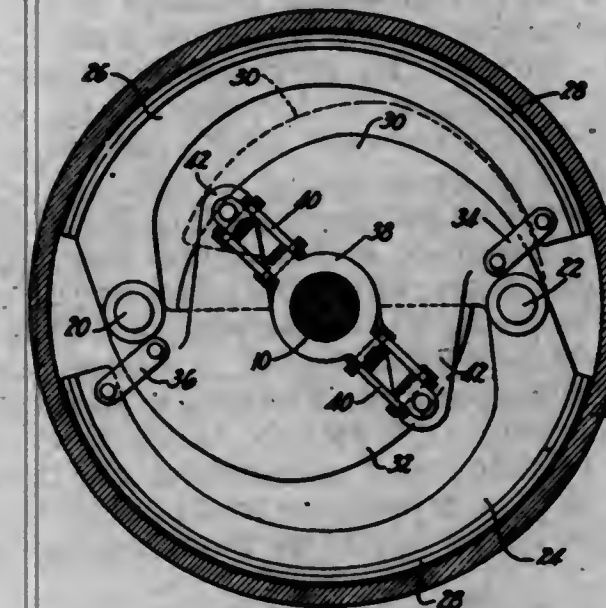
22,682

CLUTCH

Adiel Y. Dodge, Rockford, Ill.

Original No. 2,355,710, dated August 15, 1944, Serial No. 334,706, May 13, 1940. Application for reissue July 11, 1945, Serial No. 604,472

11 Claims. (Cl. 192-103)



1. A clutch for connecting two shafts comprising a drum carried by one of the shafts, a plate carried by the other shaft, a pair of arcuate friction shoes pivoted at one end on the plate and movable into engagement with the

22,683

DISPLAY FRAME

Henry S. Piper, Minneapolis, Minn., assignor of one-fourth to Irving M. Frisch and one-half to Hannah W. Piper, both of Minneapolis, Minn.

Original No. 2,316,615, dated April 13, 1943, Serial No. 430,266, February 10, 1942. Application for reissue April 22, 1943, Serial No. 484,099

4 Claims. (Cl. 40-152.1)



3. In a frame of the class described, a back panel having top, bottom and side portions folded upon themselves and each including a forwardly extending flange, an inturned angularly related front facing flange, and a tongue forming flange integral with the facing flange and spaced behind the same, and a mat fitting within the forwardly extending flanges and having an inturned surrounding edge flange overlying the tongue forming flanges between the same and the facing flanges whereby said mat is interlocked with said tongue forming flange.

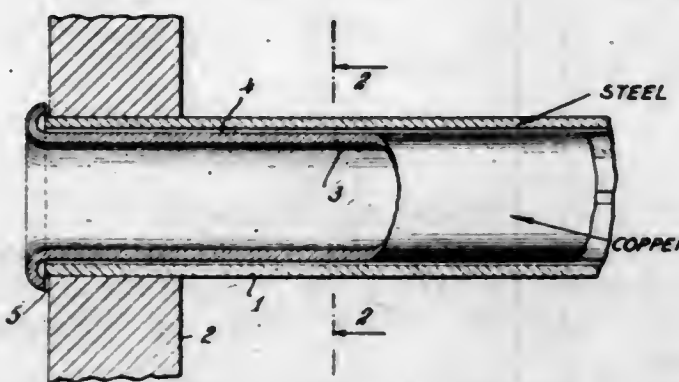
PATENTS

GRANTED OCTOBER 16, 1945

2,386,747

BIMETAL TUBE

Kenneth B. Ris, Garden City, N. Y., assignor to The Griscom Russell Company, New York, N. Y., a corporation of Delaware
Application January 27, 1944, Serial No. 519,901
4 Claims. (Cl. 138-62)

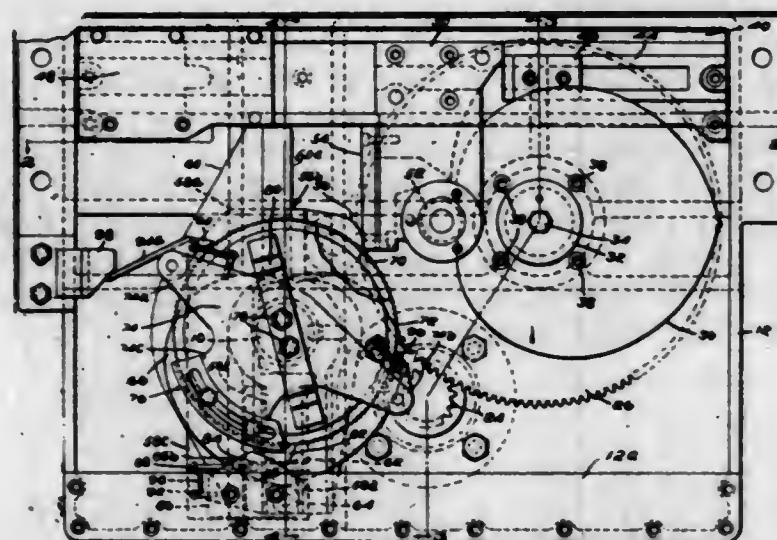


1. A double-walled tube consisting of an inner tube of one kind of metal and an outer tube of another kind of metal, and in which gas forms between said tubes, the inner tube fitting tightly within the outer tube with substantially all of the adjacent surfaces of the tubes in direct and continuous contact and a narrow groove in one of the contacting metal tube surfaces extending to one end of said tube for venting gas which forms between said tubes.

2,386,748

BUILDER MECHANISM

Fred M. Roddy, Providence, R. I., assignor to H & B American Machine Company, Pawtucket, R. I., a corporation of Maine
Application February 17, 1944, Serial No. 522,815
7 Claims. (Cl. 242-43.4)



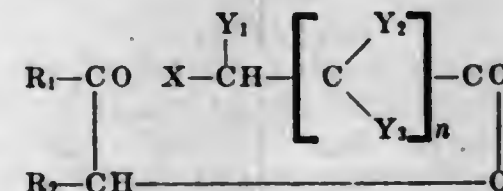
1. Builder mechanism for reciprocating a rail of a spinning or twisting machine having an oscillatable rocker shaft operatively connected with said rail, said mechanism comprising a slide moved reciprocally, a rocker arm on the rocker shaft, an element movably mounted on said rocker arm having means at one end interposed between said reciprocating slide and said rocker arm for transforming the reciprocal movements of the slide into oscillation of the rocker arm, said element having at the other end a cam fol-

lower, a cam mounted about the rocker arm shaft engaging said cam follower; and means also mounted about said rocker arm shaft for effecting rotary movement of the cam with respect to said rocker shaft whereby the said element is moved relatively to the axis of the rocker arm shaft to vary the extent of oscillation of the rocker arm.

2,386,749

LACTONES AND PROCESS OF MAKING SAME
Leopold Ruzicka, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application March 8, 1943, Serial No. 478,480. In Switzerland March 16, 1942
5 Claims. (Cl. 260-239.5)

1. A process for the manufacture of lactones, which comprises subjecting to the Reformatsky reaction a compound of the formula

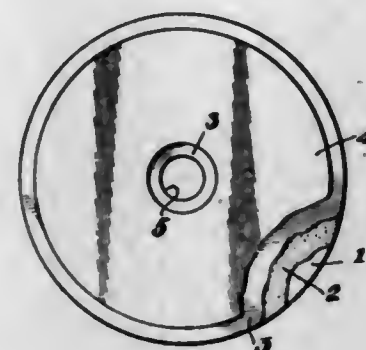


wherein R_1-CO represents an acyl radical free from substituents which interfere with the Reformatsky reaction, R_2 represents a member of the group consisting of hydrogen and organic radicals, the bond between an R_2 radical and the adjacent carbon atom being a carbon-to-carbon bond, X represents halogen, each of Y_1 , Y_2 and Y_3 stands for a member of the group consisting of hydrogen and alkyl, and n has one of the values 0 and 1, by reacting the said compound in an inert solvent medium with a metal in whose presence a carbonyl compound undergoes the Reformatsky reaction, whereby ring closure takes place, and a lactone is formed, and completing the reaction with the aid of a mineral acid whereby the said metal is split off in salt form from the lactone.

2,386,750

SELENIUM CELL

Otto Saslaw, Lyndhurst, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application September 8, 1943, Serial No. 501,532
2 Claims. (Cl. 117-104)



1. The method of preparing a selenium cell which comprises applying to the surface of the selenium a cellulose lacquer containing moisture and an electrically conducting substance.

OCTOBER 16, 1945

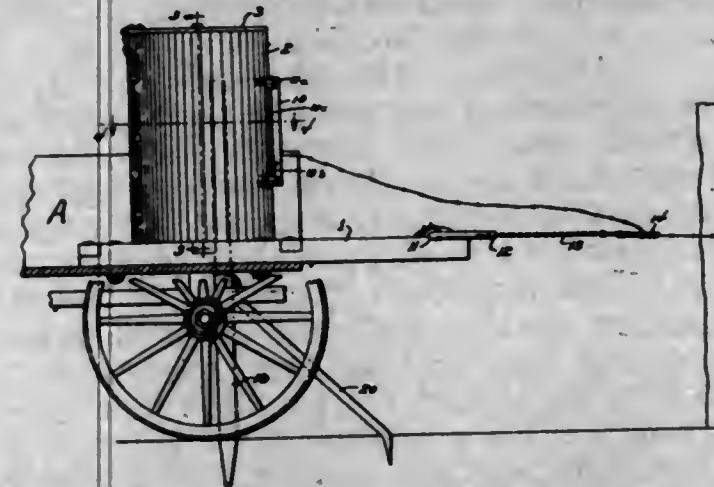
U. S. PATENT OFFICE

383

2,386,751

BARBED-WIRE STRETCHER

James H. Sayles, Uvalde, Tex.
Application February 5, 1943, Serial No. 474,820
1 Claim. (Cl. 242-85)

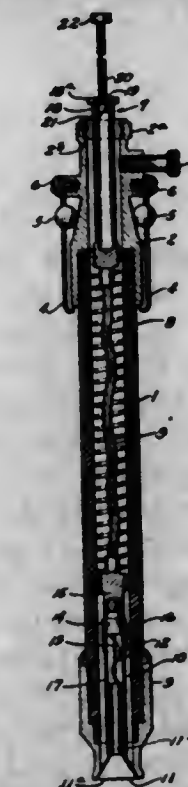


A wire handling device comprising a frame, a support for a roll of barbed wire rotatably mounted on the frame, a cylindrical casing surrounding the support and having an enlarged opening in the arcuate wall thereof, a pair of doors forming a closure for the opening, each hinged to an opposed side of the opening and adapted to move outwardly by contact of the wire therewith as it is withdrawn from the casing, and a spring connected to each door and to the casing to urge the free ends of the doors into contact with the strand at opposite sides thereof so as to tension the strand as it is withdrawn from the casing.

2,386,752

FUSE

William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Application April 30, 1943, Serial No. 485,099
10 Claims. (Cl. 200-127)



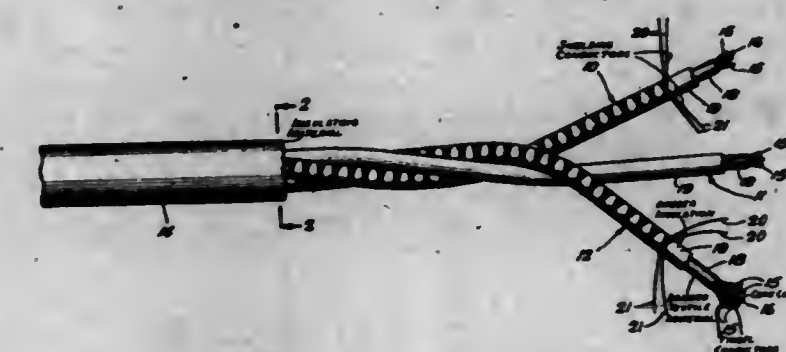
9. In combination: a tubular fuse cartridge having conductive abutment means at each end, one of said abutment means being a shoulder within the bore of the cartridge, and a fuse-link within said cartridge and tensioned between said abutment means, said fuse-link comprising a pair of spaced terminals engaging said abutment means individually, a fusible section and a tension spring in series interconnecting said terminals, said fuse-link being extensible lengthwise by stressing said spring, one of said terminals including a tube and rod telescoped together and

relatively movable lengthwise of the fuse-link whereby the length of said terminal can be temporarily extended to facilitate installing the fuse-link in the cartridge, said tube having an external radial protuberance seated on said shoulder and serving to anchor said tube thereto, the other of said terminals being operative as a closure for the discharge end of said cartridge, the over-all length of the fuse-link with said spring unstretched and said extensible terminal unextended being less than that of said cartridge, the over-all length of the unstretched fuse-link with said extensible terminal fully extended being greater than that of said cartridge.

2,386,753

INSULATED ELECTRICAL CONDUCTOR AND CABLE

John Shield, Valois, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 3, 1942, Serial No. 460,618
3 Claims. (Cl. 174-36)

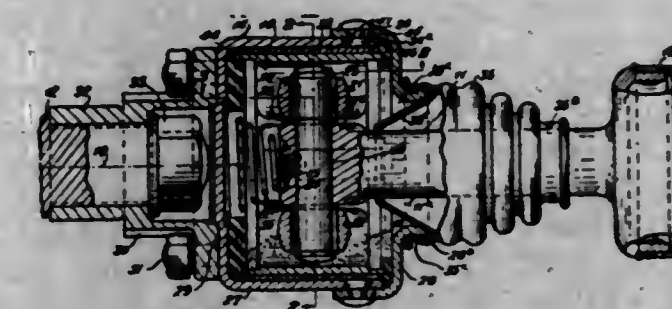


1. An insulated electrical conductor comprising a central tinsel conductor, a layer of braided insulating material over the tinsel conductor, a layer of rubber insulation surrounding the layer of braided insulating material, a plurality of fine wires wound helically and in opposite directions about the rubber insulation of the tinsel conductor, the number and lay of the wires being such as to provide a predetermined degree of shielding of the insulated tinsel conductor.

2,386,754

UNIVERSAL JOINT

Jacob Rush Snyder, Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application February 5, 1942, Serial No. 429,671
12 Claims. (Cl. 64-8)



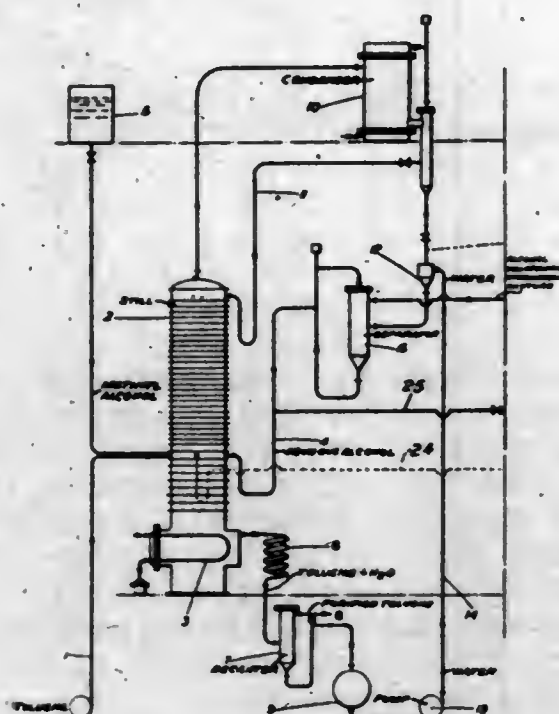
1. A universal joint comprising, a unitary hollow joint member elongated in a direction transversely of the axis of rotation of the joint and having bearing surfaces therein defining a correspondingly elongated opening, a second joint member adapted for connection with a rotatable member and having means extending into said opening and forming with said hollow joint member a flexible torque-transmitting connection, said means being both rockable and axially slidable in the bearing surfaces defining said opening.

an outer housing adapted for connection with a second rotatable member and having therein an opening elongated transversely of said axis of rotation and in which said hollow joint member is disposed, and resilient vibration-absorbing rubber located between said outer housing and hollow joint member at points offset from said axis of rotation and permitting limited relative rocking of the hollow joint member in said outer housing, said rubber being subjected to compression, as distinguished from shear or tension, between said hollow joint member and outer housing during the transmission of torque through the universal joint.

2,386,755

PURIFICATION OF HYDROCARBONS BY AZEOTROPIC DISTILLATION

Henry Michael Splers, Guildford, England, assignor to Woodall-Duckham (1920) Limited, Guildford, England, a British company
Application February 17, 1943, Serial No. 476,176
In Great Britain February 23, 1942
6 Claims. (Cl. 202-42)



1. A continuous process for the separation of undesired non-aromatic hydrocarbons from a raw material mixture containing non-aromatic hydrocarbons together with aromatic hydrocarbons boiling below 150° C., comprising feeding the hydrocarbon mixture with a 2-component azeotropic distillation agent consisting of an aliphatic alcohol containing not more than three carbon atoms in the molecule and water into a fractionating column having a stripping section and a rectifying section, withdrawing purified aromatic hydrocarbon and water from the stripping section, decanting the mixture to separate the aromatic hydrocarbon from the water distilling overhead from the rectifying section a distillate comprising the non-aromatic hydrocarbons and the alcohol, adding the recovered water to the distillate to effect a separation of the non-aromatic hydrocarbon from the alcohol, separating the non-aromatic hydrocarbon and the aqueous alcohol, distilling the non-aromatic hydrocarbon to separate alcohol therefrom and returning the alcohol to the fractionating column at a point closely adjacent the place of entry of raw material to the column, the quantity of water maintained in circulation in the circuit being not greater than the amount necessary to cause a separation of the bulk of non-aromatic hydrocarbons from the distillate.

2,386,756

METHOD OF PRESERVING LATEX AND PRODUCT THEREOF

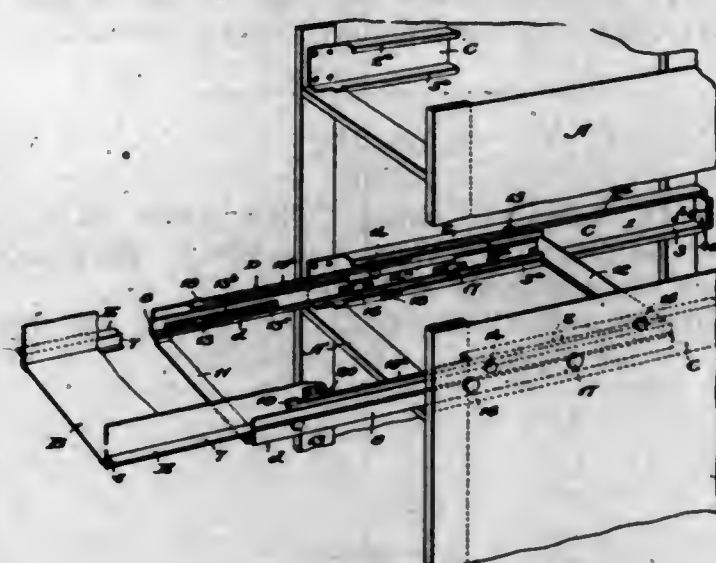
William D. Stewart, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application October 27, 1943, Serial No. 507,870
4 Claims. (Cl. 260-820)

1. The method of preserving freshly-collected latex which comprises treating the said latex within about eighteen hours after its collection from the tree by adding to the said latex a quantity of alkaline material equivalent to from about 0.25% to 0.35% ammonia by weight of the latex, said quantity being insufficient alone to preserve the latex, and also adding from about 0.01% to about 0.20% by weight of the latex of a dye selected from the class consisting of the azo dyes, the nitroso dyes and the triphenyl methane dyes, said dye being soluble in the alkaline latex to the extent of at least approximately 0.01% by weight.

2,386,757

DRAWER SUSPENSION

Clarence W. Straubel, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio
Application September 30, 1942, Serial No. 460,309
2 Claims. (Cl. 45-77)



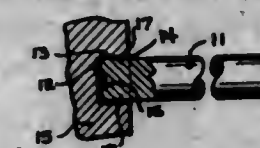
1. In a drawer suspension for filing cabinets and the like, a casing having a drawer-accommodating space, upper and lower forwardly and rearwardly extending track members carried by said casing at each side of the drawer-accommodating space therein, a drawer, a runner carried by said drawer at each side thereof and extending longitudinally relatively thereto, a pair of elongated suspension members free with respect to said track members and said runners and disposed at opposite sides of the drawer, respectively, and between the related upper and lower track members, respectively, each suspension member including an upper and a lower track element, a forward roller, a rear roller and an intermediate roller carried by each suspension member, means retaining said front and rear rollers in assembly with said suspension members for free traveling movement longitudinally with respect thereto, each forward roller being interposed between and being rollable upon the lower track element of the related suspension member and the related drawer runner, each rear roller being interposed between and being rollable upon the related upper track member of the casing and the upper track element of the related suspension member, each intermediate roller being interposed between and being rollable upon the upper track element

of the related suspension member and the related drawer runner, and other rollers carried by each suspension member rearwardly of the forward roller carried thereby and immovable longitudinally with respect thereto and interposed between and rollable upon the related drawer runner and the related lower track member of the casing, each intermediate roller including a trunnion, and means connected to each suspension member and cooperating with the trunnion of the related intermediate roller to retain the latter assembled with the suspension member for free traveling movement longitudinally with respect thereto.

2,386,758

WOOD JOINING FASTENER

Samuel L. Travers, Bronx, N. Y.
Application June 15, 1945, Serial No. 599,716
6 Claims. (Cl. 85-11)

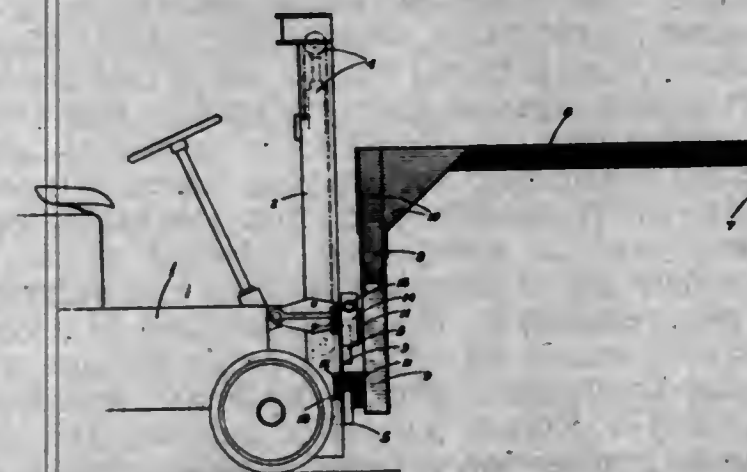


1. A wood joining fastener, comprising a circularly shaped sheet metal member bendable to engage upon the end of a dowel or rod and then having an end wall continuing into a skirt wall for engaging into an opening of a part to which said dowel or rod is to be connected.

2,386,759

DETACHABLE BOOM FOR INDUSTRIAL TRUCKS

John B. Ulm, Stockton, Calif.
Application June 6, 1944, Serial No. 539,022
3 Claims. (Cl. 214-65)



1. In an industrial truck which comprises a wheel supported body, an elevator frame upstanding from the body, and a carriage movable up and down the frame; said carriage including a pair of vertically spaced transverse bars clear of the frame, a boom, an arm rigid with and depending from the boom, and vertically spaced hook elements rigid with said arm and adapted to engage over the bars and disengageable therefrom upon upward movement of the arm, ears upstanding from one bar at the ends thereof, and a transverse rod removably projecting through the ears over the corresponding hook.

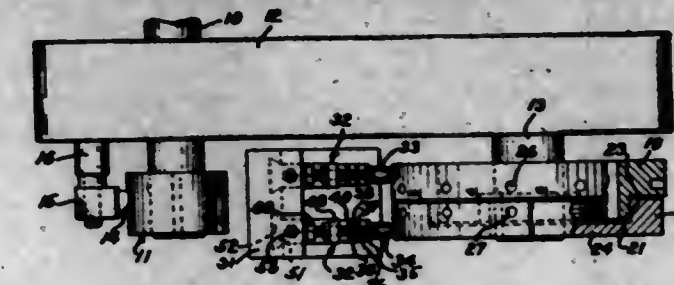
2,386,760

PULSE CONTROLLING APPARATUS

Stanley F. Warner, Forest Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 18, 1942, Serial No. 455,255
7 Claims. (Cl. 179-175.2)

1. The combination with a pulse generator emitting pulses in continuous automatic succes-

sion of means for completing a series connection from said generator to select a predetermined number of pulses in a predetermined period comprising a pair of relatively adjustable and rotatably driven contact controlling cams, a pair of



contactors adjustable tangentially with respect to said cams for completing the said series connection, and means for adjusting one contact of each of a pair of contactors with respect to its associated contact in the contactor.

2,386,761

METHOD OF MANUFACTURING ENDLESS POWER-TRANSMISSION BELTS

Burt W. Wetherbee, Buffalo, N. Y., assignor to Globe Woven Belting Co., Buffalo, N. Y., a corporation of New York
Application March 18, 1943, Serial No. 479,604
1 Claim. (Cl. 117-7)



The method of preparing a woven fabric tube section for the manufacture of endless belts which includes the successive steps of immersing the tube section in an aqueous dispersion of rubber containing a vulcanizing agent to cause said dispersion to impregnate said tube section in an amount approximately equivalent to twice the weight of the dry fabric and including water in the order of 139% of the dry weight of the fabric and the solids originally present in such water, drying the tube section without substantial stretching until the water content remaining does not substantially exceed 28% of the weight of the tube section and rubber content, the water content being of a value at which syneresis of the rubber particles approaches a plastic-coagulum stage, stretching the tube section while the water content has said value in order to straighten and elongate the filler elements with resultant transfer of their crimp to the warp elements, thereby increasing the crimp of the latter, and orientation of the threads of the filler elements into substantial linear parallelism, thereby compressing the fibers of the filler elements and increasing the degree of mutual separation of the warp elements and thereafter further drying said tube section while it is so stretched in order to effect the removal of the moisture content and to consolidate the rubber content.

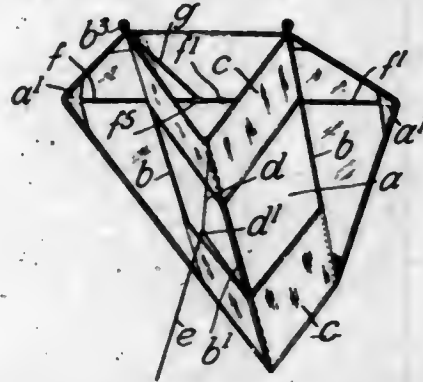
2,386,762

KITE APPARATUS

John Sylvester Wheelwright, Tonbridge, England
Application October 5, 1942, Serial No. 460,793
In Great Britain April 20, 1942
13 Claims. (Cl. 244-153)

11. A collapsible kite comprising a pair of parallel booms, a sail carried by said booms, a

spar for spacing said booms apart and keeping said sail extended, said spar including two sections jointed together for folding parallel with

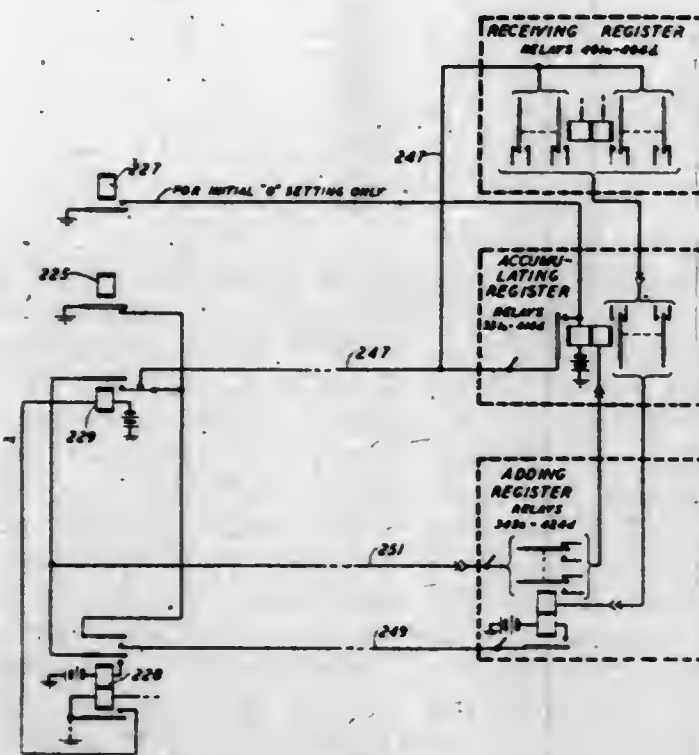


said booms and elastic members connecting said booms to said spar sections and urging them to normal spacing relation.

2,386,763

RECORD CONTROLLED SYSTEM

Samuel B. Williams, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 7, 1940, Serial No. 351,661
17 Claims. (Cl. 235-61.10)



2. A record controlled system for analyzing and reproducing a tape prepunched to record five digit numbers and an arbitrary character after each number, comprising in combination a means for sensing said tape, a plurality of registers each settable respectively in response to the sensing of a digit and said arbitrary character, a perforator controllable by said registers, means controlled by one of said registers when set to a predetermined digit for placing said perforator under the control of said registers, means operably associated with said perforator and responsive to the setting of each of said registers for causing said perforator to reproduce each of the digits registered therein including the arbitrary character, and other means operably associated with said perforator and controlled by the register settable in response to said arbitrary character for preventing said perforator from reproducing the first digit of the succeeding number if the value of said digit is the same as the value of the first digit in the preceding number which caused said perforator to be placed under the control of said registers.

5. A computing circuit for a combined distributing and reproducing mechanism comprising in combination with means for sensing a perforated tape containing a series of charge digits to be added together and a perforator, of a digit receiving register settable in response to each charge digit as sensed by said sensing means, an accumulating register having a numerical setting therein, an adding register, circuits completed by said receiving register and said accumulating register for setting said adding register to the total of the settings of said receiving register and said accumulating register, tens carry means between the different digital orders of said accumulating and adding registers; means responsive to the setting of said adding register for setting said accumulating register to the total in said adding register, successive settings of said adding register in response to successive settings of said digit receiving register being effected through said accumulating register as successively set by the previous setting of said adding register, and means for operating said perforator to punch the total in said accumulating register.

2,386,764

SYNTHETIC RUBBER LATEX

Benjamin M. G. Zwicker, Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York

No Drawing. Application September 9, 1941,
Serial No. 410,171

10 Claims. (Cl. 260-23)

1. A synthetic rubber latex prepared by the polymerization of a butadiene-1,3 hydrocarbon in an aqueous emulsion containing, as an emulsifying agent, a colloidal electrolyte selected from the class consisting of water-soluble soaps of saturated higher fatty acids, alkali metal alkaryl sulfonates, alkali metal higher alkyl sulfates and water-soluble salts of higher aliphatic bases, said latex containing, in addition to the said colloidal electrolyte, another emulsifying agent which is a truly water-soluble and non-ionizable long-chained organic compound selected from the class consisting of polyvinyl alcohol and polyether alcohols prepared by the condensation of a compound containing an ethylene oxide linkage with a water-insoluble organic hydroxy compound containing a higher aliphatic radical, the said synthetic rubber latex being stable against coagulation by mechanical agitation and by the addition thereto of latex compounding ingredients and being capable of being deposited to form strong, elastic synthetic rubber films.

2,386,765

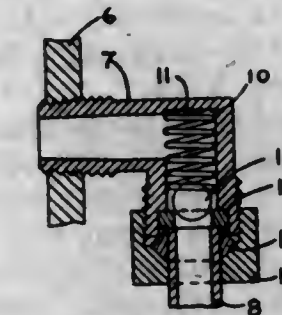
INTERNAL-COMBUSTION ENGINE CHARGE FORMING DEVICE

Harold A. Adams, Bakersfield, and Merrill Elchberger, Kernville, Calif., assignors to E. A. B. Incorporated, a corporation

Application April 18, 1944, Serial No. 531,616
2 Claims. (Cl. 123-119)

1. In an internal combustion engine charge forming device; a valve fitting attached to the intake manifold, a cylindrical recess in the interior of said valve fitting, a compression spring inserted in said recess, a valve ball secured in place and braced by said compression spring, a valve ball seat secured in said cylindrical recess of said valve fitting, said cylindrical recess, compression spring, valve ball and valve ball seat, by adjustment in size individually and in combina-

tion preselecting a charge suitably corresponding to the operating characteristics of the engine, a compression ring, a pipe, a lock nut securing said compression ring to said pipe and pressing said



compression ring against said valve ball seat, a compression fitting attached to the upper crank case section and connecting said pipe to the upper crank case section.

2,386,766

QUATERNARY THIAZOLIUM COMPOUNDS AND MANUFACTURE THEREOF

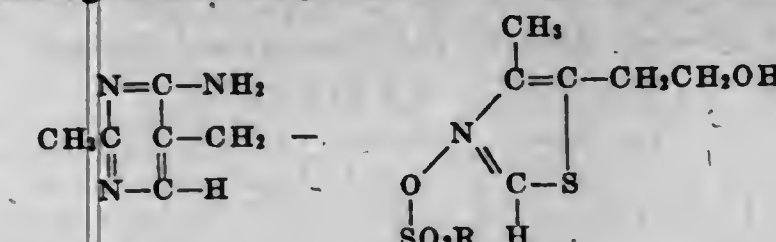
Hans Andersag and Kurt Westphal, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application December 30, 1936, Serial No. 118,260. In Germany January 28, 1936

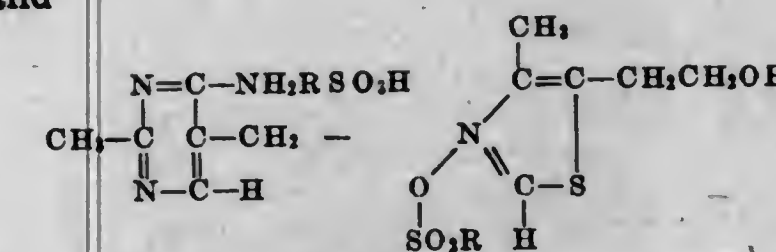
3 Claims. (Cl. 260-251)

1. The process of producing compounds having antineuritic properties which comprises condensing a 2-methyl-6-aminopyrimethyl aryl sulphate with 4-methyl-5-β-hydroxy-ethyl thiazole.

3. An antineuritic compound of the group consisting of the compounds having the formulae



and



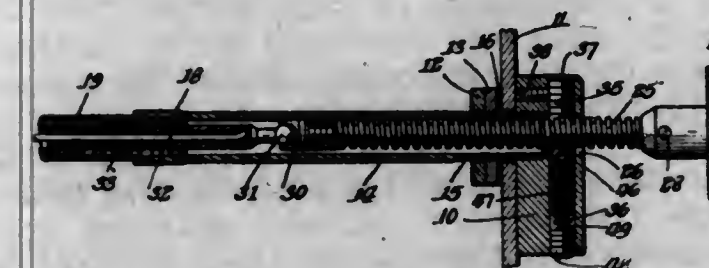
in which R is an aryl radical.

2,386,767

CONTROL MECHANISM

Charles A. Arens, Chicago, Ill., assignor to Arens Controls, Inc., Chicago, Ill., a corporation of Illinois

Application June 24, 1942, Serial No. 448,263
14 Claims. (Cl. 74-502)



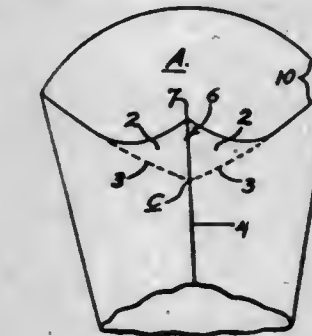
1. A control mechanism comprising a reciprocable control member, a reactance member, said control member being in the form of a shaft pro-

vided with an external longitudinally extending screw thread and said reactance member having means formed thereon for interlocking engagement with the screw thread, and means comprising a manual control handle secured to the shaft member for shifting said shaft member laterally to effect the selective engagement and disengagement thereof from the reactance member, said members being shiftable between engaged and disengaged positions by a movement no greater than the depth of said screw thread.

2,386,768

GARMENT CONSTRUCTION

Joseph A. Ayoub, San Francisco, Calif.
Application April 13, 1943, Serial No. 482,846
3 Claims. (Cl. 2-115)



1. A blouse-type garment having a body portion and a sleeve portion, the sleeve portion having an underarm seam and the body portion having a regular shaped armhole and a side seam, the upper end of the sleeve portion having an underarm angular projection which is bisected by the underarm seam, the sides of said angular projection forming an angle of between 110° and 130°, said angular projection formed by two substantially identical triangular projections integral with said sleeve portion and joined together by said underarm seam, the sleeve and body portions united around the armhole with the underarm seam and side seam substantially in line and in continuation with each other.

2,386,769

METHOD FOR SEPARATING HYDROCARBONS AND MAKING MERCAPTANS

Darwin E. Badertscher, Woodbury, N. J., Harry L. Coonradt, Camp Lee, Va., and Duncan J. Crowley, Penns Grove, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application October 7, 1942, Serial No. 461,116
18 Claims. (Cl. 260-609)

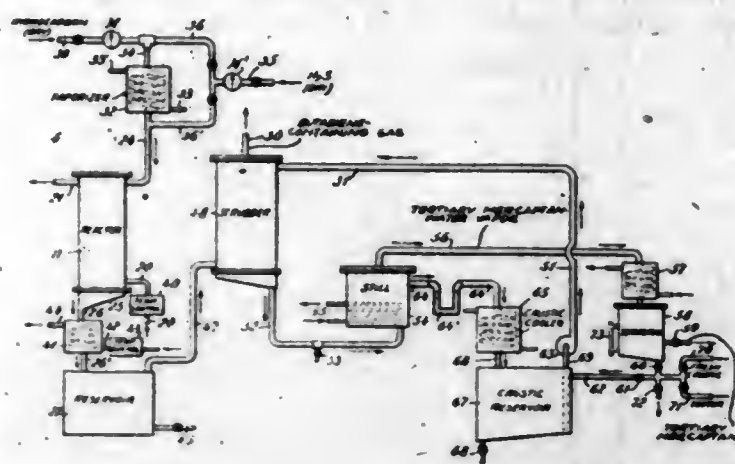
7. The method of selectively separating a tertiary base olefin selected from the group consisting of isobutylene, trimethyl ethylene and unsymmetrical methyl ethyl ethylene from a hydrocarbon mixture containing said tertiary base olefin and at least one non-tertiary base olefin, which comprises: admixing said hydrocarbon mixture with hydrogen sulfide; passing the reaction mixture thus formed in the vapor phase through a reaction zone containing a catalyst selected from the group consisting of acids and thioacids of phosphorus and their anhydrides and thioanhydrides, regulating the flow of said reaction mixture through said reaction zone to provide a very brief contact time therein and maintaining the temperature of said reaction mixture therein between about 25° C. and about 175° C., whereby said tertiary base olefin is converted to the corresponding tertiary mercaptan; and separating said mercaptan from the reaction product so obtained.

2,386,770

PURIFICATION OF BUTADIENE

Henry G. Daley, Woodbury, Heights, Duncan J. Crowley, Penns Grove, and Darwin E. Badertscher, Woodbury, N. J., and Harry L. Coonrad, Camp Lee, Va., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application March 2, 1943, Serial No. 477,714
10 Claims. (Cl. 260—681.5)



1. The method of purifying butadiene containing a tertiary base olefin as a contaminant, which comprises: passing an admixture of said contaminated butadiene and hydrogen sulfide in the vapor phase through a reaction zone containing a catalyst which promotes the conversion of said tertiary base olefin with hydrogen sulfide to the corresponding tertiary mercaptan, regulating the flow of said admixture through said reaction zone to provide therein a contact time from a fraction of a second to several minutes and maintaining the temperature of said admixture therein at a temperature below that at which butadiene will react with hydrogen sulfide, whereby said tertiary base olefin is converted to the corresponding tertiary mercaptan; and separating butadiene from the reaction mixture formed in the preceding operation.

2,386,771

METHOD FOR SEPARATING HYDROCARBONS AND MAKING MERCAPTANS

Darwin E. Badertscher, Woodbury, N. J., Harry L. Coonrad, Camp Lee, Va., and Duncan J. Crowley, Penns Grove, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application June 29, 1943, Serial No. 492,669
15 Claims. (Cl. 260—609)

1. The method of making a tertiary mercaptan from a tertiary base olefin selected from the group consisting of isobutylene, trimethyl ethylene and unsymmetrical methyl ethyl ethylene which comprises, passing said tertiary base olefin in the vapor phase with hydrogen sulfide through a reaction zone containing elementary phosphorus, regulating the flow of said reactants through said reaction zone to provide therein a contact time from a fraction of a second to several minutes and maintaining the temperature of said reactants therein between about 25° C. and about 200° C., whereby said tertiary base olefin is converted to the corresponding tertiary mercaptan.

2,386,772

METHOD FOR SEPARATING HYDROCARBONS AND MAKING MERCAPTANS

Darwin E. Badertscher, Woodbury, N. J., Harry L. Coonrad, Camp Lee, Va., and Duncan J. Crowley, Penns Grove, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application June 29, 1943, Serial No. 492,670
19 Claims. (Cl. 260—609)

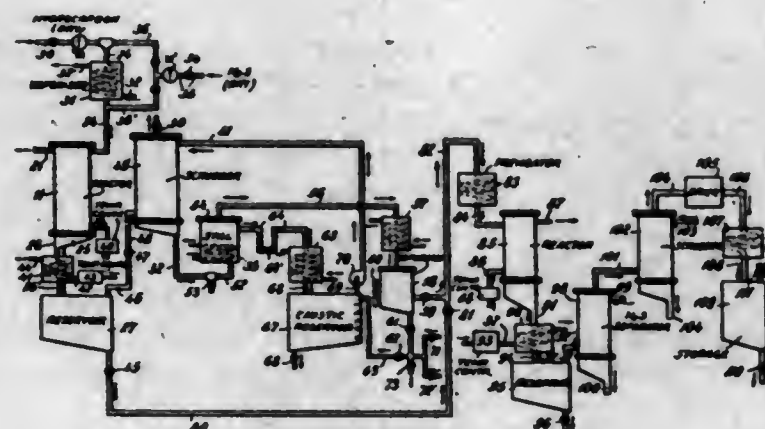
19. The method of selectively separating a tertiary base olefin selected from the group consisting of isobutylene, trimethyl ethylene and unsymmetrical methyl ethyl ethylene from a hydrocarbon mixture containing said tertiary base olefin and at least one non-tertiary base olefin, which comprises: admixing said hydrocarbon mixture with hydrogen sulfide; passing the reaction mixture thus formed in the vapor phase through a reaction zone containing a catalyst selected from the group consisting of an organic sulfonic acid and sulfuric acid, regulating the flow of said reaction mixture through said reaction zone to provide a very brief contact time therein and maintaining the temperature of said reaction mixture therein between about 25° C. and about 100° C., whereby said tertiary base olefin is converted to the corresponding tertiary mercaptan; and separating said mercaptan from the reaction product so obtained.

2,386,773

SEPARATION OF TERTIARY BASE OLEFINS FROM HYDROCARBON MIXTURES

Darwin E. Badertscher, Woodbury, Duncan J. Crowley, Penns Grove, and Charles F. Feasley, Thorofare, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application April 4, 1944, Serial No. 529,484
17 Claims. (Cl. 260—677)



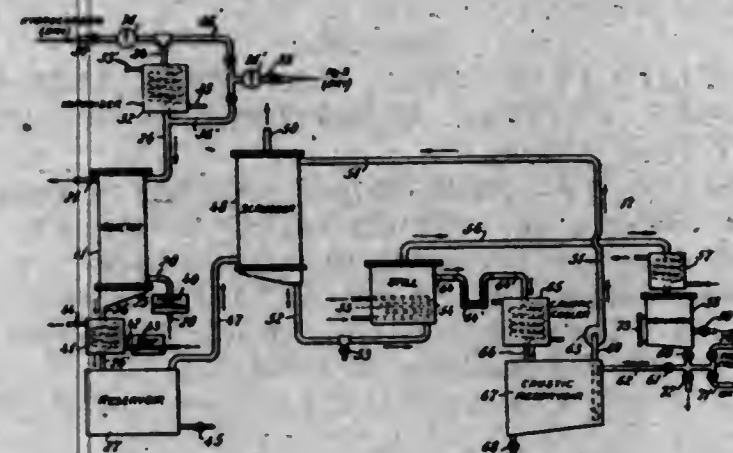
1. The method of purifying a tertiary base olefin containing a non-tertiary base olefin hydrocarbon as a contaminant which comprises: contacting an admixture of said contaminated tertiary base olefin and hydrogen sulfide in the vapor phase for a short contact time with a catalyst which promotes the selective conversion of said tertiary base olefin to the corresponding tertiary mercaptan; separating the said tertiary mercaptan from the reaction mixture obtained by the initial operation; decomposing said tertiary mercaptan to the said tertiary base olefin; and separating said tertiary base olefin from the decomposition mixture formed in the last-mentioned operation, thereby obtaining a substantially pure tertiary base olefin.

2,386,774

METHOD FOR SEPARATING HYDROCARBONS AND MAKING MERCAPTANS

Darwin E. Badertscher, Woodbury, N. J., Harry L. Coonrad, Camp Lee, Va., and Duncan J. Crowley, Penns Grove, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application April 25, 1944, Serial No. 532,610
5 Claims. (Cl. 260—609)



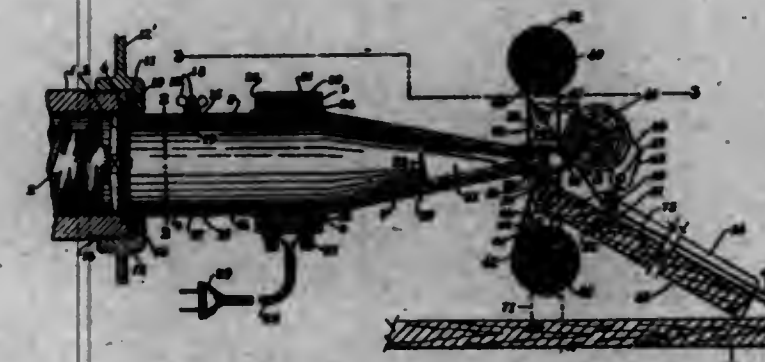
1. The method of selectively separating a tertiary base olefin which is in the vapor phase under the hereinafter-defined conditions, from a hydrocarbon mixture containing said tertiary base olefin and a hydrocarbon other than a tertiary base olefin, which comprises: admixing said hydrocarbon mixture with hydrogen sulfide; passing the reaction mixture thus formed in the vapor phase through a reaction zone containing a catalyst selected from the group consisting of tungstic acid and chromic acid, regulating the flow of said reaction mixture through said reaction zone to provide a very brief contact time therein and maintaining the temperature of said reaction mixture therein between about 55° C. and about 125° C., whereby said tertiary base olefin is converted to the corresponding tertiary mercaptan; and separating said mercaptan from the reaction product so obtained.

2,386,775

EDIBLE PRODUCT AND PROCESS FOR ITS PRODUCTION

Martin Louis Balzarini, Rockport, Mass., assignor of one-fourth to Bennett H. Levenson, Washington, D. C.

Application August 3, 1940, Serial No. 350,324
9 Claims. (Cl. 99—108)



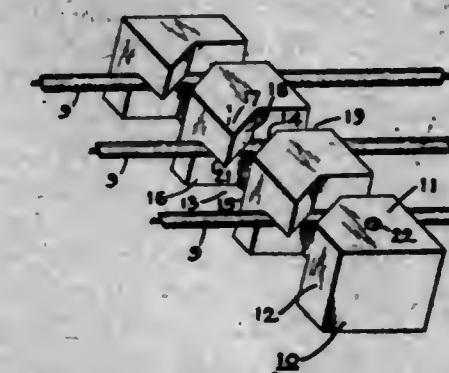
1. A fatty article of predetermined form comprising in major proportion a compact body portion of disaggregated fatty material, and in minor proportion a substantially uniform fluid-imperious sheath of fatty material enveloping said body portion.

2,386,776

HEATING APPARATUS

Alfons Barnstener and Ernest E. Sutherland, Mansfield, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 11, 1942, Serial No. 454,390
7 Claims. (Cl. 174—175)



1. A member adapted to be applied to wires or the like comprising a block having a groove therein, said groove having opposed side walls, one of said side walls being disposed at an angle to the opposite side wall and inclined away from said opposite side wall from the bottom of said groove toward the mouth of said groove, said block having a second groove therein disposed at substantially right angles to said first-mentioned groove and intersecting said first-mentioned groove, and a tongue member projecting from said opposite side wall of said first-mentioned groove toward said inclined side wall and stopping short thereof, said tongue having a surface substantially parallel to said inclined side wall and cooperating therewith to provide an entrance passage to the bottom of said first-mentioned groove whereby a wire or the like may be inserted therein, said tongue being substantially aligned with said second groove and of less height than the depth of said second groove and having a wall adapted to cooperate with the bottom of said second groove for maintaining said wire or the like within said second groove on rotation of said block about an axis normal to the general plane of said grooves.

2,386,777

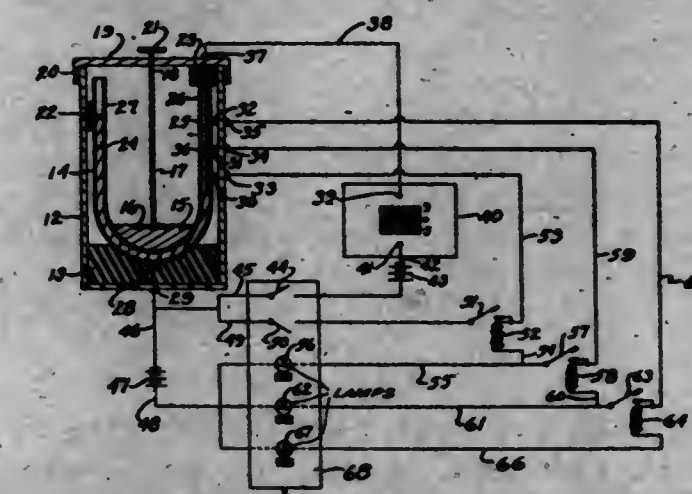
ACCELEROMETER

William W. Bentley, Jr., New Carlisle, Ohio

Application April 8, 1942, Serial No. 438,098

2 Claims. (Cl. 177—311)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



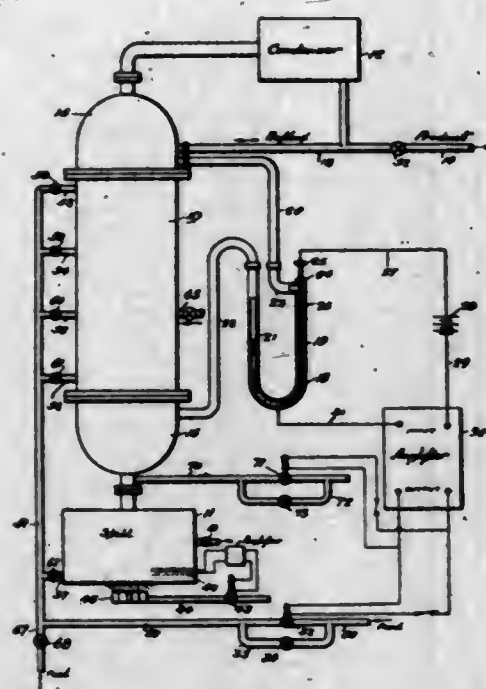
2. In an apparatus for indicating variations in vertical velocities, a support subject to vertical velocity variations including a tubular liquid container having an elongated vertically extending tubular portion, an elongated electrically conductive liquid column yieldably supported in said vertically extending tubular portion with its upper

end normally positioned at a predetermined distance from the upper end of said tubular portion, a plurality of electrical contacts insulated from each other extending to the interior of said tubular portion, spaced longitudinally along the tubular portion between the said normal liquid level and the end of said tubular portion for successive electrical contact with said liquid upon relative movement thereof toward said upper end, an operable electric circuit including a signal device connected to each of said electrical contacts at one end and at the other end in contact with said conductive liquid, operable upon relative vertical movement of said liquid column into contact with said contacts to successively actuate said signal devices, magnet switch means in each of said signal circuits, operable upon the energizing of said circuits to maintain said circuits subsequently energized, and switch means common to said circuits for rendering said magnet means inoperative.

2,386,778

FRACTIONATION CONTROL

Joseph B. Claffey, Philadelphia, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
Application February 20, 1941, Serial No. 379,745
17 Claims. (Cl. 202-160)



1. Apparatus for the fractionation of a fluid mixture containing components of different volatilities, comprising a column for the counter-current contact of ascending vapor phase with descending liquid phase, means for supplying vapor phase to said column, means for supplying liquid phase to said column and means actuated by difference in pressure of said vapor phase between vertically spaced points in said column for controlling the rate of phase supply to said column supplied by at least one of said phase supply means.

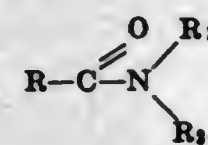
2,386,779

INSECTICIDAL COMPOSITIONS

Gerald H. Coleman, Wesley D. Schroeder, and Gerald A. Griess, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application September 15, 1941, Serial No. 410,874
8 Claims. (Cl. 167-24)

1. An insecticidal composition comprising a product selected from the class consisting of the

extracts of pyrethrin- and rotenone-bearing plants and as an added toxicant an amide having the formula:

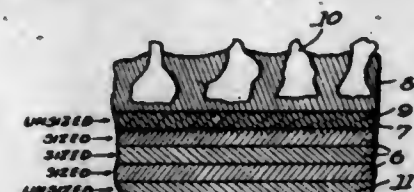


wherein R and R₁ each represents an alkyl radical containing from 1 to 4 carbon atoms, inclusive, and R₂ represents an aryl radical.

2,386,780

SHEETED CELLULOSIC MATERIAL AND ABRASIVE ARTICLE AND PROCESS OF MAKING THE SAME

Bert S. Cross, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Original application April 12, 1933, Serial No. 665,751. Divided and this application December 30, 1940, Serial No. 372,284
11 Claims. (Cl. 154-40)

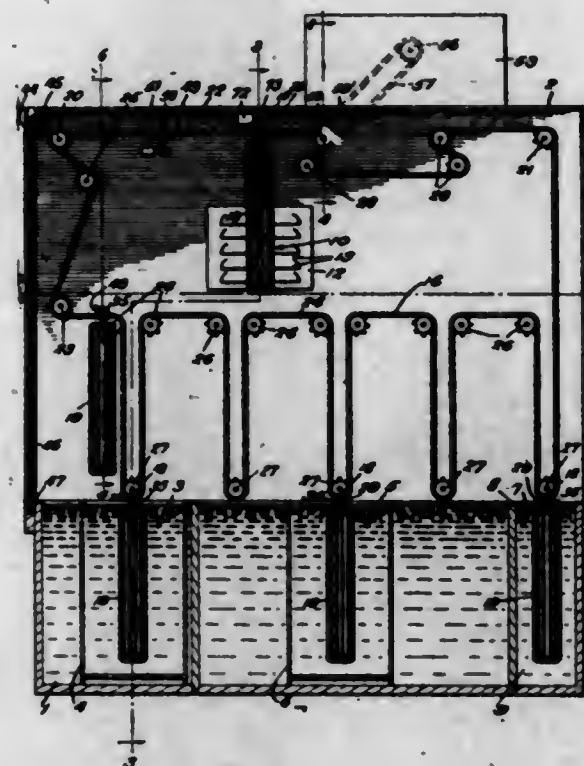


1. A new article of manufacture, substantially free from laminating defects, comprising plies of sheeted cellulosic material for the purposes described including a body having superposed portions thereof which are absorbent and other portions thereof more absorbent adhered together, the more absorbent portions whereof contain a flexibilizing medium penetrating the same and binding the fibres together and increasing the adhesion to the other superposed portion.

2,386,781

PHOTOGRAPHIC APPARATUS

Webster J. Daly, Los Angeles, Calif.
Application June 16, 1943, Serial No. 491,074
1 Claim. (Cl. 95-94)



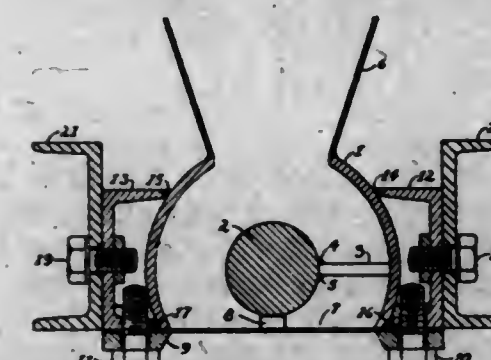
Photographic film developing apparatus comprising, an enclosure, a plurality of film treating stations within said enclosure, a pair of endless chains spaced from one another, film supporting rods interconnecting said chains, said rods being

spaced along said chains so as to divide said chains into sections of equal length, said chains being so arranged within said enclosure as to lie adjacent each of said film treating stations with the chain length between each station being equal to the distance between said film supporting rods, a motor to operate said chains, pins carried by said chains equal in number and spacing to said film supporting rods, and control means including a switch to be actuated by said pins and a timer operatively connected to said switch and having means connected to said motor to stop and start said motor.

2,386,782

EXTRUDING AND APPARATUS THEREFOR

Harry F. Eisengrein, Rochester, N. Y., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
Application February 10, 1943, Serial No. 475,459
3 Claims. (Cl. 146-174)



1. In an extruding device, a horizontal, cylindrical shell with an opening in the upper half thereof to allow the entrance of material, an oscillatable shaft centrally located in said shell, a radial vane extending from said shaft substantially to the surface of said shell and oscillatable with said shaft, said shaft and vane being rotatable through more than 180° and serving first to exert an extruding pressure, and then both a vertical extruding pressure and a horizontal by-passing pressure, a thin perforated plate secured in a horizontal position against an opening in the bottom of said shell, means normally closing the space between said shaft and the central section of said plate, and yieldable means for by-passing material from one side of said closure means to the other upon the application of overload pressure, the release of said yieldable means being incident to the oscillation of the vane through an angle sufficiently great so that a horizontal by-passing is obtained.

2,386,783

DERIVATIVES OF β-(3-HYDROXYCYCLOPENTANOPOLYHYDROPHENANTHRENE)-Δ^{4,5}-BUTYROLACTONES

Robert C. Elderfield, Hastings on Hudson, and Frederick C. Uhle, New York, N. Y., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application October 23, 1942, Serial No. 463,122
18 Claims. (Cl. 260-210)

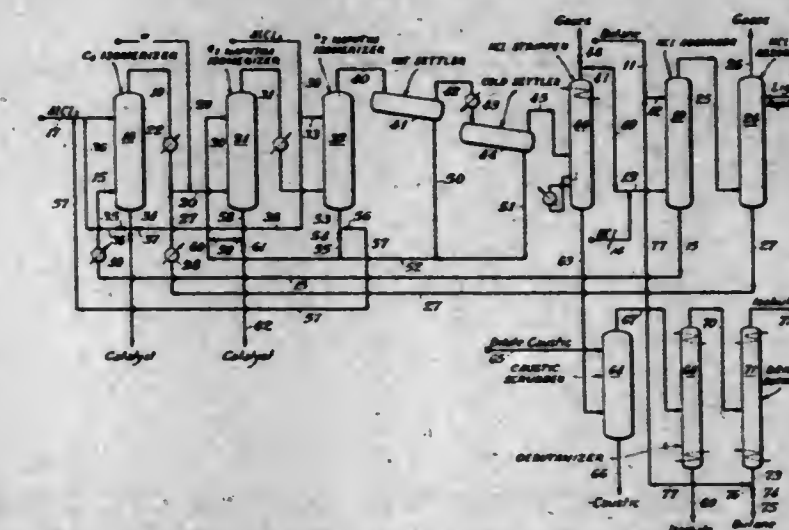
9. A glycoside of a β-(3-hydroxycyclopentanopolihydrophenanthrene)-Δ^{4,5}-butyrolactone having an aldose residue containing a β-pyranoside ring in which the substituents on the second and third carbon atoms are in a trans relation to each other, the 3 carbon atom of the cyclopentanopolihydrophenanthrene nucleus being linked glycosidally directly to said β-pyranoside ring.

579 O. G.-26

2,386,784

ISOMERIZATION

Nathan Fragen, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application September 30, 1942, Serial No. 460,227
5 Claims. (Cl. 260-683.5)



1. An isomerization process which comprises contacting normal butane with a liquid aluminum chloride-hydrocarbon complex catalyst and hydrogen chloride under isomerization conditions and in the absence of added hydrogen in a first contacting step to produce an effluent product stream containing isobutane and hydrogen chloride, contacting the effluent product stream from the first contacting step and a relatively low octane number paraffinic hydrocarbon of the pentane-hexane boiling range with a liquid aluminum chloride-hydrocarbon complex under isomerization conditions in the presence of added hydrogen in a second contacting step, adding high activity aluminum chloride catalyst material to the first contacting step for maintaining the activity of the catalyst complex therein, and transferring relatively inactive catalyst complex from said first contacting step to said second contacting step whereby said transferred catalyst complex is at least partially regenerated with the added hydrogen and whereby it simultaneously catalyzes the isomerization of the low octane number paraffinic hydrocarbon in the second contacting step.

2,386,785

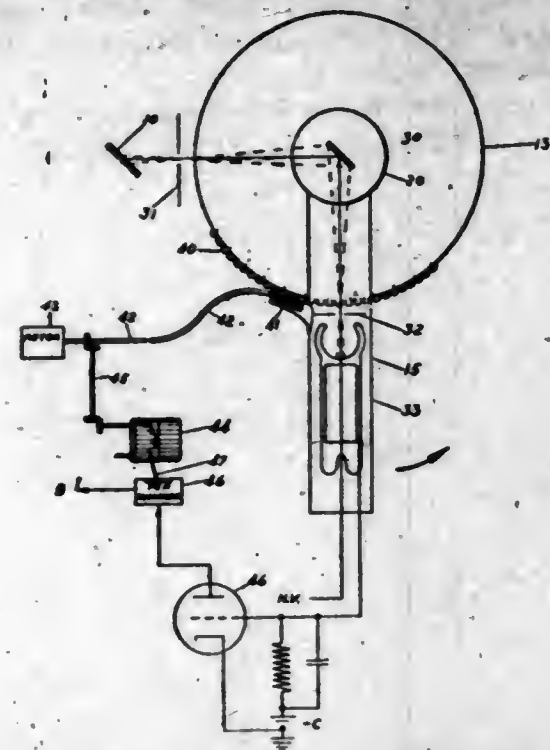
METHOD AND MEANS FOR MEASURING X-RAY DIFFRACTION PATTERNS

Herbert Friedman, Washington, D. C.
Application July 28, 1942, Serial No. 452,599
16 Claims. (Cl. 250-83.6)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

5. A device for determining the intensity of radiation in an X-ray diffraction pattern which comprises, means mounting a specimen for rotation about an axis, means directing a beam of radiation upon said specimen in a manner to produce a diffracted beam of radiation, a Geiger-Muller counter, means mounting said counter for rotation about said axis, said counter being mounted with its longitudinal axis intersecting said first mentioned axis and means rotating said specimen and said counter about said first mentioned axis, the relative positions and rates

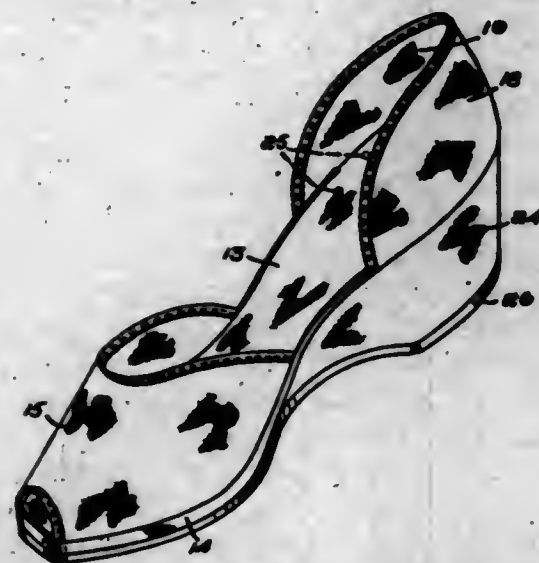
of movement of said specimen and said counter being so synchronized as to maintain said dif-



fracted beam directed into said counter along paths parallel to its axis throughout said rotation.

2,386,786 SHOE

Joseph P. Famolare, Chesnut Hill, Mass.
Application August 10, 1943, Serial No. 498,060
4 Claims. (Cl. 36-19.5)



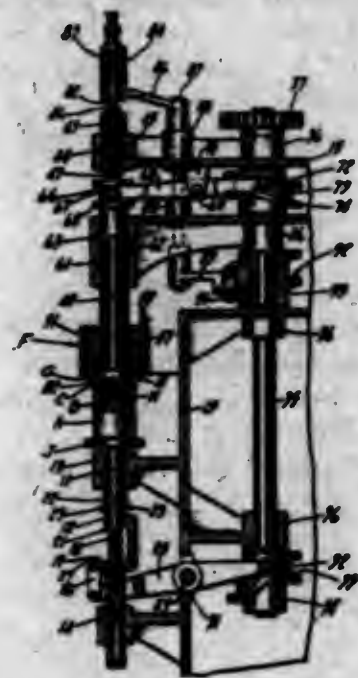
1. A wedge heel shoe comprising a midsole having a forepart of substantial thickness, a sock lining and a binding strip covering the edge of the midsole back to its heel seat portion, and a counter portion enclosing the heel seat of the midsole and including a covered wedge heel secured directly to the counter, whereby the forepart of the shoe presents a platform effect which terminates at the breast line of the counter, the covered midsole disappearing within the said counter portion.

2,386,787 CLOSING MACHINE

Nelson Geertsen, Chicago, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application March 13, 1943, Serial No. 479,082
7 Claims. (Cl. 93-55.1)

1. In a can closing machine for crimping can covers into sealed position onto can bodies, the combination of a crimping ring member having an inner tapered surface, a crimping chuck member disposed within said crimping ring member in spaced relation thereto and having an outer correspondingly tapered surface disposed in sub-

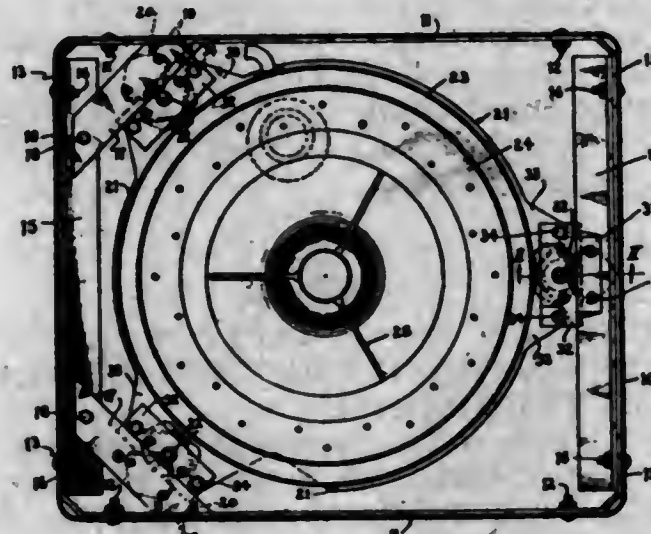
stantial and permanent parallelism with the inner tapered surface of said ring member, said chuck member being arranged to back up and support a flange part of a can cover superimposed upon a can body and interposed between the tapered surfaces of said crimping members, and actuating devices for moving one of said mem-



bers relative to the other in a straight line direction to reduce the space between the opposed parallel surfaces of said ring and chuck member and to engage the can cover and the can body between the said tapered surfaces so as to apply pressure thereto for wiping the flange of the cover inwardly into sealing engagement against the adjacent wall of the can body.

2,386,788 SUSPENSION MEANS FOR AUTOMATIC WASHERS

Peter Eduard Geldhof and Luther Ringer, St. Joseph, Mich., assignors to Nineteen Hundred Corporation, St. Joseph, Mich., a corporation of New York
Original application December 2, 1940, Serial No. 368,190, now Patent No. 2,347,190, dated April 25, 1944. Divided and this application May 1, 1943, Serial No. 485,293
1 Claim. (Cl. 248-20)

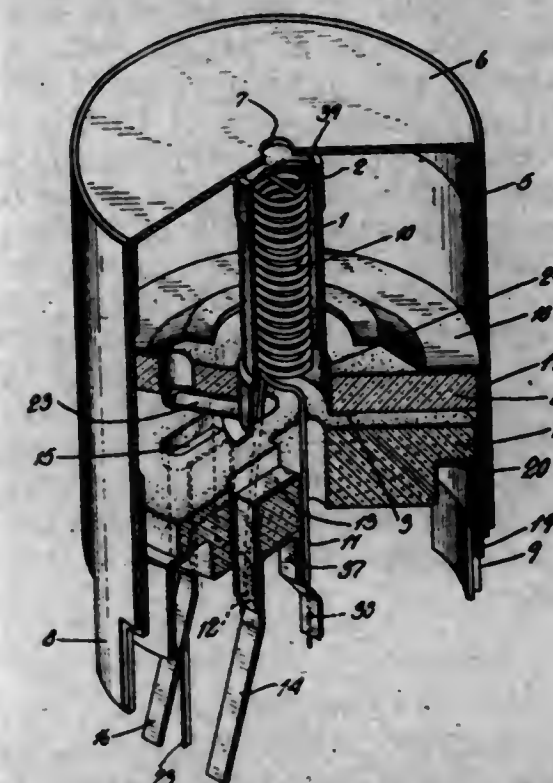


In a laundry machine having a substantially rectangular casing, means for suspending the operating mechanism of said machine in said casing comprising a base member, angularly disposed plates secured to said frame members in two adjacent corners of said casing and a third plate substantially centrally disposed on the opposite side of said casing, and means including resilient support means connected between said plates and said base.

2,386,789
CLEANING COMPOSITION
George W. Gregg, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
No Drawing. Application June 19, 1940, Serial No. 341,275
5 Claims. (Cl. 252-127)

1. In a stratified surface cleaner for cleaning relatively hard materials, the combination of the following stratifying materials: a solvent comprising one of the chlorinated hydrocarbons, a detergent comprising a vegetable oil soap, a penetrant comprising a tar acid oil, a coupling agent comprising normal butyl alcohol, an anti-foaming agent comprising ethyl alcohol, a preservative comprising rosin, a blending and thinning agent comprising sodium bichromate, and water.

2,386,790
ELECTRON GUN AND THE LIKE
Harry M. Gaun and Ross K. Gessford, Emporium, Pa., assignors to Sylvania Electric Products Inc., Emporium, Pa., a corporation of Massachusetts
Application November 29, 1944, Serial No. 565,662
8 Claims. (Cl. 250-27.5)

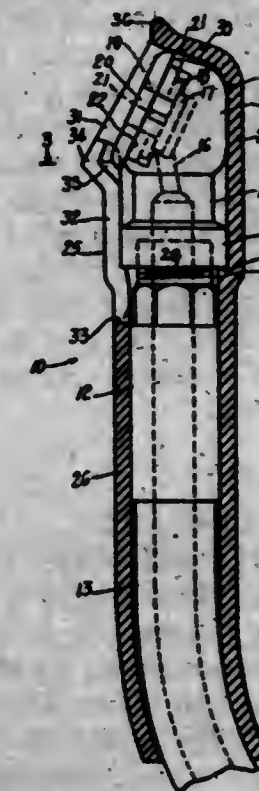


1. An assembly unit for electron tubes of the type described, comprising a pair of nested cylindrical electrodes, the inner electrode being closed at one end and in close proximity to the corresponding end of the outer electrode, said closed end of the inner electrode having a coating of electron-emissive material, and the adjacent end of the outer electrode having a small central opening concentric with the longitudinal axis of both said electrodes, a pair of rigid insulator members bridged across the interior of said outer electrode, said inner electrode having an outwardly extending annular flange at its open end the flange being sandwiched between said insulator members, and means to lock said insulator members, said flange and said outer electrode together as a unit.

2,386,791
CHUCK AND HOSE PROTECTOR
Bernard Greenwald, New York, N. Y.
Application September 27, 1944, Serial No. 556,069
4 Claims. (Cl. 138-61)

1. A device including a laterally opening valve chuck for feeding air into a pneumatic tire, which

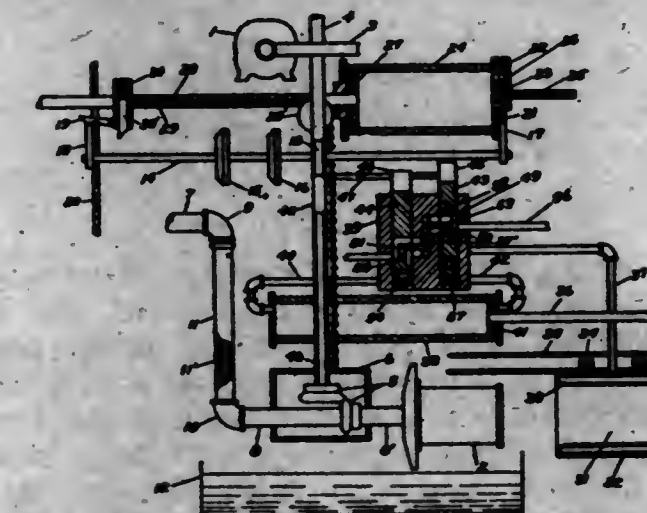
chuck comprises a rigid, removable shank to which an air hose is adapted to be connected and a hollow rubber one-piece member having a first section embracing the shank and extending at least to one end thereof, said member being elastic and having a second section extending beyond the other end of the shank to receive the adjacent part of the chuck, the second section having a lateral opening for the outlet of the chuck, the second section having an end wall



overlying the end of the chuck adjacent to said lateral opening, and the second section having a single, narrow slot communicating with the lateral opening at an underside of the chuck and extending down to the said first section, the wall of the second section being elastic for expansion thereof at the slot and said wall having sufficient stiffness to retain the second section securely around the chuck except when expansion is required for movement of the chuck past said end wall.

2,386,792 APPARATUS FOR PRODUCING FIBROUS FILTERS

Frank B. Hale and Oliver I. Gaines, Edgewood Arsenal, Md., assignors to Patrick J. Hurley, Secretary of War of the United States, as trustee for the United States of America
Application March 30, 1931, Serial No. 526,440
3 Claims. (Cl. 92-56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An apparatus for producing sucked-on filters for use in gas mask canisters comprising in combination a mandrel mounted on a shaft passing through the axis of rotation of said mandrel, means for revolving said shaft to revolve the

mandrel about its axis of rotation, means for reducing pressure within the mandrel to deposit material on the outer surface thereof, a tank containing a suspension of fibrous material, means for vertically lowering the mandrel into said tank until the mandrel is submerged and for alternatively vertically raising the mandrel out of said tank, means for holding said mandrel in a partly submerged position, a compression cylinder cooperating with said mandrel and mounted for reciprocal motion alternatively to a position surrounding said mandrel when the mandrel is completely out of the tank and to a position away from said mandrel, said compression cylinder including a fluid-pressure-actuated diaphragm mounted therein for surrounding and compressing all parts of the filter formed on said mandrel when the mandrel is completely removed from said tank, a source of fluid pressure for exerting pressure on said diaphragm, and actuating means for said compression cylinder to produce said reciprocal motion thereof.

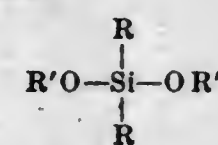
2,386,793

ORGANIC POLYSILICON ESTERS

William E. Hanford, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 6, 1940,
Serial No. 339,178

12 Claims. (Cl. 260-2)

6. The process of forming a polymeric product, which consists in subjecting a mixture of substantially equimolecular proportions of a dihydric alcohol and a dihydrocarbon silicon compound of the formula



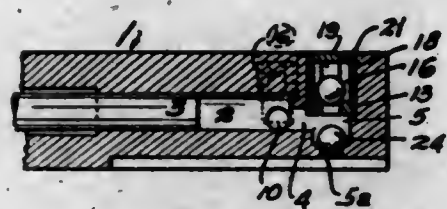
in which R and R' are hydrocarbon radicals to a temperature of 150 to 250° C., and continuing the process until a resinous mass is obtained.

2,386,794

PUMP VALVE STRUCTURE

James J. Hennessy, Montclair, N. J.
Original application March 23, 1942, Serial No. 435,769, now Patent No. 2,319,604, dated May 18, 1943. Divided and this application March 19, 1943, Serial No. 479,693

2 Claims. (Cl. 251-121)



1. In a valve structure, a body having a recess extending inwardly from one face of the body, there being an inlet port and an outlet port at the inner end of the recess and in a side of the recess respectively, a cage inserted axially through the open end of the recess and fitting against the sides thereof, and a movable element in said cage for controlling at least one of said ports, the cage having an inner end open to receive said element and having an imperforate outer end forming a closure for the outer end of said recess substantially flush with said body face, the corner formed by the side and outer end of the cage being bevelled, and a portion of the

metal of the body at the side of the open end of the recess being displaced over the bevelled corner of the cage to form a cage-retaining projection inwardly of the outer face of the body.

2,386,795

SPRING SUSPENSION FOR RAILROAD CARS

Albert F. Hickman, Eden, N. Y., assignor to Hickman Pneumatic Seat Co. Inc., Eden, N. Y., a corporation of New York

Application January 15, 1941, Serial No. 374,515
11 Claims. (Cl. 105-182)



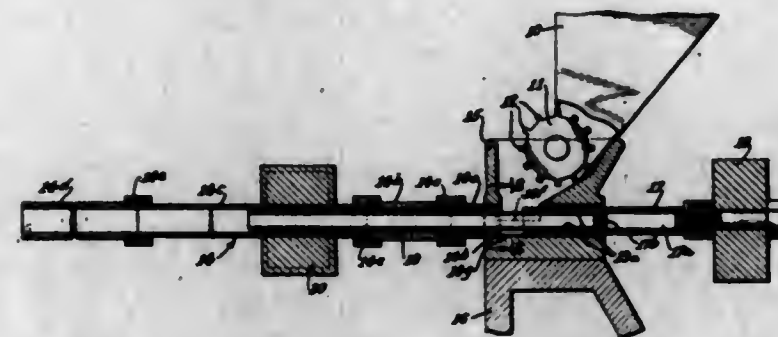
10. A laterally cushioned axle mounting between the wheeled axles and frame of a railroad car, comprising an axle bracket mounted on each end of each of said axles to project upwardly therefrom and arranged outside of the vertical plane of the annular line of contact of the adjacent car wheel with its rail, a normally generally horizontal crank arm pivotally mounted on said frame adjacent each end of each axle to swing about a horizontal axis extending transversely of said axle, said crank arm being interposed between the corresponding car wheel and axle bracket, a tension shackle pivoted at its lower end to said crank arm and at its upper end to the upper end of said axle bracket, and spring means connected to said frame and tending to urge said crank arm and its shackle downwardly, said crank arms and shackles permitting cushioned movement of said axles laterally of the car body.

2,386,796

EXTRUDING DEVICE

John Wesley Hoffecker, Wilmington, Del., assignor to Bond Crown & Cork Co., a corporation of Delaware

Application August 5, 1942, Serial No. 453,644
4 Claims. (Cl. 18-14)



1. In an extruding device for extruding material initially in comminuted form having a horizontal extrusion die of substantially uniform internal cross section along its length, a mandrel within and in spaced relation to the walls of said die, a comminuted material-receiving hopper disposed at the feed end of said die, a reciprocable ram alternately slidable into the extrusion passage formed between said mandrel and said die at the feed end of said die and alternately re-

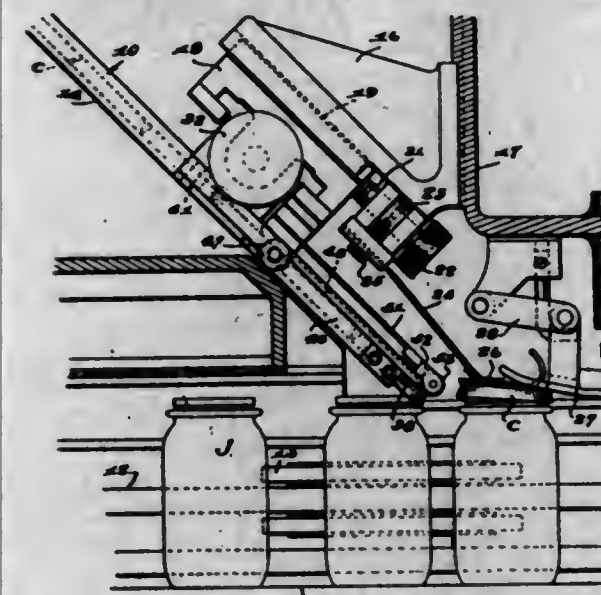
tractable to a position permitting comminuted material disposed in said hopper to feed by gravity to a position where it may be engaged and forced into said extrusion passage during the next forward stroke of said ram; the improvement which comprises means including a confining wall defining with said mandrel passageways at the horizontally opposite sides of said mandrel extending downwardly from the bottom of said hopper adjacent the feed end of said die, said passageways being wider between said mandrel and said confining wall than the wall thickness of said ram, whereby material fed from said hopper to said die will pass freely past said sides of said mandrel and become uniformly distributed in said extrusion passage about said mandrel.

2,386,797

JAR CAPPING APPARATUS

John Hohl and Olav Bjering, Toledo, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio

Application December 7, 1942, Serial No. 468,094
4 Claims. (Cl. 226-88.1)



1. Apparatus for assembling jars and caps comprising an inclined chute providing a guideway for the caps, stops fixedly connected to the chute at the lower end thereof and in a position relative thereto to arrest the caps in their downward movement, holding blocks positioned adjacent to the lower end of the chute, said holding blocks having beveled supporting surfaces behind the stops in position to engage beneath the margin of a cap at opposite sides of the cap while the latter is held against said stops, spring means for yieldingly holding said blocks in said position, and means for tilting a cap downward from said position in contact with the said stops and thereby moving the cap downwardly between said blocks to a position beneath the blocks.

2,386,798

RECOVERY OF CATALYSTS

Everett C. Hughes, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application October 31, 1942,
Serial No. 464,111

15 Claims. (Cl. 23-153)

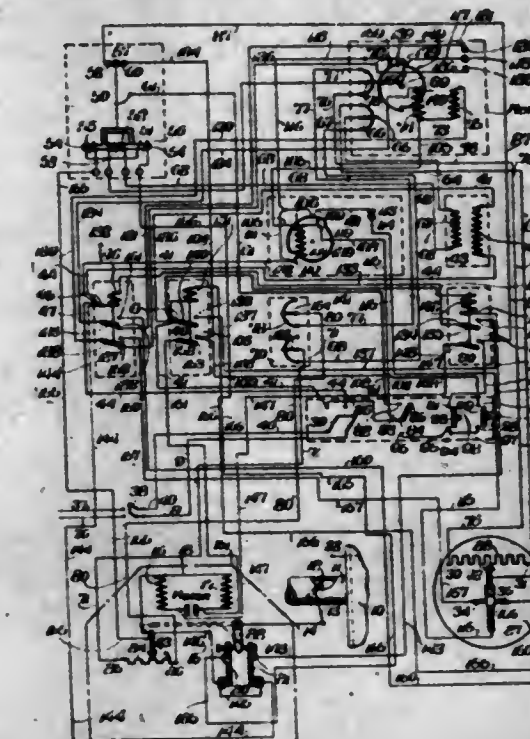
1. In a method of recovering a volatile fluoride selected from the group consisting of hydrogen fluoride and boron trifluoride, the step which comprises absorbing the fluoride in a di-aryl ketone.

2,386,799

CONTROLLING SYSTEM FOR REGULATORS

Walter Leslie Hunt, Philadelphia, Pa., assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application April 25, 1942, Serial No. 440,530
37 Claims. (Cl. 236-78)



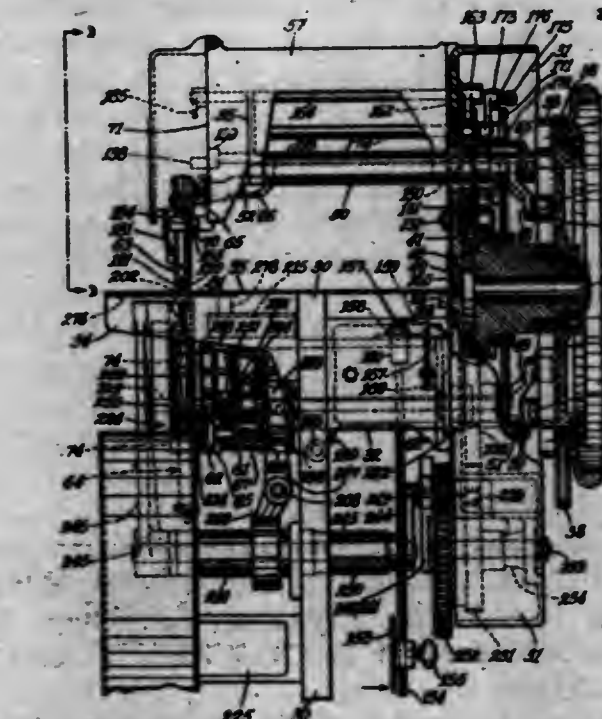
15. The method of regulating the magnitude of condition in a conditioned device which consists in establishing an initial balanced relation between the position of an arm movable with the variation in magnitude of condition and an arm movable with the variation in application of magnitude of condition affecting agent, in causing deviations from a desired magnitude of condition to progressively vary the application of the agent to move its arm to greater and greater disproportionate lengths relative to the magnitude arm, and in removing the accumulated disproportionate adjustments to reestablish the initial balanced relation of the arms as a function of an extreme positioning of an arm.

2,386,800

SEWING MACHINE

Carl W. Johnson, Brooklyn, N. Y., assignor to American Machine and Foundry Company, a corporation of New Jersey

Application September 7, 1940, Serial No. 355,738
28 Claims. (Cl. 112-171)



1. In a sewing machine of the class described, the combination with alternately moving needle

bars, of a needle, means for alternately connecting said needle with said bars for projection with a thread through work to be sewed, means for moving the thread out of the path of movement of said needle including a finger arranged to engage said thread, a support for said finger, and means for moving said support to move said finger in a substantially closed path substantially at right angles across the path of movement of said needle into and out of thread engaging position.

2,386,801

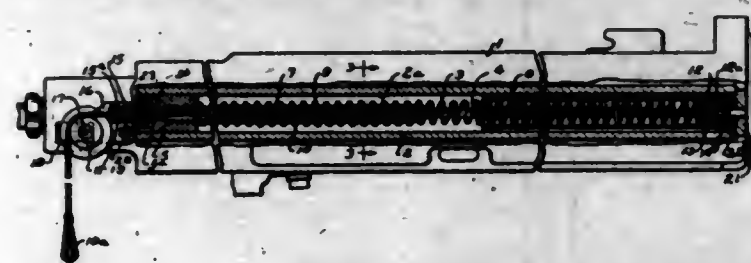
GUN COCKING DEVICE

Clifford E. Johnson, Medway, and Carleton R. Elliott, Dayton, Ohio

Application September 16, 1942, Serial No. 458,584

5 Claims. (Cl. 89-1)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A gun cocking device of the class described adapted for association with a gun having a breech and a breech bolt and having a housing arranged adjacent the breech, comprising, in combination, a supporting member adapted to be removably secured in said housing in fixed relation to the gun, said supporting member having an axial bore, a guide tube having an axial bore therethrough and secured to one end of said supporting member with its bore in alignment with the bore in said supporting member, said guide tube being adapted to be within the housing when the supporting member is secured in the housing, a hollow plunger axially aligned with said guide tube and adapted for reciprocating movement in said housing along an axis parallel to the axis of movement of the bolt, said plunger being closed at one end and open at the other end, said plunger being adapted to engage the breech bolt when positioned in said housing, a coil spring coiled around said guide tube and entering said plunger to engage the closed end thereof, said spring also engaging said supporting member to urge the plunger away from said supporting member, and a flexible cable secured to said plunger and passing axially through said spring and said guide tube and said supporting member, said cable being operable to move the plunger toward the supporting member into telescoping relation with the guide tube against the action of said spring, whereby the device may be detached from the gun and transported as a unit in that condition, and whereby the plunger will engage and move the gun bolt to cocked position when the supporting member is secured in fixed relation to the gun in said housing and the cable is operated as aforesaid.

2,386,802

FIREARM FOREGRIP

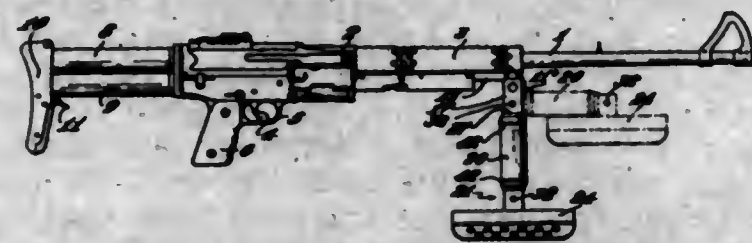
Melvin M. Johnson, Jr., Brookline, Mass., assignor to Melvin M. Johnson, Brookline, Melvin M. Johnson, Jr., and Edward E. Rice, Boston, Mass., as trustees of the Johnson Patent Trust, Boston, Mass.

Application August 4, 1944, Serial No. 548,040

4 Claims. (Cl. 42-94)

1. In a firearm having a barrel and supporting means embracing said barrel, a foregrip pivotally

secured at one end to said supporting means and pivotally secured at its opposite end to a plate adapted to embrace the under surface of said supporting means, the construction and arrangement of parts being such that the foregrip and plate



may be folded to retracted position beneath said supporting means so that the plate provides a protective shield for the foregrip, or to one of a plurality of extended positions wherein the foregrip provides a support with the plate serving as a foot therefor.

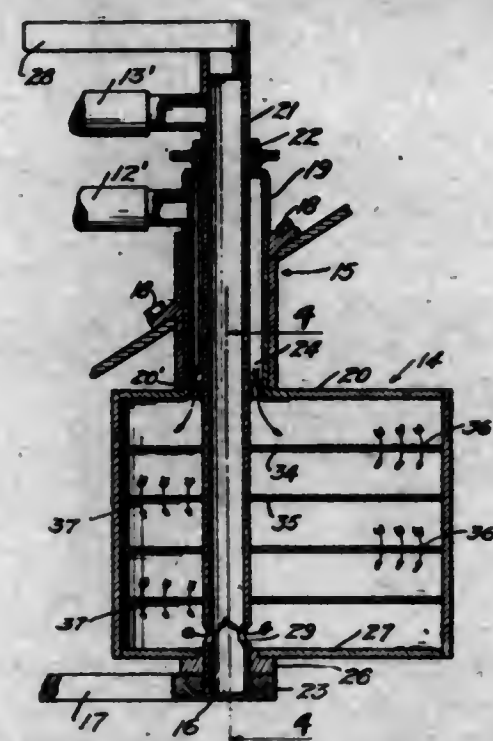
2,386,803

MEANS FOR COOLING FLUIDS ON BOATS AND THE LIKE

William B. Jutte, Los Angeles, Calif.

Application November 26, 1943, Serial No. 511,889

8 Claims. (Cl. 114-162)



1. In a boat having a source of heated fluid, concentric conduits for said fluid, one for induction flow of said fluid and the other for induction flow, a hollow rudder for the boat formed with a circulating passageway therethrough in communication with said conduits and having the outer wall of the rudder as a wall of said passageway, whereby the water within which the boat travels will be in heat exchange relationship with the fluid in the rudder through said wall, the outer of said conduits terminating at and being secured to the top of said rudder, and the inner of said conduits terminating at and being secured to the bottom of said rudder.

2,386,804

SOLIDIFIED NORMALLY LIQUID MATERIALS

Albert Joseph Laliberte, Naugatuck, Conn., assignor to Safety-Fuel Incorporated, West Cheshire, Conn., a corporation of Connecticut

No Drawing. Application March 18, 1942,

Serial No. 435,164

6 Claims. (Cl. 44-7)

1. Method for solidifying normally liquid organic materials which comprises reacting, under conditions of substantial chemical inertness against the liquid material to be solidified, a solu-

tion in said liquid material, of an organic acid of the group consisting of fatty acids of at least 12 carbon atoms in aliphatic chain length and rosin acids substantially soluble therein and saponifiable to produce a voluminous metallic soap gel from limitedly soluble to insoluble in said liquid material with a saponification agent of the group consisting of sodium hydroxide and sodium alcoholate, suspended with agitation in said liquid material in substantially dry pulverulent form, reactable with said organic acid to thereby form said soap gel, and permitting the materials to remain substantially quiescent during at least the last stages of the reaction, the viscosity of the mix and the particle size of said saponification agent being so coordinated as to substantially maintain said saponification agent in suspension during at least said last reaction stages, agitation being discontinued not earlier than the point at which said coordinated viscosity is present.

2,386,805

SOLIDIFIED NORMALLY LIQUID HYDROCARBONS

Albert Joseph Laliberte, Naugatuck, Conn., assignor to Safety-Fuel Incorporated, West Cheshire, Conn., a corporation of Connecticut

No Drawing. Application March 18, 1942,

Serial No. 435,166

13 Claims. (Cl. 44-7)

1. Method for solidifying a normally liquid inflammable hydrocarbon which comprises reacting a solution in said hydrocarbon of at least one member selected from a first group consisting of stearic acid, palmitic acid, oleic acid, coconut oil fatty acids, peanut oil fatty acids, and palm oil fatty acids, with a saponification agent of the group consisting of sodium hydroxide and sodium alcoholates, suspended with agitation in said solution in substantially dry pulverulent form, of the type reactable with said first group member to form a voluminous metallic soap gel from limitedly soluble to insoluble in said hydrocarbon, to thereby impart to said hydrocarbon a predetermined viscosity, thereafter reacting, in the presence of alcohol, at least one member, selected from a second group consisting of abietic acid and rosin, dissolved in said hydrocarbon, with a saponification agent of the group consisting of sodium hydroxide and sodium alcoholates, suspended in said hydrocarbon in substantially dry pulverulent form, of the type reactable with said second group member to form a voluminous metallic soap gel from limitedly soluble to insoluble in said hydrocarbon, to thereby solidify said hydrocarbon, and permitting the reaction mix to remain substantially quiescent during at least the last stages of the reaction, said viscosity being so coordinated to the particle size of saponification agent as to substantially maintain the same in suspension while the mix is quiescent, agitation being discontinued not earlier than the point at which said coordinated viscosity is present, said alcohol being present in amount not appreciably in excess of 3% by weight of the hydrocarbon.

2,386,806

REPRODUCTION METHOD

Robert F. Ledoux, Springfield, Mass.

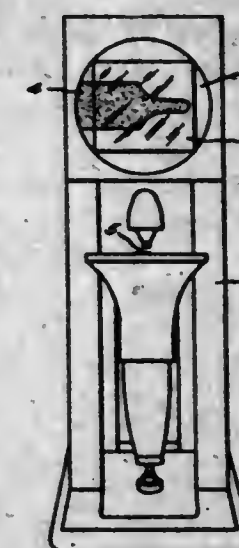
Application October 1, 1942, Serial No. 460,346

1 Claim. (Cl. 88-24)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The method of optical contour comparison consisting of, producing from a contour layout draw-

ing a direct contact print on a sensitized photographic medium which is not subject to dimensional changes, making from the negative thus produced a direct positive contact reproduction



on a transparent glass plate, projecting on a screen a light image derived from the contour to be tested, and then placing said glass plate over said image so as to compare the photographic reproduction therewith.

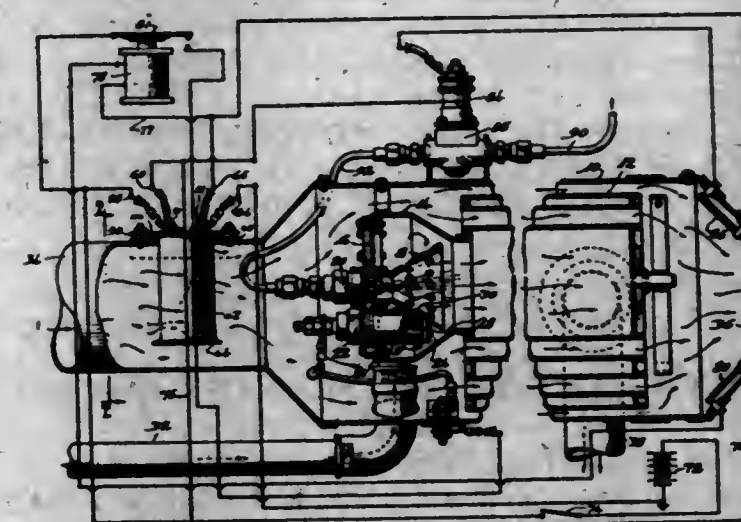
2,386,807

PRESSURE RESPONSIVE SWITCH

John H. Leslie, II, Winnetka, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application July 17, 1944, Serial No. 545,296

4 Claims. (Cl. 126-110)

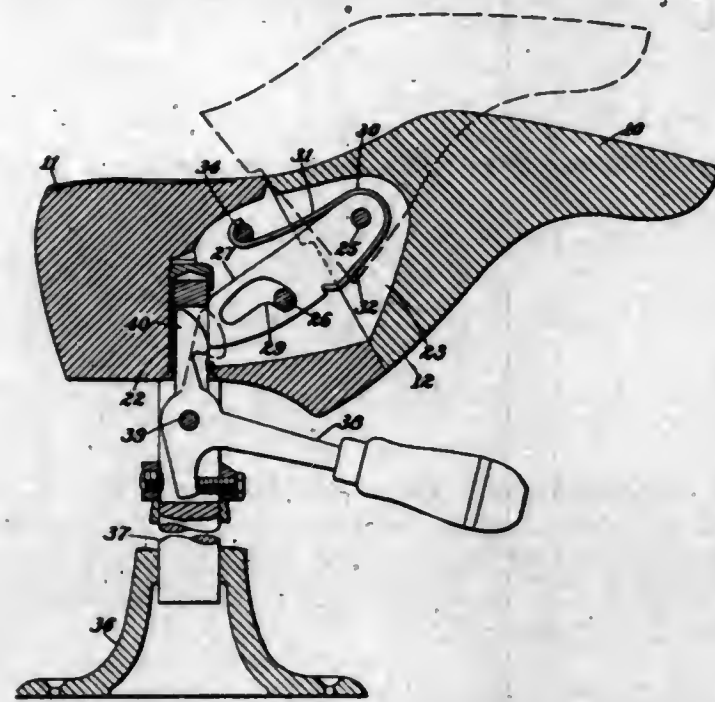


1. In a heater for aircraft and the like having a duct means for the supply of ventilating air, a heat exchanger, a combustion chamber connected thereto, an electrical igniter for the ignition of a fuel mixture in the combustion chamber, means for supplying air for combustion to the combustion chamber, and a solenoid valve controlling the flow of fuel to the combustion chamber, a control apparatus comprising: a pair of similar casings symmetrically positioned in the ventilating air stream, one of said casings having openings directed respectively upstream and downstream and the other casing having sidewardly facing openings, a pair of conductors in each of said casings, said conductors having a relatively high temperature coefficient of resistivity, means connecting said conductors to form a resistance bridge network having input terminals and output terminals, means for supplying an operating potential across said input terminals, a thermostatic overheat switch, a thermostatic igniter switch, a relay, a circuit across the output terminals including said overheat switch and said solenoid valve in series, a second circuit across said output terminals including said igniter switch and said relay, and an igniter energizing circuit completed by said relay.

2,386,808

TWO-PART LAST

Victor J. Levaggi, Jr., Beverly, Mass., assignor to United Last Company, Portland, Maine, a corporation of Maine
Application September 23, 1944, Serial No. 555,434
8 Claims. (Cl. 12-136)

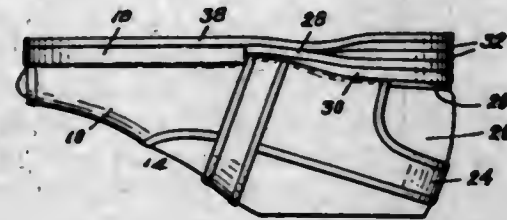


1. A two-part last comprising a forepart and a heel part having abutting oblique surfaces and cooperative stop shoulders, each of said parts having a kerf extending heightwise in its joint portion, a connecting link arranged in the kerfs, a pivot pin connecting said link and one of said parts, a latching pin connecting the link and the other one of said parts, the link having a slot forming a latching shoulder arranged to hook said latching pin when said stop shoulders are seated one on the other and thereby hold said parts in abutting relation, and a spring arranged to swing the link about said pivot pin to its latching position.

2,386,809

FOOTWEAR AND METHOD OF MAKING SAME

Roy Maling, West Roxbury, Mass.
Application September 19, 1944, Serial No. 554,796
13 Claims. (Cl. 36-19.5)

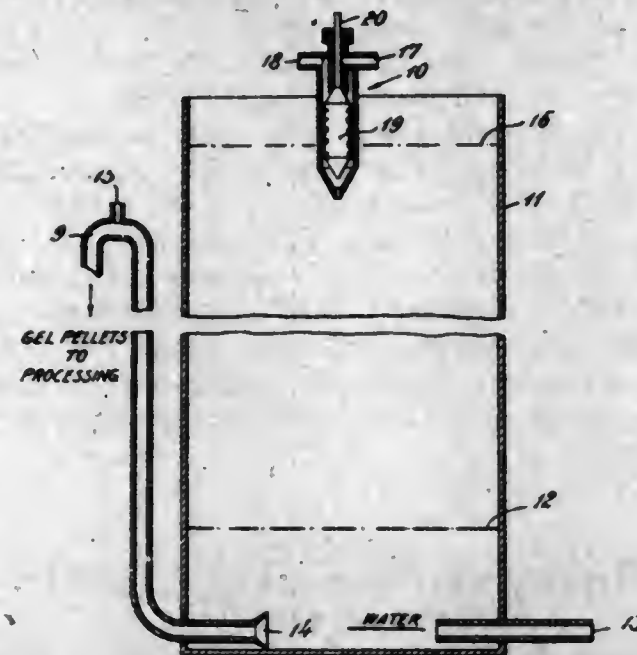


8. An article of footwear comprising an upper, a full length sock-lining over-size at least at its shank and heel regions and stitched to the upper around only the forepart of the article, an insole element on the outer side of the sock-lining having its edges bound by marginal excess portions of the over-size sock-lining which excess portions are turned over the edges of the insole element and secured to the outer face of the insole element, said upper being lasted only at regions from the shank rearward, and lasted over portions of the upper being secured to the outer face of said insole element, a platform and heel unit secured below the upper including securement thereof to the lasted over portions of the upper and to the outer face of the insole element at the shank and heel regions, and an outsole secured to said platform and heel unit.

2,386,810

GELS COMPRISING SILICA

Milton M. Marisic and Sheldon Dray, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application April 8, 1943, Serial No. 482,331
14 Claims. (Cl. 252-317)



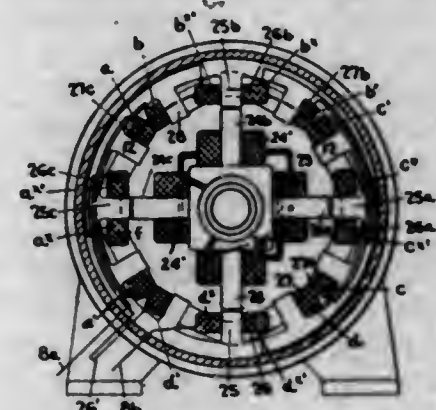
5. The process which comprises preparing a sol containing silica capable of setting to a hydrogel without substantial formation of gelatinous precipitate of silica by adding an alkaline silicate solution to an acid solution comprising a strong acid and a weak acid in a ratio of at least one equivalent of weak acid to 36 equivalents of strong acid.

14. The process which comprises preparing a sol containing silica capable of setting to a hydrogel without substantial formation of gelatinous precipitate of silica by adding an alkaline silicate solution, containing a soluble metal aluminate, to an acid solution comprising a strong acid and a weak acid in a ratio of about one equivalent of weak acid to 18 equivalents of strong acid to give a sol having a pH of about 5 to 8.

2,386,811

APPARATUS FOR PRODUCING ALTERNATING CURRENTS

Howard I. Morris, Lakewood, Ohio, assignor of one-third to Carl M. Yoder and one-third to Harvey O. Yoder, both of Lakewood, Ohio
Application February 10, 1942, Serial No. 430,232
8 Claims. (Cl. 171-252)



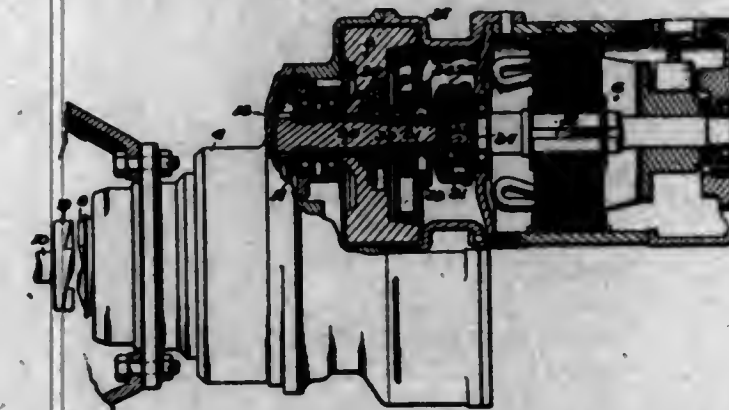
2. A generator for generating alternating current comprising a stator provided with a plurality of equally spaced poles each carrying an individual winding, a rotor provided with a like number of wound poles and with the same spacing as the poles on the stator, adjacent coils on the stator and rotor poles being oppositely connected in their respective circuits, said poles being spaced apart a distance to provide spaces between adjacent poles equal to at least twice

the width of said poles, whereby the voltage generated in said stator coils drops to substantially zero during movement of the rotor poles past the spaces between the stator poles.

2,386,812

ENGINE STARTING MECHANISM

Romeo M. Nardone, Westwood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 20, 1940, Serial No. 366,504
6 Claims. (Cl. 123-179)



1. In an engine starter, in combination with an engine engaging member, means for rotating said engine engaging member, said rotating means including a motor and gear train, additional rotating means including a flywheel and a releasable clutch connecting said flywheel to said gear train, means for moving said engine engaging member to engine engaging position, and means for electrically holding said clutch in released position, said holding means being energized in response to the movement of said engine engaging member to engine engaging position.

2,386,813

METHOD OF PRESERVING STEEL PLATE FROM CORROSION AND PREPARING ELEMENTS OF CONTAINER BODIES THEREFROM

Frank J. O'Brien, Pelham, N. Y., and Curtis E. Maier, Elmhurst, Ill., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application July 21, 1942, Serial No. 451,756
1 Claim. (Cl. 117-37)



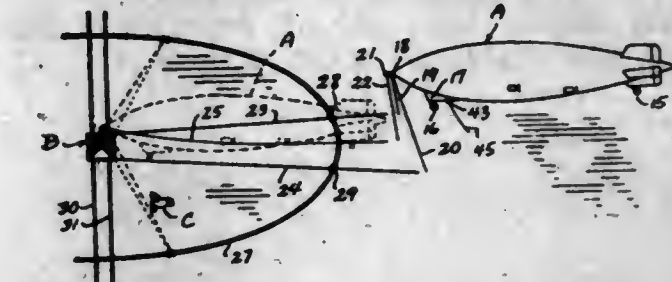
The method of preserving steel plate from corrosion and preparing elements of container bodies therefrom, which comprises applying to the area of the plate which is to be protected against corrosion an adherent protective coating which is essentially stable at soldering temperature and comprising an intimate uniform mixture of a thermo-fusible and non-heat-hardening lacquer resin and a thermo-fusible solder fluxing resin, heating a part of the said area to a temperature effective to liquefy the lacquer coating on said area and to melt solder, applying solder to the heated partial area wherewith the liquid lacquer is displaced from the metal for effecting a bonding of the melted solder to the metal in the presence of and with a fluxing by the action of the

said solder flux resin and in the absence of added solder flux and cooling the said partial area wherewith the lacquer reestablishes a hard protective film extending over all unsoldered parts of said area.

2,386,814

METHOD AND APPARATUS FOR MOORING AIRSHIPS

Charles E. Rosendahl and Oscar Loeser, Jr., United States Navy
Application August 6, 1943, Serial No. 497,580
4 Claims. (Cl. 244-116)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

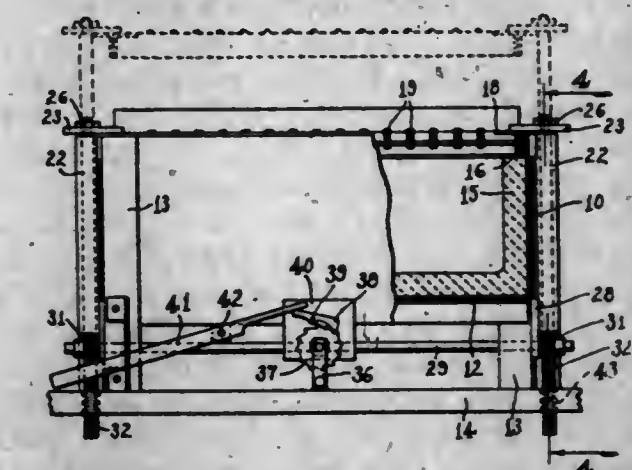


1. The method of mooring an airship to a mooring mast consisting in flying the airship substantially horizontally toward the mast, lowering the ship's bow into closely spaced relation to the ground at the leeward side of the mast, attaching the ship's bow to a universally mobile ground car to prevent vertical movement of the ship, moving the mobile ground car toward the mast so as to engage the ship's nose with the mooring mast while manipulating the ship's yaw lines to prevent undesired lateral or over-riding movement of the ship, and disconnecting the mobile ground car from the ship.

2,386,815

BROILER

Samuel S. Rubenstein, New Haven, Conn., now by judicial change of name Samuel S. Roberts
Application July 30, 1942, Serial No. 452,918
2 Claims. (Cl. 126-25)



1. A broiler comprising a fuel-containing fire-box having a bottom and upstanding sides, means for supporting said box from a base with the bottom thereof in spaced position above the base, a pair of standards, one slidably mounted upon the outer face of each of two opposite upstanding sides of the box, means forming a guideway on the outer face of each of said sides of the box in which the corresponding standard is disposed, a food-supporting grill carried by said standards adjacent the upper ends thereof above the fuel in the box, means for raising and lowering said standards comprising rack teeth on the standards below the grill, a shaft rotatably mounted below the bottom of the box, and pinions on said shaft engaging the rack teeth, means for rotatably supporting said shaft from the box, a second shaft

extending transversely to the first shaft to a point adjacent the front of the firebox, gearing connecting said shafts, means at the front of the firebox for rotating said second shaft, a ratchet wheel on said second shaft, a pawl engaging the teeth of said wheel to hold the grill in elevated position, and a lever for moving said pawl to inoperative position to permit lowering of the standards and grill.

2,386,816

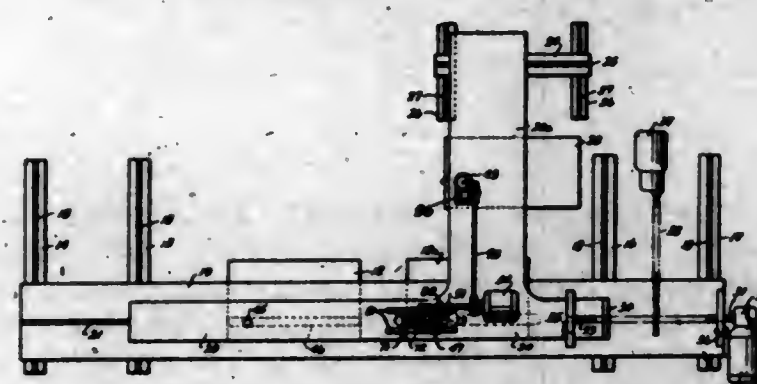
STEREOSCOPIC MODELING MACHINE

Louis A. Scholz, Dayton, Ohio

Application August 11, 1944, Serial No. 549,106

7 Claims. (Cl. 90-13.8)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A stereoscopic modeling machine for reproducing in three dimensions on a reproductive bed the contour of an object photographed stereoscopically, comprising, in combination, supporting means for a pair of stereoscopic photographs; carving means for cutting into the reproductive bed; power driven means for moving the carving means across the face of the reproductive bed longitudinally; means actuated when the carving means has completed its transit across the face of the reproductive bed to cause the carving means to move through a small increment laterally or at right angles to the first transit and then start another transit across the face of the reproductive bed in a path parallel to the first transit but in the opposite direction; said last named means then causing another small movement parallel to the first-named small increment and in the same direction; the carving tool thus moving over substantially the entire surface of the reproductive bed; a photoelectric cell circuit comprising a photocell which is moved synchronously with the carving tool adjacent to one of the stereos and a set of several photocells which is movable with the carving tool but adjacent to the second stereo; a mounting for the set of photocells permitting small movements thereof independent of any lateral or longitudinal movement of the carving tool; means responsive to the varying densities of points on the two stereos to cause the photocell set to automatically center itself over points in the second stereo which exactly correspond in density to points in the first stereo; the circuit containing said photocells being electrically balanced when the photocell set is exactly centered as described; means for mounting the carving tool to permit movement thereof substantially at right angles to the surface of the reproductive bed; and means mechanically connecting the set of photocells with the carving tool mounting means to translate the independent small movements of the set of photocells into movements of the carving tool to cut into the reproductive bed proportionately to the independent displacements of the photocell set.

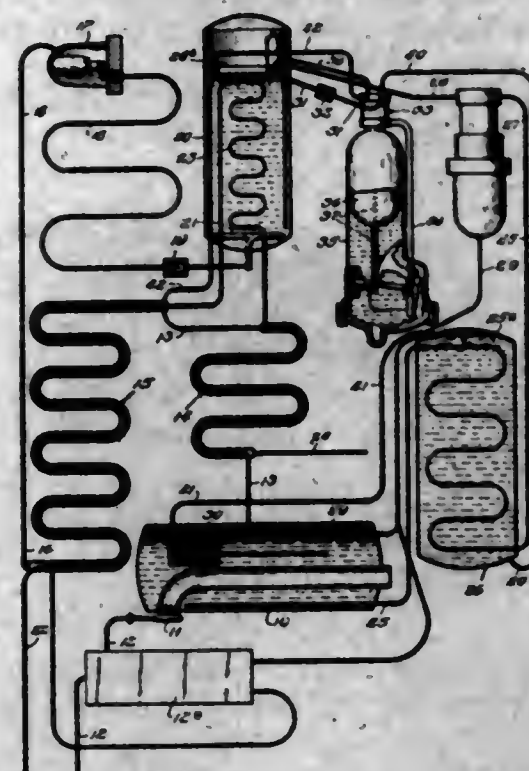
2,386,817

CONTROL VALVE

Ralph E. Schurtz, Kansas City, Mo., and Joseph N. Roth, Belding, Mich., assignors, by means assignments, to Montcalm, Incorporated, Greenville, Mich., a corporation of Michigan

Application March 8, 1941, Serial No. 382,420

19 Claims. (Cl. 62-5)



2. A valve of the character described for controlling transfer action in a continuous absorption refrigeration system wherein transfer of rich liquid from a low pressure portion of the system to a high pressure portion is effected through an intermediate transfer chamber, including: a cylinder having inflow and outflow ports, and balancing ports opposite each, the inflow port and its balancing port being open to the high pressure portion of the system; and a valve piston movable in said cylinder to control the flow of said fluid, the piston having therein openings adapted, in one position thereof, to connect the inflow and outflow ports on the one hand and their balancing ports on the other hand.

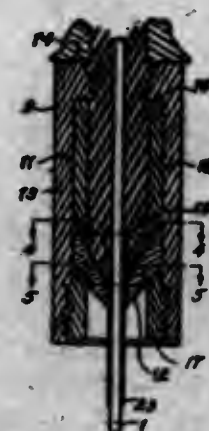
2,386,818

COATING METHOD AND APPARATUS

Frederick R. Seavey, Alton, Ill., assignor to Olin Industries, Inc., a corporation of Delaware

Application December 12, 1942, Serial No. 468,755

7 Claims. (Cl. 117-115)



1. The method of coating an elongated body comprising, drawing the body through a column of viscous plastic whereby plastic for forming the coating is carried along with the body, separating substantially all said plastic from the body, advancing said plastic in a plurality of individual streams spaced about the body, and reuniting the said streams of plastic as a coating surrounding the said body.

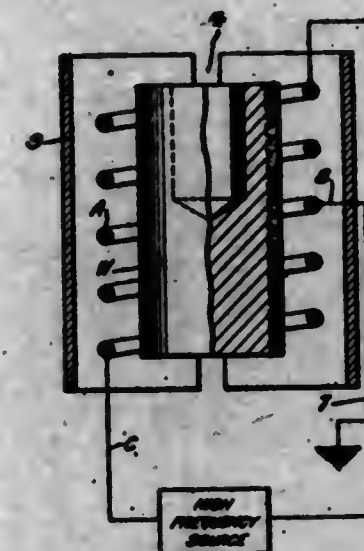
2,386,819

INDUCTION HEATING APPARATUS

Vernon W. Sherman, Summit, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y., a corporation of Delaware

Application February 25, 1943, Serial No. 477,086

6 Claims. (Cl. 219-13)



1. An induction heating apparatus for the surface heating of work pieces by induction, comprising an inductor of a plurality of turns adapted to be positioned in inductive heating relation to the work and an equalizing shield member of high electric conductivity material positioned in magnetically coupled relation to the heating inductor at the opposite side thereof from the heating field and work to have opposing and neutralizing influence upon the heating flux field to counteract distortion thereof incident to counter-magnetomotive forces set up within the work, said shield being longitudinally separated to be of a non-closed coil formation and of a size to be longitudinally coextensive with the inductor and of a form substantially to surround the inductor and means for energizing the heating inductor with a high frequency current.

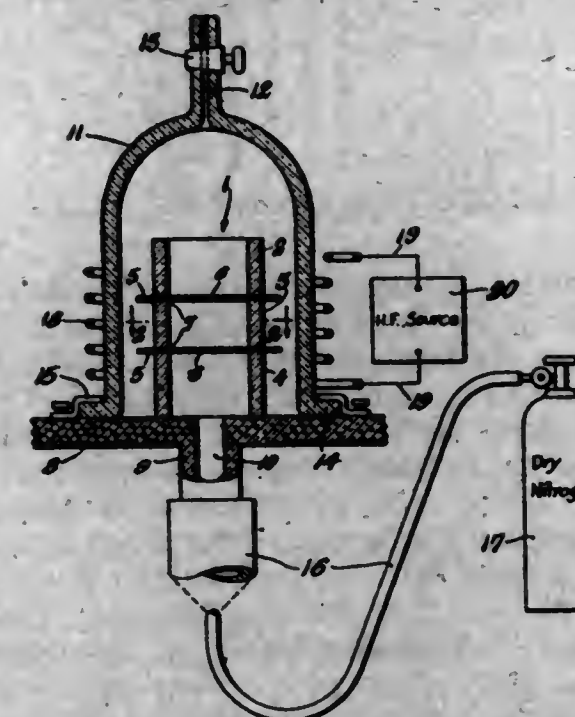
2,386,820

METHOD OF FORMING SEALS

Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application December 22, 1941, Serial No. 423,985

3 Claims. (Cl. 49-81)



2. The method of sealing a vitreous member to a conductor comprising arranging said vitreous

member and said conductor in juxtaposition in an atmosphere of a gas having a heat conductivity of the order of nitrogen or lower, said atmosphere having a pressure of the order of several pounds per square inch above atmospheric pressure, and generating heat in said conductor to heat said parts to sealing temperature while subjected to said pressure of gas.

2,386,821

METHOD OF MAKING LAMINATED STRUCTURES

George Emil Tardiff, Beechurst, N. Y.

Application October 27, 1942, Serial No. 463,496

7 Claims. (Cl. 144-309)



1. A method of conforming wood layers to the internal shape of a mold having decreasing cross-sectional areas, comprising placing a succession of relatively thin wood planks transversely within the mold at a zone thereof having a relatively large cross sectional area, forcing said planks towards a smaller end of the mold in a direction longitudinally of the mold while restraining said planks at their ends and substantially maintaining the original transverse disposition thereof, and securing said planks to retain substantially the shape afforded thereto by the mold.

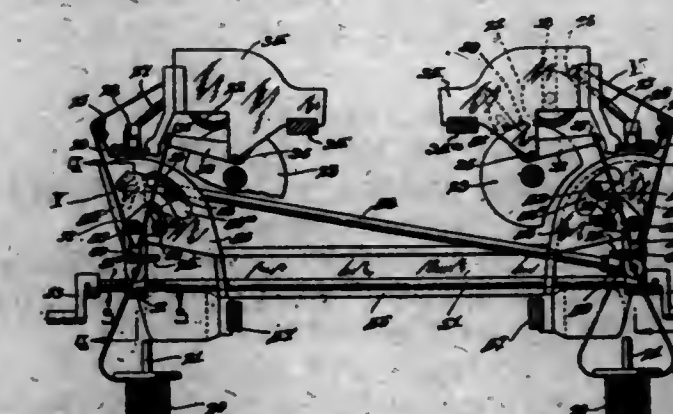
2,386,822

YARN FEED CONTROL MEANS FOR TEXTILE MACHINES

Pacific J. Thomas, Wyoming, Pa., assignor to U. S. Textile Machine Company, Scranton, Pa., a corporation of Pennsylvania

Application January 4, 1944, Serial No. 516,945

10 Claims. (Cl. 242-37)

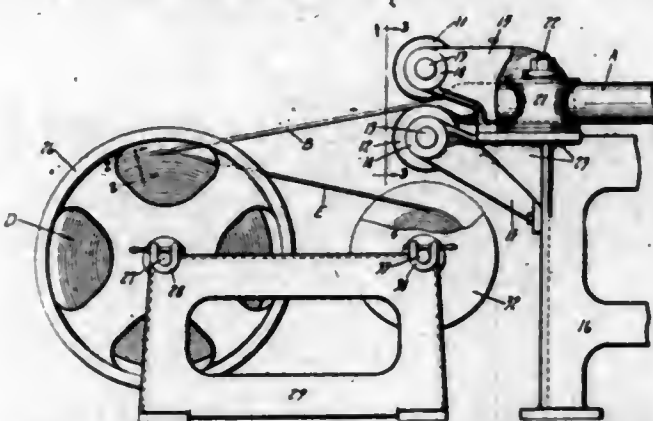


1. An apparatus of the character described comprising a driving drum, a yarn take-up roll arranged to be frictionally connected with the latter, an element arrangement to be inserted between the drum and roll to effect disconnection thereof, yarn breakage detector means arranged to control the action of said element, and selectively movable means adapted to be positioned so as to prevent insertion of said element between said drum and roll.

2,386,823

METHOD OF PREPARING TUBING FOR TRANSPORTATION

Ivan D. Thornburgh, Leonia, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 3, 1943, Serial No. 512,829
2 Claims. (Cl. 153-2)

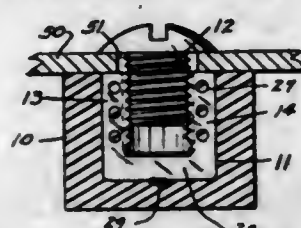


1. A method of preparing metallic tubing for transportation and handling as an incident to the manufacture of metal containers, comprising flattening the tubing to produce a double wall ribbon having hollow curved side edges, reeling the flattened ribbon into a coil, and simultaneously interposing between the layers of coiled ribbon a spacer tape narrower than said ribbon so that the tape will be clear of the outer hollow edges of the ribbon to maintain its adjacent edges free of each other so that sharp creasing of the flattened tube edges will be prevented.

2,386,824

FASTENING DEVICE

George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 20, 1944, Serial No. 527,274
6 Claims. (Cl. 85-32)



1. In combination, a body of moldable material having a pocket opening onto one face thereof for receiving the shank of a threaded stud, and spaced strips embedded in said body adjacent the pocket, each strip having a portion thereof extending into the pocket and provided with teeth for the reception of the threaded fastener.

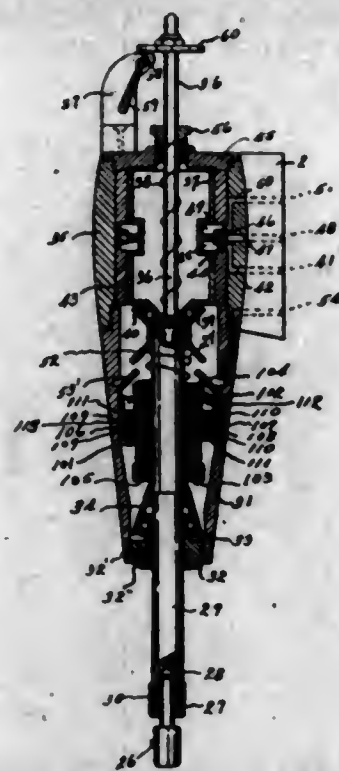
2,386,825

TRACER MECHANISM

Manuel Turchan, Dearborn, and Curtis Walker, Detroit, Mich.
Substituted for abandoned application Serial No. 322,150, March 4, 1940. This application February 15, 1941, Serial No. 379,111
9 Claims. (Cl. 90-62)

1. In a tracer mechanism of the class described, a tracer head having an inlet port and an outlet port in spaced relation, an intermediate port positioned between said inlet and outlet ports, a valve mechanism in said head for controlling a communication of said intermediate port with said other ports and movable into positions for alternately establishing communication between said intermediate port and said inlet port and said outlet port, and a conduit-bearing arm mounted on said head and having a plurality of non-communicating passages, each of said ports being in communication with one of said passages.

5. In a tracer mechanism of the class described, a housing; a tracer spindle projected at one end inwardly of said housing; and a stabilizer mechanism within said housing cooperating with said spindle intermediate its ends for limiting said

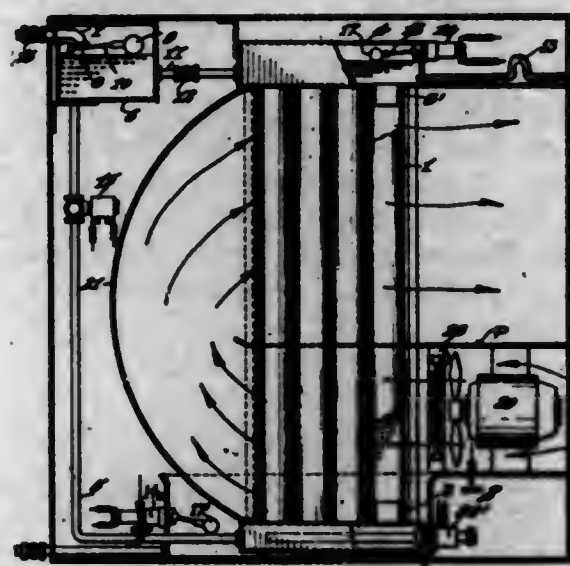


spindle to transverse axial movement relatively to said housing said stabilizer consisting of a hollow bearing member having an annular flange, and bearings supported by said housing adapted to slidably support said flanged member.

2,386,826

PROCESS AND APPARATUS FOR TREATING FLUID COMPOSITIONS

Roger N. Wallach, Braircliff Manor, and Justin Zender, Ardsley, N. Y., assignors to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Application January 10, 1942, Serial No. 426,354
5 Claims. (Cl. 210-8.5)

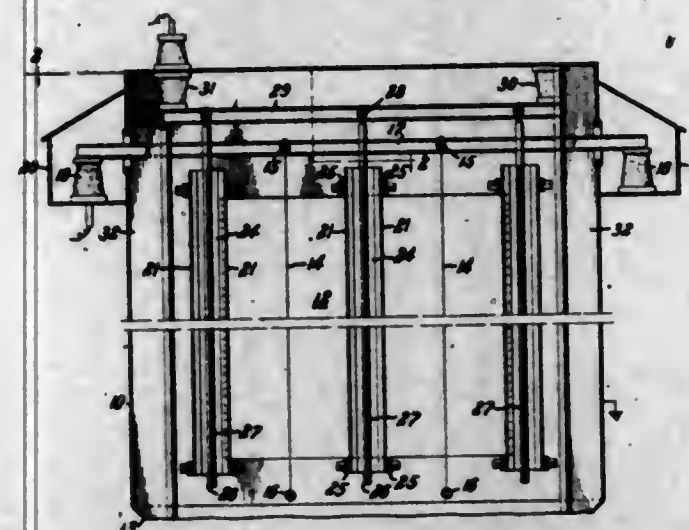


1. A process for the continuous separation of a liquid from a liquid composition containing a plurality of component substances comprising passing said liquid composition into contact with one side of a semi-permeable membrane comprising a non-fibrous organic plastic pellicle in the gel state, the other side of which membrane is exposed to a closed gaseous atmosphere unsaturated with said liquid, and continuously evaporating a liquid from the composition through said membrane into said atmosphere while continuously circulating said atmosphere over said membrane and removing the evaporated liquid from said atmosphere at one point in its circuit, and continuously drawing off the material which does not pass through said membrane.

2,386,827

ELECTRICAL PRECIPITATOR

Harry J. White, Cambridge, Mass., assignor, by direct and mesne assignments, of one-half to Research Corporation, New York, N. Y., a corporation of New York and one-half to Western Precipitation Corporation, Los Angeles, Calif., a corporation of California
Application February 12, 1944, Serial No. 522,115
6 Claims. (Cl. 183-7)



1. An electrical precipitator comprising opposed precipitating and collecting electrode structures spaced apart to provide a gas passage therebetween, the collecting electrode structure comprising extended surface members defining a vertically-extending passageway within said collecting electrode structure and outside said gas passage and providing primary material collecting surfaces opposing said precipitating electrode structure and a plurality of openings establishing communication between said gas passage and said vertically-extending passageway, a further extended surface member spaced and insulated from said first extended surface members and providing secondary material collecting surfaces within said vertically-extending passageway, and discharge electrode elements carried by said first extended surface members within said vertically-extending passageway.

2,386,828

METHOD OF TREATING ARTICLES

William H. Wilcox, Stockton, Calif., assignor to California Cedar Products Company, a corporation
Original application August 6, 1940, Serial No. 351,562. Divided and this application July 15, 1941, Serial No. 402,497
7 Claims. (Cl. 144-309)

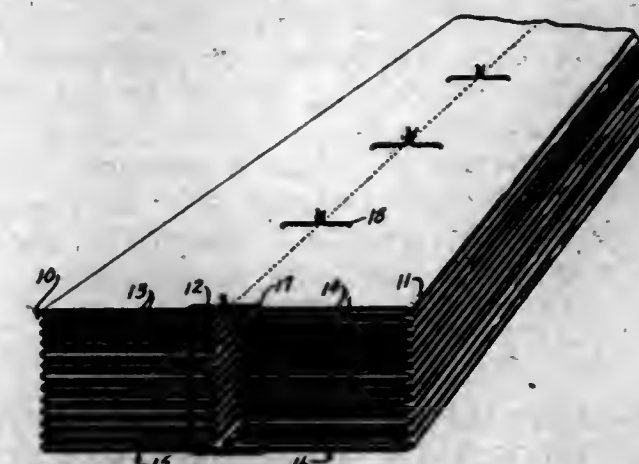


1. In the processing of individual non-flexible articles arranged in separate groups, the articles of each group being initially engaged in matching face to face relation; that method comprising the steps of advancing the groups in spaced order, separating the individual articles of each group as the latter advances, treating said individual articles while separated, and then re-engaging the articles of each group.

2,386,829

METHOD OF PREPARING PARACHUTES FOR PACKING, STORAGE, AND USE

Harry Wilson, Dayton, Ohio
Application August 10, 1943, Serial No. 498,091
12 Claims. (Cl. 244-148)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

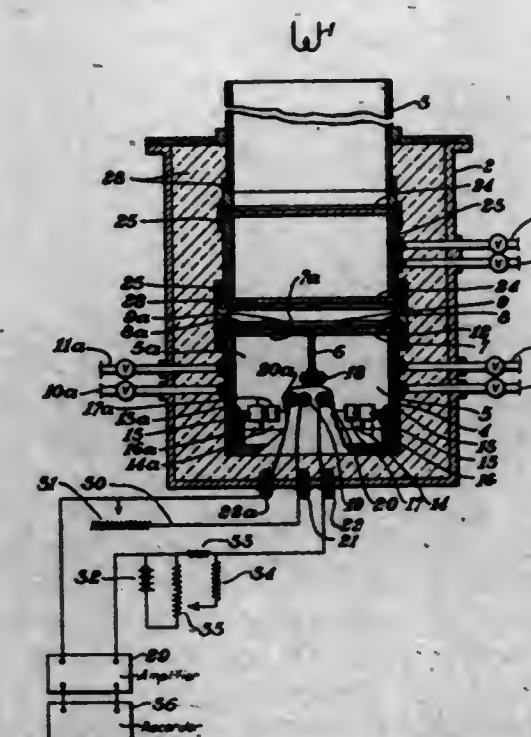


7. A method of preparing a parachute for storage, packing, use and the like which comprises the steps of folding the parachute into panel portions each panel portion having a fold line adjacent a shroud line, gathering the shroud line so positioned at the edges of the panel portions into bunches and passing breakable tensile members around said bunches and through said panel portions adjacent said fold lines.

2,386,830

METHOD AND APPARATUS FOR CONTINUOUS ANALYSIS AND CONTROL OF ORGANIC SYSTEMS

Norman Wright, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application September 2, 1942, Serial No. 457,109
14 Claims. (Cl. 202-40)



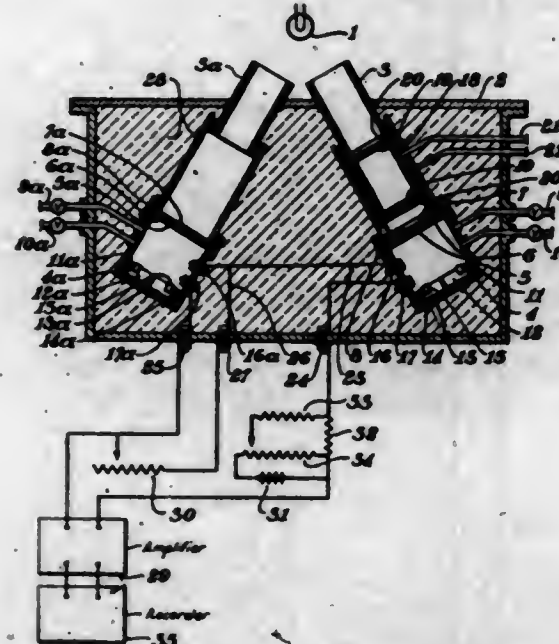
1. A method for analyzing a mixture comprising a heteroatomic compound to determine the proportion of the latter in the mixture which comprises exposing the mixture to infrared light, directing the light transmitted through the mixture onto two different and separate substances capable of absorbing infrared light at room temperature to form light absorption spectra, a strong light absorption band of one of said substances being of a wave length corre-

sponding to that of said heteratomic compound and being different from the stronger light absorption bands of the other of said substances, and each of said substances being in contact with means for varying an electrical characteristic uniformly with change in the temperature of the substance, each of the two means for varying an electric characteristic being shielded against direct exposure to the light which is directed onto the light-absorptive substance in contact therewith and the two means being connected with their electric potentials in opposition and with an electric measuring device in the circuit, whereby the difference in electric energy from said opposing means is varied in accordance with the proportion of said heteratomic compound in the mixture and the resultant change in the electric energy between the cells is indicated.

2,386,831

METHOD AND APPARATUS FOR CONTINUOUS ANALYSIS OF ORGANIC MIXTURES WHILE IN MOTION AND FOR CONTROL OF SYSTEMS COMPRISING SUCH MIXTURES

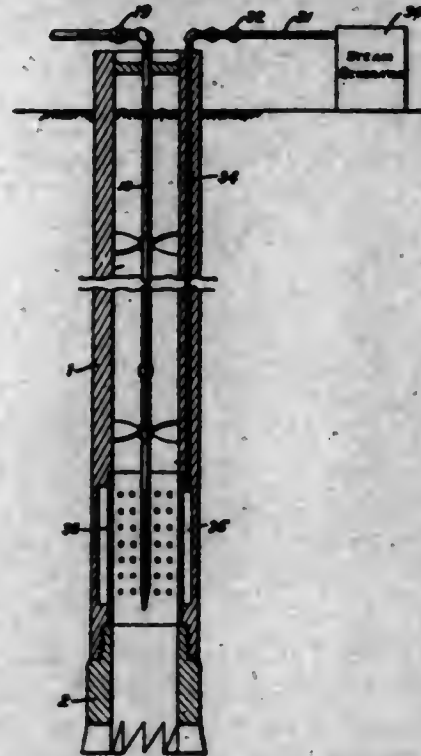
Norman Wright, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application September 2, 1942, Serial No. 457,108
12 Claims. (Cl. 202-40)



1. A method for analyzing a mixture containing at least one heteratomic compound to determine the proportion of the latter in the mixture which comprises directing a beam of infrared light from a given source into each of two detector cells, each containing, under exposure to the entering light, a substance having a light absorption band corresponding closely in wave length to that of the compound to be determined by the analysis and, in contact with said substance, means for generating an electric current or potential which varies with change in the temperature of said substance, the two current-generating means being connected through an electric measuring device in opposition to one another, and interposing a sample of the mixture to be analyzed between the source of light and one of said detector cells, whereby the difference in electric energy of the two detector cells is varied in accordance with the proportion of said heteratomic compound in the sample, and the resultant change in the electric energy between the cells is indicated.

**2,386,832
METHOD OF OBTAINING SOIL GAS SAMPLES**

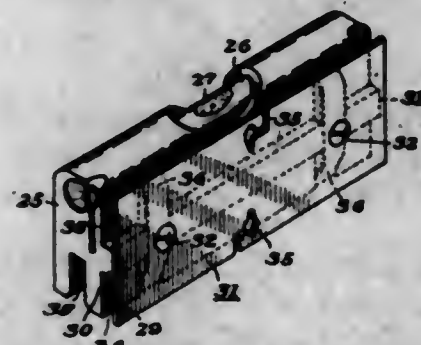
Wladimir M. Zalkowsky, Pasadena, and Herbert E. Metcalf, San Francisco, Calif., assignors, by direct and mesne assignments, to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application August 20, 1940, Serial No. 353,370
5 Claims. (Cl. 23-232)



3. The method of obtaining a soil gas sample from a core section located entirely beneath the surface of the earth, which comprises isolating such core section in situ against an interchange of gas with adjacent laterally disposed soil, stimulating the flow of contained gas from such section and collecting the same.

2,386,833
LEVEL

William G. Baldwin, Pittsburgh, Pa.
Application June 15, 1943, Serial No. 490,853
7 Claims. (Cl. 33-207)



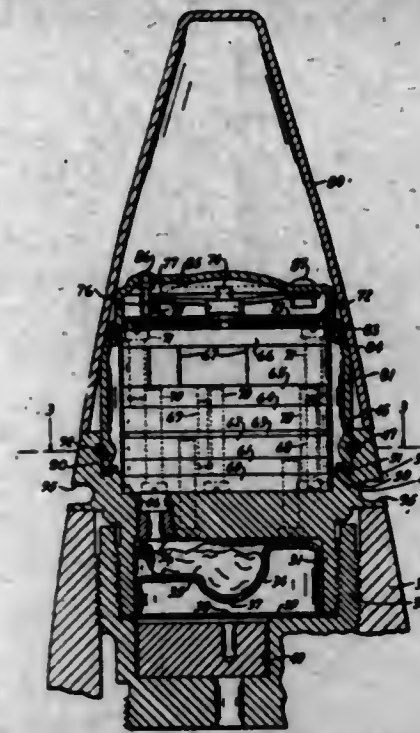
1. A level comprising a body having a spirit level thereon, a clamping plate on one face of the body providing a recess between the plate and the body into which a straight edge may be set, said plate having cord-receiving notches in its upper and lower edges, the notches being the longitudinal center of the level.

2,386,834
MECHANICAL DEVICE

Leon N. Barnum, Charles A. Donnelly, and Ralph L. Maple, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application April 3, 1943, Serial No. 481,678
6 Claims. (Cl. 287-119)

5. In a device of the class described, the combination of a body having an internal groove

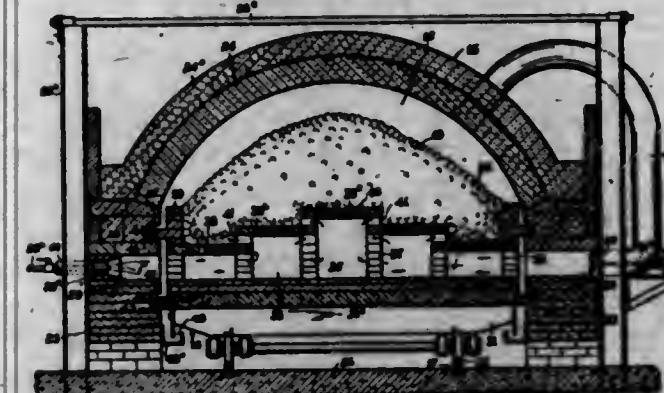
and a passage-way therefrom to the outside of the body; an ogive having a serrated section; and a pressure lock producing means comprised of a serrated member adapted to be inserted in



the passage-way in the body and then drawn completely into the groove in the body by said serrated section of said ogive coacting with the serrated member upon relative movement between the ogive and the body.

2,386,835
KILN

Henry M. Beatty, Shaker Heights, Ohio, assignor to The Kelley Lime and Transport Company, Cleveland, Ohio, a corporation of Ohio
Application July 4, 1942, Serial No. 449,769
20 Claims. (Cl. 263-28)



1. In apparatus of the character described, a kiln having a tunnel therein, a car movable along said tunnel and having a body including a floor and upright walls defining a bin adapted to carry loose bulk material in lump form to be treated, the floor of said body having openings therein for the passage of high temperature combustion gases through the bulk material, burners located to deliver such high temperature combustion gases into the kiln, and means providing seals extending longitudinally between the car and kiln adjacent the level of said floor for confining said high temperature combustion gases to cause the same to pass through said openings and bulk material.

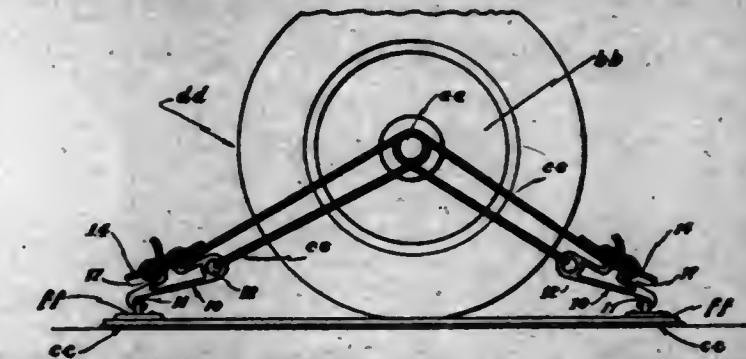
2,386,836

CARGO TIE-DOWN FITTING

Rudolph Blagden, Kenmore, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application March 19, 1943, Serial No. 479,753
2 Claims. (Cl. 248-361)

1. A cargo tie-down set of the class described comprising a rigid elongated body of substantially

planar form comprising an eye terminal, an open hook terminal and a cleat portion extending from a central throat portion of said body, said cleat having oppositely extending arms spatially terminating adjacent said eye and hook portions, the said hook opening facing toward the said central throat portion and accessible from the side of the fitting opposite the said cleat, the arrangement of said attachment portions being such that a line extending along the said side of the fitting converges with a line extending through the arms of said cleat when projected in the direction of said

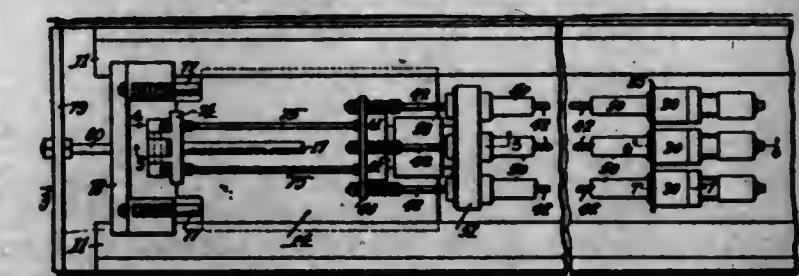


open hook terminal, each of the cross sections taken through said body normal to said cleat and along the lines connecting the said hook and eye portions being of an I-beam cross section to resist bending developed in said fitting as a result of loads applied at said attachment portions and a rope-like element having a terminal permanently attached to the said eye portion of said fitting, a further portion of said rope-like element in engagement with a cargo item and a further portion of said rope-like element in the region of its opposite terminal adapted for detachable fastening to the said cleat portion of said fitting.

2,386,837

HORIZONTAL BROACHING MACHINE

Oliver W. Bonnafé, Hudson, Mass., assignor to The Lapointe Machine Tool Company, Hudson, Mass., a corporation of Maine
Application November 16, 1942, Serial No. 465,779
11 Claims. (Cl. 90-33)



1. In a broaching machine, a plurality of re-turn puller heads, broach-engaging latches in said heads, locking devices for said latches, and means to actuate all of said devices to lock all of said latches before rearward movement of the puller heads begins and to unlock all of said latches before forward movement of the puller heads begins.

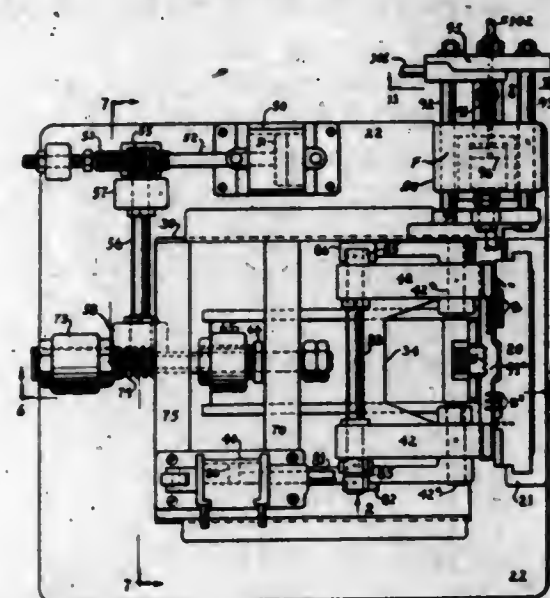
2,386,838

BROACHING MACHINE

Oliver W. Bonnafé, Hudson, Mass., assignor to The Lapointe Machine Tool Company, Hudson, Mass., a corporation of Maine
Application January 17, 1944, Serial No. 518,637
10 Claims. (Cl. 90-33)

1. In a surface broaching machine having vertically reciprocated front and rear broaches, in combination, a base, a main slide movable forward and rearward on said base, an auxiliary slide mounted on said main slide and effective to operatively position and guide the front broach,

a guide on said base for the rear broaches, means to clamp the work on said main slide between the front and rear broaches, and means to move



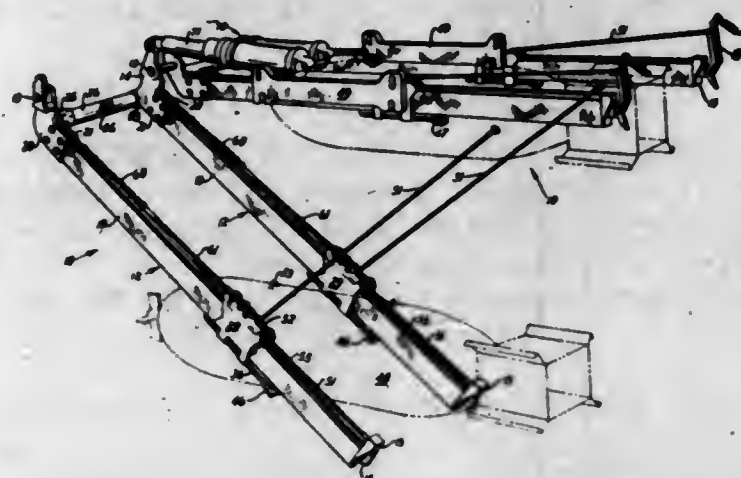
the auxiliary slide and front broach forward away from the work and to thereafter move the main slide and the work forward away from the rear broaches.

2,386,839

BOMB DISPLACING GEAR

George A. Bronson, Santa Monica, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.

Application December 1, 1942, Serial No. 467,549
20 Claims. (Cl. 89-1.5)



9. In a bomb displacing device for an aircraft, the combination of: a downwardly and forwardly swinging arm structure pivoted to the aircraft on an axis transverse of the longitudinal axis of the aircraft; a bomb support movably mounted on said arm structure; means interconnecting the support and said aircraft for moving said bomb support radially outwardly in a continuous synchronous relation with the angle of said downward swing of said arm structure as the same swings downwardly about its axis, said support being so constructed and arranged as to release the bomb when the arm structure is in a downward position.

2,386,840

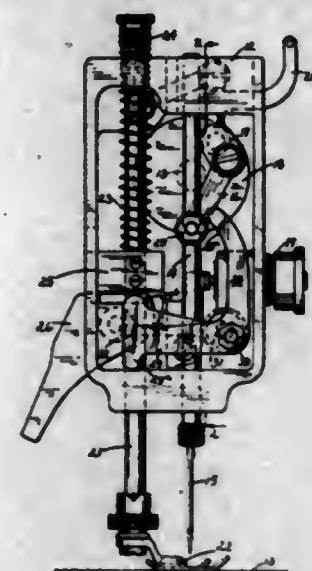
PRESSER BAR VIBRATING DEVICE FOR DARNING

Charles E. Colegrove, Lakewood, Ohio, assignor to Sears, Roebuck and Company, Chicago, Ill., a corporation of New York

Application May 18, 1944, Serial No. 536,066
7 Claims. (Cl. 112-236)

1. In a sewing machine adapted to function selectively for ordinary sewing operations or for darning operations, a reciprocating needle bar, a

presser bar normally spring pressed in a downward direction, a member mounted for rocking movement on a shiftable axis, means for shifting said axis selectively to either one of two posi-



tions, and means forming an operative association between said member and said needle bar and between said member and said presser bar only when said axis is shifted to one of said two positions.

2,386,841

WELL COMPLETION APPARATUS

Edward F. Cooke, Beaumont, Tex., assignor to Beaumont Iron Works Company, Beaumont, Tex., a corporation of Texas

Application October 7, 1941, Serial No. 414,013
2 Claims. (Cl. 166-15)



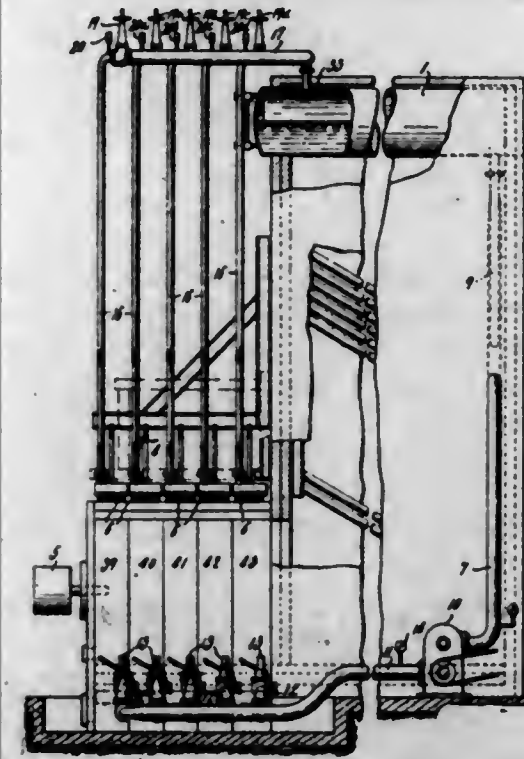
1. Well completion apparatus comprising a rotary and reciprocating valve cage withdrawing means comprising a base, a shaft carried by the base and rotatably mounted with respect thereto, means for manually rotating said shaft, a sleeve coaxial with said shaft and in telescopic relation thereto, screwing through said base and extending therebeyond, a longitudinal sliding connection between said shaft and sleeve whereby upon rotation of said shaft said sleeve simultaneously rotates and reciprocates by virtue of the screw connection between said sleeve and base, and a tubular overshoot secured coaxially to the remote end of said sleeve, said overshoot having a transverse pin in the upper part of its bore adapted to couple positively with complementary coupling means on a screw seated valve cage upon which said overshoot is adapted to telescope.

for unseating said valve cage, and having a compressible sleeve in the lower part of its bore adapted to be expanded by said valve cage into gripping relation thereto when said overshoot is forcibly telescoped over said valve cage.

2,386,842

BOILER AMPLIFIER

Michael C. Crotty, Flushing, N. Y., assignor to Crotty Manufacturing Corporation, New York, N. Y., a corporation of New York
Application October 1, 1943, Serial No. 504,561
7 Claims. (Cl. 122-406)



1. A boiler amplifier comprising a wall defining an open ended combustion chamber, the open end communicating with the combustion chamber of a boiler, a steam generating tube system within said amplifier combustion chamber consisting of a plurality of sections of substantially rounded contour embracing fires substantially centrally positioned therein, each section of said tube system being provided with an inlet header and an outlet header with inlet and outlet pipes at ends of said sections most remote from each other, and adapted and arranged to admit and discharge fluid from said section, pipe connections between the drums of said boiler and said inlet headers and pipe connections between said outlet headers and said drum, a pump between said drums and said inlet headers whereby water from said drums is forcibly circulated through said steam generating tube sections and pressure drop means between said outlet headers and said drums whereby steam and water from said tube systems are prevented from separating until the flow of steam and water has entered said drums.

2,386,843

APPARATUS FOR SURFACING PLASTIC BODIES

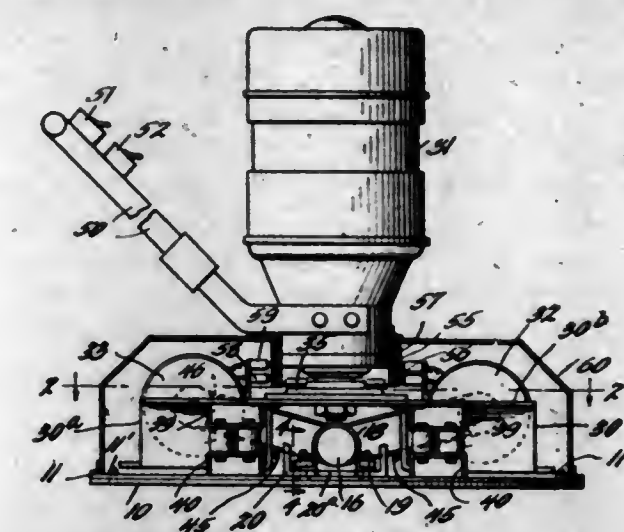
Raymond E. Davis, Berkeley, Calif., assignor to Kalman Floor Company, Inc., New York, N. Y., a corporation of Delaware

Application December 3, 1941, Serial No. 421,507
10 Claims. (Cl. 94-45)

1. In an apparatus of the type described, in combination, a substantially flat plate for engaging the surface of a body of plastic material, an eccentric rotatably supported directly on said plate, a motor carrier above said plate and resiliently supported thereon, means connecting the carrier and plate for simultaneous rotation about an axis normal to the plate while permitting

579 O. G.-27

limited relative movement in the direction of said axis, a motor mounted on said carrier for



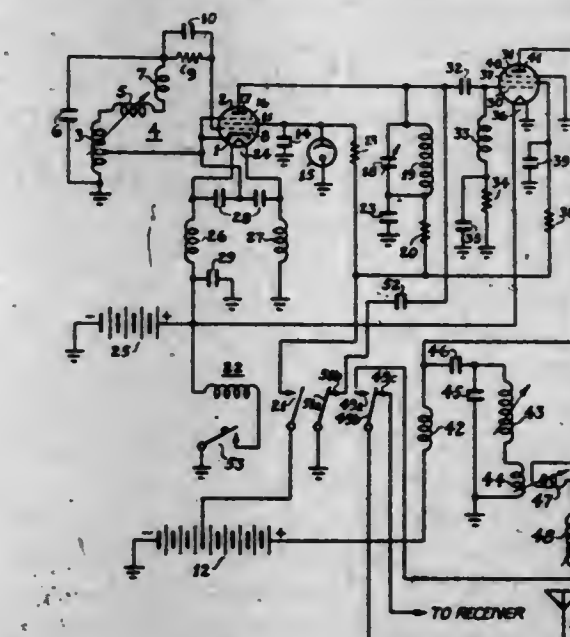
rotating said carrier and plate, and a second motor mounted on said carrier and connected to said eccentric by a flexible driving means.

2,386,844

KEYING SYSTEM

Robert J. Davis, Lutherville, Md., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application August 10, 1942, Serial No. 454,313
6 Claims. (Cl. 250-17)



1. In a radio transmitter, an electric discharge device having a cathode, a control grid and anode, a resonant circuit tuned to a predetermined frequency connected between said cathode and said control grid, means for intermittently impressing alternating current potentials on said control grid, means actuated by the current flowing to said control grid for developing control grid bias, a second resonant circuit tuned to said predetermined frequency connected to said anode, and means connecting a capacitor across said input resonant circuit during the absence of alternating current potentials from said control grid.

2,386,845

COVER FEEDING AND MARKING DEVICE

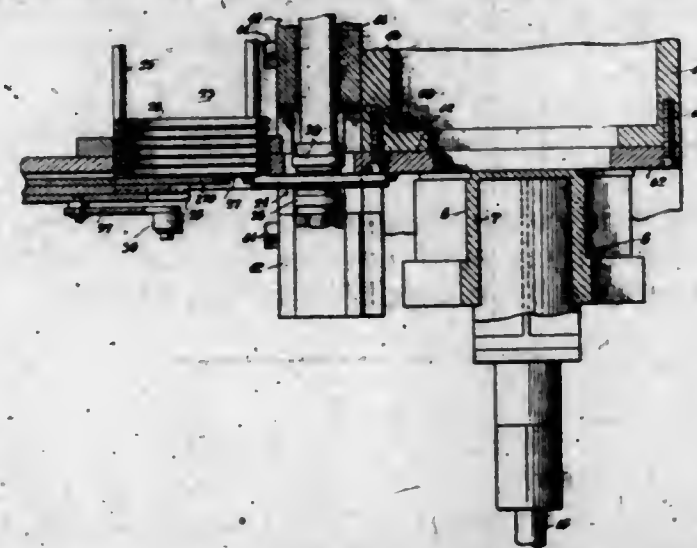
Willy Diezel, Fairfield, Conn., assignor to The Max Ams Machine Company, Bridgeport, Conn., a corporation of New York

Original application January 16, 1942, Serial No. 426,967. Divided and this application October 6, 1943, Serial No. 505,114.

1 Claim. (Cl. 101-4)

In a cover feeding and marking device, stationary cover-supporting ledges to receive covers one by one; depressible, spring-seated cover-supporting ledges to receive a cover from said stationary

ledges; a lower stationary anvil and an upper movable hammer, constituting a marking device, located intermediate said depressible ledges and adjacent opposite faces of a cover resting on said depressible ledges; a reciprocating slide; a feed dog on said slide; actuating means and connections for said slide to first advance said slide to cause said dog to move a cover over said stationary ledges onto said depressible ledges in position between the anvil and hammer, second, to partially retract said slide to free said dog from engagement with the cover on said depressible

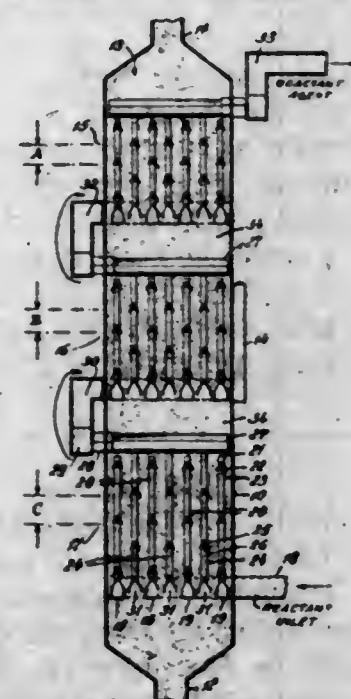


ledges while the hammer and anvil mark said cover, third, to advance said slide to cause said dog to remove said cover from its position on said depressible ledges, and, fourth, to completely retract said slide to bring said dog into position to feed another cover over said stationary ledges onto said depressible ledges upon the next advance of said slide; and an actuating device and connections to operate the hammer toward and away from the anvil to mark a cover resting on said depressible ledges while said slide is partially retracted and said dog is free from engagement with said cover.

2,386,846

METHOD AND APPARATUS FOR CATALYTIC HYDROCARBON CONVERSION

George S. Dunham, Merion, Pa., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application July 22, 1942, Serial No. 451,861
4 Claims. (Cl. 196—52)



1. Apparatus for effecting conversion of hydrocarbons in vapor form in contact with a moving bed of particle form solid catalytic material of varying activity comprising means to confine the flowing solid particle form catalyst to form a solid flowing column thereof, in said confining

means a plurality of reaction stage defining means, in each reaction stage defining means, means for introducing hydrocarbon reactant into the moving catalyst mass and means for removing a hydrocarbon therefrom after it has passed for a predetermined contact distance through said catalyst mass, the several reaction stage means being so arranged that the said contact distance progressively increases in length from the stage nearest the entry of the catalyst to the reactor to the stage nearest the exit of catalyst from reactor and means to pass hydrocarbon vapor serially through all the reaction stages beginning with that reaction stage having the longest contact dimension.

3. A method for conducting a conversion of hydrocarbons in vapor phase in contact with a moving bed of particle form solid catalytic material which varies in activity, which comprises passing all of the hydrocarbon vapors serially and in the absence of intervening heating through each of a series of contacting stages, passing all of the solid catalytic material serially through the same contacting stages in an order reverse to the order in which the hydrocarbon vapors pass, and progressively varying the space velocity employed in the contacting stages so that the greatest space velocity is employed in that contacting stage in which the solid catalytic material has the highest relative activity.

2,386,847

AZO DYESTUFFS OF THE STILBENE SERIES

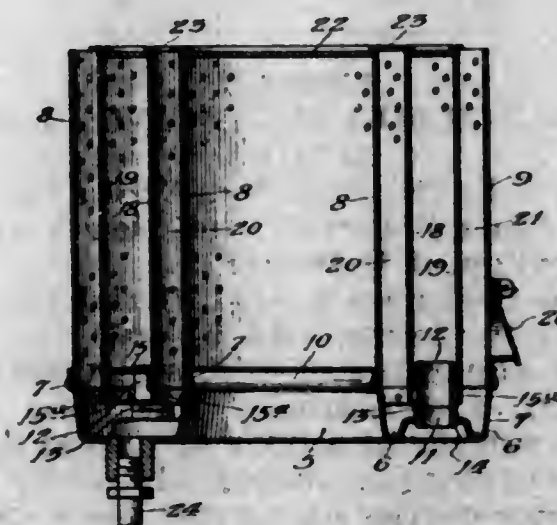
William S. Eagle, Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application April 22, 1942, Serial No. 440,088
4 Claims. (Cl. 260—143)

1. An azo dyestuff composition of the stilbene series produced by condensing from 2 to 3 moles of 2-(4'-amino-benzene-azo)-naphthalene-6,8-disulfonic acid with from 2 to 3 moles of 4,4'-dinitro-stilbene-2,2'-disulfonic acid in an aqueous alkaline solution at a temperature within the limits of about 90° to about 100° C., and further condensing the resulting condensation products in an aqueous alkaline solution containing a mild reducing agent at a temperature within the limits of about 90° to about 100° C.

2,386,848

BURNER

Oscar Fortis, Chicago, Ill., assignor to Automatic Burner Corporation, a corporation of Illinois
Application July 28, 1944, Serial No. 546,985
5 Claims. (Cl. 158—11)



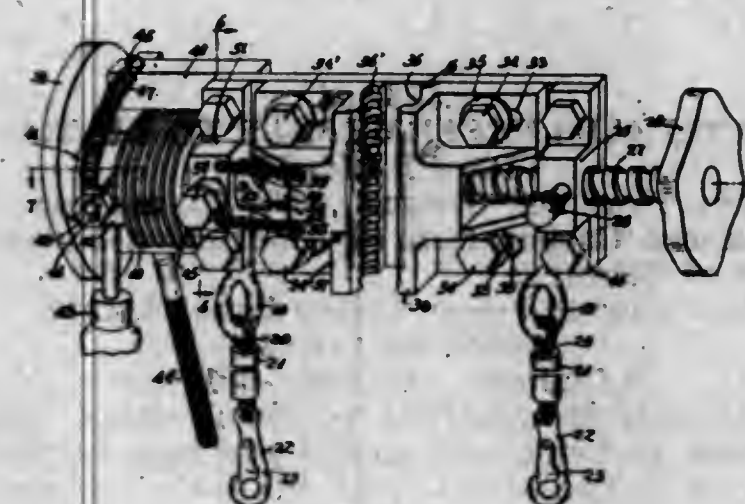
1. A range burner for liquid and gas fuels, comprising: four concentric vertically disposed per-

forate sleeves affording a pair of spaced combustion chambers; a supporting base for said sleeves providing a liquid fuel groove beneath each of said combustion chambers; a source of liquid fuel supply for said groove; a closed annular manifold mounted on said base above the liquid fuel grooves and having a plurality of small apertures communicating with the lower ends of the combustion chambers; and a source of gaseous fuel supply for said manifold.

2,386,849

AUTOMATIC GRIP FOR LIFESAVING DEVICES

Jack Frankel, Brooklyn, N. Y.
Application July 1, 1944, Serial No. 543,069
11 Claims. (Cl. 24—135)



1. In a device of the class described, a clamp, comprising a bracket, a jaw having a serrated rope-engaging groove movably mounted on said bracket, a screw threaded into a part of said bracket and rotatably secured to said jaw for adjusting the position of said jaw, another jaw having a serrated rope-engaging groove complementary to said first mentioned groove movably mounted on said bracket, a shaft rotatably journaled at one end in said other jaw and at its other end in a part of said bracket, a cam rotatably mounted on said shaft and secured to said other jaw, another cam rigidly secured on said shaft and adapted to engage said jaw cam for moving said other jaw toward said adjustable jaw, a handle secured to said shaft for rotating same manually to disengage said cams to permit said other jaw to move away from said adjustable jaw, and a spring means operatively connected to said shaft and to said bracket for automatically rotating said shaft in a reverse direction when said handle is released to move said other jaw toward said adjustable jaw.

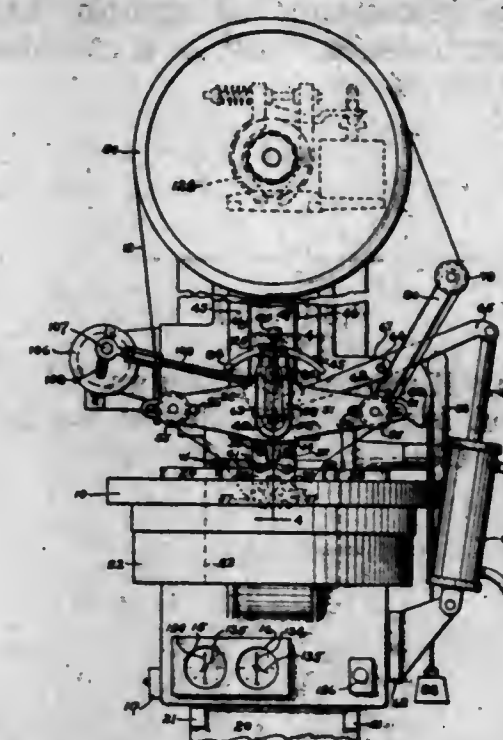
2,386,850

GRINDING MACHINE

Oliver E. Gaudreau and Henry Michelsen, Bristol, Conn., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 20, 1943, Serial No. 487,688
19 Claims. (Cl. 51—142)

3. In a device of the character indicated, a work holder for rotatably supporting a work piece having a bore, an abrasive belt provided with a looped portion receivable in said bore for grinding the work piece, belt driving means, a pivotally mounted member, belt supporting pulleys ad-

justably mounted on said member for regulating the shape of said looped portion, and means for

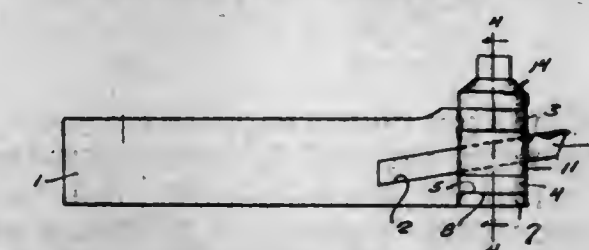


tiltably oscillating said pivotally mounted member during the grinding operation.

2,386,851

TOOLHOLDER

Victor E. Griffin, Cicero, Ill., assignor to Atlas Press Company, Kalamazoo, Mich.
Application July 12, 1944, Serial No. 544,590
2 Claims. (Cl. 29—96)



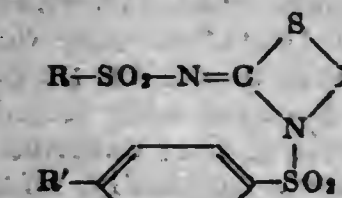
1. A tool holder comprising a shank, a pair of spaced, aligned eyes on one end of said shank, a post mounted for rotary adjustment in the eyes and having a slot extending thereinto from one end thereof for the reception of a tool, a sleeve encircling the post between the eyes and having openings therein accommodating the tool, a bar in the sleeve traversing the slot and co-operable with one of the walls thereof for clamping the tool in position, a cap nut threaded on one end portion of the post and engageable with one of the eyes for clamping said bar and said post on the tool, and coating means on the post and the other eye for securing said post in adjusted position.

2,386,852

SULFONAMIDES AND PROCESS OF MAKING SAME

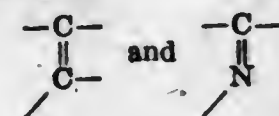
Max Hartmann, Eichen, Franz Cueni, Basel, Jean Druet, Eichen, and Harald von Meyenburg, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application July 28, 1942, Serial No. 452,646. In Switzerland March 5, 1942
13 Claims. (Cl. 260—239.6)

1. Compounds of the formula



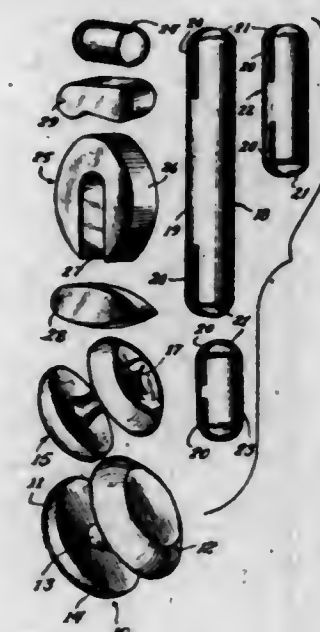
in which R-SO₂— represents a sulphonic acid

radical wherein the $\text{—SO}_2\text{—}$ is directly bonded to a non-aromatic carbon atom, R' a member of the group consisting of amino, acylamino, nitro, azo and halogen, and X a member of the group consisting of



2,386,853
TOY

Max Herrmann, Chicago, Ill.
Application May 1, 1944, Serial No. 533,553
2 Claims. (Cl. 46—23)



1. An animal toy comprising three joint members representing the head, front quarters and rear quarters of an animal, said joint members each being adapted to receive a plurality of radially disposed connecting members, and each being provided with a continuous peripheral groove whereby said connecting members can be disposed at any desired radial angle, connecting members fitting within said grooves and being of circular cross section, whereby the plane of any one of said joint members and its associated connecting members may be twisted with respect to the plane of an adjacent joint member, one of said connecting members representing the body of an animal and the other of said connecting members representing the neck, additional connecting members representing the front and rear legs of an animal and received within the joint members which represent the front and rear quarters respectively of the animal, and a supporting member in the form of a disk having a slot extending inwardly from its periphery to receive one of said last mentioned connecting members whereby the longitudinal axis of the connecting member received thereby may be angularly adjusted with respect to the plane of said support to lie in the plane of its associated joint member.

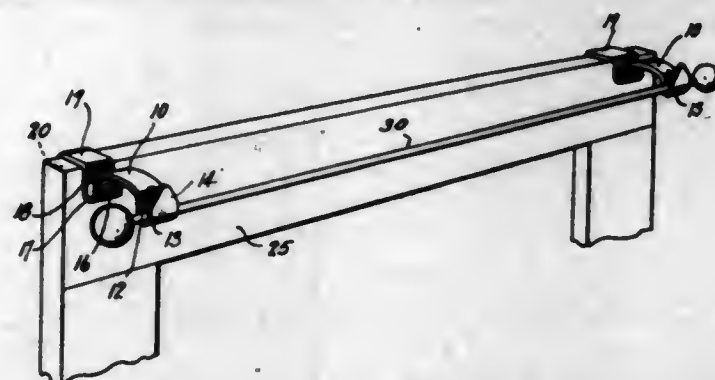
2,386,854

CURTAIN BRACKET

William Hilton, Seattle, Wash.
Application February 7, 1944, Serial No. 521,348
2 Claims. (Cl. 248—254)

1. A bracket of the character described comprising a single strip of spring metal forming an upwardly arched bracket arm terminating at its outer end in a portion that extends downwardly, then outwardly, then upwardly, thus defining an upwardly opening seat for a curtain rod, and terminating at its inner end in a part that ex-

tends downwardly, then inwardly, then upwardly for a substantial distance forming a curtain rod seat, then turned horizontally inward and then turned downwardly in a pointed end portion to



define a downwardly opening seat for application to the top edge of a head casing; said arched bracket arm and the downturned end portions at the end of the arm providing clearance for a curtain roller within their limits.

2,386,855

MATERIALS IMPERMEABLE TO ULTRA-VIOLET LIGHT

William Horback, Newark, N. J., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application June 23, 1942, Serial No. 448,184

3 Claims. (Cl. 252—301.2)

1. Articles transparent to visible light characterized by being substantially opaque to ultra-violet light radiations and exhibiting a bluish fluorescence under ultra-violet light, said articles consisting essentially of a plastic cellulose derivative material having incorporated therewith from 0.10 to 5% on the weight of the cellulose derivative material of a compound selected from the group consisting of fluoranthene and the alkyl and aryl substitution derivatives thereof.

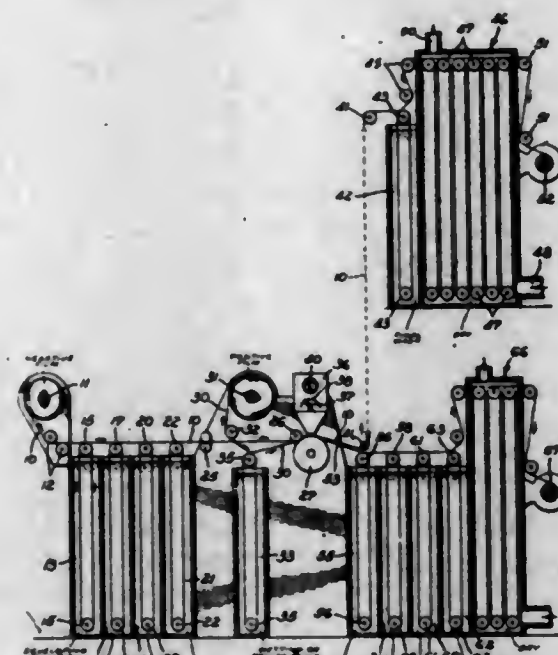
2,386,856

METHOD OF AND APPARATUS FOR PROCESSING PHOTOGRAPHIC FILM

Herbert W. Houston, Sherman Oaks, Calif., assignor to The Houston Corporation, Los Angeles, Calif., a corporation of California

Application June 26, 1942, Serial No. 448,671

2 Claims. (Cl. 95—75)



1. In an apparatus for producing prints from an exposed motion picture film, the combination of: a first motion-picture-film-processing means including developing means, fixing means, two

washing means, and a drying means; means for advancing a strip of exposed motion picture film progressively through said developing, fixing, washing, and drying means; a printing means disposed to receive said advancing film at a position between said two washing means and while said film is wet; a pre-soaking tank containing a liquid; means for advancing a recipient motion picture film through said pre-soaking tank to wet same preparatory to contact with and printing through the other film; means for delivering said recipient motion picture film while wet to said printing means and for maintaining said films in contact with each other during passage through said printing means whereby latent images are formed on said recipient film by said printing means; a second motion-picture-film-processing means including developing means, fixing means, washing means, and drying means; and means for separating said films and for delivering said recipient film to said second processing means and for delivering said first-named film to said second washing means and said drying means of said first motion-picture-film-processing means whereby the washing of said first-named film and the drying thereof are completed during the passage of said recipient film through said second processing means.

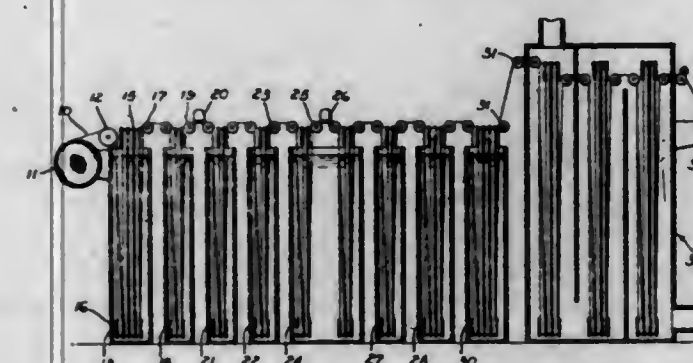
2,386,857

POSITIVE REVERSAL PROCESS

Herbert W. Houston, Sherman Oaks, Calif., assignor to The Houston Corporation, Los Angeles, Calif., a corporation of California

Application April 21, 1943, Serial No. 483,916

8 Claims. (Cl. 95—5)



1. A reversal process for exposed film, including the steps of: developing the exposed film to a gamma of approximately one-half that produced by normal development thereof, thereby converting a major portion of the initially light-activated halide grains of the film to form a negative image and leaving unconverted a substantial remaining portion of the initially light-activated halide grains; exposing the film to light with said negative image as a mask to activate additional halide grains in the film; bleaching out the converted grains comprising said developed negative image; again exposing the film to light to activate additional halide grains; developing the film to convert the light-activated grains therein to form a positive image; and fixing the film.

2,386,858

POSITIVE REVERSAL PROCESS

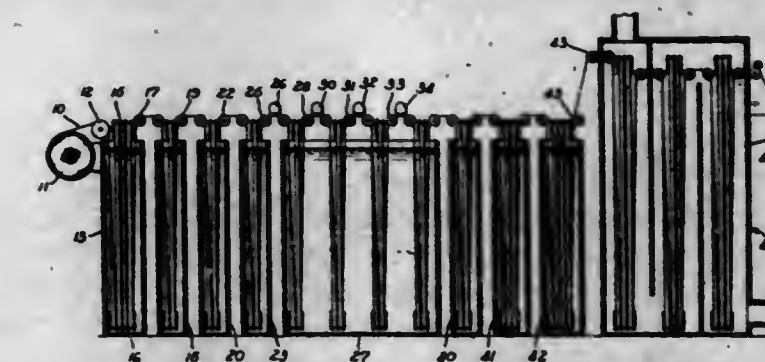
Herbert W. Houston, Sherman Oaks, Calif., assignor to The Houston Corporation, Los Angeles, Calif., a corporation of California

Application April 21, 1943, Serial No. 483,917

9 Claims. (Cl. 95—5)

1. A reversal process for exposed film, including the steps of: developing the exposed film to substantially less than completion, thereby con-

verting a major portion of initially light-activated grains of the film to form a negative image and leaving unconverted a substantial remaining portion of initially light-activated halide grains comprising a residual latent negative image; bleaching out the converted grains comprising the said developed negative image and deactivating the said unconverted halide

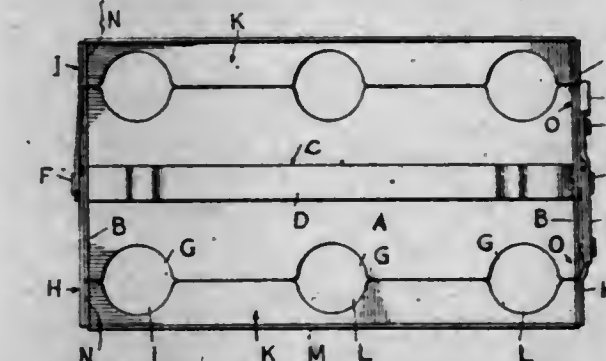


grains so that said latent negative image will not be converted to any material extent to a visual negative image upon subsequent development of the film; exposing the film to light to activate halide grains including at least some of said deactivated halide grains; developing the film to convert the light-activated grains therein to form a positive image of normal density; and fixing the film.

2,386,859

BOTTLE CARRIER

George H. Hutaff, Jr., Wilmington, N. C.
Application January 12, 1944, Serial No. 518,007
5 Claims. (Cl. 224—45)



1. A bottle carrier comprising a base plate formed at its opposite outer edges with openings for the accommodation of beaded bottles or the like, upward extensions on the base plate, a handle connected to the extensions and bridging the space therebetween, and oppositely swinging members at the ends of the base plate pivotally connected to the extensions at an elevated point substantially above the base plate and bearing cooperating members to close towards each other and inwardly towards the edges of the base plate to complete suspending holds for said bottles, the pivoting of the oppositely swinging members being at a common point at each end of the device and the pivots at the opposite ends of the device being in line, in combination with a latch to retain the oppositely swinging members in holding position.

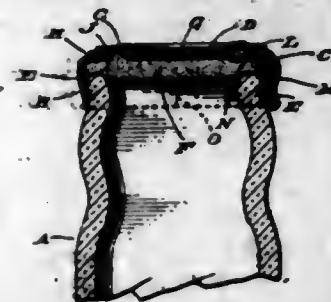
2,386,860

BOTTLE CAP AND RELEASE THEREFOR

George H. Hutaff, Jr., Wilmington, N. C.
Application March 18, 1944, Serial No. 527,081
8 Claims. (Cl. 215—46)

1. A bottle cap and release therefor comprising a sheet metal cap having a top and crimped securing flange, combined with a release device comprising a pull member, an elongated flexible shank extending therefrom adapted to extend

downwardly around and up into the cap adjacent to the flange thereof and an anchoring portion at the end of said flexible member elongated transversely relative to the latter beneath the



top and of relatively narrow width radially of the cap, and a cork seal, for fastening the anchoring portion between the same and top by impingement on the anchoring member over the inner and end edges thereof.

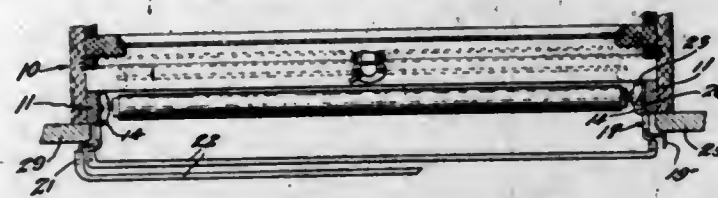
2,386,861

SHADE AND CURTAIN BRACKET

Hion Ilieff, Detroit, Mich.

Application June 21, 1944, Serial No. 541,375

2 Claims. (Cl. 248-252)



1. A shade and curtain mounting bracket, comprising a flat plate member adapted to be mounted against the inner side face of a window frame, a laterally extending flange along the edge of the plate member which is lowermost when the plate member is in mounted position, an apertured ear integral with and extending downwardly from the flange in offset parallel relation with a flat side of the plate member, a forwardly positioned and upwardly extending arm connected with that edge of the plate member which is directed forwardly when the plate member is in mounted position, a pair of lateral extensions each integral with the upper end of said arm and upon the side of the plate member remote from said ear, one of said lateral extensions being longer than the other, and a pair of spaced parallel forwardly extending portions each connected with one of said lateral extensions to be positioned in front of the frame when the plate is mounted and each designed to have an end of a curtain rod connected therewith.

2,386,862

FLEXIBLE CONNECTION

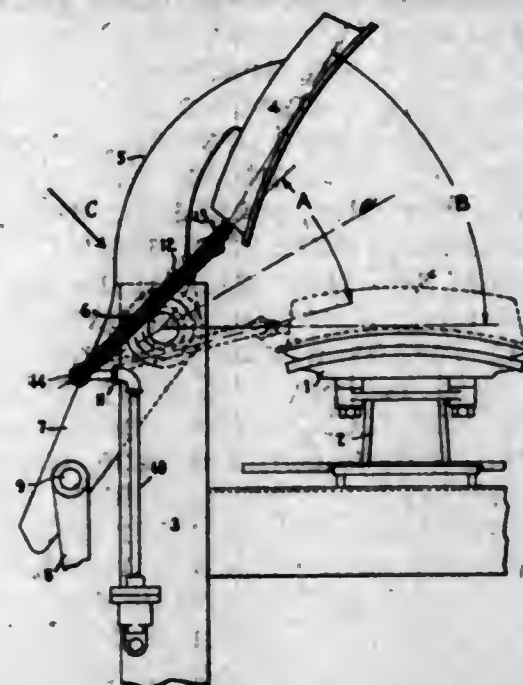
David Ingalls, Westfield, N. J., assignor to Titeflex, Inc., Newark, N. J., a corporation of New Jersey

Application August 3, 1940, Serial No. 350,175

4 Claims. (Cl. 38-36)

2. The combination with stationary and pivoted members, of a conduit connection therebetween comprising a looped flexible conduit having one end fixed to said stationary member and the other end fixed to said pivoted member, the end of said looped flexible conduit which is fixed to said pivoted member being movable about the axis of its stationary end to permit the movement of the pivoted member upon its pivot, the axes of the ends of said conduit being substantially parallel to each other and perpendicular to the plane of movement of the movable end of said conduit about the axis of the stationary end of said conduit and the axes of the ends of said

conduit being substantially parallel to the pivotal axis of said pivoted member, the angle of movement of the movable end of said flexible conduit about the axis of its stationary end being sub-



stantially one-half the angular movement of the movable end of said flexible conduit about the pivotal axis of said pivoted member, said pivotal axis lying between the axes of the ends of said conduit.

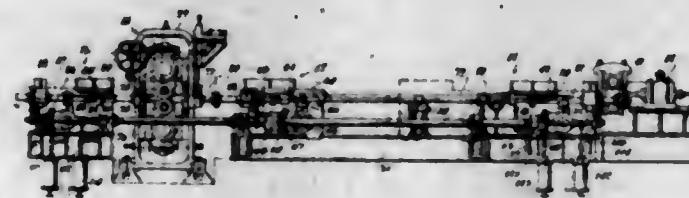
2,386,863

REDUCING MILL

Heber C. Inslee, East Orange, N. J., assignor, by mesne assignments, to Rockrite Processes, Inc., Stamford, Conn., a corporation of Delaware

Application November 19, 1943, Serial No. 510,879

13 Claims. (Cl. 80-14)



1. In a pilger mill of the type having gapped die rolls mounted to rotate continuously in one direction about fixed axes to work on successive portions of a reciprocating workpiece on successive reciprocations, the improvement which consists in providing driving mechanism for reciprocating the workpiece comprising a rack member, two segmental gears for driving the rack member in opposite directions at uniform speed during a major portion of its reciprocating movement in each direction, a transversely slotted crosshead connected to move with the rack member, a crank for cooperating with the crosshead to reverse the movement of the rack member and crosshead when the rack member is free from the segmental gears at each end of movement.

2,386,864

STEADIER FOR ELONGATED WORKPIECES AND MANDREL BARS

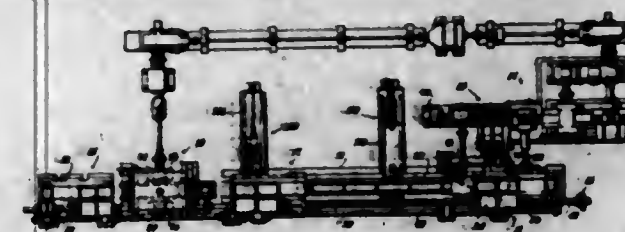
Heber C. Inslee, East Orange, N. J., assignor, by mesne assignments, to Rockrite Processes, Inc., Stamford, Conn., a corporation of Delaware

Application January 28, 1944, Serial No. 520,022

11 Claims. (Cl. 80-14)

1. A steadier unit, comprising a carrier, a steadier carried by said carrier and adapted to be closed and opened, motor means for moving the carrier inward to move the steadier into operative position and for moving the carrier outward to withdraw the steadier, motor means

on the carrier for closing and opening the steadier, controlling means for causing the carrier motor means to move the carrier inward, automatically operated controlling means for causing the steadier motor means to close the stead-



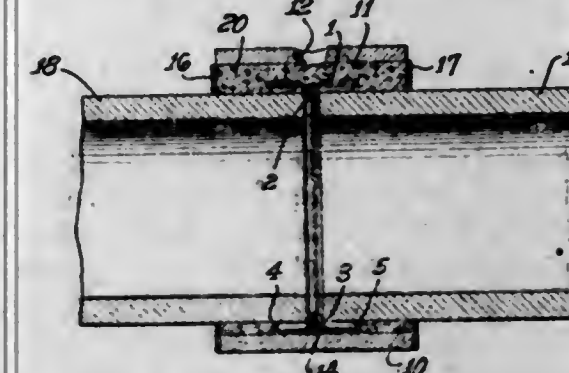
2,386,865

PIPE JOINT AND DEVICE THEREFOR

Howard W. Jewell, Los Angeles, Calif.

Application December 20, 1943, Serial No. 514,875

10 Claims. (Cl. 285-114)



1. A pipe joint collar comprising: an outer, substantially cylindrical, hollow sleeve provided with a channel formed in the inner surface of the sleeve, said channel being substantially parallel to the axis of the sleeve; a pour port extending through the wall of the sleeve and communicating with the channel; and a separately formed seating and centering ring including a hollow, cylindrical body portion, and an inwardly extending, circumferentially disposed recessed stop means carried by the body portion, said seating and centering ring being adapted to be received by the sleeve and cemented therein.

2,386,866

ELECTRIC SIGNALING SYSTEM FOR VEHICLE TRAFFIC

Bernard Jobin, Arlesheim, near Basel, Switzerland, assignor to Société Suisse d'Electricité et de Traction, Basel, Switzerland, a Swiss corporation

Application November 26, 1941, Serial No. 420,586

In Switzerland December 11, 1940

10 Claims. (Cl. 246-122)

1. An electric signaling system for electrically operated vehicles comprising a source of driving current, a contact line extending along the path of said vehicles for feeding driving current from said source to each of a sequence of vehicles travelling along said line, and means for indicating the approach of its next oncoming vehicle at one at least of a plurality of stations spaced along and electrically connected with said line, said means comprising a source of alternating signaling current having an electrical feeder connection with said contact line at a fixed point along said line whereby said signaling current is superimposed upon said driving current and is also fed

to each of said vehicles, a driving circuit and a signaling circuit on each vehicle, each including means to permit current from its respective source only to flow therethrough, means on each vehicle for short-circuiting said signaling current and thereby establishing a signaling circuit between each vehicle and said feeder connection, the voltage of said last-named signaling circuit decreasing at said station between said next on-



coming vehicle and said feeder connection as the vehicle approaches said feeder connection, switch means for periodically interrupting the short-circuits, and voltage responsive means at said station and connected to said line through means preventing flow of driving current but permitting flow of signaling current, whereby said voltage responsive means indicates the distance from its station of the vehicle nearest thereto on the side of the line away from said feeder connection.

2,386,867

BITUMEN TREATING AGENT

James M. Johnson, New York, N. Y., assignor to Nostrup Inc., a corporation of Delaware

No Drawing. Application December 8, 1942,

Serial No. 468,288

11 Claims. (Cl. 106-269)

1. A bitumen treating agent comprising (1) an acylated polyamine in which at least one amino nitrogen has been converted into an amide group by reaction with a high molecular weight carboxylic acid and in which at least one amino nitrogen has been reacted with a high molecular weight carboxylic acid to form an amine soap and (2) an acylated polyamine in which at least two amino nitrogens have been reacted with high molecular weight carboxylic acid to form amine soap.

7. A composition of matter comprising a blend of a flowable bituminous material and the bitumen treating agent described in claim 1.

2,386,868

LOCK

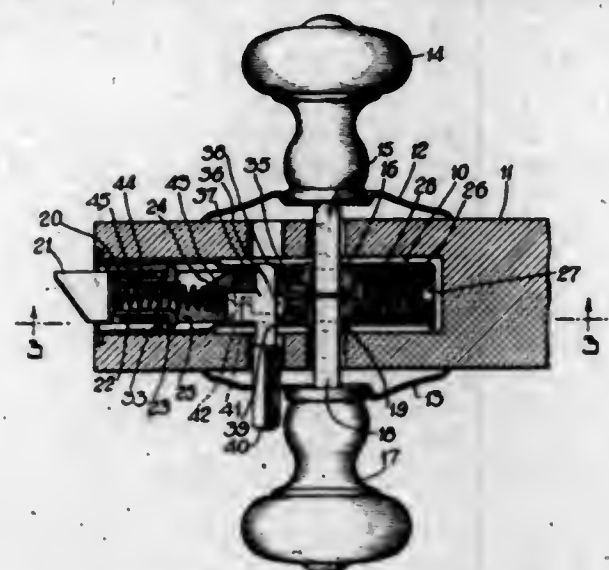
Alexander S. Karczewski, North Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut

Application May 9, 1944, Serial No. 534,719

17 Claims. (Cl. 292-169)

1. In a lock of the class described, a casing, a push piece mounted for sliding linear movement on said casing, a helical spring pressing axially

thereof at one end against said push piece transversely to the direction of sliding movement of said push piece, and against a part of the lock



at its other end, and means whereby said push piece moves said end of the spring with it as it moves on said casing.

2,386,869

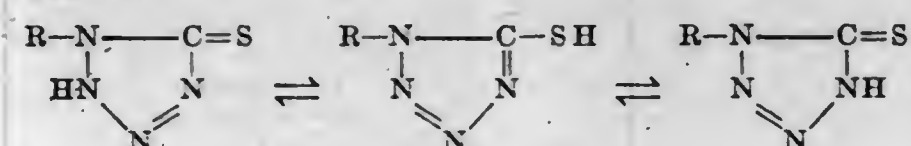
MANUFACTURE OF 1,2,3,4-TETRAZOLE COMPOUNDS

John David Kendall, Ilford, England, assignor to Ilford Limited, Ilford, England, a British company

No Drawing. Application December 11, 1944, Serial No. 567,789. In Great Britain August 27, 1943

10 Claims. (Cl. 260—308)

1. Process for the production of alkali-metal salts of compounds of the general tautomeric formulae:

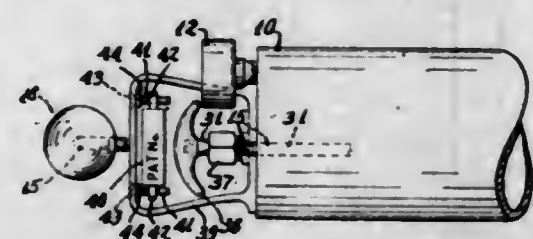


which comprises reacting a compound of the formula R.NH.CSSR_1 where R and R_1 are each a hydrocarbon nucleus, with an alkali metal azide.

2,386,870

DRAIN PIPE CLEANING GUN

Jarvis Kenneth Lawton, Allentown, Pa.
Application September 10, 1943, Serial No. 501,840
2 Claims. (Cl. 4—255)



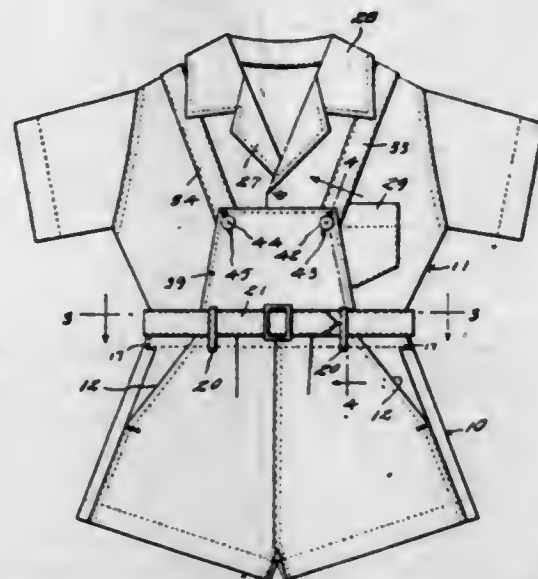
1. In a drain pipe cleaning gun having a closed cylinder provided with an internal air pump and an external pressure gauge for building up a preselected air pressure within said cylinder and a release valve for controlling the discharge of the air under pressure from said cylinder, a valve rod extending from said discharge valve and having an end projected from said closed cylinder, a handle on the outer end of said valve rod by which the valve rod may be manually pulled outwards to open said discharge valve, and an adjustable abutment adapted to be engaged by said handle to limit outward movement of said valve rod, comprising a bracket mounted on said cylinder and extended about said handle, an abutment member disposed to be engaged by said

handle when said valve rod is pulled outwards and means adjustably supporting said abutment member on said bracket to be adjustable relative to said handle to limit outward movement of said handle in its various adjusted positions.

2,386,871

CHILD'S GARMENT

Max I. Lehman, New York, N. Y.
Application April 11, 1944, Serial No. 530,490
6 Claims. (Cl. 2—80)



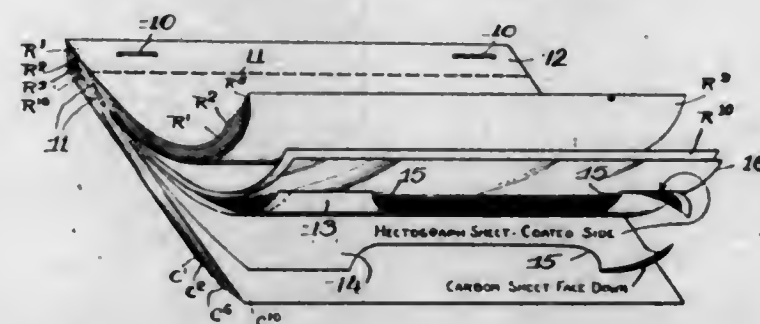
1. A garment comprising a pair of trunks, an elongated horizontally disposed strap on the inner side of said trunks at the front thereof, means securing the lower edge and opposite ends of said strap to the upper portion of said trunks, said strap forming an upwardly opening channel at the upper edge of the trunks and said strap having a pair of fastening elements, a waist adapted to fit interiorly of said trunks, securing means carried by the front lower portion of said waist engageable with said fastening elements, a pair of vertically disposed tabs secured to the inner side of said trunks at the rear thereof and having at least one fastening element, and securing means carried by the rear of said waist engageable with the fastening means of said pair of tabs.

2,386,872

DUPLICATING PAD OR SALES BOOK

Edward Z. Lewis, Evanston, Ill., assignor to General Manifold & Printing Co., a corporation of Pennsylvania

Application July 2, 1941, Serial No. 400,837
5 Claims. (Cl. 101—149.4)



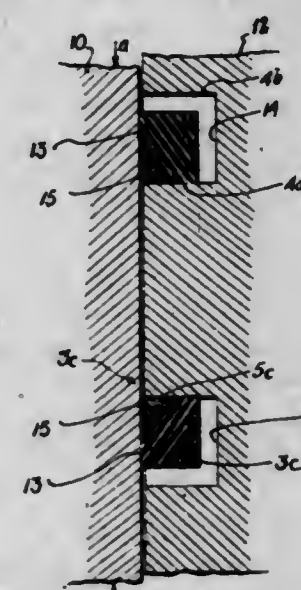
1. A sales pad comprising a multiplicity of record sheets having tabs bound together with the upper edges in registration with one another, said tabs being progressively longer from the top to the bottom of the series and said record sheets being of the same length from top to bottom with the lower edges thereof protruding in each case beyond the edge of the sheet immediately above, in progressive order, a multiplicity of copy sheets, beneath said record sheets and also bound together in top registration, a sheet of hectograph transfer material and a sheet of carbon paper

positioned back to back between the group of record sheets and the group of copy sheets with the hectograph coating facing upwardly and the carbon coating facing downwardly, whereby data written on the face of the lowermost record sheet after lifting the sheets above it, will appear also on the back of said record sheet in reverse, and will appear on the face of the uppermost copy sheet, the lower edges of said copy sheets also protruding progressively, but from the bottom to the top of said group, whereby the adjacent record sheet and copy sheet may be grasped and pulled from the middle of the combined groups leaving said transfer material sheets in place for further use.

2,386,873

DUPLEX ELASTIC SEAL

Jean Mercier, New York, N. Y.
Application August 16, 1943, Serial No. 498,862
6 Claims. (Cl. 286—26)



1. A packing device for sealing two parts which slidably engage each other, comprising an annular sealing member made of an elastic deformable material bonded to one of said parts, said sealing member being adapted to slidably engage the surface of said other part and said sealing member including a base portion made of a harder material adjacent the face of said part on which said sealing member is affixed when under load and adjacent the working surface to be sealed, said sealing member being supported when under load on one side of its faces by a surface of the part carrying the same and on another face by a surface of the part to be sealed, all other faces thereof being freely exposed to the fluid pressure acting on said parts, said sealing member being so shaped and mounted on the part carrying it that said fluid pressure will produce a component force to seal said member against the working surfaces to be sealed.

2,386,874

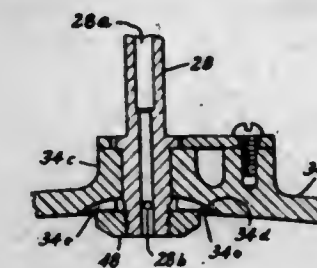
VENTING MEANS

Irving O. Miner, East Providence, R. I., assignor to Builders Iron Foundry, Providence, R. I., a corporation of Rhode Island
Original application July 10, 1940, Serial No. 344,640, now Patent No. 2,357,341, dated September 5, 1944. Divided and this application July 7, 1944, Serial No. 543,792

2 Claims. (Cl. 137—156)

1. Means for venting the space below a piston movable in a vertically disposed cylinder, comprising the said piston, a surface on the bottom of the piston inclined toward its axis, a recess in the said surface at said axis, separated bearing

lugs depending from said recessed surface, a tubular piston rod projecting through the piston and secured thereto by a nut threaded on the rod and seating on said lugs, the said rod extending

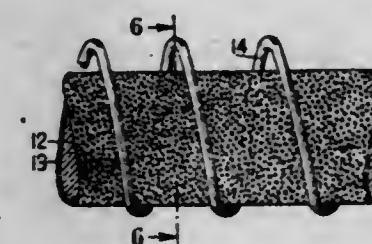


upward through the cylinder having a passage leading from said recess to outside the cylinder, and means in the piston rod outside the cylinder for effecting the opening or closing of said passage.

2,386,875

METHOD OF COATING WITH QUARTZ VAPOR

Willard L. Morgan, Columbus, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application November 23, 1943, Serial No. 511,487
7 Claims. (Cl. 117—106)



1. The method of coating surfaces with quartz by evaporation technique within a vacuum, comprising coating substantially the entire surface of the quartz with a metallic silicate, positioning the quartz and attached metallic silicate within an electrically heated filament in a high vacuum to heat the quartz to a high temperature and to evaporate said quartz, and depositing the quartz on a support surface.

2,386,876

METHOD OF COATING SURFACES WITH QUARTZ

James C. Ogle, Jr., and Arthur R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application November 30, 1943, Serial No. 512,388
8 Claims. (Cl. 117—106)



2. The method of coating a reflective mirror surface with quartz by evaporation technique within a vacuum, comprising contacting substantially the entire surface of the quartz with a metal, positioning the quartz and attached metal within an electrically heated filament in a high vacuum to heat the quartz to a high temperature and to evaporate said quartz, and depositing the quartz on a reflective mirror surface, said metal having a melting point lower than the temperature to which the quartz is heated to effect its evaporation.

2,386,877

BOX OPENER AND DISPENSER

William E. Neilson, Jr., and Cecil C. Tinkey,
Yosemite National Park, Calif.
Application July 27, 1943, Serial No. 496,342
4 Claims. (Cl. 229-7)

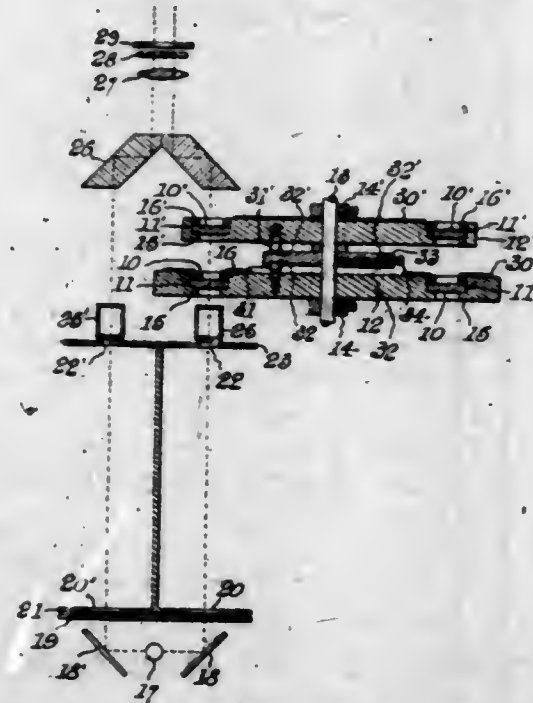


1. A carton opener and dispenser, comprising a plate having an aperture, a cover closing said aperture, a channeled cutting member having horizontal and vertical cutting edges secured to the lower face of the plate, and means carried by the cover for receiving and retaining the cut out portion of the box.

2,386,878

APPARATUS FOR DETERMINING BLOOD VOLUME

John Lester Nickerson, New York, N. Y., assignor to United States of America, as represented by the Secretary of War
Application January 19, 1944, Serial No. 518,911
7 Claims. (Cl. 88-14)

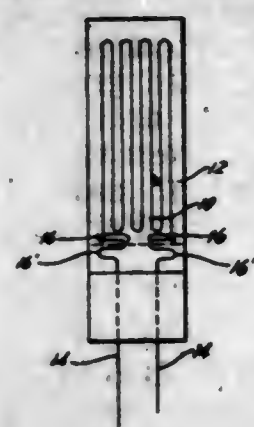


1. An apparatus for determining blood volume of a patient by the comparison of dyed and undyed blood specimens comprising a light source, means for directing the rays from said source in parallel vertical beams, transparent cells provided with transparent stoppers, said cells being adapted to contain dyed and undyed plasma specimens and to interpose equal thicknesses of plasma in the path of said beams, supporting means adapted to retain said cells in an upright position in the path of said beams for converging said beams to adjacent parallel paths, an eyepiece including a collimating lens and a two-field matching filter located in the path of said adjacent beams, a plurality of light absorbing elements of graduated densities circularly arranged in rotatable discs adapted for selectively interposing a combination of said elements in the path of said beam passing through the undyed plasma specimen whereby the density of said specimen plus the added densities of said light absorbing elements may be compared with the density of the dyed plasma specimen by comparing the illumination of the fields of said two-field filter to determine the dye-concentration of said dyed specimen.

2,386,879

STRAIN GAUGE AND METHOD OF PRODUCING IT

Ralph H. Ostergren, Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application September 17, 1943, Serial No. 502,852
18 Claims. (Cl. 201-63)

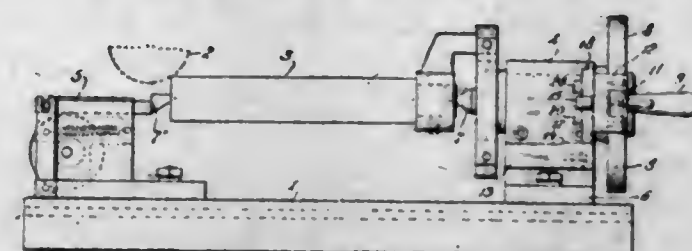


1. A strain gauge having a length of fine resistance wire cemented to a backing adapted to be directly secured throughout its area to a member to be tested comprising: lead wires, of heavier gauge than the resistance wire, a bend at the end of the leads at the point of connection to the resistance wire extending across and above the resistance wire, the end of the resistance wire lying against the periphery of the lead wire and being secured to said lead by a thin film of solder, the soldered joint being cemented to the backing, the bend in the lead left uncemented, and the portion of the lead wires overlying the backing being cemented to the backing.

2,386,880

INDEXING FIXTURE FOR MACHINE TOOLS

Joseph J. Osplack, Detroit, Mich., assignor to Vinco Corporation, Detroit, Mich., a corporation of Michigan
Application February 5, 1943, Serial No. 474,809
5 Claims. (Cl. 90-56)



1. In an indexing head the combination of a fixed support an indexing member mounted on said support and rotatable with the work to be indexed, a second member independently rotatable about the axis of rotation of the work, means for connecting said second member to the indexing member for movement therewith, independent means for locking said second member in stationary position and means for adjusting said second member to different angular positions about the axis of rotation of the work.

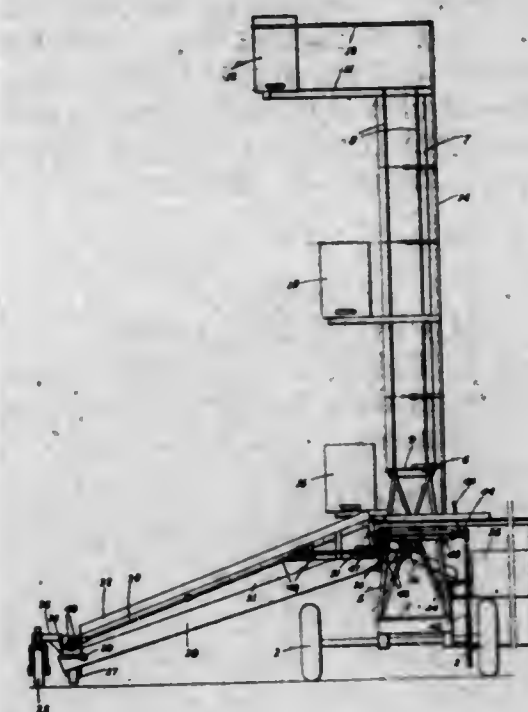
2,386,881

NUT HARVESTER

Maxwell E. Phillips, Stockton, Calif.
Application March 6, 1943, Serial No. 478,257
11 Claims. (Cl. 56-1)

1. A nut harvester comprising in combination, a wheel supported tower movable along the ground and having a worker-supporting platform on top, a nut catching apron unit extending lengthwise of the harvester from ahead of to rearwardly of the tower and projecting later-

ally from one side thereof, the unit being disposed with a downward slope transversely of the harvester from adjacent the tower, means mounting the apron unit at its upper end in connection with the tower, a ground engaging support for the lower end of the apron unit and a steerable

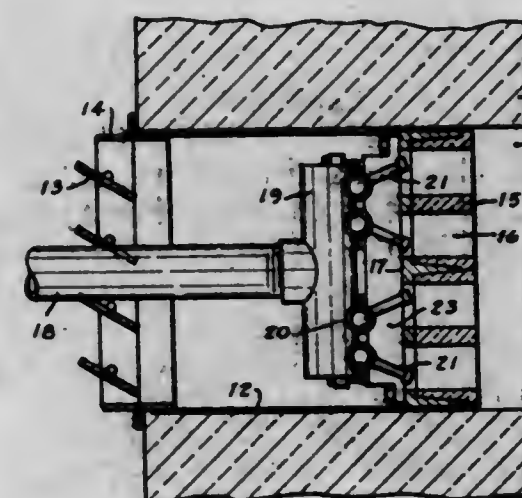


tractor swivelly connected to the harvester and projecting forwardly from adjacent the tower; the upper end of the apron unit being a sufficient distance above the ground to enable the tractor to be turned under the upper forward portion of the unit.

2,386,882

COMBUSTION APPARATUS

Leon S. Reagan and John C. Wallis, Tulsa, Okla., assignors to Webster Engineering Company, Tulsa, Okla., a corporation of Delaware
Application June 29, 1944, Serial No. 542,679
3 Claims. (Cl. 158-7)

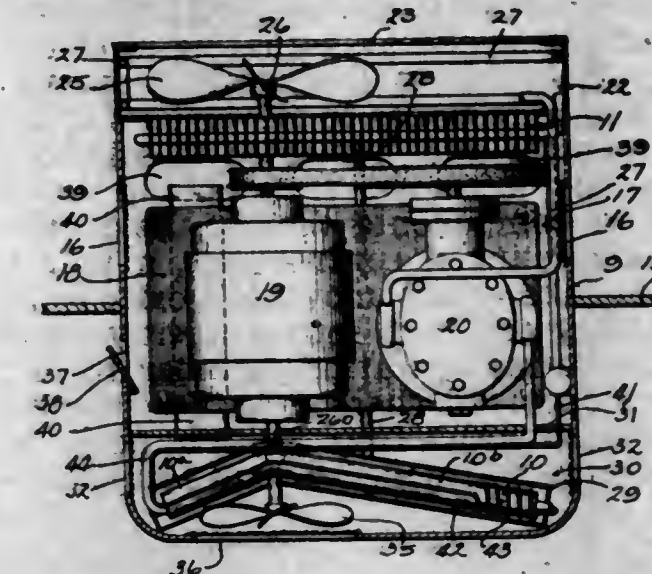


1. In a burner for supplying air and fuel gas to a furnace chamber, the combination of a burner block having a multiplicity of ports through which the combustion air flows to said chamber, and a gas discharge nozzle for each port, the discharge end of the nozzle being positioned so close to one wall of the port that the air gap therebetween is negligible and the angle of incidence of the gas jet on said wall being so small that the gas jet tends to maintain its stream integrity for a substantial distance along said wall, whereby intermixing of the air and gas proceeds relatively slowly in the port.

2,386,883

UNIT COOLER

Arthur D. Ames, Galesburg, Ill., assignor to Outboard Marine and Manufacturing Company, Waukegan, Ill., a corporation of Delaware
Application October 3, 1940, Serial No. 359,523
29 Claims. (Cl. 62-140)

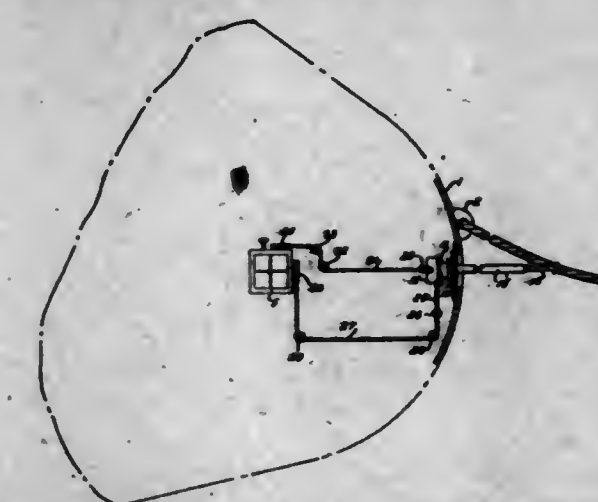


1. In a unit cooler of the character described, the combination with a compressor and a motor having a shaft operatively connected to the compressor for the actuation thereof, of a fan mounted on said motor shaft, a radiator condenser having an aperture through which said motor shaft extends, said fan having blades so pitched as to draw air through said radiator condenser, a shroud enclosing said fan, said radiator condenser being disposed in the path of air drawn to said fan and said shroud being adapted to constrain the fan to draw air through the radiator condenser, and a conduit leading from said compressor to said radiator condenser and having an intermediate portion extending in a coil about at least a part of the path of rotation of said fan and supported on said shroud in thermally conductive relation thereto, whereby said shroud facilitates heat exchange between said conduit and the air withdrawn by the fan through the condenser, together with an evaporator, a pipe affording communication between the condenser and the evaporator, a trough in the lower portion of said shroud and over which air set in motion by said fan is moved, and means for delivering to said trough condensate accumulating on the evaporator, at least a portion of said conduit being in thermally conductive relation to said trough.

2,386,884

TOW GLIDER POSITION INDICATOR

Bert G. Carlson, Gates Mills, Ohio, assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio, a corporation of Ohio
Application January 26, 1944, Serial No. 519,821
11 Claims. (Cl. 33-1)



10. An indicating instrument for indicating in a towed aircraft the longitudinal axis of its flight

attitude with respect to that of the towing aircraft including an operating member mounted for universal movement on said towed aircraft and connected to the towing rope connecting said two aircraft so that said member is moved in response to relative movement of said two aircraft from a path of tandem flight with their projected longitudinal axes coincidental, an instrument dial and an indicator and an actuating lever therefor, and universally mounted operating means actuated by and in response to movements of said operating member and connected to said indicator to move the latter in vertical and horizontal planes and components thereof, said operating means comprising a control unit, a pair of actuating members, one movable horizontally and one vertically and both independently connected to said universal operating member to be independently operated thereby in accordance with its movements away from neutral position, and control elements attached to said actuating members.

2,386,885

PIGMENTS AND PROCESS OF MAKING THE SAME

Charles D. Downs, Woodbury, and Harold F. Saunders, Haddonfield, N. J., assignors to The Sherwin-Williams Company, Cleveland, Ohio, a company of Ohio

No Drawing. Application March 8, 1941, Serial No. 382,332

4 Claims. (Cl. 106—292)

1. The process of reducing the particle size of calcined titanium dioxide and producing a free-flowing pigment, which comprises adding to the titanium dioxide a small proportion of zinc resinate, pulverizing the mixture in an air stream, separating the fine particles from the air stream and returning the coarse particles for further pulverization.

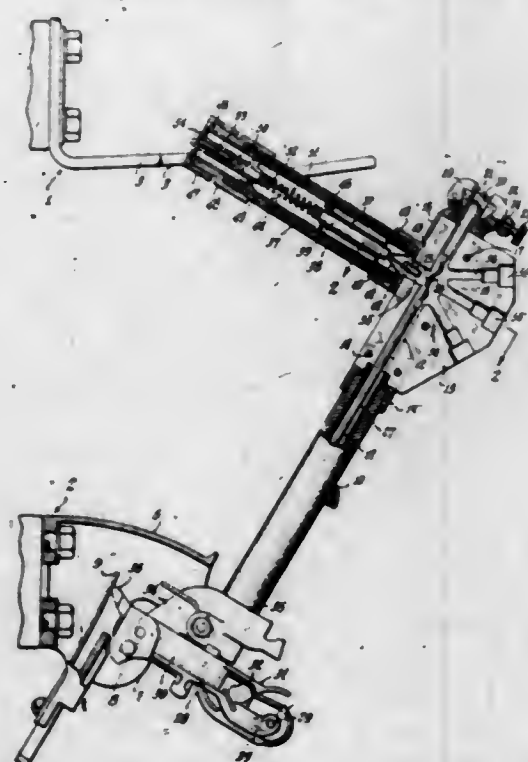
2,386,886

HIGH VOLTAGE CIRCUIT INTERRUPTER

Ralph H. Earle, Wauwatosa, and Roald H. Amundson, Milwaukee, Wis., assignors to Line Material Company, South Milwaukee, Wis., a corporation of Delaware

Application December 30, 1943, Serial No. 516,221

30 Claims. (Cl. 200—120)



16. A circuit interrupter comprising a body portion having a main channel and a cross channel opening transversely through said main channel,

material adapted to evolve gas when acted upon by an arc adjacent one end of said cross channel, closure means enclosing said material and communicating with said cross channel, conducting means in said main channel having normally electrically connected portions adapted to be electrically disconnected on overload, and means for drawing an arc into proximity to said gas evolving material upon disconnection of the said portions of the conducting means, whereby a blast of gas is projected through said cross channel across said main channel to extinguish the arc in said main channel incident to the disconnection of the said portions of the conducting means.

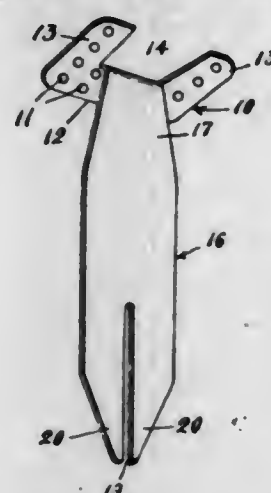
2,386,887

SUPPORTING CLIP

Oliver C. Eckel, Cambridge, Mass.

Application September 4, 1943, Serial No. 501,263

3 Claims. (Cl. 85—11)



2. A construction clip to hold insulating material against a wall or ceiling comprising a flat base all of which is adapted to bear against said wall or ceiling, and a shank integral with said base adapted to penetrate insulation which is adapted to be bent at an angle to the adjoining portion of said shank, said base embodying a main portion and two arms spaced apart said shank positioned between said arms, all the area of said arms being adapted to bear against a wall or ceiling and being greater than the area of the space between them.

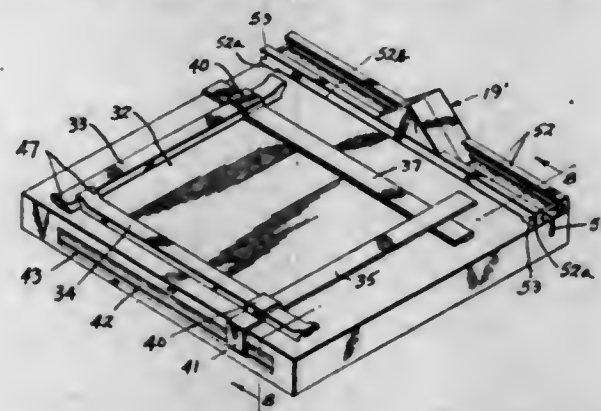
2,386,888

PHOTOGRAPHIC PRINTING FRAME

Max Egelman, New York, N. Y.

Application December 26, 1942, Serial No. 470,181

5 Claims. (Cl. 95—77)



1. In a photographic printing frame, a rectangularly shaped flat base having side grooves extended inwards from two adjacent side edges of said base and having top grooves in its top face extended along and spaced inwards and parallel to said two adjacent side edges, two masking strips at right angles to each other and disposed on the top face of said base and having outer and bottom rib portions engaging into said top grooves for holding the masking strips in posi-

tion, and two more masking strips at right angles to each other and disposed on the top face of said base and having their outer ends slidably mounted in said side grooves.

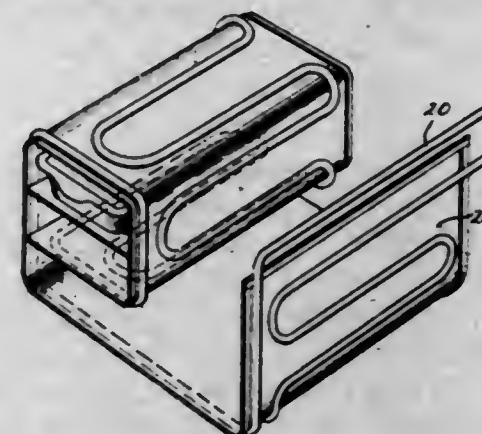
2,386,889

COIL ASSEMBLY

John F. Furry, Galesburg, Ill., assignor to Outboard Marine & Manufacturing Company, Galesburg, Ill., a corporation of Delaware

Application August 2, 1940, Serial No. 349,603

2 Claims. (Cl. 62—126)



1. A heat exchanger or evaporator comprising sides and a bottom in one continuous sheet, at least a partial top constituting an extension of such sheet from one of said sides, a shelf, means connecting said shelf with said top, said shelf and connecting means also being continuous extensions of said single sheet, and a single continuous tube fused to the side, bottom and shelf portions of said sheet and provided with convolutions on the aforesaid sheet portions.

2,386,890

WORK HARDENING ALLOY STEEL

Albert Paul Gagnebin, Red Bank, N. J., assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 14, 1943, Serial No. 483,049

7 Claims. (Cl. 75—128)

1. An alloy steel containing about 5% to 7% nickel, about 2% to 2.5% chromium, about 3.5% to 5% manganese, about 1.1% to 1.4% carbon, and the balance substantially all iron.

2,386,891

MACHINE FOR MAKING PREFORMS

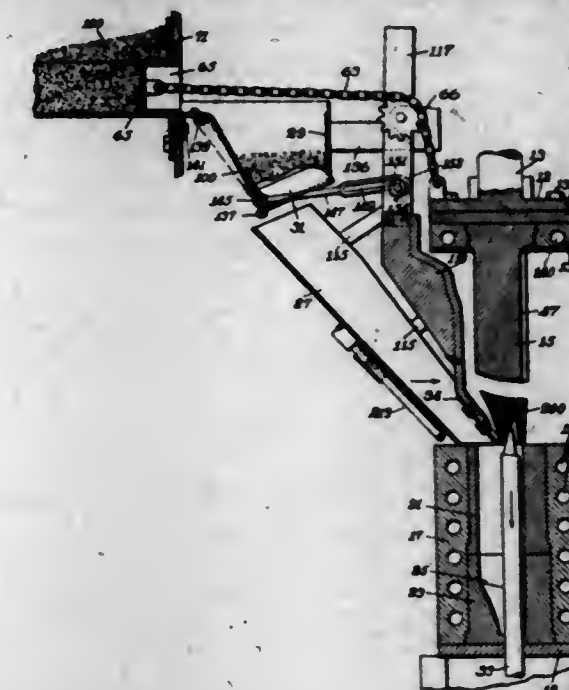
Frank S. Gregory, Jr., Arlington, Mass., assignor to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts

Application January 2, 1943, Serial No. 471,106

7 Claims. (Cl. 18—16)

6. A machine of the class described, having in combination a mold, a cooperating plunger adapted to compress a charge of molding compound in the mold, a knockout pin for pushing the molded article out of the mold, a feed member movable into a position to deliver a charge of molding compound to the mold and to eject from the machine a previously molded article which has been pushed out of the mold by the knockout pin, a hopper located above the feed member said hopper having a bottom yieldingly held in closed position but movable to open position to transfer a charge of molding compound to the feed member, a receptacle for a supply of molding compound, a slide for removing a measured charge of molding compound from the receptacle and transferring it to the hopper while the bottom of the hopper is closed, means for

producing relative movement of reciprocation between the mold and plunger, and means controlled by said movement for reciprocating the



measuring slide, for opening the bottom of the hopper, for moving the feed member and for operating the knockout pin.

2,386,892

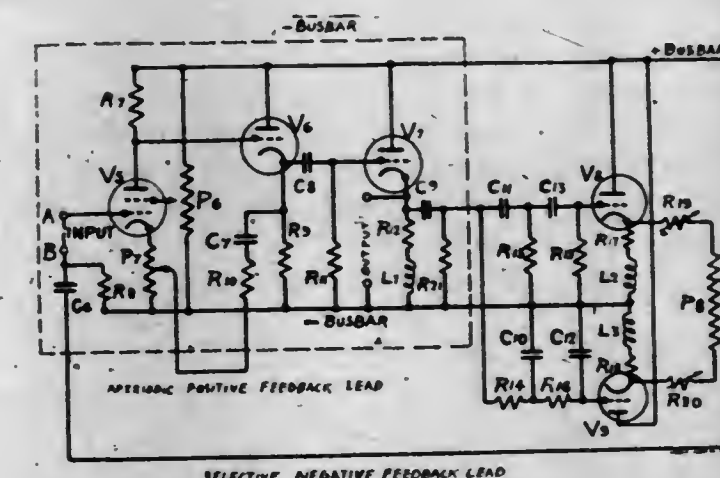
SELECTIVE AMPLIFIER OR OSCILLATOR

Bertram Morton Hadfield, Harrow Weald, England, assignor to Automatic Electric Laboratories Inc., a corporation of Delaware

Application June 5, 1942, Serial No. 445,835

In Great Britain June 23, 1941

5 Claims. (Cl. 250—36)



2. An oscillator having a regenerative feedback, means for deriving a voltage from the oscillator which increases with an increase of the frequency therein, means for deriving a second voltage from the oscillator which decreases with an increase of the frequency therein, a circuit for combining the derived voltages and applying the resultant voltage to the input as a degenerative feedback, the circuit for combining the derived voltages comprising a potentiometer so connected that the feedback may be reduced to zero at any desired frequency by adjustment of said potentiometer.

2,386,893

LINE BLIND

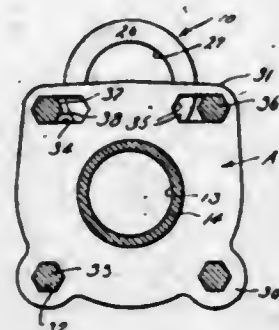
Leland S. Hamer, Long Beach, Calif., assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif.

Application April 21, 1942, Serial No. 439,851

9 Claims. (Cl. 251—167)

1. A fitting of the character described comprising two flange sections having a fluid passage and

having means for connecting with fluid conductors, telescopically related hubs on the inner sides of the sections, the outer hub having a lateral opening and an internal seat, a plate to be inserted in the opening to extend across the passage, and means for urging the sections toward one another so that the plate is clamped between the seat and the inner end of the inner hub, said means including clamp bolts circumferentially spaced around the assembly of sections, one or more of the bolts extending across the mouth of



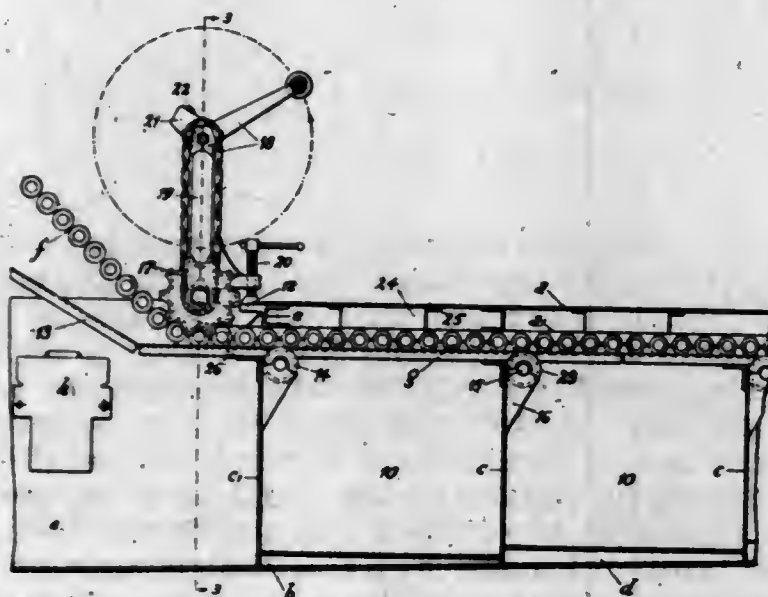
said opening preventing movement of the plate through the opening, the sections having openings for passing the bolts, those openings which pass said bolts which extend across the mouth of said lateral opening being in the form of slots the outer ends of which are beyond the path of the plate as it passes through the opening so that the bolts may be shifted in the slots to retracted positions at the outer ends of the slots where they do not interfere with the insertion or removal of the plate, and nuts screwed on the bolts.

2,386,894

METHOD OF AND MEANS FOR LOADING AMMUNITION CONTAINERS

Croydon H. A. Hartley, Garden City, N. Y., assignor to Republic Aviation Corporation, a corporation of Delaware

Application April 3, 1942, Serial No. 437,516
10 Claims. (Cl. 89—33)



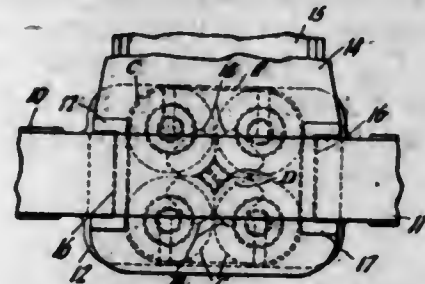
1. In an aircraft: stress-taking structural members thereof defining a container closed on all sides and having a series of compartments provided with aligned apertures in their side walls, removable means passing through said apertures to bridge all except the compartment at one end of the series and constructed to guide a chain of articles into said compartments, and means positioned adjacent the compartment at the other end of said series for feeding said chain of articles along said guiding means.

2,386,895

COMBINED SPRING AND FRICTION SHOCK ABSORBER

Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application May 13, 1943, Serial No. 486,804
6 Claims. (Cl. 267—9)



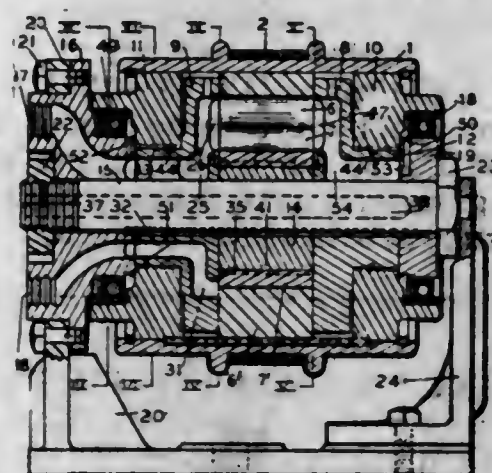
1. In a shock absorber interposed between top and bottom, relatively movable members to yieldingly resist relative approach thereof, the combination with opposed spring plates bearing on said members respectively; of a pair of top friction elements; a pair of bottom friction elements, said top and bottom friction elements being alternated and in lengthwise sliding engagement with each other, each member of one pair engaging both members of the other pair, each element having a rocker base portion integral therewith, said base portions extending through the plates respectively and having rocking engagement with said members; and springs interposed between and engaging said spring plates and overlapping said base portions of the friction elements to rock the latter into tight frictional engagement with each other.

2,386,896

BALANCED COMPRESSOR

Myron F. Hill and Francis A. Hill, 2nd, Westport, Conn.

Application September 1, 1938, Serial No. 227,954
10 Claims. (Cl. 230—141)



1. In a mechanism for operation on or by fluids, rotors or gears mounted eccentrically to each other, one within the other, said rotors having teeth forming chambers between them which open and close during relative rotation, said teeth having contours maintaining continuous contacts between said chambers while performing fluid pressure functions, a support for said rotors providing said eccentric mounting, said support including pressure confining side walls closing said chambers at their ends, high and low pressure ports connected alternately to said chambers for supplying and receiving fluid for said operation, bearings for said eccentrically mounted rotors disposed along said support to prevent said rotors from tilting at angles to each other, high pressure fluid areas between said support and rotors said areas located between said support and rotors, on both sides of a middle plane thru said rotors normal to their axis, and

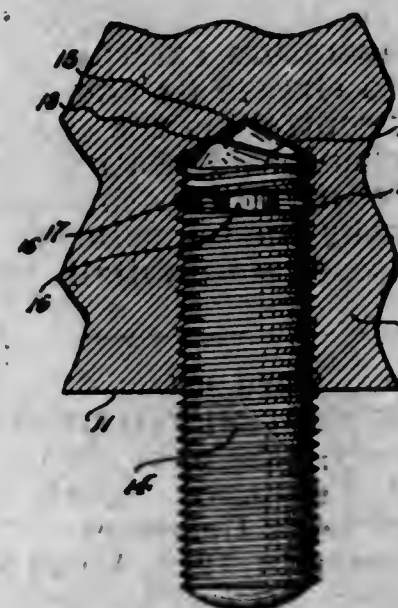
so proportioned as to substantially balance the radial mechanical pressures of said rotors upon said eccentric bearings, said high pressure areas being connected by a duct to said high pressure port, and low pressure regions between said support and rotors, and opposite to said high pressure areas, having a duct connection to a low pressure region; whereby varying fluid pressures in said rotor chambers create opposing forces to corresponding mechanical pressures upon said bearings.

2,386,897

SELF-LOCKING STUD OR THE LIKE

Frederick W. Johnson, East Orange, N. J.

Application September 28, 1944, Serial No. 556,177
3 Claims. (Cl. 151—32)



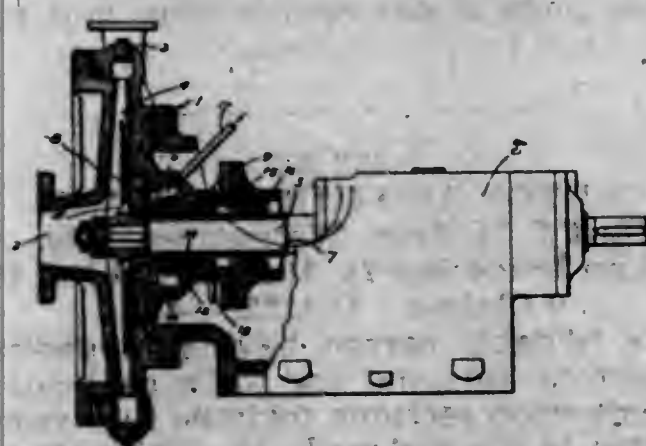
1. In combination with a screw-threaded element adapted to be entered in an internally screw-threaded receiving socket having a conical end wall, means for locking said element against undesired out-turning movement from said socket comprising a screw-threaded terminal section co-operative with the internal threads of said socket, a neck portion of substantially reduced diameter connecting said terminal section in axially aligned and offset relation to the entering end portion of said element, and said terminal section having a substantially conical nosing projecting from its free end, the apex of said nosing being eccentrically offset relative to the axis of said element and its terminal section, and said nosing being adapted to engage the conical end wall of said socket for the purposes described.

2,386,898

CENTRIFUGAL PUMP

Igor J. Karassik, South Orange, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application October 30, 1943, Serial No. 508,279
2 Claims. (Cl. 103—103)



1. In a centrifugal pump, a casing having a sealing extension thereon, an impeller in said

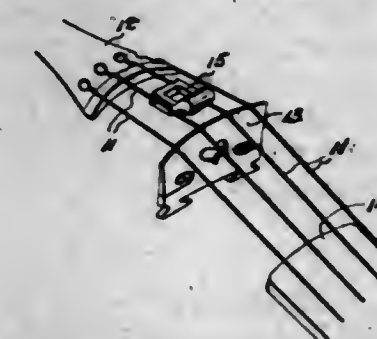
casing, a driving shaft for said impeller, a sealing sleeve in said sealing extension and about said shaft, said casing provided with a sealing chamber outwardly of said sealing sleeve for receiving a fluid under pressure, said sealing sleeve provided with a longitudinally extending leakage space opening into the pump casing and with a plurality of radial openings opening into said sealing chamber and into said leakage space, and a packing about said shaft outwardly of the outer end of said sealing sleeve and spaced from the outer end of the sleeve to form a second chamber, said sealing extension having a leak-off opening therein opening into said second chamber.

2,386,899

MUTE FOR STRINGED MUSICAL INSTRUMENTS

Russell B. Kingman, Orange, N. J.

Application April 17, 1944, Serial No. 531,395
12 Claims. (Cl. 84—311)



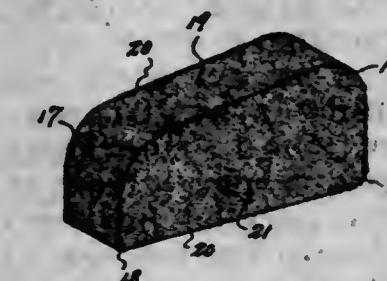
1. A mute for a stringed instrument having a bridge by which its strings are supported comprising a main body having endwise open channels in opposite sides thereof to receive strings straddled thereby so as to slidably mount said body on said strings behind the bridge, said channels being of curvilinear conformation both in vertical and horizontal planes whereby to slightly tensionally stress said strings so as to hold said body against both crosswise and perpendicular movement relative thereto, and bridge engaging means connected with the forward end of said body in forwardly projecting and upwardly offset relation to the forward ends of said channels, said means being adapted to ride onto and firmly engage the top edge of the bridge when said body is slid toward the bridge into muting engagement therewith.

2,386,900

SCOURER FOR KITCHEN UTENSILS

Russell B. Kingman, Orange, N. J.

Application October 4, 1944, Serial No. 557,118
6 Claims. (Cl. 51—185)

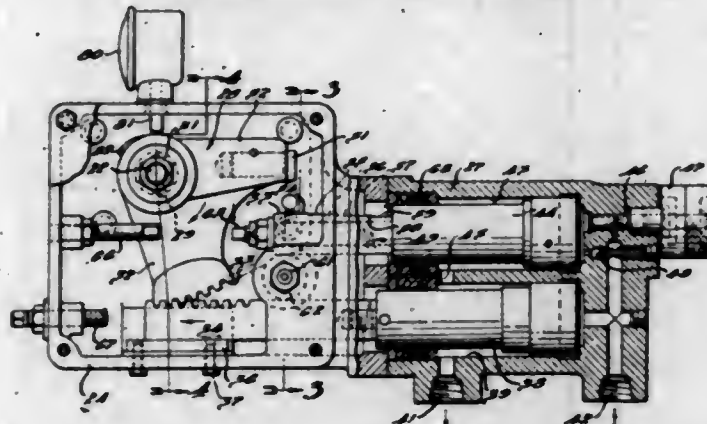


1. A scouring device comprising a rigid block of substantial transverse thickness having a plurality of substantially flat peripheral surfaces disposed in various angular relations and including, at least between certain thereof, connecting curved surfaces of respectively different radii, a coating of resilient material of substantial thickness adherently covering said peripheral surfaces, and at least external surface portions of said coating having abrasive grit bound there-

2,386,901

ADJUSTABLE FEED FOR TOOLS

John E. Kline, Grosse Pointe Farms, Mich., assignor to Micromatic Hone Corporation, Detroit, Mich., a corporation of Michigan
Application November 16, 1940, Serial No. 365,893
21 Claims. (Cl. 51-34)

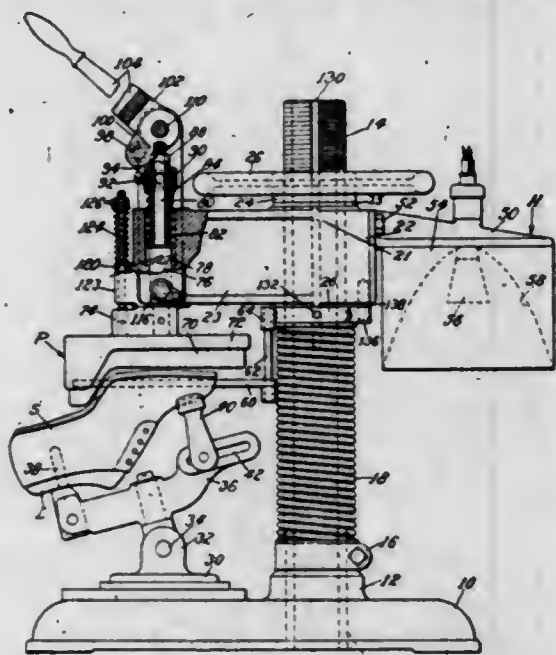


4. In a honing machine, a plurality of honing tools having expansible and contractible abrasive stones, common means for advancing said stones, and movable means disposed in the path of movement of said common means for interrupting the expansion of the stones and thereafter permitting the continuous expansion of said stones to a predetermined diameter.

2,386,902

METHOD OF AND MACHINE FOR ATTACHING SOLES

Cutler D. Knowlton, Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 13, 1944, Serial No. 530,849
11 Claims. (Cl. 12-33)



3. A cement sole attaching machine comprising means for supporting a shoe and a sole having thermoplastic cement on their attaching faces with said attaching faces disposed at least with their greater portions in substantially the same plane, heating means spaced from that plane and arranged to emit parallel heat rays normal to said plane to activate the cement, and means for pressing the shoe and the sole together.

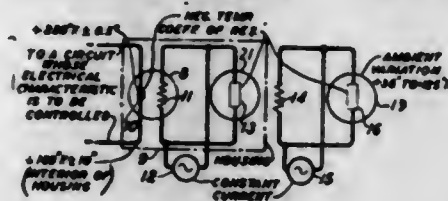
2,386,903

TEMPERATURE CONTROL APPARATUS

Karel Lutomirski, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 31, 1941, Serial No. 404,869
4 Claims. (Cl. 219-20)

1. A system for continuously regulating the temperature of apparatus, including a plurality

of enclosures of different sizes arranged such that the smaller enclosure is positioned within the next larger enclosure, said apparatus being positioned within the innermost enclosure, a heating element positioned within the innermost enclosure in heat-transfer relation to said apparatus, a source of constant current for energizing said heating element, and means including a resistor having a temperature coefficient of resist-

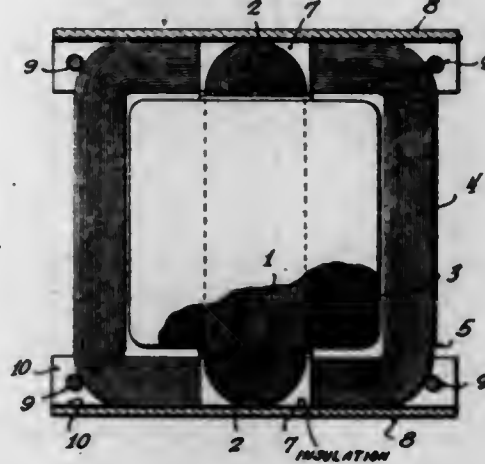


ance connected to both said source and said heating element and continuously responsive to variations of the temperature external to the innermost enclosure to change its effective resistance for continuously controlling the effective amount of current energizing said heating element such that the temperature within the innermost enclosure, and thereby the temperature of said apparatus, is maintained substantially constant.

2,386,904

ELECTROMAGNETIC DEVICE

Walter R. Mayberry, Zanesville, Ohio, assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application January 10, 1942, Serial No. 426,344
1 Claim. (Cl. 175-356)



A core construction for an electromagnetic device comprising two spaced, closed, wound cores formed of magnetic ribbon, a central wound core formed of magnetic ribbon wound into a closed figure and flattened to provide an elongated structure, said central core having rounded ends located between the closed cores and having its opposite faces at each end in close proximity to the opposed faces of the closed cores with the edges of the ribbon at the rounded ends of the central core extending transversely across the edges of the ribbon at the adjacent portions of the closed cores, and thin insulating means between the ends of the central core and the opposed faces of the closed cores.

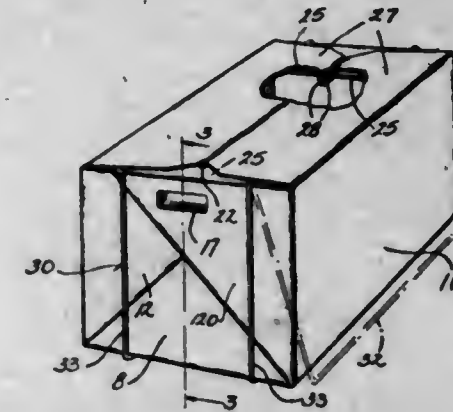
2,386,905

CARTON AND CARTON BLANK

Curt J. Meltzen, Wauwatosa, Wis.
Application December 26, 1942, Serial No. 470,257
9 Claims. (Cl. 229-49)

1. In a foldable carton having hingedly connected bottom, side and end walls, said side walls having extension sections foldable into reinforcing relation to the end walls, in combination with a bar extending along the bottom of the carton, arms connected with said bar and extending up-

wardly at the ends of the carton in a position to retain said sections folded upon the end walls

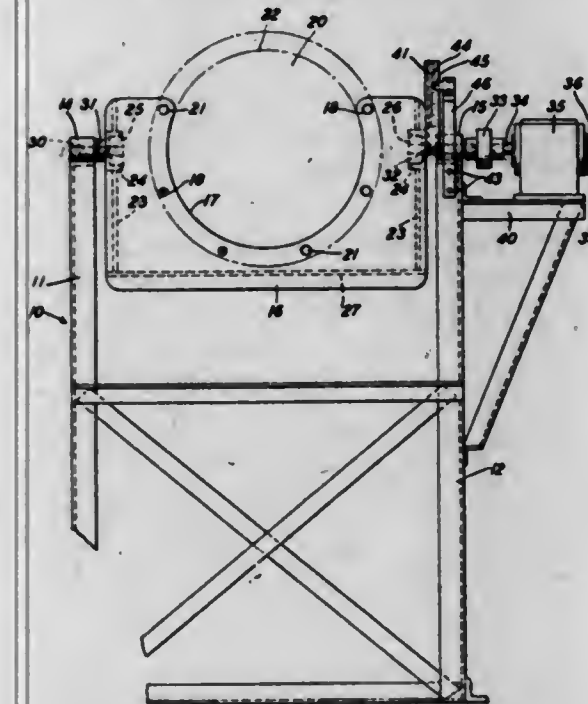


of the carton, and hook means at the tops of said arms releasably engaged over the wall of the carton.

2,386,906

TILTING APPARATUS

Donald H. Mitchell, Cranford, and Robert R. Pollard, East Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 4, 1943, Serial No. 512,948
2 Claims. (Cl. 248-13)



1. A tilting apparatus for a hollow article having an open end, the apparatus comprising a supporting frame, an element having an opening therein conforming to the open end of the article, means carried by the frame for supporting the element for movement about a given axis, means carried by the support to secure the open end of the article thereto at the said opening and with the center line of the article intersecting the said axis, and means operatively connected to the element to move the element with the article into a plurality of positions about the axis.

2,386,907

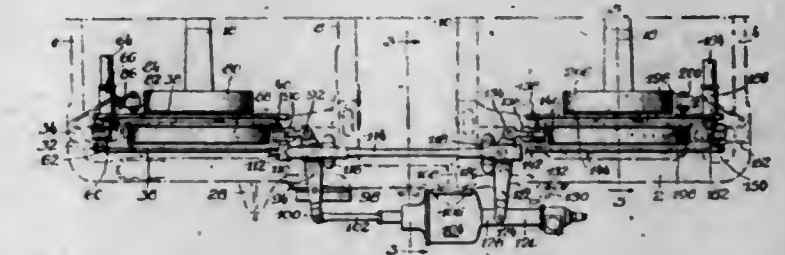
BRAKE

Raymond C. Pierce, Chicago, Ill.
Application May 21, 1943, Serial No. 487,851
27 Claims. (Cl. 188-56)

1. In a brake arrangement for a railway car truck, a truck frame, spaced supporting wheel and axle assemblies carrying a brake drum adjacent each wheel, power means at each side of the frame, and braking means for each assembly comprising live truck levers operatively connected to the adjacent power means, dead truck levers

579 O. G.-28

at the opposite side of the assembly, connections between the live and dead truck levers at each end of the assembly, relatively large metal wheel-engaging brake shoes operatively connected to said live truck levers, equalizers connected at intermediate points to said dead truck levers respectively, relatively small wheel-engaging metal

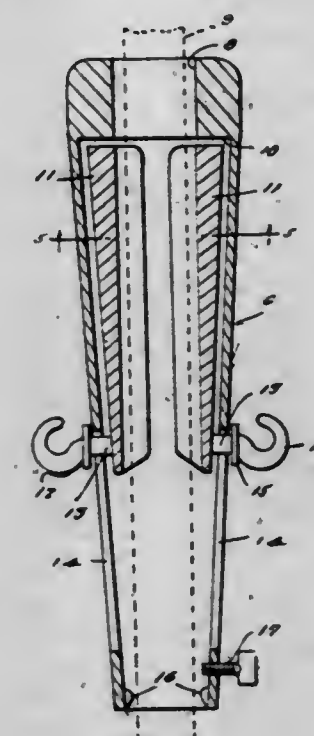


brake shoes supported from corresponding ends of said equalizers, a brake beam supported between the other corresponding ends of said equalizers, and composition brake shoes supported from opposite ends of said beam in braking engagement with drums at opposite ends of the adjacent assembly.

2,386,908

ROPE CLAMP

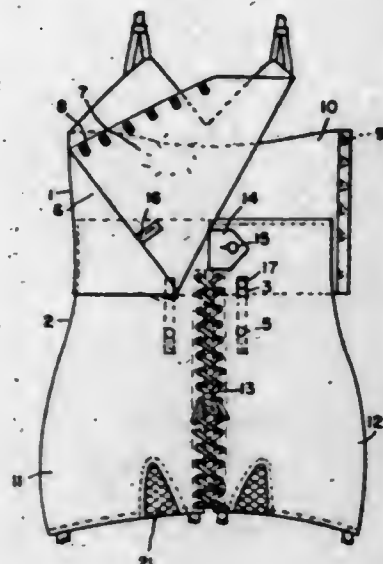
Macon A. Puckett, Marietta, Ga.
Application July 29, 1943, Serial No. 496,630
2 Claims. (Cl. 24-136)



1. A rope clamp comprising a hollow shell defining a longitudinally extending chamber tapered towards its lower end and through which a rope or cable is adapted to extend, a head for the upper end of said shell formed with a rope passage communicating with the upper end of said chamber, the wall of said shell being formed with longitudinally extending slots, transversely arcuate rope engaging jaws in said chamber slidable longitudinally therein and moved toward each other by cam action of the wall as they move downwardly, hooks disposed externally of said shell and having shanks passing through the slots and fixed to lower end portions of said jaws, said hooks being engageable by an auxiliary line and their shanks constituting means for guiding and limiting vertical movement of the jaws, internal lugs carried adjacent the lower end of the shell for limiting downward movement of the jaws, and a set screw threaded through the shell between the lugs and lower ends of said slots for exerting binding action upon a rope passing through the shell and between the jaws.

2,386,909
GARMENT

Joseph A. Roschill, Detroit, Mich., assignor to American Lady Corset Company, Detroit, Mich., a corporation of Michigan
Application June 15, 1942, Serial No. 447,128
3 Claims. (Cl. 2—30)



1. A combination form retaining garment comprising a front-opening girdle, a side-opening brassiere overlapping said girdle at the outer side thereof, said girdle having front sections bordering the front opening, lacing extending between said front sections and terminating below the upper edges thereof, a tab on one of said front sections above said lacing extending laterally over the other of said front sections at the outer side thereof, and a button on the other of said front sections detachably engageable with said tab, said tab and button being concealed by said brassiere, said brassiere having front sections with one front section bordering the side opening and means for securing said brassiere to said girdle comprising a tape secured to said last mentioned front section of said girdle, a button on said tape, and means forming a button hole for receiving said button on the front section of said brassiere bordering the side opening.

2,386,910
METHOD OF MAKING SHOES AND PRODUCT OF SAID METHOD
Adolf Sanchioni, Needham, Mass.
Application June 29, 1943, Serial No. 492,707
2 Claims. (Cl. 36—19.5)



2. A shoe comprising an insole; an upper including a vamp having an open toe portion and a lining secured to said vamp and having marginal portions extending beyond the lower edges of the vamp and meeting upon the bottom of the insole; said edges being stitched directly together with their marginal faces abutting each other at the seam so formed, portions of said lining being notched laterally where they overlie the bottom of the insole to take out the slack stock in the lining, independent through and through means

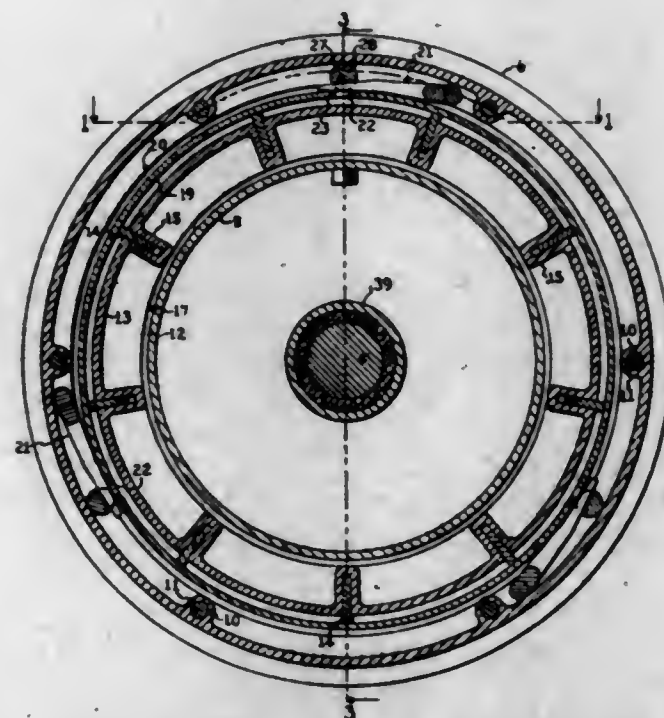
fastening the toe end only of said insole securely to the underlying portion of said upper at said toe opening, the seams securing the edges of said lining in place at the bottom of the insole extending both longitudinally and transversely of said insole, a resilient filler covering said seams and the greater part of the lining exposed at the bottom surface of the assembly formed by the aforesaid parts, an outsole secured to the marginal portions of said vamp where they overlie the insole, and a heel secured to the rearward end of said assembly.

2,386,911
SHOE AND METHOD OF PRODUCING SAME
Adolf Sanchioni, Needham, Mass.
Application August 20, 1943, Serial No. 499,314
3 Claims. (Cl. 36—11.5)



3. An open-toe shoe comprising a vamp, an insole, a platform under the forepart of the insole, means fastening one lateral edge portion of said vamp to the bottom of the insole only, other means securing the opposite lateral edge portion of said vamp to the top of the platform only, the vamp extending around the opposite edges of the insole and both edges of said vamp lying between the insole and the platform, additional means securing said insole and said platform together, an outsole, and means securing said outsole to said platform.

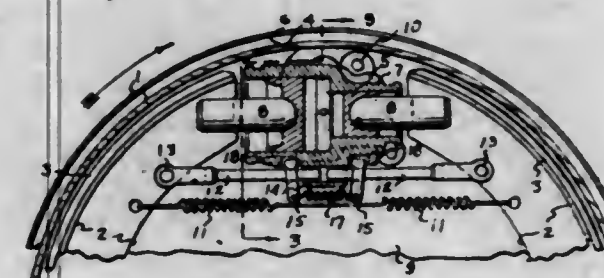
2,386,912
FLUID CLUTCH
Charles A. Sawtelle, Rosedale Gardens, Mich.
Application July 5, 1943, Serial No. 493,617
8 Claims. (Cl. 192—58)



1. A fluid clutch comprising coaxial rotary driving and driven members, an annulus confined between said members in a substantially coaxial relation therewith, and forming with one of said members a fluid chamber, and flexible to and from the last-mentioned member, a liquid confined in said fluid chamber, a plurality of blades mounted in circumferentially spaced relation

upon the last-mentioned member and slidable through said fluid chamber to and from said annulus, means permanently and positively connecting said annulus to the other of said members for rotation therewith, means yieldably acting on the blades and maintaining fluid-sealing contact thereof with the annulus, and means for imposing and relieving pressure upon circumferentially spaced portions of said annulus to flex such portions into or out of engagement with the blade-mounting member, and thereby afford a transmission of torque through said liquid.

2,386,913
WEAR COMPENSATOR FOR BRAKES
Charles A. Sawtelle, Rosedale Gardens, Mich.
Application May 4, 1944, Serial No. 534,107
9 Claims. (Cl. 188—79.5)

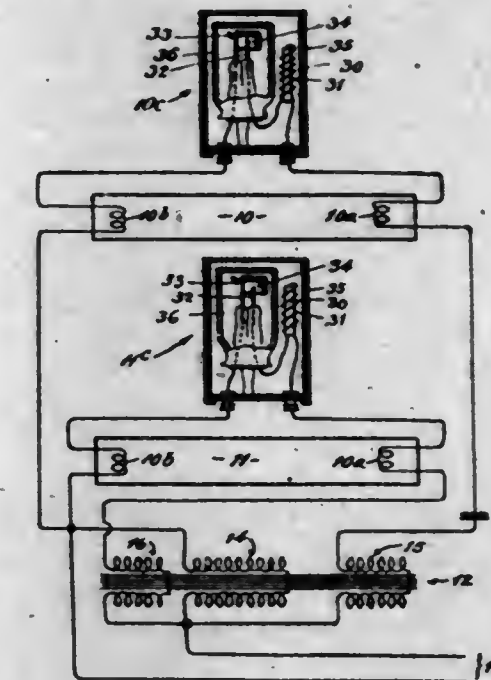


1. In an automatic compensator for wear, the combination with a rotatable friction-receiving brake member, a friction-applying member movable to engage and disengage said rotatable member, and means yieldably urging the friction-applying member to a disengaged position, of a strut for limiting disengaging travel of the friction-applying member, a connection through which the strut takes effect on and is movable in unison with the friction-applying member, a detent slidably fitted on and fully carried by the strut and rockable in a plane substantially axial to the strut to lock such detent on the strut, means maintaining the detent normally yieldably locked on the strut to travel bodily with the strut, a stop at one side of and engageable by the detent to limit disengaging travel of the friction-applying member, a second stop at the other side of and engageable by the detent in its travel incident to an application of friction and effective to rock the detent to an unlocked position, whereby the detent may slide in compensation for wear of the brake, and means restraining the detent from material rotation about the strut axis.

2,386,914
FLUORESCENT TUBE CIRCUIT
Arthur Slepian, Trumbull, Conn., assignor, by mesne assignments, to The Wheeler Insulated Wire Company, Incorporated, Bridgeport, Conn., a corporation of Delaware
Original application June 15, 1940, Serial No. 340,701, now Patent No. 2,340,348, dated February 1, 1944. Divided and this application March 4, 1943, Serial No. 477,932
5 Claims. (Cl. 315—100)

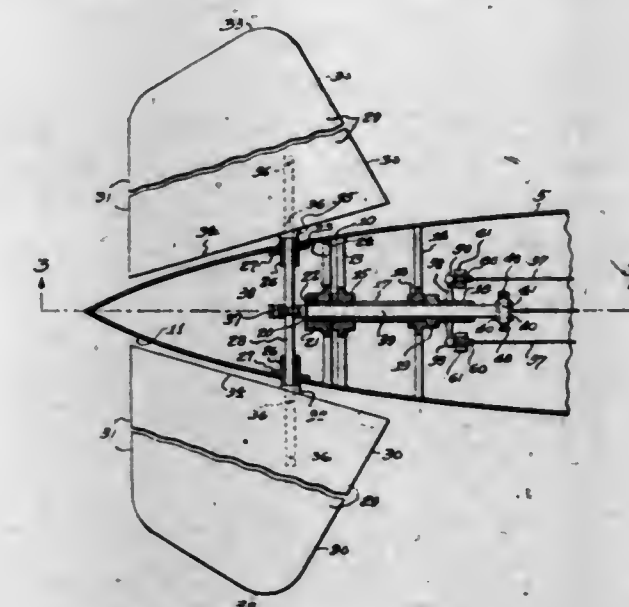
1. In a fluorescent tube circuit, a gaseous discharge fluorescent tube having filaments therein; automatically operated switch means in said circuit for periodically closing a heating circuit between said filaments when the tube is non-conducting to heat the filaments to cause said tube to be operative; and heat-responsive means

including contacts in the heating circuit for opening the heating circuit upon overheating of



the starting means caused by repeated operations of said switch upon the tube failing to become operative.

2,386,915
AIRCRAFT
George Spittler, Wyandotte, Mich.
Application May 25, 1942, Serial No. 444,295
1 Claim. (Cl. 244—88)



In combination with an aircraft fuselage tapered rearwardly and terminating in a frusto-conical end portion, a conical tail piece for said aircraft for positioning on the frusto-conical end portion so that the taper of the fuselage is continuous with the taper of the tail piece, a tubular shaft secured to said tail piece and projecting into said fuselage, bearing means in said fuselage for rotatably supporting said tubular shaft, a shaft extending through said tail piece transversely of said tubular shaft and offset from the axis thereof, a third shaft extending through the tubular shaft mounted for longitudinal sliding and rotary movement therein, a pinion gear mounted on said transverse shaft intermediate its ends, a pinion engaging rack portion on one end of said third shaft drivingly engaging said pinion for causing rotation of said transverse shaft in both directions upon reciprocal longitudinal movement of said rotatable and slidably mounted shaft, air foils mounted on each end of

said transversely extending shaft exteriorly of said tail piece to rotate with said transverse shaft, control means for rotating the tubular shaft whereby the tail piece will be rotated about its longitudinal axis, and control means for reciprocating said rotatable and slidably mounted shaft longitudinally to rotate said transversely extending shaft about its longitudinal axis and adjust said air foils, said air foils being formed with plane surfaces extending on both sides of the axis of said transversely extending shaft with the forward portion of each air foil projecting in symmetry with the frusto-conical end portion of said fuselage and overlapping the joint between the fuselage and tail piece.

2,386,916

PIEZOELECTRIC CRYSTAL

Andrew E. Swickard, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 9, 1943, Serial No. 482,361
7 Claims. (Cl. 171-327)

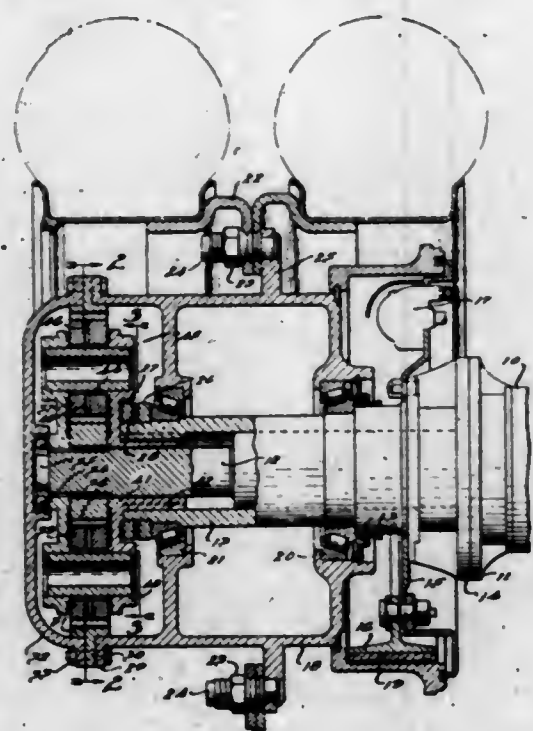


1. A CT cut piezoelectric crystal for low frequency vibration of such area relative to its thickness as to have free vibration nodal points spaced along one dimension, and a support for said crystal substantially midway between said nodal points whereby an artificial nodal point is formed causing the crystal to vibrate at a low frequency.

2,386,917

DRIVING AXLE CONSTRUCTION

Ray F. Thornton, Dearborn, Mich.
Application February 6, 1943, Serial No. 474,933
13 Claims. (Cl. 74-391)



1. In a driving axle construction, a housing, a wheel supporting hub and removable hub cap rotatably mounted on said housing a power driven axle drive shaft journaled in said housing and having its free end journaled in a floating self-aligning bearing mounted on said hub cap in position to support the free end of the said axle drive shaft for rotation about its true axis, and a gear drive interposed between the said axle drive shaft and said hub.

2,386,918
METHOD AND APPARATUS FOR PROJECTING LIQUID JETS
Lewis G. Morris Timpson, Plainfield, N. J., assignor to Pyrene Development Corporation, a corporation of Delaware
Application October 31, 1941, Serial No. 417,220
13 Claims. (Cl. 261-116)

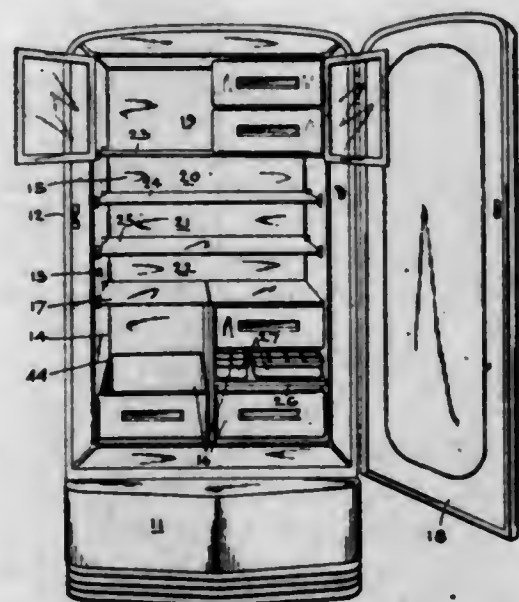


1. Apparatus for producing fire extinguishing foam which comprises a nozzle for projecting a jet of liquid comprising a chamber for receiving a stream of liquid under pressure, said chamber having a relatively large diameter, a substantially centrally located orifice in a wall of said chamber having a sharp peripheral edge on its entrance side and forming a non-converging outlet passage for the liquid, said chamber providing a passage for liquid that has a diameter adjacent the orifice at least several times larger than the diameter of the orifice, and means within said nozzle in advance of said orifice for diverting the flow of liquid from a path directly toward said orifice without restricting the effective area of the orifice, said means causing the liquid to approach said orifice laterally from all sides in a plurality of impinging streams so that a solid jet of highly dispersed spray is projected from the nozzle, and a receiver open to the atmosphere for receiving said jet and discharging the resulting stream of liquid with incorporated air.

2,386,919

REFRIGERATION APPARATUS

Raymond E. Tobey, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 2, 1942, Serial No. 460,497
4 Claims. (Cl. 62-116)



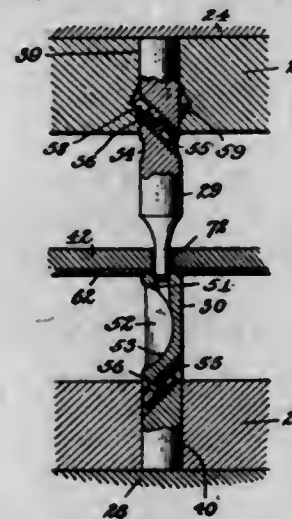
1. In refrigeration apparatus, the combination of a refrigerator cabinet comprising an inner metallic shell having a portion forming some of the walls of a high-humidity refrigerated storage compartment, a refrigerating system including first and second refrigerant evaporating means, a refrigerant condensing means and a refrigerant circulating means, a freezing compartment in said cabinet, said first evaporating means comprising a plurality of single-pass refrigerant coils secured in heat-exchange relation with said

portion of the inner shell, said second evaporating means being disposed in heat-exchange relation with said freezing compartment, a single capillary tube flow-restricting device between the condensing means and said first evaporating means, means for supplying refrigerant in parallel from said capillary tube flow-restricting device to each of said single-pass refrigerant coils, means for conducting the flow of refrigerant from said first evaporating means to said second evaporating means, and a conduit connecting said second evaporating means to said refrigerant-circulating means.

2,386,920

PUNCH AND DIE ASSEMBLY

Lawrence V. Whistler and Sanford A. Whistler, Kenmore, N. Y.
Application June 12, 1943, Serial No. 490,694
23 Claims. (Cl. 164-118)

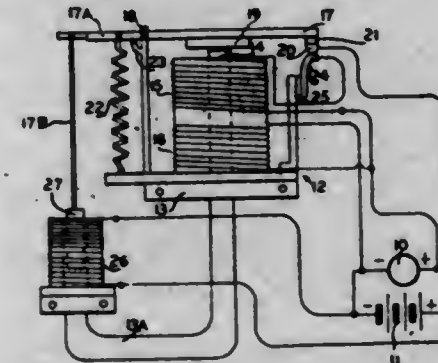


1. In a punch and die assembly, punch and die retainer-plates spaced apart and having openings formed therein arranged in pairs with one opening of each pair in each of said retainer-plates and with the openings of each pair in axial alignment, punches in the openings in said punch retainer-plate, dies retained in the openings of said die retainer-plate, and means diagonally passing into and partially out of said punches accessible from the space between said retainer-plates and engaging the walls of the openings receiving said punches.

2,386,921

ELECTRICAL CONTROL SYSTEM

John R. Albers, Sioux City, Iowa, assignor to Wincharger Corporation, a corporation of Minnesota
Application May 10, 1943, Serial No. 486,314
6 Claims. (Cl. 320-33)



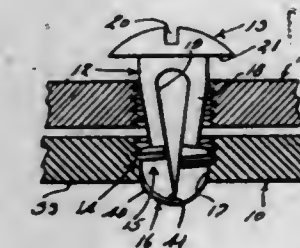
1. In a system for connecting a source of variable voltage to a circuit including a source of variable back electromotive force, an electrical switch arranged for connecting said sources, said electrical switch having a fixed and a relatively movable contact, means responsive to a predominance of said voltage over said electromotive force for closing said switch, said means includ-

ing electromagnetic means responsive solely to said variable back electromotive force for urging said contacts apart, and permanent switchless circuit connections between said source of variable back electromotive force and last mentioned electromagnetic means such that current flows therethrough regardless of the magnitude of said source of variable voltage and causes urging of said contacts apart.

2,386,922

FASTENING DEVICE

Earle R. Andrews and Lionel H. Steans, Los Angeles, Calif.
Application June 16, 1943, Serial No. 490,982
12 Claims. (Cl. 85-2)

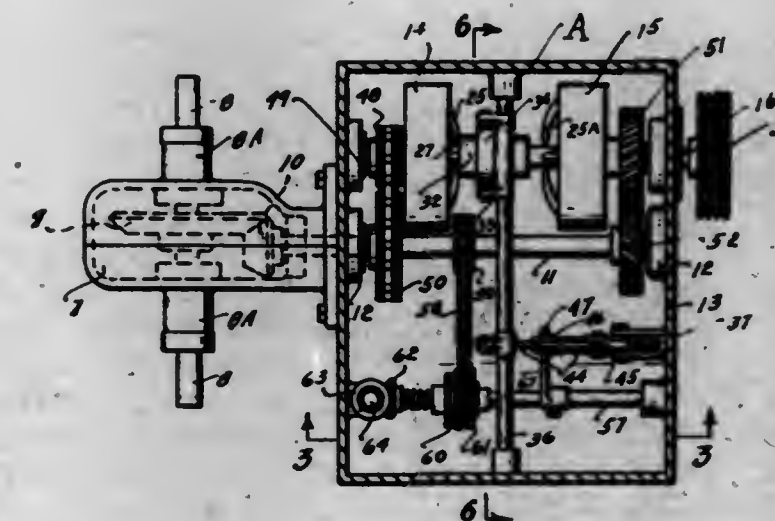


1. A screw-type fastening device of the character described including, a shank including spaced legs to extend through inner and outer work parts to be fastened together, a head on the outer end of the shank having means to be engaged by a tool for rotating the shank, helically pitched parts projecting from the exterior of the legs and confined to the inner end portion of the legs to have thread-like engagement with the inner work part whereby the work parts are drawn together by rotation of the device, and a lock shoulder on the inner end of the shank to prevent disengagement of the device from the work parts.

2,386,923

POWER TRANSMISSION FOR SAWMILL CARRIAGES

Budd W. Andrus, Eugene, Oreg.
Application December 28, 1942, Serial No. 470,375
10 Claims. (Cl. 192-51)



1. A power transmission unit, including a driving shaft, clutch elements for operating the shaft in either direction, manually-operable means including a toggle link for selecting a clutch element for operating the shaft, and means selectively set and automatically operated by the driving shaft for breaking the toggle link to release the operated clutch following a predetermined operation of the driving shaft thereby.

2,386,924

PRODUCTION OF HEAVY RUMS

Rafael Arroyo, Rio Piedras, P. R.

No Drawing. Application January 13, 1943,

Serial No. 472,250

11 Claims. (Cl. 195-13)

1. A process of preparing heavy rums, which comprises removing excess ash and gums from a blackstrap molasses, initially fermenting a thin sterile mash thereof containing about 12 to 13 grams of total sugars per 100 ml. at a temperature of about 30 to 33 degrees C. by a heavy rum yeast of the genus *Schizosaccharomyces*, which is tolerant to concentrations of aliphatic acids of substantially pH 3.5 to 6.0 and is a producer of esterase, until a sugars concentration of 2 to 6 grams per 100 ml. and an alcohol content of about 3.5 to 6.0 percent by volume are obtained, introducing *Clostridia saccharobutyricum*, continuing the fermentation at a temperature of about 27 to 30 degrees C. while maintaining the pH above 5.0, and thereafter fractionally distilling the beer and recovering a second fraction obtained by removing a forerun of about 0.5 to 1.0 percent of the total volume of the distilling mash, said second fraction being terminated at a distillation proof of about 100 degrees, and mixing therewith a fourth distillate fraction comprising the condensate from distillation after the proof has dropped to about 70 to 75 degrees.

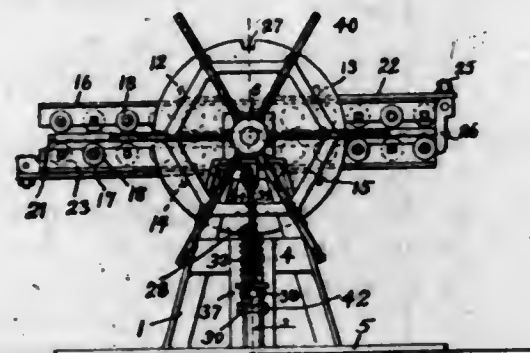
2,386,925

PLATE REVERSING MECHANISM

Charles W. Beck and Joseph W. Pick, Middletown, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

Application April 8, 1943, Serial No. 482,330

6 Claims. (Cl. 214-1)



2. In a structure of the class described, a rotatable framework, means mounting the framework for rotation, means on the framework to receive a plate or the like between them, and automatic gravity actuated stop means at each end of the last mentioned means to position a plate or the like with its center line of gravity substantially coincident with the axis of rotation of the mechanism, said stop means each comprising arms having a range of rotative movement of approximately 90° so as to be capable of swinging from a position transverse the path of a plate or the like between the said supports to a position in which they clear said path.

2,386,926

SEPARATION OF AMINO ACIDS

Richard J. Block, Scarsdale, N. Y., assignor to C. M. Armstrong, Inc., a corporation of New York

No Drawing. Application November 19, 1942,

Serial No. 466,217

3 Claims. (Cl. 260-529)

1. In the separation of poly from monoamino acids, the method which comprises forming an

aqueous solution of protein hydrolysate, of pH not substantially in excess of 6.5, containing mineral acid and essential polyamino and essential monoamino acids in the form of their salts with the mineral acid; passing the solution through a layer of a cation exchange resin having the property of retaining cation from salt solutions and increasing the acidity of such solutions in contact with the resin, without introducing any substantial proportion of metal ion, and that before use is adjusted to the hydrogen cycle, this passage through the resin layer giving an effluent of low pH below that of the protein hydrolysate solution used; continuing the passage of the protein hydrolysate until the effluent shows a rise in the pH to about 2.5 to 3; then draining the liquid from the resin; washing the remaining resin and adhering liquid with water; contacting the washed material including the exchange resin and retained polyamino acids with an aqueous solution of a strong acid so as to liberate the polyamino acids from the said resin; and then draining and washing the liquid from the resin.

2,386,927

PROCESS FOR SEPARATING DIOLEFINS

James H. Boyd, Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application March 22, 1941,

Serial No. 384,757

4 Claims. (Cl. 202-41)

1. A process for the concentration of an aliphatic conjugated diolefin from hydrocarbon mixtures containing the same and other close-boiling more saturated aliphatic hydrocarbons which comprises extracting said mixture with a selective solvent for the diolefin, said solvent being an alkyl N-substituted lower fatty acid amide, and thereby effecting preferential solution of said diolefin in said solvent while allowing said other hydrocarbons to remain undissolved in said solvent, separating the resulting diolefin-enriched solvent phase from said undissolved other hydrocarbons, and recovering the diolefin from said solvent phase.

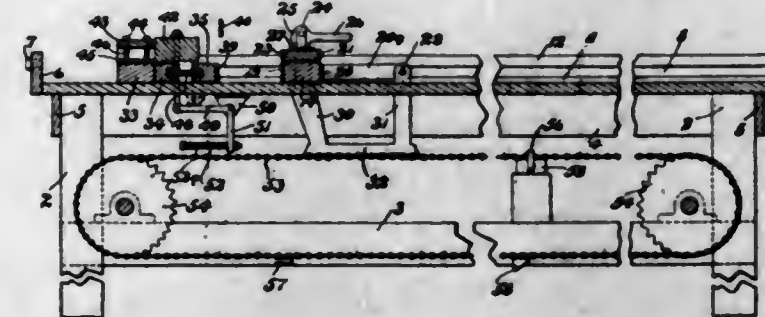
2,386,928

LINE MEASURING AND CUTTING MACHINE

Edward H. Brown, Grand Rapids, Mich., assignor to McInerney Spring & Wire Company, Grand Rapids, Mich., a corporation of Michigan

Application October 28, 1943, Serial No. 508,073

15 Claims. (Cl. 164-42)



12. In a construction of the class described, a horizontal table, a carriage mounted thereon for movement lengthwise of the table, releasable clamping means on the carriage for connecting the end of a line or cord thereto to be pulled in the direction of its length, means for moving the carriage, means for automatically stopping carriage movement at a predetermined position thereof over the table, means for automatically

stopping movement of the line a short time before stopping the carriage to place the line under a predetermined tension, said line being adapted to be severed and released from the carriage, and means against which the carriage engages and which is moved by the carriage on returning the carriage in the opposite direction to a predetermined position for the automatic entrance of the end of a succeeding line into position with respect to the carriage to be clamped thereby, to be drawn in the direction of its length and tensioned, as described.

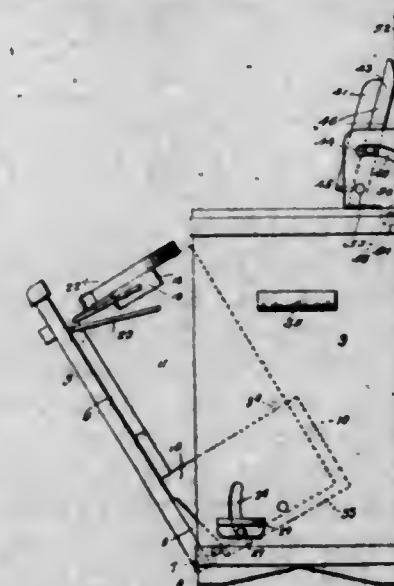
2,386,929

TRASH AND GARBAGE RECEPTACLE

Kenneth L. Brown, Long Beach, Calif.

Application August 3, 1943, Serial No. 497,194

3 Claims. (Cl. 312-155)



1. A trash cabinet comprising connected side walls and a front panel provided with a hinged lower end whereby said panel is swingable into opened and closed positions respectively, a container, means to support said container on said panel within the cabinet when the panel is closed and for swinging part way out of the cabinet when said panel is opened, an upwardly opening lid for the cabinet, an upwardly opening closure for the container, treadle operative means for swinging said panel outwardly, and means operative by said treadle operative means for opening said closure including a vertically movable rod in said cabinet, and a cam for moving said rod upwardly.

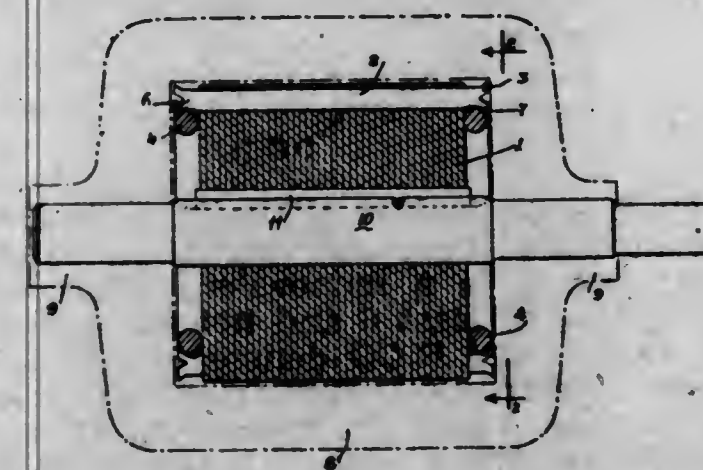
2,386,930

MOTOR CONSTRUCTION

Steffen S. Brown, Dayton, Ohio, assignor to The Brown-Brockmeyer Company, Dayton, Ohio, a corporation of Ohio

Application March 16, 1944, Serial No. 526,671

2 Claims. (Cl. 172-120)



1. A squirrel cage rotor comprising a plurality of stacked laminations, a plurality of equi-

distantly spaced openings extending longitudinally of the stack, inductor bars fitting said openings fairly snugly and extending beyond at least one end of the stack, an end ring formed of round stock and bent to circular shape, said ring being positioned within the confines of the extended ends of said bars and contacting with the bars, said bars being longitudinally split to form parted portions whereby good contact between said ring and bars is obtained and the ring securely held in position.

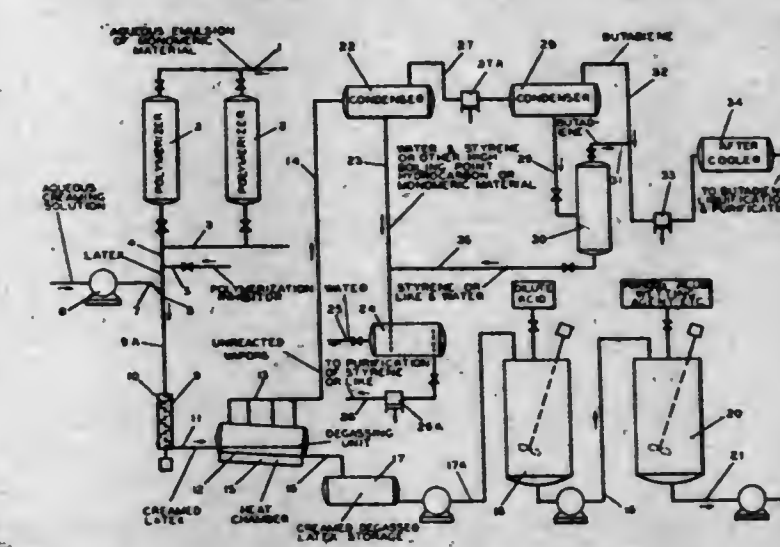
2,386,931

PRODUCTION OF SYNTHETIC RUBBER

Frank T. Carpenter, Dearborn, Mich., assignor to Phillips Petroleum Company, a corporation of Delaware

Application May 3, 1943, Serial No. 485,487

6 Claims. (Cl. 260-86.5)



1. In the process of producing synthetic rubber by series of steps including emulsion polymerization of monomeric material including an aliphatic conjugated diolefin to yield a latex of synthetic rubber containing volatile organic material including unpolymerized monomeric material, the improvement which comprises creaming said latex and subsequently degassing said creamed latex to remove therefrom said volatile organic material.

2,386,932

RELEASE LINK

Daniel Waumsley Cooper, Waltham Chase, England, assignor to Cunliffe-Owen Aircraft, Limited, Swaythling, near Southampton, England, a British joint-stock company

Application March 20, 1944, Serial No. 527,365

In Great Britain February 22, 1943

12 Claims. (Cl. 294-83)



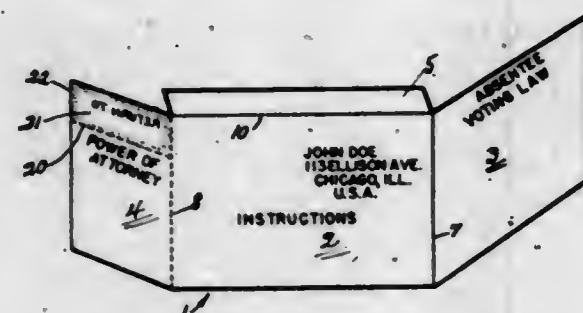
1. A release-link comprising a body member and a keypiece, said body member having a non-

circular keyhole for reception of said keypiece, said body member and keypiece being relatively rotatable for interengagement after insertion of said keypiece into said keyhole, means for holding said keypiece and body member relatively rotated to interengagement position, means for applying load-tension to said body member and keypiece, said load-tension acting to maintain the interengagement of said body member and keypiece, and spring means adapted to cause reverse relative rotation of said keypiece and body member upon removal of the load-tension from said applying means, said applying means including a timing device operated by the load-tension and controlling said holding means.

2,386,933

SHEET FOLDING

John William Cordell, Oklahoma City, Okla.
Application April 24, 1944, Serial No. 532,510
3 Claims. (Cl. 229-92.1)



1. A combination envelope and voting ballot comprising a single sheet body blank, creased, cut and folded to form: a central panel; a second panel formed at one edge of said central panel and adapted to be folded over said central panel; a gummed edge portion carried by the free side edge of said second panel for sealing the same in such folded position against the central panel; a removable third panel formed at the other edge of said central panel and adapted to be folded over said second panel; a scored line at the junction of said central and third panels whereby the third panel may be torn off; a flap at one edge of said central panel adapted to be folded over the three panels; a gummed portion along the free edge of the flap for sealing the panels in their folded positions; a horizontal line of perforations extending across the third panel separating it into two portions, one side of the upper portion being gummed whereby it may be torn along the perforated line, be folded around the edge of the central panel, and be pasted thereto for bearing a return address.

2,386,934

ISOMERIZATION OF OLEFINS

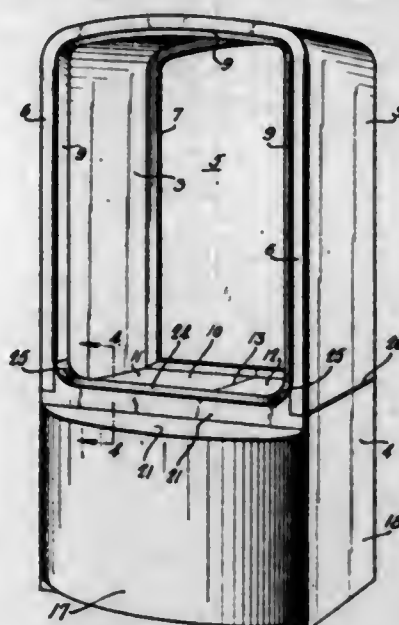
Paul L. Cramer, Highland Park, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

No Drawing. Application July 28, 1943,
Serial No. 496,474

6 Claims. (Cl. 260-683.2)

1. A process of isomerizing a branched-chain olefin having the double bond adjacent to the branch which includes providing a mixture of the branched-chain olefin and concentrated aqueous hydrochloric acid having a concentration ranging from 20% to 37%, said olefin being from 80 to 93 mole per cent and the hydrochloric acid being from 7 to 20 mole per cent, and heating the mixture of the acid and the branched-chain olefin at a temperature on the order of 100° to 200° C. for at least about one hour.

2,386,935
REFRIGERATOR CABINET
Donald E. Dailey, Germantown, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application December 4, 1942, Serial No. 467,895
6 Claims. (Cl. 220-9)



1. A sectional refrigerator cabinet outer shell comprising a lower shell section having front and side wall portions, said front wall portion having its upper edge portion extended to provide an upwardly projecting flange portion, and an upper shell section composed of a single piece of sheet material having integral top, side wall and floor portions defining therewithin a food storage compartment space, said upper shell section floor portion being supported by said lower shell section, and the front edge portion of the top and side walls of the upper shell section being turned inwardly to provide a flange portion, the flange portion of the front wall of the lower shell section lying in the same plane as the flange portion of the upper section and forming in effect a continuation of the latter at the front edge of said floor portion.

2,386,936

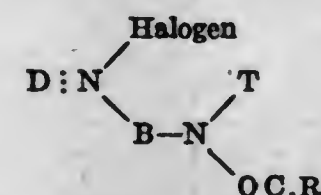
CERTAIN PYRIDINIUM COMPOUNDS AND METHOD OF MAKING THE SAME

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Original application October 20, 1941, Serial No. 415,765, now Patent No. 2,329,702, dated September 21, 1943. Divided and this application June 3, 1943, Serial No. 489,572

8 Claims. (Cl. 260-286)

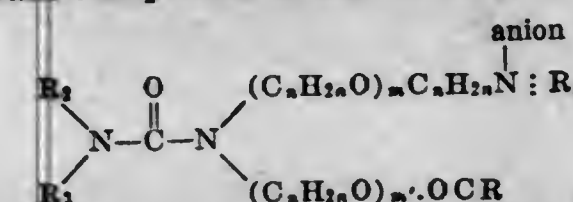
1. A new chemical compound of the following type:



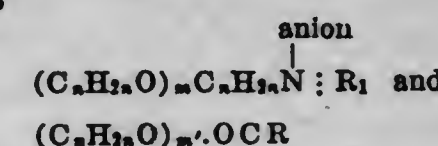
in which B is a divalent aliphatic radical, containing at least three and less than 15 ether linkages; and T is a monovalent hydrocarbon radical having at least 6 and not more than 22 carbon atoms; and R.CO denotes a radical derived from a detergent-forming monocarboxy acid having at least 8 and not more than 32 carbon atoms; and D:N represents a heterocyclic compound of the pyridine series consisting of pyridine, quinoline, isoquinoline, and C-linked methyl homologues thereof.

2,386,937
UREA PYRIDINIUM COMPOUNDS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Original application June 23, 1943, Serial No. 492,183, now Patent No. 2,372,257, dated March 27, 1945. Divided and this application April 7, 1944, Serial No. 530,045
7 Claims. (Cl. 260-295)

1. A new chemical product, comprising an urea pyridinium compound of the formula:



in which RCO is the acyl radical of a monocarboxy detergent-forming acid having at least 8 and not over 32 carbon atoms; R₁N is a heterocyclic radical selected from the class consisting of pyridine radicals, quinoline radicals, isoquinoline radicals, and C-methyl linked homologues thereof; R₂ and R₃ are members of the class consisting of hydrogen atoms, hydrocarbon radicals having less than 8 carbon atoms and selected from the class consisting of alkyl radicals, aryl radicals, aralkyl radicals, alicyclic radicals, and the radicals



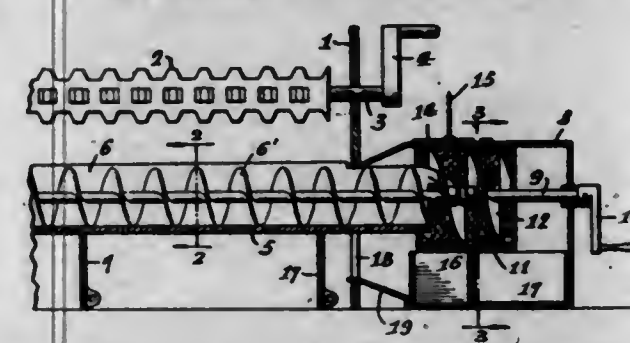
in which *m* represents a small whole number not greater than 10, *n* represents a small whole number greater than one and not greater than 10 and *m'* represents an integer varying from 0 to 10.

2,386,938

ASH REMOVAL AND SIFTING DEVICE

Albert Delean, Kirkland Lake, Ontario, Canada

Application March 13, 1944, Serial No. 526,297
2 Claims. (Cl. 126-244)



1. In combination with a furnace having a grate, a trough beneath said grate, a screw conveyor in said trough, a cylindrical screen forward of said furnace, said conveyor being extended into said screen, a pair of receptacles beneath said screen, a housing enclosing said screen, said housing having an opening adjacent to said screen, an adjustable cover over said opening, said furnace having a draft opening around said conveyor, and a funnel extending from an end of said screen into said draft opening, whereby to conduct air from the first named opening to said draft opening.

2,386,939

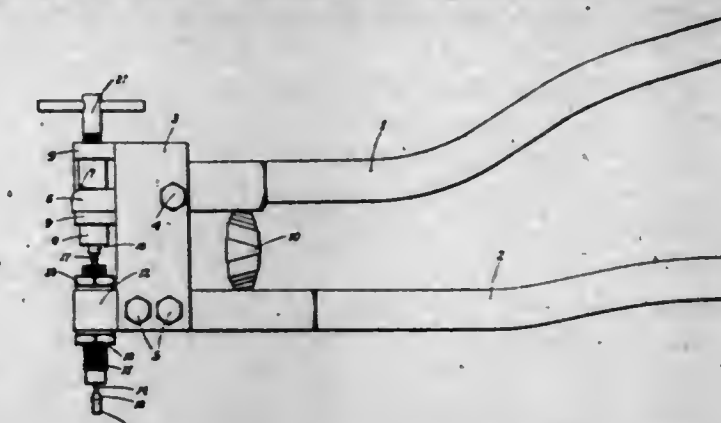
RIVET APPLYING TOOL

John P. Desmet, Modesto, Calif.

Application March 27, 1943, Serial No. 480,779
5 Claims. (Cl. 218-19)

1. A rivet applying tool for a tubular rivet, comprising a pair of handles, means connecting

said handles in pivotal relation adjacent but short of one end thereof, guide means on said handle connecting means adjacent one handle, a plunger arranged for movement through said guide means, the longitudinal axis of said plunger being disposed in a plane intersecting the longitudinal axis of said one handle, means connecting



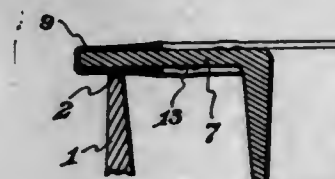
said one handle to said plunger whereby to effect reciprocatory movement of the latter, a rivet engaging die on the other handle in substantially axial alignment with the plunger, a pull rod operatively connected with the inner end of such plunger and extending in the direction of and beyond the die, and a rivet deforming mandrel fixed to the outer end of said rod.

2,386,940

GASKET FOR PRESSURE RELIEF DISK VALVES

Phillips B. Drane, Tulsa, Okla.

Application October 10, 1944, Serial No. 558,029
3 Claims. (Cl. 251-160)



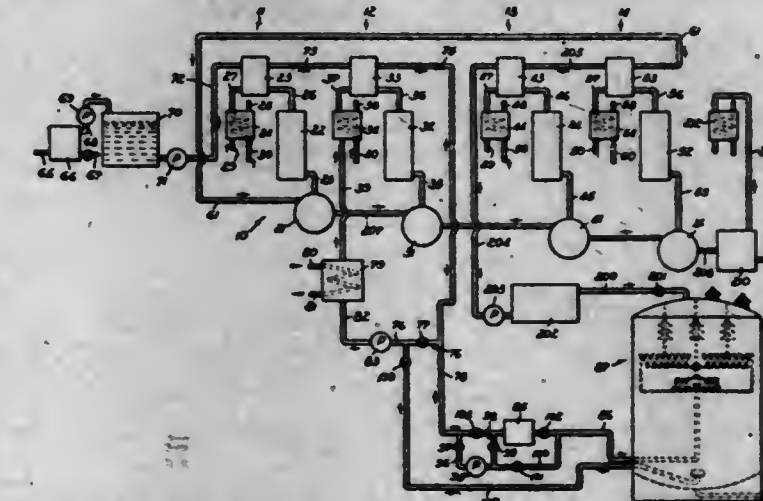
1. The combination with a disk valve, of a channelled contractible gasket surrounding said valve with one of its flanges above and the other below said valve, at least one of said flanges having its free edge stiffened by a bead and lugs carried by the bead and engaging the adjacent surface of the valve for maintaining the bead spaced from the valve.

2,386,941

APPARATUS FOR DESALTING OIL

Harold C. Eddy, Los Angeles, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

Original application January 26, 1937, Serial No. 122,470. Divided and this application December 1, 1939, Serial No. 307,189
6 Claims. (Cl. 204-302)



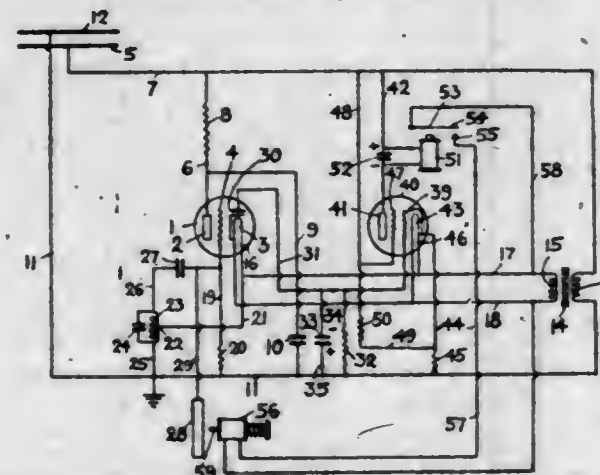
6. Apparatus for purifying mineral oil of low water content, which comprises: separating

means for coalescing and separating the aqueous phase of a water-in-oil type emulsion, said separating means including a tank closed from the atmosphere and containing electrodes for establishing a coalescing electric field in said tank; pipe means for an aqueous medium; pressure means for forcing said aqueous medium through said pipe means; pipe means for said oil; pressure means for forcing said oil through said last-named pipe means, said pipe means for said aqueous medium and said oil having a juncture for commingling streams of said oil and aqueous medium from said pressure means to form a combined stream and providing a conduit for said combined stream; discharge means for discharging a mixed stream into the interior of said tank for treatment in said field, said conduit and said discharge means forming conduit means between said juncture and the interior of said tank, said conduit means having at least one restricted passageway positioned therein and forming a mixing means for mixing said combined stream to form said mixed stream, said restricted passageway being substantially smaller in cross-sectional area than the remainder of said conduit means, said pressure means forcing said combined stream to flow through said conduit means including said mixing means with progressive pressure reduction during such flow, the mixing of the oil and aqueous medium of said combined stream forming said emulsion and being effected exclusively by agitation induced by such flow and this flow being effected exclusively by said pressure means; and means for separately withdrawing aqueous medium containing impurities from said oil and purified oil from said separating means.

2,386,942

ELECTRIC SIGNALING DEVICE

Abraham Edelman, New York, N. Y.
Application March 15, 1944, Serial No. 526,615
7 Claims. (Cl. 177-352)



3. Sound producing device for electric signaling devices of the class described comprising an antenna arranged to produce an audible signal when actuated and to change its capacitance in response to the presence of a body in its vicinity, means for actuating the antenna, and means for rendering said actuating means operative in response to a change of the capacitance of the antenna.

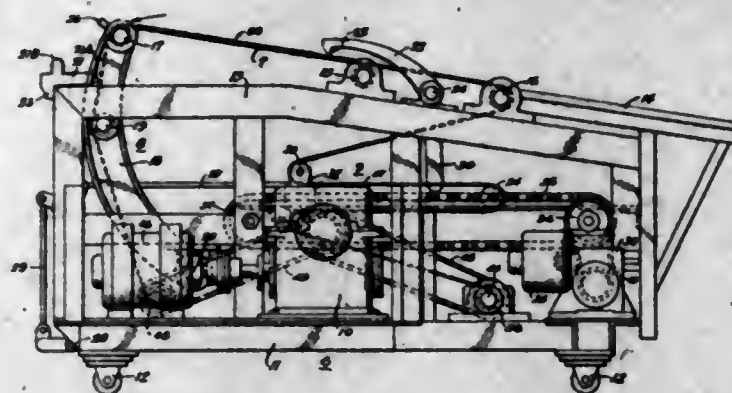
2,386,943

WADDING ROLL TIGHTENER

Charles Albert Fourness, Appleton, and Carl Herman Reichel, Neenah, Wis., assignors to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin
Application July 21, 1943, Serial No. 495,558
14 Claims. (Cl. 100-1)

1. In a machine of the class described the combination of a belt, a pair of supporting rollers

relatively movable toward and away from each other for alternating the contour of said belt intermediate said rollers between a suspended loop and a taut span, means coordinately operable with the relative movement of said supporting

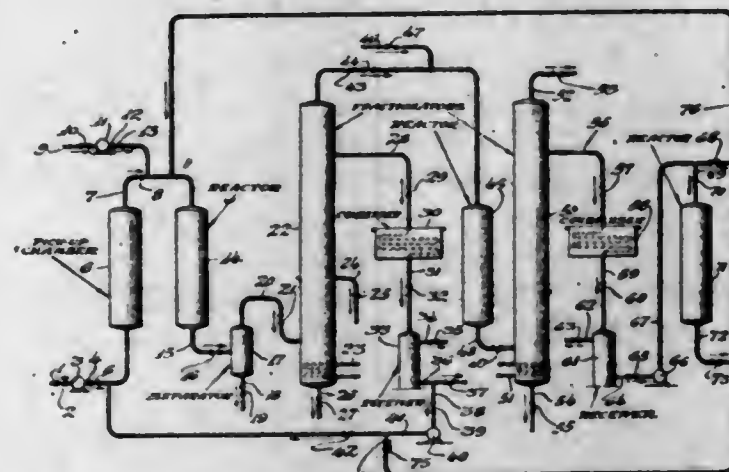


rollers for shifting said belt so as to accelerate alternating the contour of said belt intermediate said rollers, a pair of winding rollers connected to the respective ends of said belt, and means positively actuating said winding rollers for effecting the linear movement of said belt.

2,386,944

METHOD FOR RECOVERING HYDROGEN HALIDE

Bernard S. Friedman, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application May 9, 1942, Serial No. 442,357
6 Claims. (Cl. 260-683.4)



1. In the alkylation of an isoparaffin with an olefin in the presence of an aluminum halide and a hydrogen halide of the middle halogens, wherein there is separated from the conversion products a gaseous mixture containing hydrogen halide and a paraffin of less than 4 carbon atoms to the molecule, the method which comprises adding an olefin to said mixture and reacting the same with the hydrogen halide content of the mixture to form an alkyl halide, separating the alkyl halide thus formed from said paraffin of less than 4 carbon atoms and supplying the same to the alkylating step.

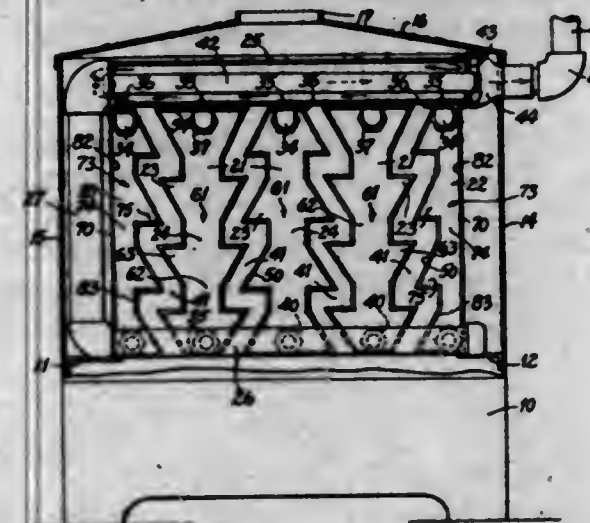
2,386,945

SECTIONAL BOILER

Andrew J. Gallaher, St. Louis, Mo.
Application July 1, 1943, Serial No. 493,146
15 Claims. (Cl. 122-223)

1. A box-like fluid section for a sectional type boiler including a pair of substantially identically formed sheet metal side portions each characterized by a plurality of linear, horizontal, external protuberances and corresponding internal hollow portions, the two said side portions being metallically united as by welding, at top and bottom, substantially along a vertical plane through the section, and provided with intermediate tie-elements extended through

and welded at their ends to the side portions, the section including end closure portions, and the side portions being spaced to provide internally of the section, a passage for fluid having

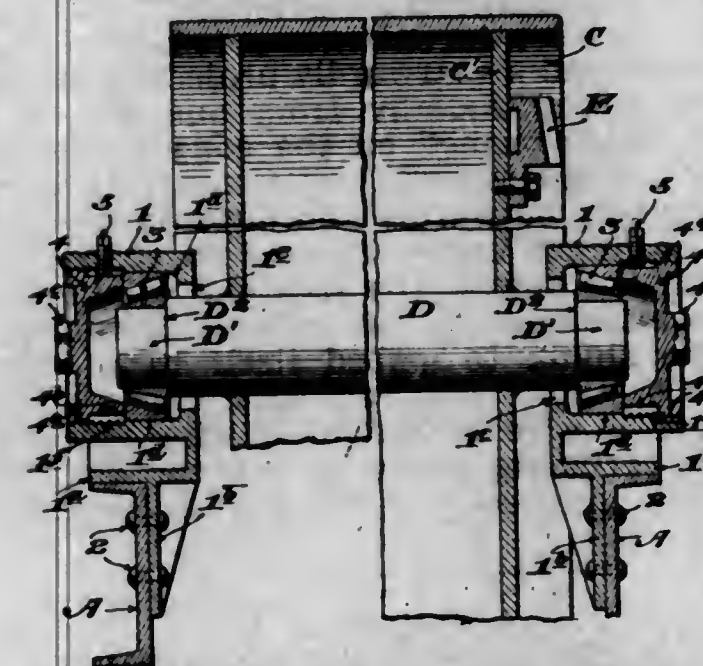


alternately expanded and contracted portions, said spacing further being such that said passage is of substantial width at all points, whereby fluid may circulate fully upwardly and across all parts of the section.

2,386,946

DRIVE ROLL ASSEMBLY

Carl F. Greiner and John F. Harrison, Springfield, Ohio, assignors to The Buffalo-Springfield Roller Co., Springfield, Ohio, a corporation of Ohio
Application June 15, 1942, Serial No. 447,134
15 Claims. (Cl. 180-20)



1. In combination with a road roller of the tandem type having side frames, and having a transmission driving a drive shaft disposed adjacent one side frame, said drive shaft carrying a bevel drive pinion; bearing brackets carried by the side frames; an axle journaled in said brackets; a drive roll fixedly mounted on said axle; a bevel ring gear on the end of said roll meshing with said bevel drive pinion; and means for shifting the axle and roll carried thereon to adjust the clearance between said bevel ring gear and bevel pinion.

2,386,947

CATALYTIC DEHYDROGENATION PROCESS

Karl H. Hachmuth, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application September 20, 1943, Serial No. 503,151
6 Claims. (Cl. 260-683.3)

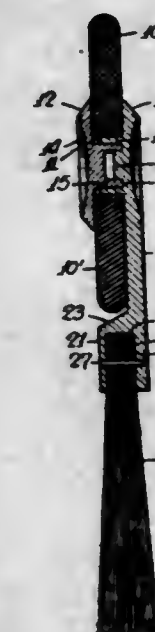
1. A process for catalytically dehydrogenating paraffins to olefins which comprises contacting

the paraffin with a dehydrogenation catalyst under conditions effecting dehydrogenation of said paraffin to the corresponding olefin, initiating said treatment at a high temperature, and as said dehydrogenation proceeds and said catalyst gradually becomes deactivated gradually lowering said temperature from the beginning to the end of the on-stream period.

2,386,948

TYPEWRITER ERASER

Benjamin W. Hanle, Elizabeth, N. J., assignor to Eagle Pencil Company, a corporation of Delaware
Application June 19, 1943, Serial No. 491,569
2 Claims. (Cl. 120-36)

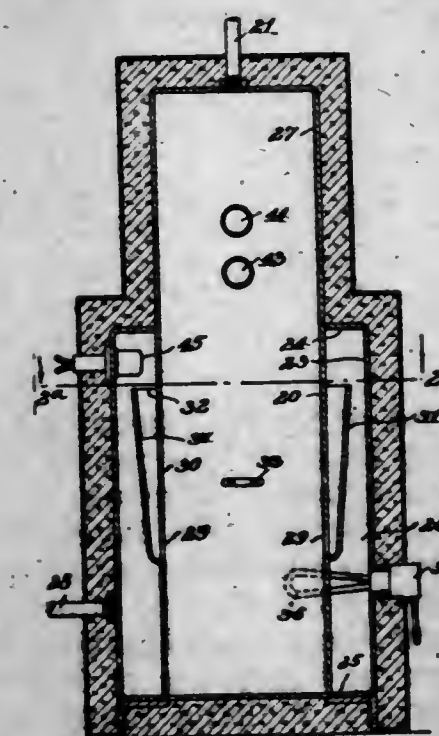


1. A typewriter eraser comprising a centrally perforated eraser disk, and a two-part holder clamp, comprising an imperforate clamp disk head pressed against one face of the disk, having integral therewith a central stud, a companion imperforate clamp disk head pressed against the other face of the eraser disk and having a female stud integral and coaxial therewith and frictionally fitting said central stud.

2,386,949

LIQUID HEATER

Henry W. Hayward, Irondequoit, N. Y.
Application November 9, 1943, Serial No. 509,582
16 Claims. (Cl. 219-39)

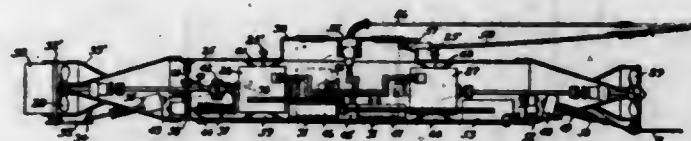


1. A liquid heater comprising a primary storage container having communicating upper and lower portions, said upper portion being adapted

and arranged to store a supply of heated liquid ready for use and having a liquid outlet, a secondary storage container having a liquid inlet, means for heating the liquid in said primary container, said lower portion only of said primary container and said secondary container having common wall surfaces therebetween of substantial extent for transferring heat from the liquid in said lower portion only of said primary container to the liquid in said secondary container to preheat the same, and a connection from the upper portion of said secondary container to said lower portion of said primary container for transmitting thereto the liquid preheated in said secondary container.

2,386,950

MEANS FOR PROTECTING SHIPS AT SEA
Nevil Monroe Hopkins, New York, N. Y.; Raymond B. Hopkins executor of said Nevil Monroe Hopkins, deceased
Application January 20, 1943, Serial No. 473,010
19 Claims. (Cl. 114-240)



1. In combination a submarine tow boat comprising a depth controlling device, a motor for activating a propeller on said tow boat, and means operable from a remote point for energizing said motor and for controlling the movement of said tow boat; and a protective device fashioned to guard the hull of a ship from sea-submerged explosive contrivances, said protective device having a flexible connection with said tow boat whereby to be towed at a considerable distance therebehind, said device provided with hydraulically and electrically actuated means for controlling the depth of said device in the water of the sea.

2,386,951

METHOD OF MAKING BEARINGS
John D. Howe, Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 23, 1942, Serial No. 440,218
5 Claims. (Cl. 29-149.5)



1. The method of making bearings which consists in applying to a ferrous metal back a layer of metal of the group consisting of copper and nickel, applying to the said layer a layer of a metal of the group consisting of silver and copper, machining the bearing to substantially finished dimensions, and heat treating the bearing at temperatures on the order of 600° F. and upward but below the melting point of the metal for approximately one hour to improve the bond between the layers and to soften the said second metal layer and improve its embeddability and frictional properties.

2,386,952

CUTTING OILS

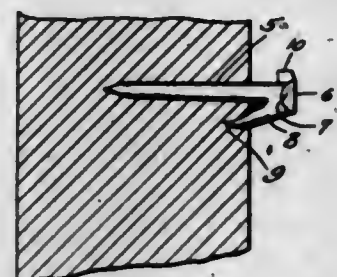
Everett C. Hughes, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application October 22, 1941, Serial No. 416,084
12 Claims. (Cl. 252-48)

5. A process of making a cutting oil, which comprises reacting phosphorus pentasulphide with a mineral oil at 200-450° F. for at least about an hour, then incorporating a long chain fatty acid ester to clear up residual phosphorus pentasulphide and subjecting to reaction temperature.

2,386,953

WIRE FENCE STAPLE

Charles T. Hunt, Murrayville, Ill., assignor of one-half to G. Alfred Edwards, Manchester, Ill.
Application December 27, 1943, Serial No. 515,743
1 Claim. (Cl. 85-49)



A staple comprising a shank having a driving head at one end thereof, the head being formed with enlargements extending from opposite sides thereof, the enlargements having curved inner edges and a rearwardly projecting enlargement extending radially from one end of the head, a finger formed on the edge of the head opposite said rearwardly projecting enlargement and extending outwardly and downwardly therefrom, the finger being disposed in spaced relation with the shank, the free end of the finger being pointed and curved slightly inwardly toward the shank to embed itself in a post in which the staple is driven, said finger adapted to engage a wire strand of a wire fence construction, gripping the wire between the finger and shank, and securing the wire to its supporting post.

2,386,954

PROCESS OF TREATING FRUIT

Arthur F. Kalmar, Riverside, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application March 22, 1943, Serial No. 480,007
9 Claims. (Cl. 99-156)

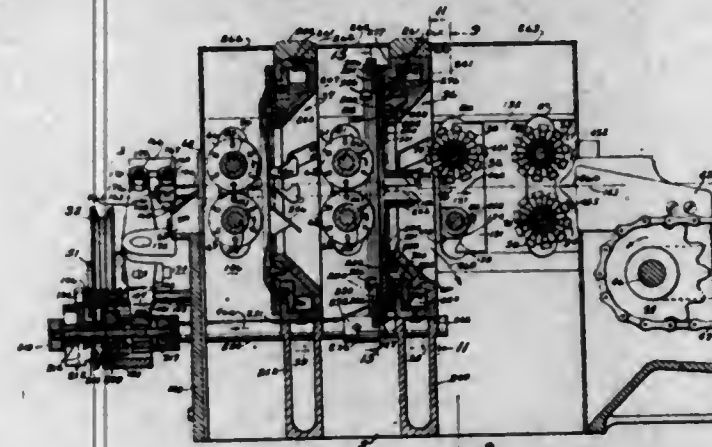


1. A method of protecting fresh whole fruit from decay which comprises: contacting the fruit with an aqueous solution of a hypochlorite of an alkali forming metal, subsequently contacting said fruit with an aqueous solution containing a reducing agent selected from a group consisting of phosphites, sulphites, bisulphites, metabisulphites and thiosulphates of alkali forming metals, and contacting said fruit with an aqueous solution containing a water soluble salt of hydroxy diphenyl.

2,386,955

CORN CUTTER

Charles E. Kerr, Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application November 8, 1943, Serial No. 509,346
26 Claims. (Cl. 130-9)

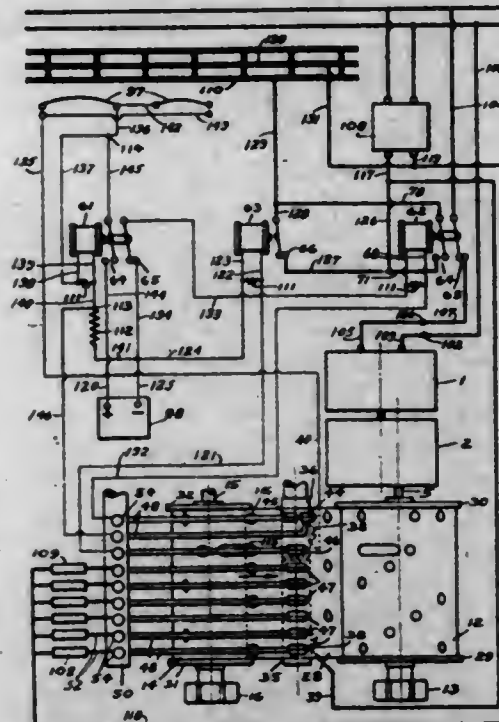


1. A green corn cutting apparatus comprising a rotary knife carrier, a kernel cutting knife mounted on said carrier for movement away from the axis of rotation of the carrier under the influence of centrifugal force, gauging means mounted in advance of said knife for engagement with the surface of an ear of corn delivered endwise to said cutting knife, and means operable by said gauging means to limit the amount of movement of said knife under the influence of centrifugal force in accordance with the diameter of the ear.

2,386,956

PROGRAM TIMER

William Klamp, Lakewood, and Paul Klamp, East Canton, Ohio
Application March 27, 1942, Serial No. 436,394
9 Claims. (Cl. 104-149)



1. A program timer for the automatic control of an electrically controlled apparatus comprising a moving timing element, means for moving said timing element, means for intermittently closing and opening a plurality of electrical contacts by said timing element when in motion, said contacts being adapted to control individually the operation of said apparatus, means for intermittently stopping the timing element, at variable time intervals by the action of one of said contacts, means for maintaining the operation of said apparatus during the time said timing element is stopped, and means for restarting the timing band by the action of said apparatus when the latter reaches a predetermined point of its operating schedule.

2,386,957

DEHYDROCYCLIZATION OF ALIPHATIC HYDROCARBONS

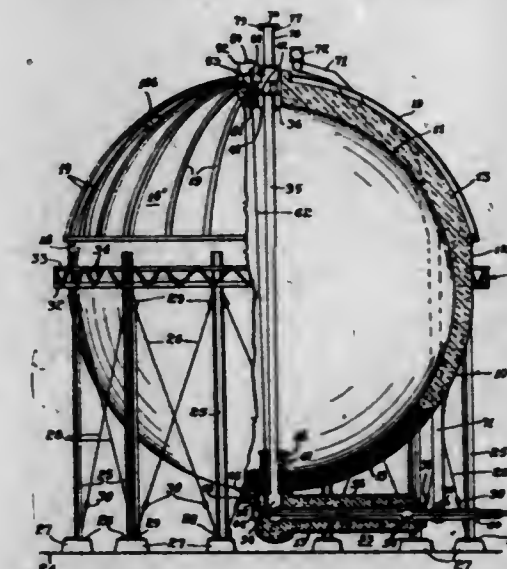
Vladimir N. Ipatieff and Vladimir Haensel, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 24, 1941, Serial No. 424,276
6 Claims. (Cl. 260-673.5)

1. A process for the treatment of an aliphatic hydrocarbon containing at least 6 carbon atoms in straight-chain arrangement to produce substantial yields of aromatic hydrocarbons therefrom which comprises subjecting said aliphatic hydrocarbon to contact with a composite catalyst comprising essentially zinc oxide, copper and alumina.

2,386,958

SPHERICAL TYPE INSULATED CONTAINER FOR LIQUEFIED GASES

James O. Jackson, Crafton, Pa., assignor to Pittsburgh-Des Moines Company, a corporation of Pennsylvania
Application January 8, 1942, Serial No. 426,012
21 Claims. (Cl. 62-1)



1. An insulated container for storing liquefied gas, comprising inner and outer spaced apart metallic shells insulated one from the other, means communicating with the inner shell adjacent its bottom for conveying liquefied gas into and from said shell, a casing having fluid tight connection to the outer shell, extending an appreciable distance from such connection and surrounding and spaced from said liquefied gas conveying means, a vent gas conduit communicating with the interior of the inner shell adjacent its top and having a portion thereof extending through said casing in heat shielding relation to said liquefied gas conveying means, said conduit being of sufficient cross sectional area to provide a free vent for vapors forming within the inner shell above the liquefied gas contained therein, and means for insulating said casing from said conduit and said liquefied gas conveying means.

2,386,959

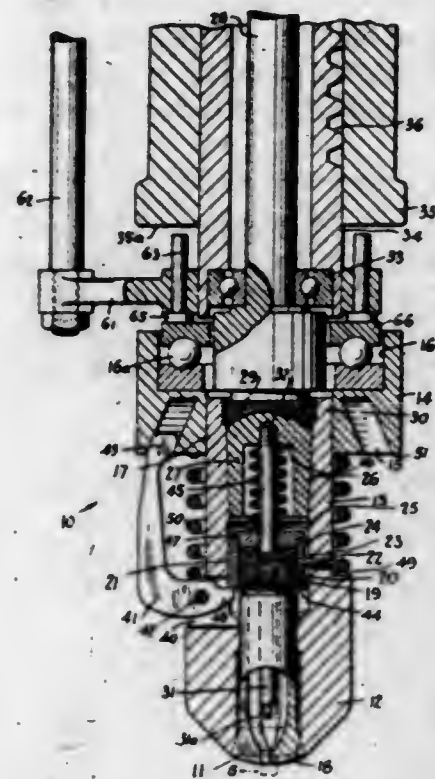
STABILIZATION OF BIS (ALKYLTHIAZYL) DISULPHIDES

Jacob Eden Jansen, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application June 26, 1943, Serial No. 492,454
7 Claims. (Cl. 260-306.5)

1. The method of stabilizing a bis(alkylthiazyl) disulphide which comprises treating a solution

of said disulphide in a water immiscible solvent with a dilute aqueous solution containing up to about 5% by weight of an alkali metal hydroxide, separating said solutions, and separating the purified disulphide from the solvent.

2,386,960
AUTOMATIC CHUCK DEVICE
George Jellinek, Plainfield, N. J.
Application May 6, 1944, Serial No. 534,459
8 Claims. (Cl. 279-51)

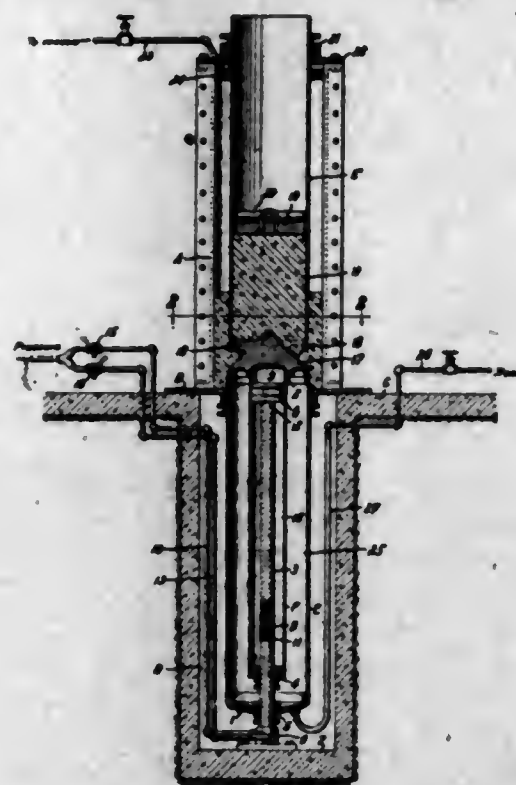


1. A chuck device comprising a hollow head including a reduced shank provided with a bore, a spindle extending into and fixed to said shank, whereby said shank is movable with said spindle, the portion of said spindle fixed to said shank forming a housing having an open end, a helical spring placed in said housing, a collet positioned within said hollow head and adapted to project therebeyond, said collet having an extension guided in the bore of said shank, slide means within said shank to guide said extension therein and closing said open end of said housing, whereby said helical spring abuts against said slide means, a spring-supported collar movable on the outer surface of said shank, means operatively connecting said spindle with said collar, said collar having a converging circular groove, and a guide arm pivoted on said head and abutting with one of its ends against said slide means and extending with the other end into said groove, whereby upon movement of said collar by said spindle against action of its spring support and relatively to said shank, said other end of said guide arm will be retracted in said groove, while the one end thereof releases through said slide means said helical spring, thereby causing said collet to project beyond said head for feeding purposes.

2,386,961
APPARATUS FOR MOLDING TUBULAR CONCRETE BODIES
Simon Lake, Milford, Conn.; Thomas A. E. Lake, administrator of said Simon Lake, deceased
Application January 26, 1944, Serial No. 519,804
7 Claims. (Cl. 25-30)

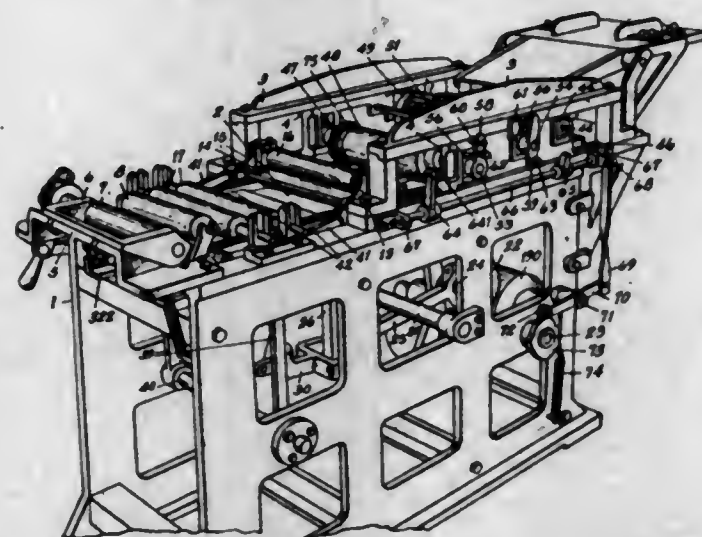
1. Apparatus for molding tubular concrete bodies, including a flask, a tubular core of a length substantially twice that of the flask and reciprocative axially of said flask and serving

therewith to provide a tubular mold space, the interior of substantially one-half the length of said tubular core serving as a receptacle for receiving a batch of concrete mix adequate to form the said tubular body, and means for reciprocating said core, said core being provided substantially midway of its length with means for



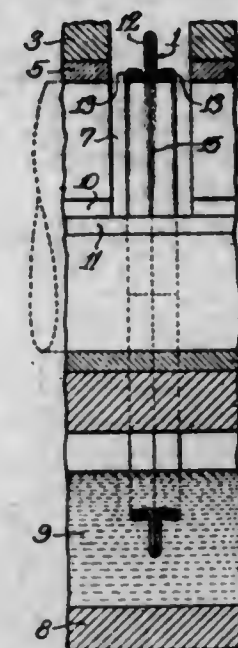
ejecting the concrete of said batch radially outwardly to fill the mold space progressively from the bottom upwardly as the core moves upon its upward reciprocation, the length of said core providing for its contact with the concrete in the mold space throughout the entire molding operation.

2,386,962
PRINTING MACHINE
Charles L. Low, Lee Township, Allegan County, Mich.
Application August 7, 1943, Serial No. 497,738
9 Claims. (Cl. 101-252)



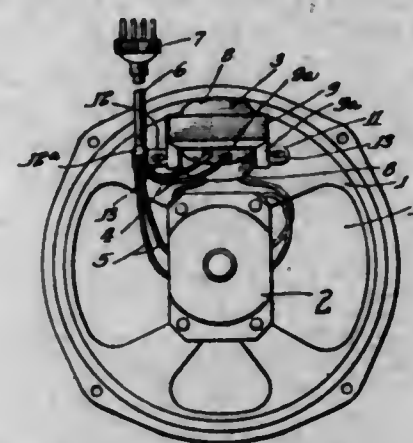
9. In a bed and cylinder machine having a pair of printing member supports simultaneously operable in opposite directions, a flat relief type form and a flat transfer surface mounted in spaced relation to one another on one of said supports, a rotary offset surface and a rotary sheet carrying member on the other support, said offset surface being successively engageable with said form and transfer surface in the relative movement of said supports to pick up an impression from said form and transfer the same to said transfer surface, said sheet carrying member engaging a sheet thereon with said transfer surface whereby said sheet picks up an impression from said transfer surface.

2,386,963
OIL RING
Donald P. Lower, Mishawaka, Ind., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind., a corporation of Indiana
Application February 27, 1943, Serial No. 477,479
5 Claims. (Cl. 308-129)



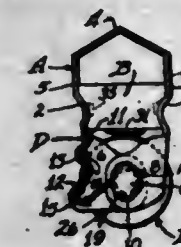
1. An oil ring comprising segmental sections each formed from a single strip of sheet metal folded along a medial arcuate line and flanged concentrically therewith, each section comprising an arcuate rib of folded sheet metal perpendicular to the ring axis, with the fold line of the metal at the outer edge of the rib, and arcuate flanges bent oppositely from the metal layers of the rib, said flanges being bent to give resultant angles of less than ninety degrees between them and said layers so that the ring has two-point contact with the shaft along annular shoulders flanking the oil groove between the metal bends joining said flanges to said layers.

2,386,964
LOUD-SPEAKER
Mildred F. Lucas, St. Charles, Ill., assignor to Operadio Manufacturing Co., St. Charles, Ill., a corporation of Illinois
Application November 15, 1943, Serial No. 510,325
2 Claims. (Cl. 179-115.5)



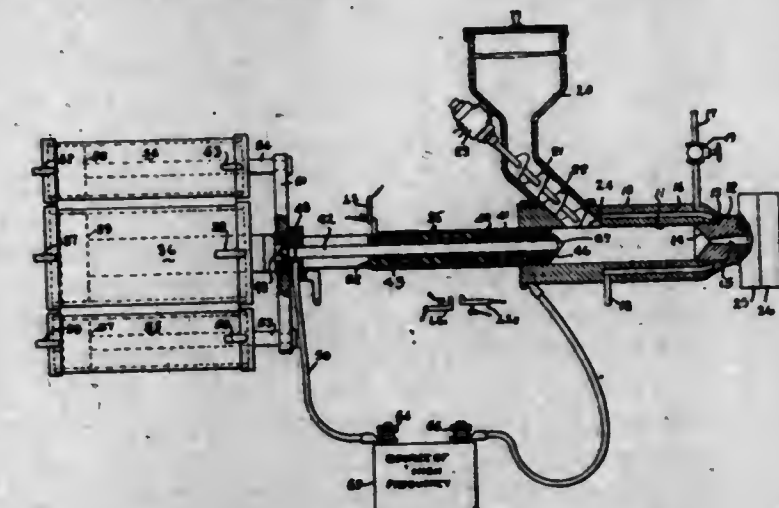
1. In a loudspeaker unit, a transformer with a frame member encompassing said transformer and having perforated lugs with fastening members extending through said lugs and into a part of said unit for securement of the transformer on the unit, and a conductor cable extending from an attachment plug and including lead wires for the transformer, one of said lugs having an integral extension bent around and gripping said cable to support it in proper relation to the transformer.

2,386,965
STAMP ROLLER
Henry S. K. Lui, San Francisco, Calif.
Application September 25, 1942, Serial No. 459,880
6 Claims. (Cl. 101-108)



1. A stamp roller comprising a frame constructed of sheet material formed into a hand-grip portion and shaft-supporting wings, the wings being arranged in pairs at each end of the frame and having aligned openings for receiving a wheel-supporting shaft, the wings of each pair of wings being spaced a slight distance apart, a spring carried by the frame and having its ends slidably received in the space provided between the wings of each pair of wings, a shaft having its ends received in the aligned openings, printing wheels carried by the shaft, and a holder for inking pads mounted in the frame, the spring ends bearing against the shaft for yieldingly holding the wheels out of contact with the pads when the device is not in use.

2,386,966
HIGH-FREQUENCY ELECTROSTATIC HEATING OF PLASTICS
Howard F. MacMillin, Mount Gilead, Ohio, assignor to The Hydraulic Development Corp., Inc., Wilmington, Del., a corporation of Delaware
Application March 10, 1943, Serial No. 478,677
22 Claims. (Cl. 18-30)

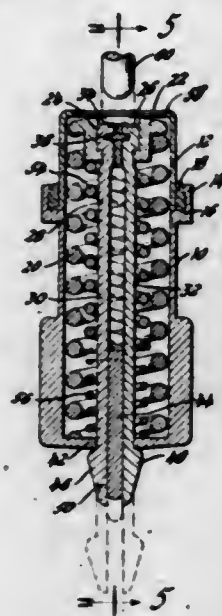


22. An injection machine for injection molding of plastic material including, an injection cylinder, an injection plunger reciprocable therein, an electrode reciprocable within said plunger and electrically insulated from the same, said cylinder and said electrode being adapted to be connected to a source of high frequency, electrode actuating means for positioning said electrode within said cylinder to extend the same beyond said plunger with the end of said electrode positioned from the end wall of said cylinder a distance substantially equal to the radial distance between said cylinder and said electrode whereby a field of high frequency energy can be established therebetween having uniformly acting characteristics for uniformly heating plastic material disposed between said electrode and said cylinder, said electrode actuating means also providing means for positioning the end of said electrode within said cylinder closely adjacent the end wall of said cylinder whereby an intensified zone of high frequency energy may be ob-

tained, means for moving said plunger to move the heated plastic from the injection cylinder through the zone of intensified heating when ejecting the material from the cylinder, and means for withdrawing said electrode from its closely spaced position relative to the end wall of said cylinder prior to completion of the injection stroke of said plunger.

2,386,967 SAFETY CLIP

Joseph L. Mancini, Baltimore, Md., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 8, 1944, Serial No. 539,301
2 Claims. (Cl. 85-5)



1. In a clip for temporarily fastening two sheets of metal together, a housing having openings in both ends, a plunger in the housing projecting from one end thereof, a retainer secured to said plunger in the housing, a coil spring in the housing between one end thereof and the retainer and constantly urging the plunger inwardly of the housing, said plunger being formed of two parts, a spreader between the parts, an extension on the end of the spreader, a coil spring in the housing between the extension and the retainer, a coil spring in the housing between the extension and the end of the housing, and a head on the projecting end of said plunger outside the housing, said retainer adapted to be pushed inwardly of the housing to force the headed end of the plunger away from the housing and away from the spreader therebetween to enable the halves of the plunger outside the housing to approach each other to enable the head to be inserted in mating openings in two overlapping sheets of metal, the release of said retainer causing the two-part head to be drawn toward the housing by the first mentioned spring and to be spread by the spreader, thereby causing the head to be retained on the side of the sheets opposite that to which the clip is applied temporarily to hold the sheets together.

2,386,968 METHOD OF MAKING THERMOPLASTIC COMPOSITIONS AND PRODUCTS OBTAINED THEREBY

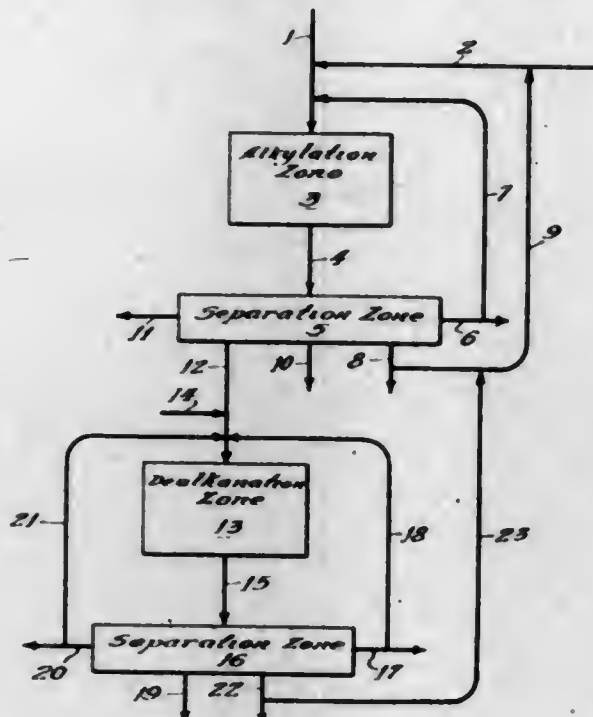
George D. Martin, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application January 12, 1942, Serial No. 426,472
24 Claims. (Cl. 260-770)

13. The method of making a thermoplastic composition of enhanced resistance to swelling

by organic solvents which comprises treating a conjugated butadiene polymer rubber with at least about 50 parts by weight on the rubber of a member of the group consisting of phosphorus pentachloride and phosphorus pentabromide to partially halogenate the rubber and combine phosphorus therewith.

2,386,969 PRODUCTION OF XYLENE

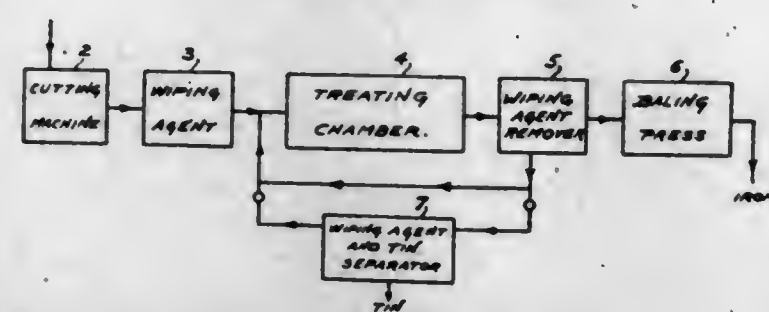
William J. Mattox, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application November 19, 1943, Serial No. 510,885
9 Claims. (Cl. 260-672)



7. A process for producing xylene which comprises contacting di-ethylbenzene with a catalyst comprising an oxide of an element from the left-hand column of group VI of the periodic table at a temperature of from about 400° C. to about 650° C., a pressure of from atmospheric to about 1000 pounds per square inch and an hourly weight space velocity of from about 0.1 to about 5 in the presence of hydrogen in the amount of from about 0.5 to about 15 mols per mol of di-ethylbenzene.

2,386,970 METHOD OF DETINNING

James P. A. McCoy, Milwaukee, Wis., assignor of one-half to Milwaukee Tool & Die Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 22, 1943, Serial No. 476,772
1 Claim. (Cl. 75-64)

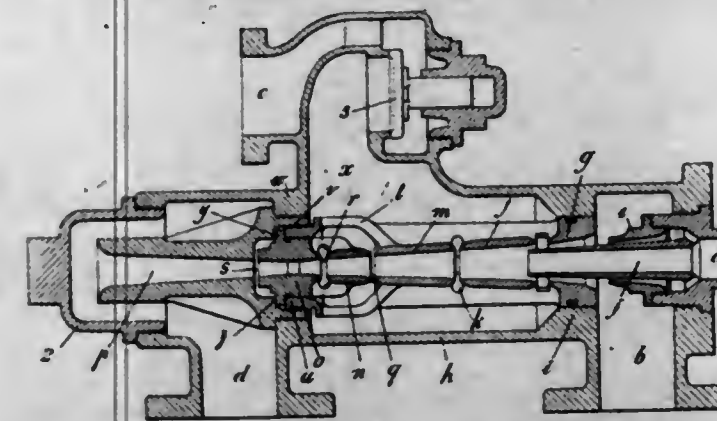


The method of detinning tin coated ferrous metal, which comprises, simultaneously constantly agitating and heating the coated metal to a temperature sufficient to plasticize only the tin coating while subjecting the softened coating to the rubbing action of silica gel in quantities only sufficient to remove the tin and while also maintaining the removed tin constantly concealed from atmosphere within an abundance of wood saw-

dust mixed with the silica gel in quantities sufficient to prevent oxidation of the tin and ferrous metal, and thereafter removing the tin in granulated condition from the mixture of silica gel and saw-dust.

2,386,971 STEAM INJECTOR

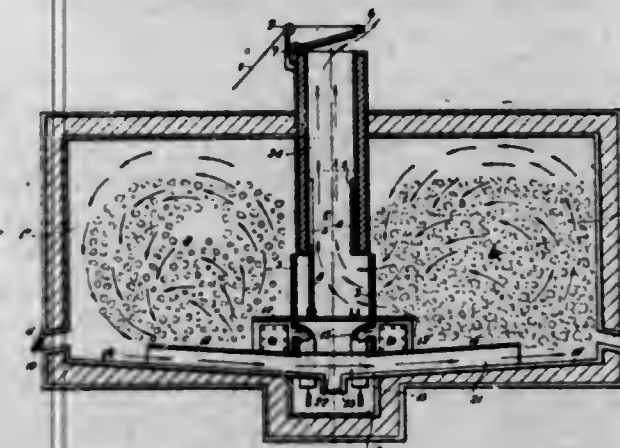
Richard David Metcalfe and James Croxon Metcalfe, Romiley, England, assignors to Davies & Metcalfe Limited, Romiley, England, a British company
Application March 27, 1945, Serial No. 585,094
In Great Britain July 17, 1944
3 Claims. (Cl. 103-264)



1. In a steam injector, a casing, a delivery nozzle in said casing having a diverging delivery end and a portion forming a throat, a combining nozzle having a first portion and an end portion so arranged with respect to the throat portion of the delivery nozzle as will provide a main overflow gap, the throat portion and the end portion including said overflow gap constituting a unitary structure removably secured between the first portion of the combining nozzle and the divergent delivery end of the delivery nozzle.

2,386,972 FURNACE FOR PRODUCING WOOD CHARCOAL

Curt Meyer, Buenos Aires, Argentina
Application December 22, 1943, Serial No. 515,293
In Paraguay November 17, 1943
5 Claims. (Cl. 202-89)

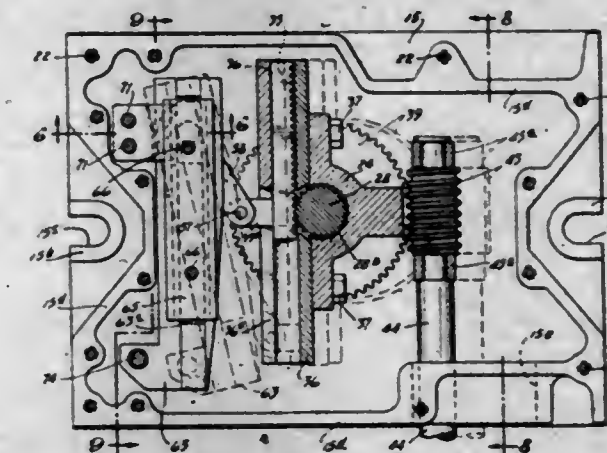


1. A wood charring furnace comprising twin charring chambers communicating with each other both at the top and at the bottom thereof, a gate for closing at least the communication at the upper portion of said chambers, said chambers having air intakes with corresponding dampers a fireplace in each chamber for initial ignition, said chambers having a chimney and means for closing the draft to said chimney and a cover for closing said chimney, said chambers having a floor sloping towards a collector for by-products, said floor, by means of a slab supported between partitions, forming conduits leading towards the middle line and having a common intermediate passage, the conduits of both chambers communicating with each other.

579 O. G. -29

2,386,973 CAM MAKING MACHINE

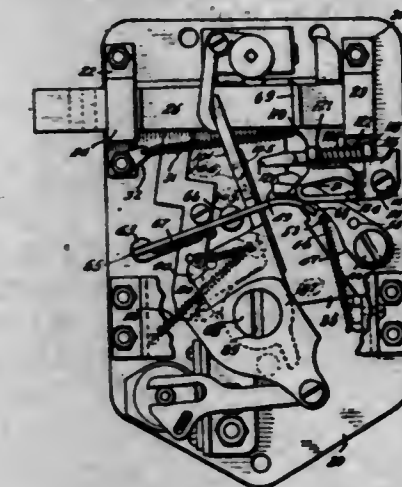
Otto Mieth, Minneapolis, Minn.
Application November 12, 1943, Serial No. 510,045
6 Claims. (Cl. 90-13.9)



1. A device for shaping cams or similar articles having in combination, a supporting frame, a rotatable means for holding the cam, a movable member carrying said means and guided for rectilinear movement on the frame, means carried by said member for rotating said means, a fixed member having an adjustable guideway therein, a link movable in said guideway and pivotally connected to said movable member to move the same, and means for rotating said first mentioned means and moving said link to move said movable member as said cam is rotated.

2,386,974 COIN CONTROLLED MECHANISM

Harry L. Neer, Beech Grove, and Clifford H. Wasson, Indianapolis, Ind., and Raymond L. Neer, Jacksonville, Fla., assignors to Nik-O-Lok Company, Indianapolis, Ind., a corporation of Indiana
Original application August 6, 1941, Serial No. 405,584, now Patent No. 2,370,370, dated February 27, 1945. Divided and this application March 25, 1943, Serial No. 480,444
11 Claims. (Cl. 194-97)

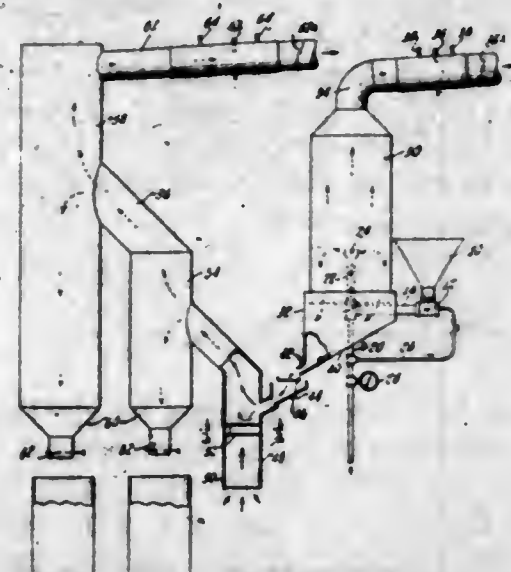


1. In a coin controlled mechanism including a coin receiver to transport a coin from a receiving position to a normal discharge position, and having coin supporting means associated therewith, means including a small nosed element for discharging certain slugs which may be in said receiver prior to the receiver reaching said normal discharge position, and speed increasing leverage means connecting said receiver with said element to actuate said element through a large range by a slight range of movement of said coin receiver, whereby said element is caused to move with a velocity greater than that of said receiver and to sweep across the surface of an object supported by said coin receiver, if it be a coin, or to discharge said object from the receiver, if it be a slug formed with a sharp contour variation on its face engaged by said element.

2,386,975

APPARATUS FOR RECOVERING WASTE MATERIALS

Gale T. Pearce and Grover C. Rhodes, Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application June 27, 1941, Serial No. 400,126
6 Claims. (Cl. 241-40)

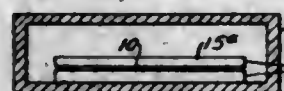


1. An apparatus for separating discrete particles from a mixture of fibre and particles, comprising a nozzle for a fluid jet, a conical baffle including an apex spaced from and in line with said nozzle, a housing surrounding said nozzle and leading to a point adjacent said baffle, said baffle overlying the adjacent end of said housing, means for supplying a fluid medium under pressure to said nozzle, and fluid pressure means supplied from said first-mentioned means for conveying a mixture of particles and fibres into position to be impelled against said baffle by the jet issuing from said nozzle.

2,386,976

METHOD OF FLATTENING CURLY POLYMERIZED STYRENE SHEETS

John P. Putnam, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a corporation of Maine
Application October 14, 1943, Serial No. 506,278
1 Claim. (Cl. 18-48)

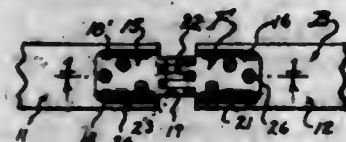


Method of permanently flattening a sheet of polymerized styrene which is so thin that it normally curls up, which comprises subjecting said sheet for several hours to a temperature of approximately 170° F. while placed between plates sufficiently light in weight to prevent cold flow of the sheet material, and causing said sheet gradually to cool substantially to room temperature over a period of several hours while between said plates.

2,386,977

FASTENER FOR BELTS

William P. Reilly, Menomonee Falls, and Charles W. Tingley, Milwaukee, Wis.
Application December 22, 1943, Serial No. 515,274
4 Claims. (Cl. 24-33)



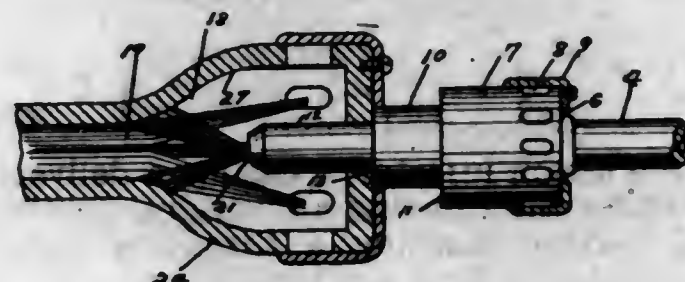
1. A fastener for connecting the ends of a belt together comprising a pair of companion sec-

tions, each of said sections including a U shaped member having inner and outer leaves and a connecting hinge barrel, the hinge barrel of one section being adapted to interfit with the hinge barrel of the other section, a rocker pin operatively connecting the hinge barrels of the companion sections, the inner leaf of each section being of a less width than the outer leaf and being adapted to be inserted in the material of a belt end, and screws adapted to be inserted into the belt material through the leaves for drawing said leaves toward one another into gripping contact with the belt material, the outer leaves being arched transversely to accommodate the belt material displaced by the insertion of the narrow inner leaves into the belt ends.

2,386,978

GAS GENERATING BURNER

Charles L. Ruhl, Dallas, Tex.
Application October 20, 1941, Serial No. 415,805
1 Claim. (Cl. 158-118)



In a device as set forth, the combination with a first mixing head having an interior wall curved inwardly and then convexly in the direction of flow and forming a mixing chamber which is provided with orifices providing air ports, means for regulating said orifices, a gas supply means extending axially into said chamber to a position short of said convex portion, an extension leading from the mixing head having two channels, the first converging from the mixing chamber and the second expanding from the converging channel to the outer end of said extension, the curved wall of the mixing chamber serving to intermix the gas and air before entering the channel where it is converged and then released through the expanding channel as a jet, a second mixing chamber having a wall curved corresponding to the curvature of the wall of the first named mixing chamber, said extension projecting into said second chamber to a position short of said convex portion whereby said jet enters said second mixing chamber.

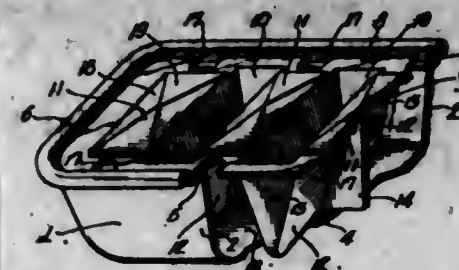
2,386,979

PLASTIC ICE TRAY GRID

Theodore W. Rundell, Abington, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application December 24, 1943, Serial No. 515,558
7 Claims. (Cl. 62-108.5)

1. Ice molding means of the character described, comprising an ice tray having a marginal flange, a combination grid-and-cover member cooperative with the tray to form within the

latter confined areas constituting individual freezing compartments, a marginal edge portion of said member being arranged for engagement



with the flange of said tray and having therein means affording access to said areas for introduction of a liquid medium.

2,386,980

MANUFACTURE OF LAMINATED SAFETY GLASS

Joseph D. Ryan, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application January 31, 1940, Serial No. 316,615
1 Claim. (Cl. 154-2.71)

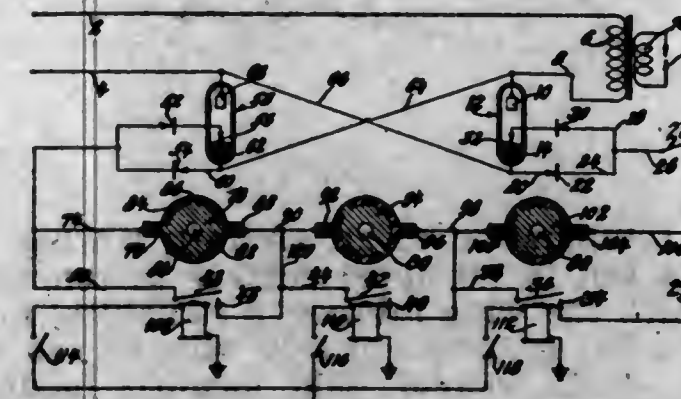


The method of treating a glass-plastic sandwich in the manufacture of laminated safety glass to prevent blow-ins during autoclaving, comprising assembling two sheets of glass and an interposed layer of synthetic resin plastic material of substantially the same shape and size as each of the glass sheets to form a sandwich, subjecting said sandwich to a preliminary pressing operation, applying a relatively thin temporary, protective surface coating of a non-oil permeable lacquer having a cellulose derivative base over those portions of the edges of the glass sheets and plastic interlayer which were not properly closed by the prepress operation, subjecting the sandwich after such coating to the direct action of an oil under pressure in an autoclave to effect the final compositing of the glass and plastic laminations into a unitary structure, and then removing the temporary, protective coating from the edges of said structure after autoclaving.

2,386,981

ELECTRIC CONTROL SYSTEM

Karl Sarafian, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 29, 1943, Serial No. 488,950
6 Claims. (Cl. 250-27)



1. In a control system, a load, a source of power, a pair of arc discharge devices connected in inverse relation between the source and load, igniting means for the devices and a plurality

of commutator brush assemblies connected to the igniting means to selectively control the instant of ignition of the arc discharge devices to in turn control the power delivered to the load.

2,386,982

ALKYLATION OF AROMATIC COMPOUNDS

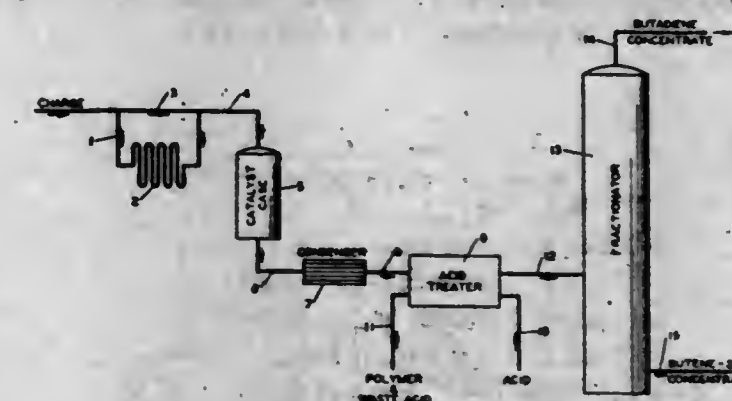
Raymond E. Schaad, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application February 20, 1942, Serial No. 431,666
16 Claims. (Cl. 260-671)

1. A process for producing aromatic compounds having a higher number of carbon atoms per molecule than the aromatic compound from which they are derived which comprises subjecting an aromatic compound to contact with an alkoxy compound under alkylating conditions in the presence of a catalyst containing an acid phosphate of an alkaline earth metal.

2,386,983

PROCESS FOR THE TREATMENT OF HYDROCARBONS

Walter A. Schulse and John C. Hillier, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application December 10, 1940, Serial No. 369,490
14 Claims. (Cl. 260-680)



1. A process for the separation of butadiene from a C₄ hydrocarbon mixture comprising n-butane, butadiene, isobutane, butene-1 and isobutene, which comprises fractionating said mixture to remove isobutane, contacting the delisobutanized mixture with an isomerization catalyst under suitable conditions to convert butene-1 to butene-2, selectively removing the isobutene from the effluents of the isomerization treatment and subjecting the substantially isobutene free mixture to fractional distillation to produce an overhead fraction comprising butadiene and a bottoms fraction comprising n-butane and butene-2.

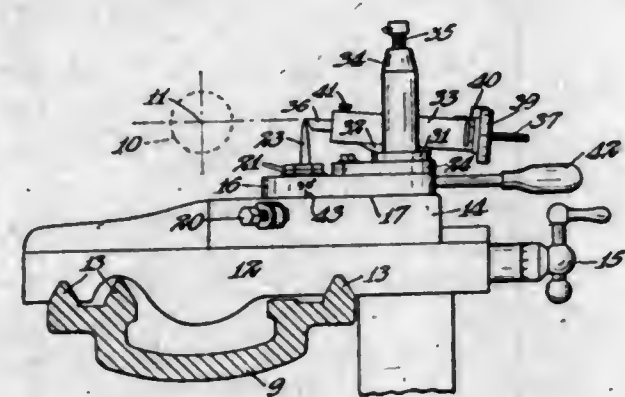
2,386,984

RADIUS CUTTER ATTACHMENT FOR LATHES

Bert S. Scott, St. Paul, Minn.
Application February 19, 1943, Serial No. 476,409
6 Claims. (Cl. 82-12)

4. In an attachment for a lathe having a cross feed carriage and a horizontal top surface formed on said carriage, a tool base supported on said surface, pivot means connecting said base to said carriage and permitting oscillation of the base about a vertical axis, said pivot means and the adjacent portion of the base being formed to pass beneath work extending along the lathe axis of rotation and said cross feed carriage being operable to move said base and pivot means crossways of the lathe axis of rotation to various positions, a tool post mounted on said base eccen-

trically to said pivot means, a tool projecting laterally from said post, means for moving said tool radially of said pivot means and a gauge pin attachable to said base, extending upward along



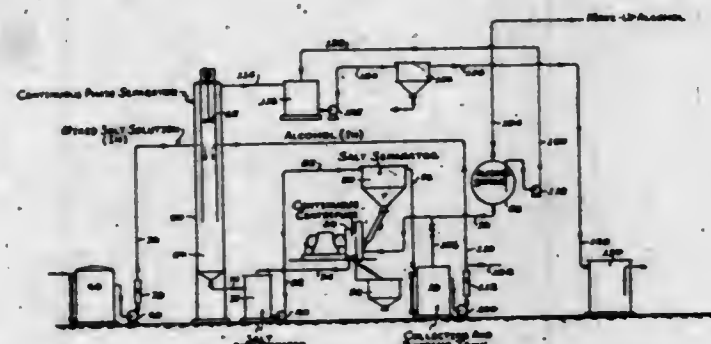
said vertical axis and having its upper end at the elevation of the lathe axis to facilitate the accurate location of said tool relative to the lathe axis of rotation.

2,386,985

PROCESS FOR THE RECOVERY OF AMMONIUM THIOSULPHATE AND THIOCYANATE

Joseph A. Shaw, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Incorporated, Pittsburgh, Pa., a corporation of Delaware

Application October 11, 1944, Serial No. 558,262
9 Claims. (Cl. 23-75)



4. A process for the separation and recovery, in substantially pure form, of ammonium thio-cyanate and ammonium thiosulphate of aqueous gas liquors, comprising the steps of: evaporating such gas liquor to obtain a concentrated solution of the said salts; flowing alcohol into the said solution until a separate, liquid phase settles out thereby forming a two-phase system of two liquids only, a supernatant predominantly alcoholic layer containing a major portion of the thiocyanate and a lower predominantly aqueous layer containing a major portion of the thiosulphate; separating the two liquid phases and treating each phase out of contact with the other with a further quantity of alcohol to precipitate the thiosulphate content of each said phase; washing the so-precipitated salt from the predominantly aqueous phase with additional quantity of alcohol to provide substantially pure ammonium thiosulphate; flowing the alcohol of the said washing steps into further quantities of concentrated solution; returning precipitated salt from the predominantly alcoholic phase to the first said step; distilling the said alcoholic phase for recovery of its alcohol content, thereby providing a distillate of alcohol which can be returned in the cycle of the process and an aqueous distillation residue which contains ammonium thiocyanate; filtering and evaporating the said residue; and crystallizing from the concentrated filtrate substantially pure ammonium thiocyanate.

2,386,986 SHADE MOUNTING FOR OUTSWINGING WINDOWS

Clifford H. Shirley, Nutley, N. J., assignor to The Columbia Mills, Inc., New York, N. Y., a corporation of New York
Application February 26, 1944, Serial No. 524,118
2 Claims. (Cl. 160-27)

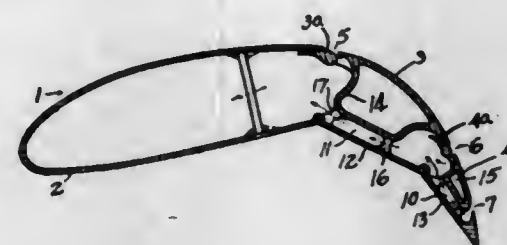


2. In combination with a window frame having outswinging sash hingedly connected at its upper edge, a compartment provided above the head jamb of the frame, a spring tensioned roller journaled in the compartment, a shade mounted on said roller, a longitudinally disposed slit provided in the head jamb and through which the unwound free end of the shade depends, a smooth surfaced shoe attached to one edge of the shade slit and over which the shade slides as the roller is operated, and anchoring means provided on the lower end of the hinged sash and to which the free swinging end of the shade is detachably connected to form an awning when the window is swung and secured in open position.

2,386,987
AIRCRAFT

Edward A. Stalker, Bay City, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

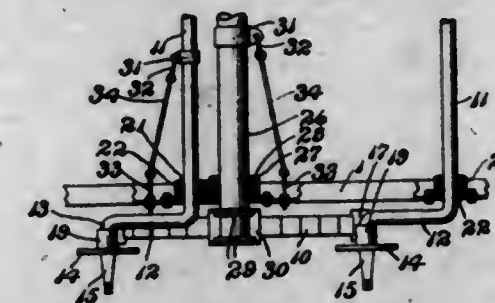
Application June 7, 1943, Serial No. 489,921
6 Claims. (Cl. 244-42)



1. In combination in an aircraft, a wing flap having a slot in its upper surface in communication with the wing interior, a structural member extending spanwise of said wing flap to support the walls thereof, said member having a hollow cross section occupying a major portion of the depth of the flap and being spaced from the adjacent wall of the flap to define a passage communicating with said slot, and means for producing a flow of air through said slot and said passage.

2,386,988 TRAILER SUSPENSION

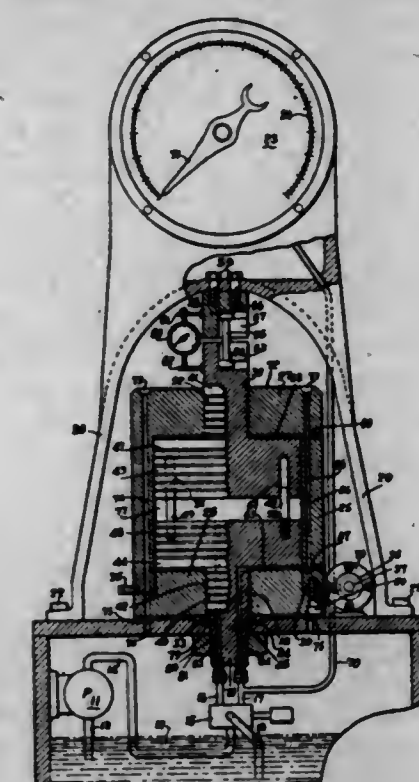
Mathew D. Sullivan, Flint, Mich.
Application November 25, 1942, Serial No. 466,881
4 Claims. (Cl. 280-104.5)



1. A frame having two spaced apart substantially horizontal frame members, a shaft located transversely of the frame members and at each end extending a short distance beyond the outer sides thereof, arms permanently connected with the ends of the shaft and located at right angles thereto, wheel carrying axles permanently connected to the outer ends of said arms and extending outwardly therefrom, wheels rotatably mounted on said axles, spring means interposed between said arms and the chassis frame members, and a link assembly comprising a plurality of pivotally connected links connected at one end to each of the chassis frame members and extending inwardly therefrom and connected at opposite ends to said shaft.

2,386,989 PRECISION PULL-BAR TESTING APPARATUS

Otto M. Summers, Mount Gilead, Ohio, assignor to The Hydraulic Development Corp., Inc., Wilmington, Del., a corporation of Delaware
Application July 5, 1943, Serial No. 493,506
11 Claims. (Cl. 73-97)

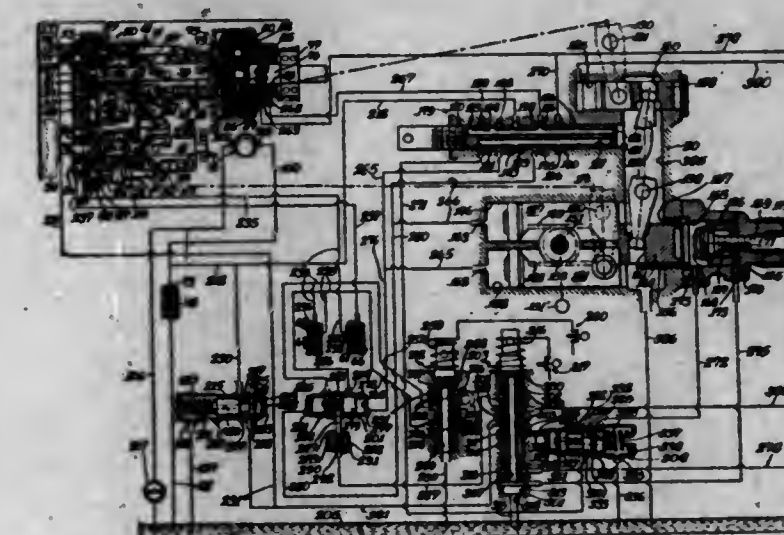


6. A testing machine comprising, a closed rotatable cylinder having axially apertured end walls, bearing means rotatably supporting said cylinder, means for rotating said cylinder, a pair of piston means positioned within said cylinder and having shaft means of smaller size than the piston extending through said apertures, means fixedly mounting one of said piston and shaft means with respect to said cylinder, said other piston and shaft means being reciprocable within said cylinder, a stationary member associated with said shaft means of said reciprocable piston means, said stationary member and said shaft

means of said reciprocable piston means being adapted to receive opposite ends of an article to be tested, means for exhausting fluid from between said piston means, means for conducting fluid under pressure to between the end walls of said cylinder for application upon opposed equal surfaces of said pistons thereadjacent whereby to balance the axial forces in said cylinder and substantially eliminate the thrust load on said bearing means and move said reciprocable piston within said cylinder to apply power upon said article, an indicating instrument, means for transmitting fluid pressure that is applied upon said pistons to said indicating instrument for indicating the power applied upon said article, and indicating means extending between said stationary member and said shaft of said reciprocable piston to indicate the elongation of the article when power is applied thereto.

2,386,990 HYDRAULIC SYSTEM

Arthur H. Swenson and Phillip A. Anderson, Rockford, Ill., assignors to Sundstrand Machine Tool Co., Rockford, Ill., a corporation of Illinois
Application July 8, 1942, Serial No. 450,134
18 Claims. (Cl. 60-53)



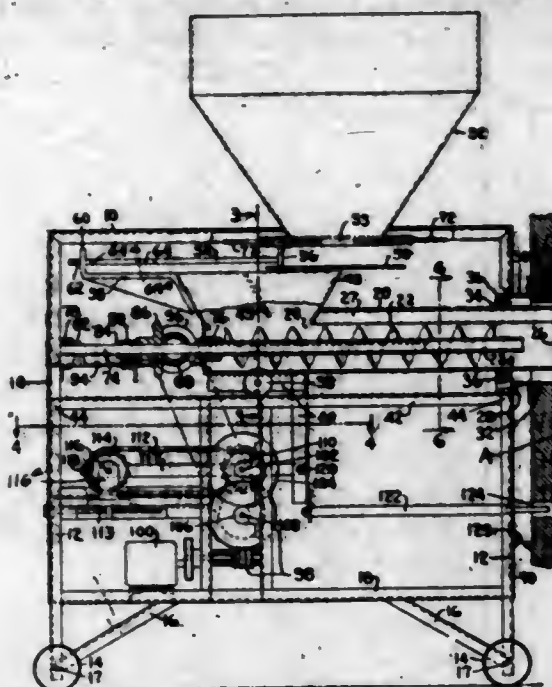
1. In a system for motivating a support, motivating means for driving the support, means controlling the motivating means to drive the support at predetermined rates within the range of the motivating means, power operated means for actuating said control means to obtain said predetermined rates, and manual means alternatively operable to actuate said control means to obtain movement of the support at any rate throughout the range without limitation to the predetermined rates.

2,386,991 FUEL FEEDING APPARATUS

Frank Eugene Thomes, South Portland, Maine
Application January 1, 1943, Serial No. 471,059
17 Claims. (Cl. 214-26)

1. Fuel feeding apparatus including a solid fuel conveyor having an outlet, a screw comprising a part of said conveyor operative to advance fuel to said outlet, means for reciprocating said conveyor and screw axially of said screw and for rotating said screw during such reciprocatory movement, and means for introducing separated charges of fuel into said conveyor at different positions of said conveyor; the latter said means comprising a fuel receiving platform and means responsive to movements of the conveyor for forcing a charge of fuel off one end of the platform

after a predetermined travel of the conveyor in one direction, and for forcing a charge of fuel

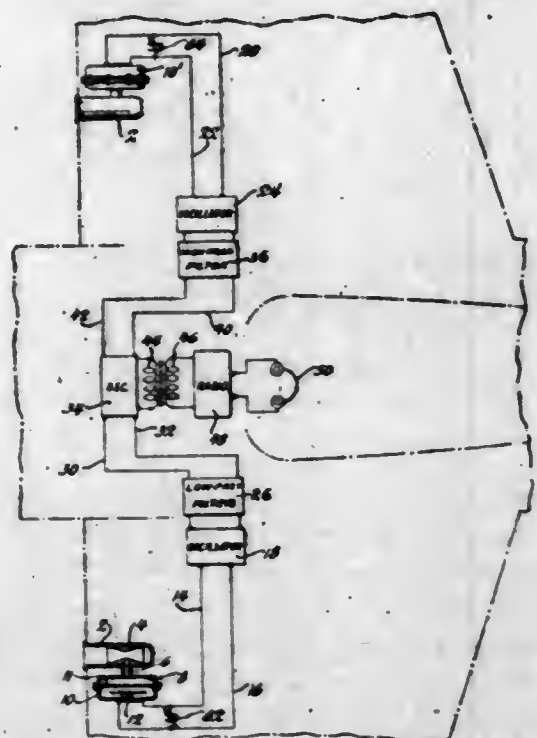


off the other end of the platform after a predetermined travel of the conveyor in the opposite direction.

2,386,992

AUDIBLE STALL INDICATOR

Winfield James Trott, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 7, 1942, Serial No. 468,087
8 Claims. (Cl. 177-311)



3. In a signaling system, a movable body, a pair of tunable oscillators mounted on the body, means responsive to body speed to tune the oscillators in inverse relation whereby as the speed of the body changes the frequency of one oscillator will increase and the other will decrease, audible means connected to both oscillators and coupling means between each oscillator and the audible means having slightly displaced peaked response curves whereby the amplitude of each sound will be louder at certain predetermined speeds than at others.

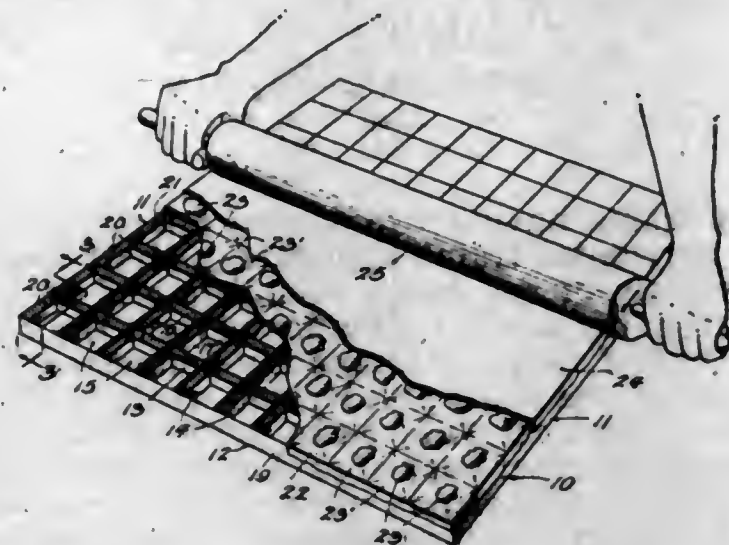
2,386,993

METHOD OF AND APPARATUS FOR MAKING RAVIOLI

Mario Valdastrì, Sr., Kailua, Island of Oahu, Territory of Hawaii
Application July 5, 1944, Serial No. 543,568
3 Claims. (Cl. 107-54)

3. The method of forming ravioli, comprising arranging a layer of dough generally horizontally

and supporting in a downwardly inclined manner portions of the layer for providing downwardly inclined marginal face portions, forming depressed pockets in the supported portions, arranging fillings within the pockets, applying an upper layer of dough to the supported downwardly inclined marginal face portions, subjecting the upper layer to a rolling action and a downward pressure for forming contacting faces



while forming interfitting ribs upon the contacting faces which extend transversely of the faces, severing the superposed layers at the outer edge of the contacting faces, subjecting the severed superposed layers to a jarring action to free the same from the downwardly inclined supporting action, and separating out the formed ravioli by a downward movement from the supported position by the action of gravity.

2,386,994

METHOD OF PRODUCING DEXTRAN ACETATE

William Allshire Waldie, Oakwood, Ohio, and John Edward Bersuder, Warren, Pa., assignors to Chemical Developments Corporation, Dayton, Ohio, a corporation of Ohio
No Drawing. Original application May 20, 1940, Serial No. 336,193. Divided and this application October 28, 1943, Serial No. 508,068
2 Claims. (Cl. 195-12)

2. In a method of producing dextran acetate, the steps of synthesizing the polysaccharide from a sucrose medium by a bacterium selected from the group consisting of *Leuconostoc mesenteroides* and *Leuconostoc dextranicum*, heating the resulting fermented culture medium with a mixture of acetic anhydride, glacial acetic acid, and a catalyst consisting of one of the group sulfuric acid, phosphoric acid, and mixtures of phosphoric acid and sulfuric acid, to approximately 90° C. for about two hours until the reaction is substantially completed, and thereafter separating dextran acetate therefrom, the ratio of acetic anhydride to glacial acetic acid being substantially 4:1 and the catalyst being present in amount from 0.003% to 0.01%.

2,386,995

SYNTHETIC SPONGY MATERIAL

Voorhis F. Wigal, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application February 28, 1942, Serial No. 432,798
29 Claims. (Cl. 260-36)

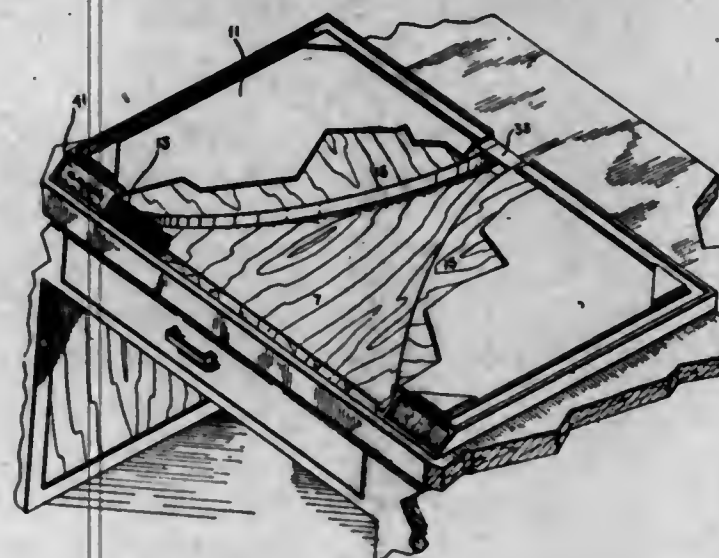
1. In the process of making a synthetic thermoplastic spongy material by forming pores in a plasticized high molecular weight linear poly-

mer, said polymer being made by the polymerization of a monomeric material consisting substantially of vinyl chloride, the steps which comprise plasticizing said polymer with from 10% to 90% of the total plasticizer necessary for the sponge, and dispersing the remainder of the plasticizer in the composition without substantial plasticizing effect, prior to the formation of the pores.

2,386,996

SOUND TRANSLATING APPARATUS

Alfred L. W. Williams, Cleveland Heights, Ohio, assignor to The Bquash Development Company, Cleveland, Ohio, a corporation of Ohio
Application August 28, 1942, Serial No. 456,529
6 Claims. (Cl. 181-27)

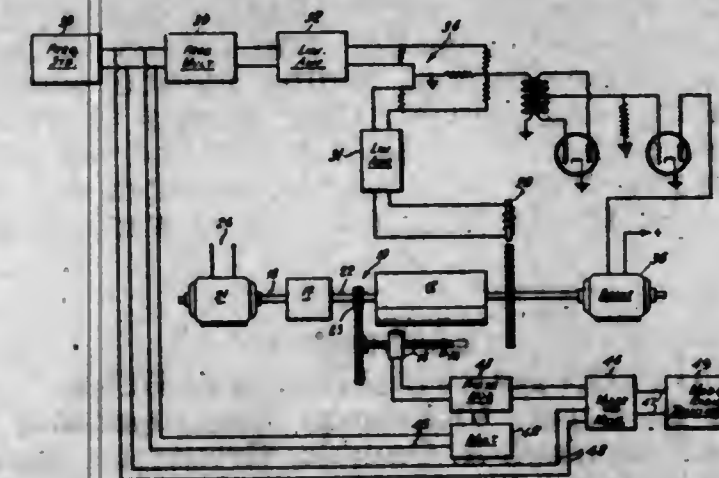


1. A transducer horn comprising a base member on the order of 1/4 of an inch in thickness and whose thickness is small compared to its other dimensions, said base having a hollow space adapted to receive a horizontally positioned transducer, a flat top portion spaced about 1/2 of an inch from said base member, and spacer means positioned between and connected to said base member and said flat top portion, said spacer means having wall surfaces defining an exponentially flared channel from said hollow space in said base opening to an edge of said spacer means, and include a curved wall surface overlying said transducer whereby a vibrational wave entering said flared channel is reflected toward said transducer.

2,386,997

FACSIMILE SIGNALING SYSTEM

Charles J. Young, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 8, 1943, Serial No. 513,373
10 Claims. (Cl. 178-6.6)



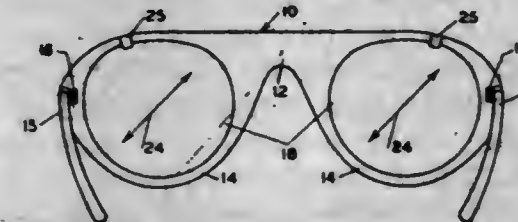
1. A facsimile receiving system for obtaining a record from a carrier, the phase of which is shifted in accordance with image signals, com-

prising means to compare the phase of said carrier from cycle to cycle with a synchronizing alternating voltage to derive another alternating voltage equal in frequency to said synchronizing voltage but having a wave form varying in accordance with the phase of said carrier, means to convert said derived alternating voltage into pulses, the time duration of which varies in accordance with the phase of said carrier, a recorder having a recording element, and means to cause operation of said recording element from said pulses.

2,386,998

EYEGLASSES

Clinton J. T. Young, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application July 3, 1942, Serial No. 449,600
5 Claims. (Cl. 88-41)



1. A spectacle comprising, in combination, a substantially flat frame member of substantially uniform thickness, said frame member comprising a bridge portion and a plurality of lens-retaining portions connected by said bridge portion and defining therewith a nose-engaging slot, the sides of said slot being adapted to bear on the nose of the wearer of said spectacle, a plurality of temples, and a plurality of hook-like elements structurally integral with the upper part of said lens-retaining portions and extending rearwardly therefrom, said hook elements being adapted to rest upon the upper parts of the eye portions of a second pair of eyeglasses worn by the wearer of said spectacle and to cause the weight of said spectacle to be supported at least in part by said second pair of eyeglasses, said flat construction of said frame member facilitating the mounting of said spectacle and said eyeglasses in close proximity without relative friction.

2,386,999

ALLYL ESTER RESINS AND PROCESS FOR THEIR PREPARATION

David E. Adelson, Berkeley, and Hans Dannenberg, San Francisco, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 3, 1940, Serial No. 351,236
25 Claims. (Cl. 260-78)

1. A process which comprises heating at a temperature between about 100° C. and 250° C. a fusible polymer of diallyl diglycolate under sufficient pressure to render the polymer mass substantially coherent.

2,387,000

PHOTOGRAPHIC FIXING METHOD

James R. Alburger, Hollywood, Calif., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Original application November 30, 1939, Serial No. 306,971. Divided and this application October 6, 1941, Serial No. 413,827
7 Claims. (Cl. 95-88)

1. The method of preventing reticulation of photographic emulsions including a silver halide,

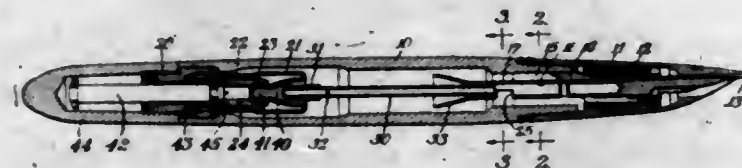
comprising the steps of fixing the image in a fixing bath having an alkalinity substantially the same as that of the alkaline developer in which the film was developed and an amount of alum sufficient to buffer the alkali.

2,387,001

FOUNTAIN PEN

Marlin S. Baker, Janesville, Wis., assignor to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin

Application June 2, 1944, Serial No. 538,359
7 Claims. (Cl. 120-47)



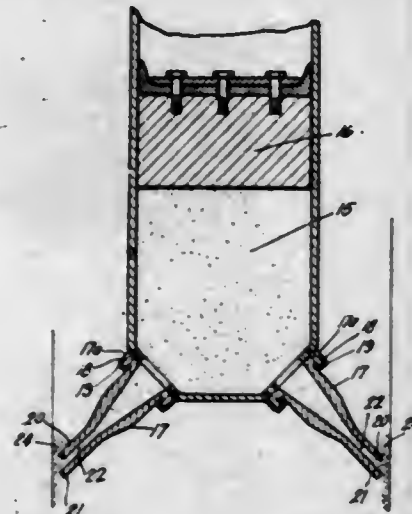
1. A fountain pen comprising, in combination, a barrel, a point, a governor structure for feeding ink from the barrel to the point and having a shank extending into the front end of the barrel, a breather tube extending from said shank into the barrel and having a lateral slot opening into the barrel intermediate its ends, a pumping device mounted in the rear end of the barrel and operable by a longitudinal stroke to reduce the effective volume of the barrel, and a second tube movable by operation of the pumping device and provided with an opening into the barrel adjacent the rear end, said second tube extending into said breather tube and having its front end normally positioned rearwardly from said lateral slot to retain the same in open condition but being adapted to close said slot upon operation of said pumping device whereby air in the barrel will be forced out through the opening in the rear end of said second tube.

2,387,002

APPARATUS FOR CEMENTING THE WALL OF AN EARTH BORING

Clyde E. Bannister, Houston, Tex.

Application June 24, 1942, Serial No. 448,194
3 Claims. (Cl. 166-1)



1. Apparatus for cementing the wall of an earth boring, said apparatus comprising a cement chamber adapted to be freely lowered and raised in the boring and formed with outlets leading from its lower portion, a plurality of flexible resilient extrusion means mounted on said chamber in constant communication with said outlets and projecting outwardly from the chamber, an impermeate piston directly contacting the inner face of said chamber and movable downward therein for forcing cement downward ahead of it, and reelable means comprising a hose for lowering and raising the chamber in the boring

and conducting pressure fluid from the top of the boring into the space in the chamber above the piston, each of the said flexible, resilient extrusion means comprising one of a circumferential series of nozzles formed of resiliently deformable material, each nozzle being formed with a passage whose vertical cross-sectional dimension decreases and whose horizontal cross-sectional dimension increases in the direction from the base of the nozzle toward its outer end.

2,387,003

DOUBLE SEAL PACKER

Charles H. Barnes, Glendale, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware

Application August 4, 1941, Serial No. 405,275
5 Claims. (Cl. 166-11)



1. In a well device adapted to be suspended from a tubing string and set within a well casing; an inner tubular mandrel forming an inner longitudinal flow passage from end to end through said device; an external shell structure surrounding a portion of the tubular mandrel and rigidly attached in spaced relation thereto to form a separate, intermediate, longitudinal flow passage therethrough; a lateral duct extending between and interconnecting the interior of said inner mandrel and the exterior of said shell structure; a slip joint for coupling said mandrel to said tubing string with freedom for limited longitudinal sliding motion of said tubing relative to said mandrel; a pair of packing sleeves, positioned on said shell structure adjacent the opposite extremities thereof and in longitudinally spaced relation on either side of said lateral duct; gripping means associated with said shell structure and adapted to effect gripping engagement with a surrounding casing; and means actuated by relative longitudinal sliding motion between said tubing and said gripping means to axially compress said packing sleeves and thereby radially expand them into sealing engagement between said sleeve structure and a surrounding casing.

2,387,004

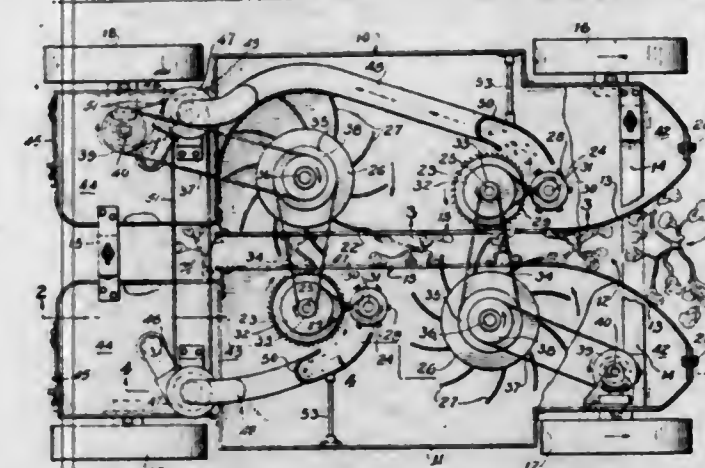
COTTON HARVESTING MACHINE

Charles E. Berry, Vicksburg, Miss., assignor of one-half to Hugh A. Gamble, Greenville, Miss.

Application October 16, 1943, Serial No. 506,542
9 Claims. (Cl. 56-40)

1. A cotton harvesting machine including movable supports for operation in the field, means

forming a passageway for plants through the machine, including spaced wall members apertured for the lateral exposure of cotton fibers and adapted to laterally confine the plants within the passageway, means laterally of said passageway for removing exposed cotton fibers, and means for



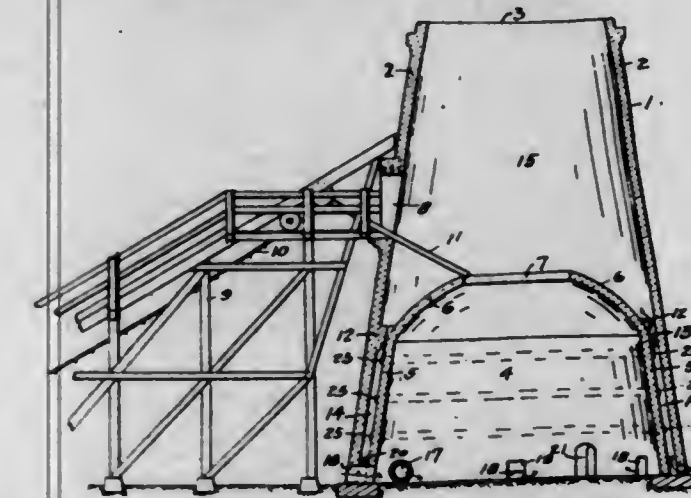
propelling cotton plants rearwardly in said passageway at the same relative speed at which the machine moves forwardly and laterally, yieldingly confining the plants opposite the cotton removing means, said propelling means comprising a rotatable member and a plurality of flexible elastic plant engageable arms attached thereto.

2,387,005

TRASH BURNER

Fred R. Boedecker, Tacoma, Wash., assignor of one-half to Robert F. Boedecker, Tacoma, Wash.

Application August 28, 1943, Serial No. 500,327
3 Claims. (Cl. 110-18)



1. In a trash burner, the combination of a circular inner combustion chamber composed of truncated conical walls supporting a dome, having a feed opening in the center thereof; an outer shell separated from and surrounding said combustion chamber; and a brace ring formed on the inside of the outer shell and having an upward sliding engagement with the upper end of the truncated wall of the combustion chamber to brace the base of the dome thereof, while permitting the upward expansion of said wall.

2,387,006

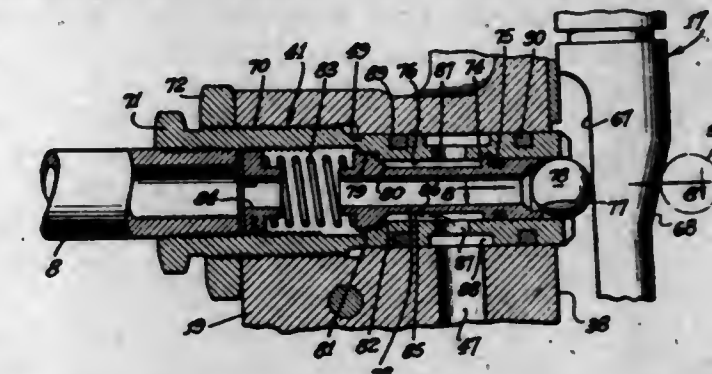
VALVE

J. D. Buchanan, Burbank, Calif.

Application October 13, 1942, Serial No. 461,859
4 Claims. (Cl. 277-21)

1. A valve comprising a valve cage having a bore, a valve seat on the inside of said cage adjoining said bore, a tubular valve having a piston slidable in said bore and having an annular valve face cooperating with said seat, a hollow nut having a screw thread connection with the interior

of said cage, a compression spring between said nut and said annular valve, the interior of said cage having screw threads for connection to a pipe, and screw threads on the exterior of said



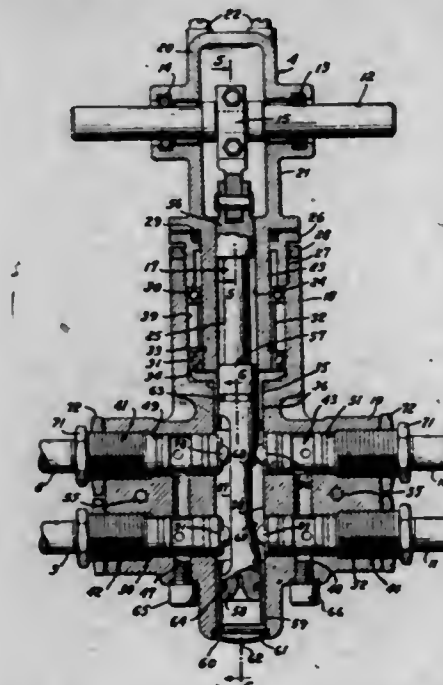
cage, a valve seat at the outer end of said piston for the interior of said valve stem, and a reciprocating valve slidable in said bore for said last mentioned seat.

2,387,007

VALVE ACTUATING SYSTEM

J. D. Buchanan, Burbank, Calif.

Original application October 13, 1942, Serial No. 461,859. Divided and this application March 31, 1943, Serial No. 481,261
10 Claims. (Cl. 137-144)



1. A valve comprising a casing having passages and four reciprocating valves therefor, each having an operating member, a double cam for said valves, said cam having on one side thereof a cam surface which is eccentric with the axis of said cam in planes at right angles to that axis while being equally distant from that axis in planes through that axis, said cam having on the other side thereof a pair of oppositely facing conical cam surfaces coaxial with the longitudinal axis of said cam, means supporting two of said operating members laterally separated on said eccentric cam surface, means supporting said other two operating members longitudinally separated along said cam with each thereof on one of said conical surfaces, and means supporting said cam for movements around and lengthwise of its axis.

2,387,008

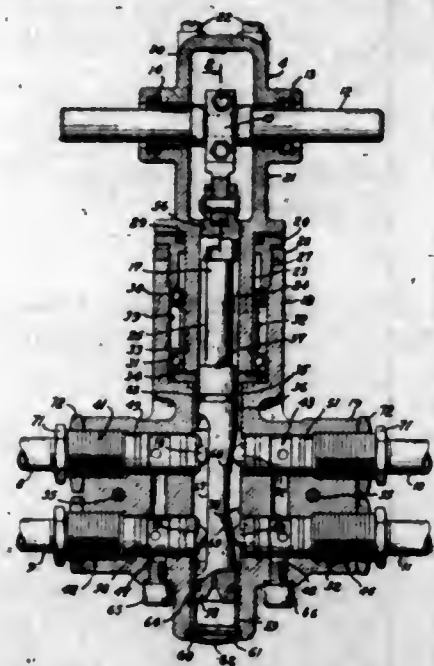
VALVE MECHANISM

J. D. Buchanan, Burbank, Calif.

Original application October 13, 1942, Serial No. 461,859. Divided and this application March 31, 1943, Serial No. 481,262
5 Claims. (Cl. 137-144)

1. A valve comprising a casing having a neck, said neck having a comparatively large bore

merging into a smaller bore in said casing, a shoulder inside of said neck at the junction of said bores, a rotatable sleeve in said neck, a cap threaded in said neck and having a central aperture rotatably supporting said sleeve, a ball-bearing between said sleeve and said neck, said shoulder supporting the bottom of said ball-bearing,

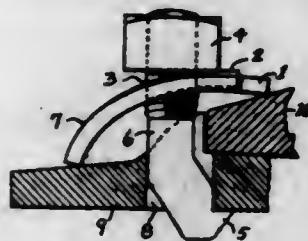


a lock ring on said sleeve supported by the top of said ball-bearing, spacer means between said lock ring and said cap, and a valve stem slidably fitting said sleeve, also slidably and rotatably fitting said casing bore, and a handle pivotally mounted on said sleeve for rotating and sliding said valve stem.

2,387,009

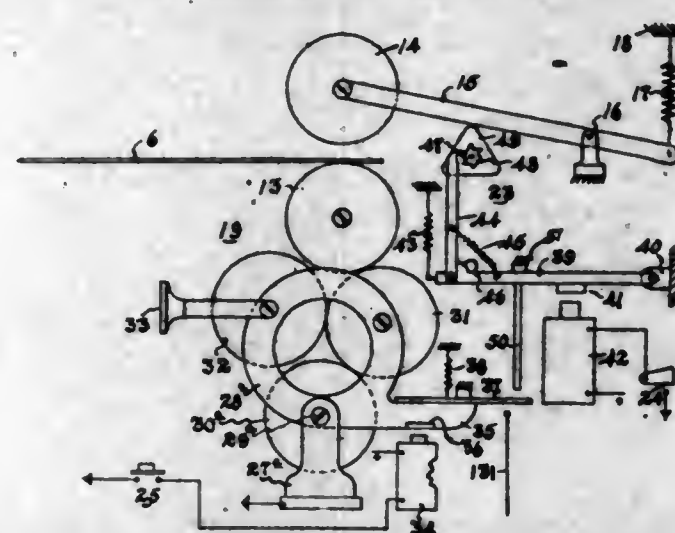
RAIL FASTENING

Ralph P. Clarkson, Milford, Conn.
Application May 22, 1943, Serial No. 488,010
4 Claims. (Cl. 238-349)



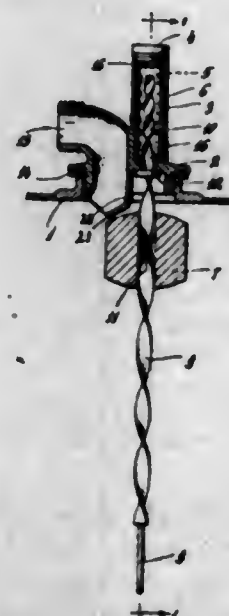
1. In a rail fastening device for resiliently clamping a rail to a tieplate characterized by the use of the regular tieplate spike hole for the holding member and the employment of a plate type spring clip resting at its rear end on the tieplate outwardly from the spike opening and at its front end on the sloping base of the rail and thus tending to bend the holding member away from the rail, a holding member of substantially rail spike width and of a shank thickness materially less than the corresponding spike hole dimension, insertable from above downwardly through the spike hole and provided with a dog-leg shank having flat side portions to bear against the four walls of the spike hole, the two flat side portions on the front and back sides of the holding member being parallel to but offset from each other, that at the front side being positioned to bear at the lower end of the spike hole wall and that at the back side being positioned to bear at the upper end of the opposite wall, the portion of said holding member between said two flat side portions when in operating position sloping at an angle across the spike hole to form a brace against the bending tendency of the spring clip, the center line of said holding member being offset from the center line of the spike hole, a portion of said holding member extending beneath and engaging the bottom of said tieplate.

2,387,010
SOUND TRANSCRIPTION MACHINE
Henry P. Clausen, White Plains, N. Y., assignor to The Gray Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application February 5, 1943, Serial No. 474,780
20 Claims. (Cl. 274-13)



1. In a machine of the type described a record support, a pair of friction drive members for engaging a record on opposite sides when mounted on said support to rotate the record, a power transmission train comprising a plurality of cooperating wheels for rotating one of said members in one direction, and means for introducing another wheel into said train to drive the record in the opposite direction.

2,387,011
TANK GAUGE AND FILLING DEVICE
Severin F. Czerner, Kings Mill, Tex.
Application February 14, 1945, Serial No. 577,837
2 Claims. (Cl. 73-320)



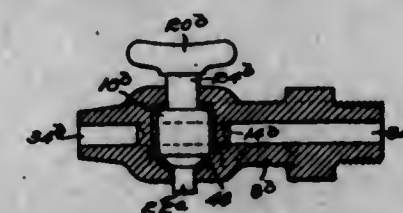
1. In a tank gauge and filling device having a filler cap which fits the filler neck of a tank, a tube mounted with its lower end portion upon the top of the filler cap and connected to the interior of the tank by means of a bore in the filler cap through which extends a fluid level indicator that is actuated by a float, a pipe connection at the top of said tube adapted for attaching a suction tubing that leads to a cock on the intake manifold of an internal combustion engine, a bent pipe adapted for attaching a fuel hose thereto and extending through the filler cap adjacent said tube and having a perforated lower end portion which projects into the tank and which is shaped in such a manner that it deflects the incoming fuel stream from said float, and a shut-off valve attached to said float actuated fuel level indicator and adapted to close said bore in the filler cap when the tank is full, all substantially as described.

2,387,012
TOOL LIFTER FOR MACHINE TOOLS
Jesse Daugherty, Cincinnati, Ohio, assignor to The Cincinnati Planer Company, Cincinnati, Ohio, a corporation of Ohio
Application April 26, 1944, Serial No. 532,901
6 Claims. (Cl. 90-55)



1. A tool lifter for a tool sustaining head of a machine tool embodying a slide, a tool holder hingedly mounted upon the slide, a plunger carried by the slide having an end engaging the tool holder to swing the same to clear its cutting tool from the work mounted upon a traversing support, a lever mounted within the slide having a crank arm provided with a curved edge for sliding engagement with the inner end of said plunger, a link longitudinally of the slide having one end connecting with said lever, a second lever on said slide connecting with the opposite end of said link and pressure operated means operatively connecting with said second lever.

2,387,013
MAKING TURNCOCKS
Joseph C. Fuller, Newton, Mass.
Application January 3, 1941, Serial No. 373,011
6 Claims. (Cl. 29-157.1)

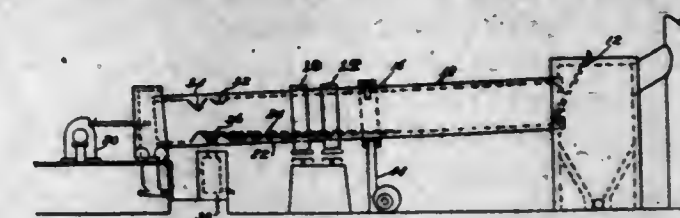


6. A method of making a rotary valve comprising inner and outer relatively rotatable parts characterized by molding one directly upon the other in nicely fitting and inseparable but non-adherent and rotatable relation thereto and thereafter piercing the so assembled parts to provide a fluid passageway controllable by relative rotation of said parts.

2,387,014
ROTARY KILN
Estell L. Gibson, Park Ridge, Ill., assignor to Cowham Engineering Company, Chicago, Ill., a corporation of Delaware
Application May 15, 1943, Serial No. 487,404
3 Claims. (Cl. 263-32)

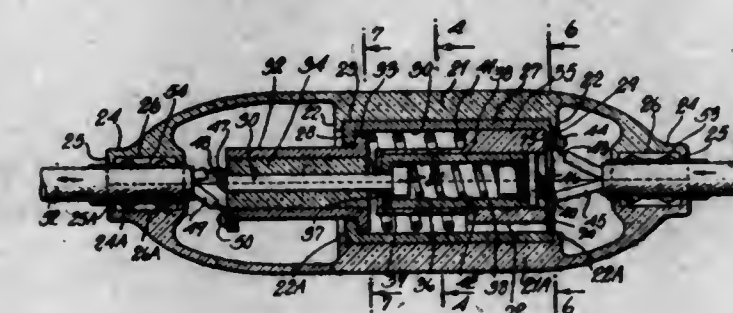
1. A means for refining and reducing ferrous and non-ferrous ores and combinations thereof, comprising a rotary kiln, a burner at the discharge end thereof, a feed pipe at the other end, an auxiliary air inlet for the kiln, an inlet for

the introduction of a supplementary reducing agent at a point in the kiln between the discharge end and the auxiliary air inlet, and a further inlet for the introduction of additional ore and



oxide and purifying agents to the kiln, together with a pair of dams adjacent the discharge end of the kiln and a discharge opening in the kiln between the dams.

2,387,015
ELECTRIC SWIVEL
Olaf Gilbertson, Matawan, N. J.
Application October 5, 1943, Serial No. 505,074
1 Claim. (Cl. 173-324)

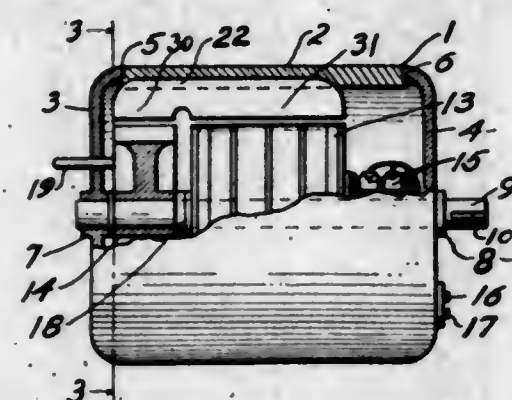


An exterior casing of dielectric material, a tubular member of current conducting material having an inwardly flanged end opening at one end thereof within said casing, a second tubular member of dielectric material having a flanged end opening at one end thereof within said first mentioned tubular member, dielectric material positioned between said two tubular members, an outwardly extended tubular member of current conducting material having a flanged end opening at one end thereof, spring means within said first mentioned tubular member revolubly abutting the flange of said first mentioned tubular member and said outwardly extended tubular member, a rod of current conducting material positioned within said extended tubular member, a current dielectric material positioned between said rod and said extended tubular member, an annular enlarged end portion of said rod positioned within said inner tubular member, spring means within said inner tubular member revolubly abutting the said rod and the flange of said inner tubular member, means carried by said first mentioned tubular member adapted to be connected to a source of electric current, and means carried by said inner tubular member adapted to be connected to a source of electric current, means carried by said extended tubular member adapted to be connected with a current carrying wire and means carried by said rod adapted to be connected with a current carrying wire.

2,387,016
MAGNETIC POLARITY CHANGING CIRCUIT
Willard C. Hall, Jr., Los Angeles, Calif., assignor to Helen J. Hall, Jr., Los Angeles, Calif.
Application July 13, 1943, Serial No. 494,487
4 Claims. (Cl. 172-36)

1. An electrical device having a rotor element with a shaft fixed thereto, a shiftable polar unit having radially disposed pole faces axially of the element and journaled to the said shaft, and flux transfer means having pole pieces at the ends

thereof, the pole pieces at one of the ends of the means surrounding the element and the pole pieces at the other ends of the means surround-



ing the unit, said polar unit having means for shifting it rotatively so as to change the flux direction in the transfer means and in the power delivery element.

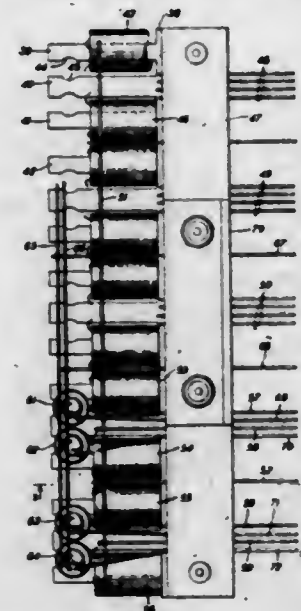
2,387,017

ELECTRIC SWITCH

Henry C. Harrison, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original application June 15, 1940, Serial No. 340,653. Divided and this application August 22, 1942, Serial No. 455,740

5 Claims. (Cl. 200-98)



1. In combination, a plurality of switch units each comprising a container and contact-making devices, a common magnetic circuit for said switch units comprising a comb of magnetic material, the adjacent sides of the teeth of said comb being shaped to form recesses for receiving and holding the individual switch units, and individual operating coils for said switch units mounted on the teeth of said magnetic comb.

2,387,018

COMMUNICATION SYSTEM

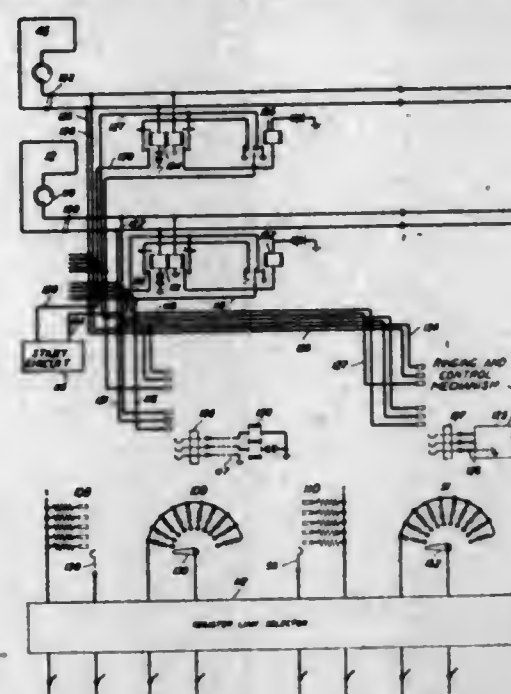
Ralph V. L. Hartley, Summit, N. J., assignor to Bell Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 5, 1942, Serial No. 453,675

13 Claims. (Cl. 179-15)

13. The combination in a communication system of a plurality of lines, a common transmission medium for said lines, means dependent on the busy or idle condition of said lines for pairing any number of said lines selected at random with a corresponding number of said lines also selected at random to form a plurality of pairs for concurrent communication over said common medium, switching means normally in an open

condition to prevent transmission between each line and said common medium, means operative cyclically for effecting brief closures of said switching means to connect repeatedly to said common medium each line of all pairs engaged in communication, the connection of each line occur-



ring in a phase which differs from that of every other line, and means associated with each communication pair for sustaining the transmission energy delivered from either line of said pair to the common medium until the other line of said pair is connected to the common medium.

2,387,019

ALIPHATIC DINITRO TETROLS

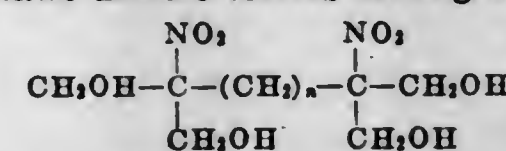
Henry B. Hass, West Lafayette, Ind., and Wilbur R. McElroy, Beacon, N. Y., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana

No Drawing. Application July 29, 1944,

Serial No. 547,284

4 Claims. (Cl. 260-635)

1. Aliphatic dinitro tetrols having the formula:



in which n is an integer less than 5.

2,387,020

MOTORCYCLE BRAKE ACTUATOR

Thomas Helme, Albany, N. Y.

Application April 13, 1944, Serial No. 530,884

4 Claims. (Cl. 74-489)



1. In a motorcycle having a brake, a brake actuator comprising a handlebar, a grip, means for securing said grip to said handlebar in rotatable and also in flexible relation thereto; whereby said grip is adapted to actuate one device by a rotating movement thereof and a second device by a flexing movement thereof; said brake constituting one of said two devices; and means operatively connecting said grip to said brake for actuating the latter by one of the two said movements of said grip.

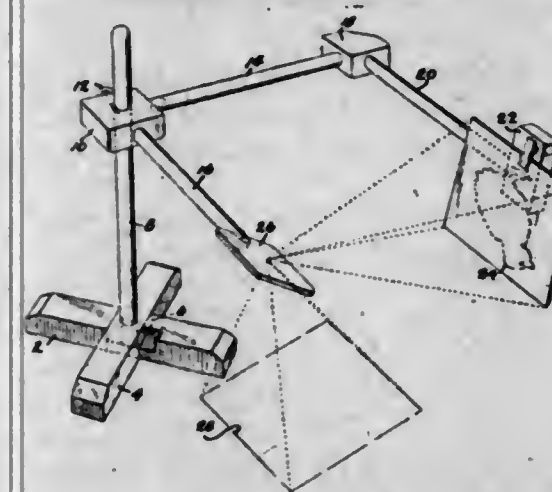
2,387,021

REPRODUCING DEVICE

Lewis B. Hendershot, Pittsfield, Mass.

Application November 14, 1944, Serial No. 563,441

2 Claims. (Cl. 88-75)



1. In an apparatus of the class described, the combination of a base, a vertically extending post removably mounted therein, a block mounted upon said post and slidable vertically of the same, a reflector-carrying arm removably inserted into one side of said block and extending horizontally outwardly therefrom at right angles to said post, a semi-transparent reflector carried at the outer end of said arm, a second arm removably inserted into said block, and projecting horizontally therefrom at right angles to the reflector-carrying arm, a block carried at the outer end of said second arm, and an image-carrying arm removably inserted into the second mentioned block and projecting horizontally therefrom parallel to the said reflector-carrying arm and terminating abreast of the outer end of the same.

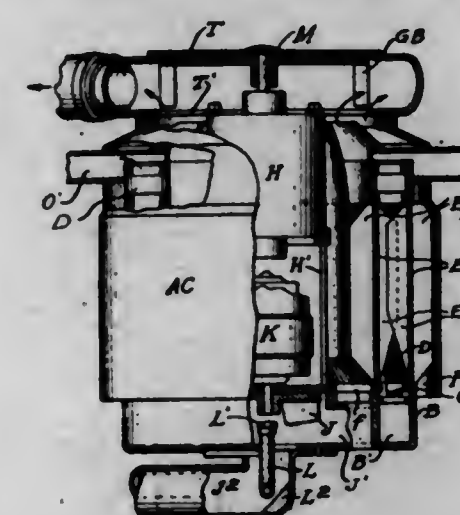
2,387,022

HEATER

Frederic O. Hess, Germantown, and Richard E. B. Wakefield, Aldan, Pa., assignors to Selas Corporation of America, a corporation of Pennsylvania

Application September 5, 1941, Serial No. 409,613

1 Claim. (Cl. 126-105)



An independently operable heater of the internal combustion type comprising an annular casing defining a space having openings at the ends thereof, a heating unit having a relatively extensive heat transfer surface disposed within the space and formed to provide a central cavity therein, means to effect combustion of a fuel adapted to be supplied to the heater to cause heating of the heating unit, the heating unit being capable of heating air adapted to flow into the casing through an opening at an end thereof, a housing secured to the opposite end of the casing and serving as an end plate therefor, said housing

having spaced apart walls at right angles to the axis of the casing, the wall of the housing nearer to the casing having an inlet therein, a fan within the housing between the walls thereof adapted to cause said flow of air into the casing past the heating unit and draw such heated air into the housing through the inlet, the housing having a number of spaced apart outlets for discharging heated air therefrom at a plurality of places, an electric motor mounted within the casing and positioned in the cavity therein, said motor having a shaft projecting into the housing at right angles to the walls thereof, said fan being fixed to the shaft, and the inlet being sufficiently large that the housing may be secured in position at the end of the casing after the fan is fixed to the shaft.

2,387,023

PROCESS FOR THE RECOVERY OF RIBOFLAVIN

George E. Hines, Jr., Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application June 10, 1944,

Serial No. 539,799

17 Claims. (Cl. 195-42)

17. In a process for recovering dissolved riboflavin from a nutrient mash having a riboflavin concentration of at least 65 $\mu\text{g.}$ per ml, and which has been fermented by the organism *Eremothecium ashbyi*, the steps which comprise adjusting the initial pH of such mash to a value of between about 5.5 to 7.5, inoculating said mash with an active culture of acid-producing bacteria selected from the group consisting of *Streptococcus faecalis*, *Streptococcus liquefaciens*, *Streptococcus cremoris*, *Streptococcus zymogenes*, *Streptococcus lactis*, *Escherichia coli*, *Clostridium acetobutylicum*, *Clostridium saccharo-butyl-acetonicum-liquefaciens*, *Clostridium saccharo-butyl-acetonicum-liquefaciens-delta*, and *Serratia plymuthensis* which synthesizes substantially no additional riboflavin in said mash, and fermenting said mash at a temperature of about 15 to 33° C. to yield a riboflavin containing precipitate.

2,387,024

PRESSURE VESSEL AND SUPPORT

Patrick D. Hishon, William D. Carter, and Thomas N. Ravn, Berkeley, and Herbert L. Borchers, San Francisco, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

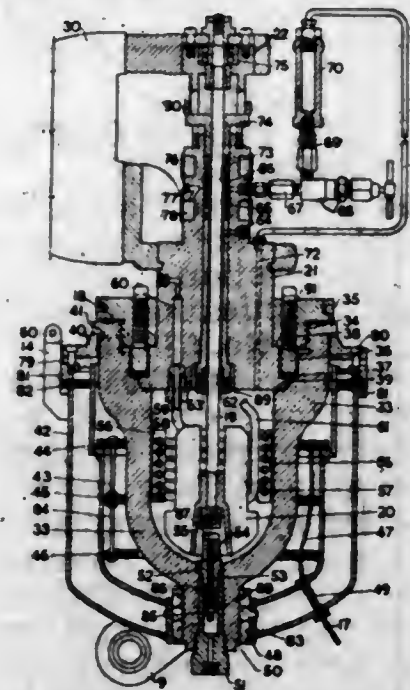
Application August 14, 1944, Serial No. 549,468

12 Claims. (Cl. 23-290)

1. In an autoclave assembly, the combination comprising a support upright, a pulley at the top of said upright, a carriage slidably mounted on said upright, a vessel pivotally mounted near the base thereof on said carriage, a counterbalance weight for said carriage and vessel, a flexible connector passing over said pulley joining said counterbalance weight and carriage whereby said carriage and vessel may be readily raised or lowered on said upright, and a closure for said vessel mounted on said upright near the upper limit of travel of said carriage on said upright.

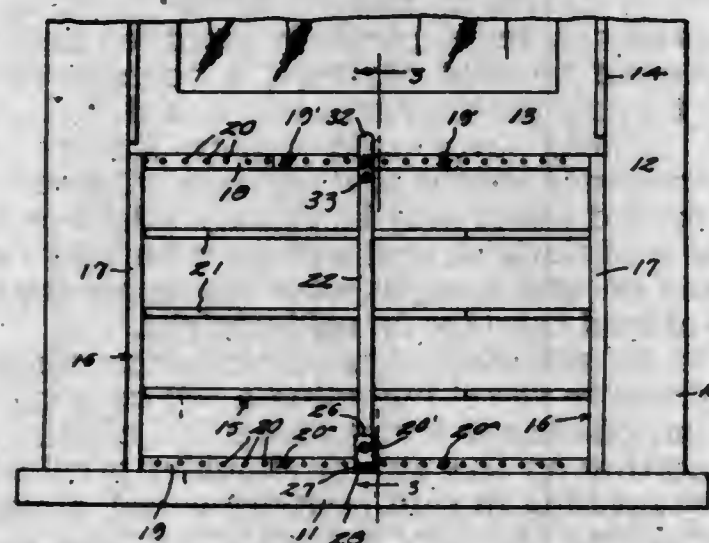
11. In an autoclave, the combination comprising a pressure vessel including a top opening and a bottom discharge outlet therein, a closure element seating on an annular shoulder provided in said top opening in said pressure vessel, a closure retaining ring threadedly engaging said pressure vessel, said retaining ring being slidably and rotatably mounted on said closure element and bearing against an annular shoulder provided on

said closure element, a pressure sealing gasket covering the annular joint between said closure element and said pressure vessel, a gasket retaining ring supported on said pressure gasket, a plurality of bolts passing through said closure retaining ring in threaded engagement therewith and urging said gasket retaining ring against said pressure gasket, thereby forming a pressure seal between said closure element and said pressure vessel, an annular heat exchange coil depending from said closure element, the coils of said heat exchange coil being disposed adjacent the inner wall of said pressure vessel, means for circulating heat exchange media through said heat exchange coil, a pressure sealed agitator shaft rotatably mounted in said closure element and extending



within the body of said pressure vessel, an agitator rigidly mounted on said agitator shaft in said pressure vessel, said heat exchange coil being disposed circumambient with respect to at least a part of said agitator, a plurality of vertical baffles mounted on said heat exchange coil adjacent said agitator, an inverted cup rigidly mounted on said agitator and terminating immediately above said discharge outlet in said pressure vessel, a disk filter mounted in said discharge outlet and extending upwardly into the body of said pressure vessel and into said inverted cup, thermal insulating means disposed around said pressure vessel and supported by said pressure vessel and heating means disposed between said thermal insulating means and said pressure vessel.

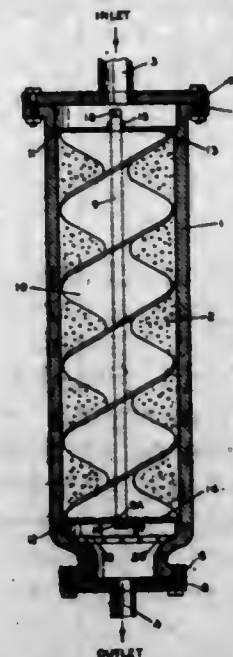
2,387,025
OPEN WINDOW GUARD
Edward L. Hoffmann, Chicago, Ill.
Application March 15, 1944, Serial No. 526,527
4 Claims. (Cl. 160-225)



1. A guard of the class described comprising relatively slidable sections, said sections includ-

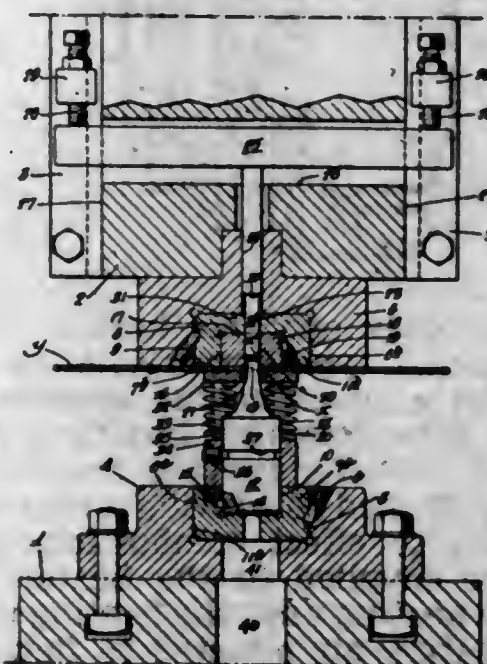
ing bars, a rail, said rail having openings in which the bars are slidably disposed, means to secure the rail and bars in adjusted position, and means engaged with the first means to secure the guard to a window sill or the like.

2,387,026
CATALYST CHAMBER
Richard L. Huntington, Norman, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 2, 1942, Serial No. 425,481
3 Claims. (Cl. 23-288)



3. A catalyst chamber comprising a body having a bore, an inlet and an outlet, perforated end plates extending across the bore and spaced longitudinally along the axis of the bore, a helical screw baffle extending between the two plates and fitting the bore therebetween, the end plates and baffle forming at least one helical chamber for reception of a granular catalyst, one end of the helical baffle extending through one of the end plates, means on said end for rotary driving engagement whereby the helical baffle plate may be forcibly rotated when removing the catalyst which may fuse and require breaking loose, and a screen adjacent the plate near the outlet through which the granular catalyst cannot pass.

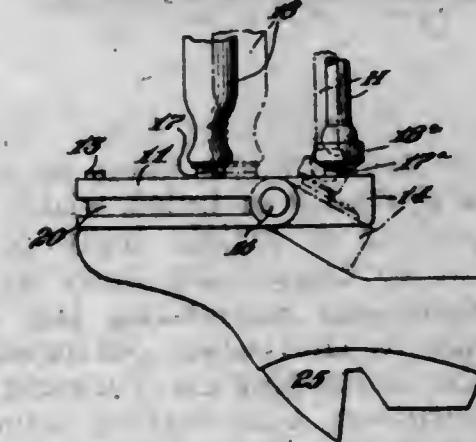
2,387,027
INTERCHANGEABLE PUNCH AND DIE
Arthur C. Jackson, Swarthmore, Pa., assignor to L. V. Whistler, Kenmore, N. Y.
Application August 15, 1944, Serial No. 549,613
3 Claims. (Cl. 164-124)



1. A punch and die set for use in a press having a pair of primary elements mounted for rela-

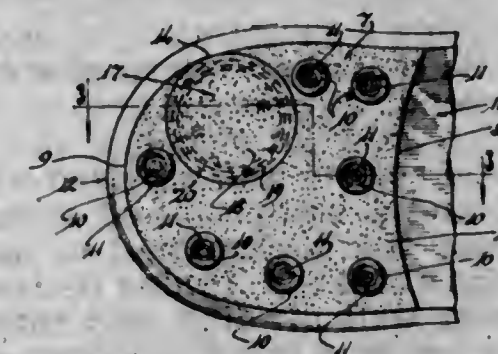
tive axial reciprocation for effecting a pressing operation between respectively opposed faces thereof, said set comprising a pair of holders adapted to be rigidly secured to said elements to extend beyond said faces respectively, a punch unit comprising a punch, an adapter for the punch, and means for securing the punch in its adapter, a die unit comprising a die, an adapter for the die, and means for securing the die in its adapter, said adapters being of identical shape and size cross-sectionally and said holders having adapter-receiving recesses of identical cross-sectional shape and size with tolerance to receive said adapters selectively, said recesses being adapted to be axially aligned prior to securing said holders rigidly to said elements, said units completely assembled being adapted to be reversed in said holders without disturbing the rigid security of said holders in said elements by exchanging said adapters in said recesses.

2,387,028
ART OF LASTING SHOES
Jacob S. Kamborian, West Newton, Mass.
Application June 16, 1944, Serial No. 540,632
7 Claims. (Cl. 12-107)



1. A presser device of substantially horseshoe contour for use in lasting shoes, said device comprising two elongate members pivotally connected at their forward ends to swing about an axis substantially perpendicular to the last bottom, each member being curved lengthwise to conform substantially to the contour of the outer edge of the fore part of an insole, and a presser hinged to the rear end of each of said elongate members so as to swing about an axis extending transversely of the last bottom, and a handle for manipulating said device.

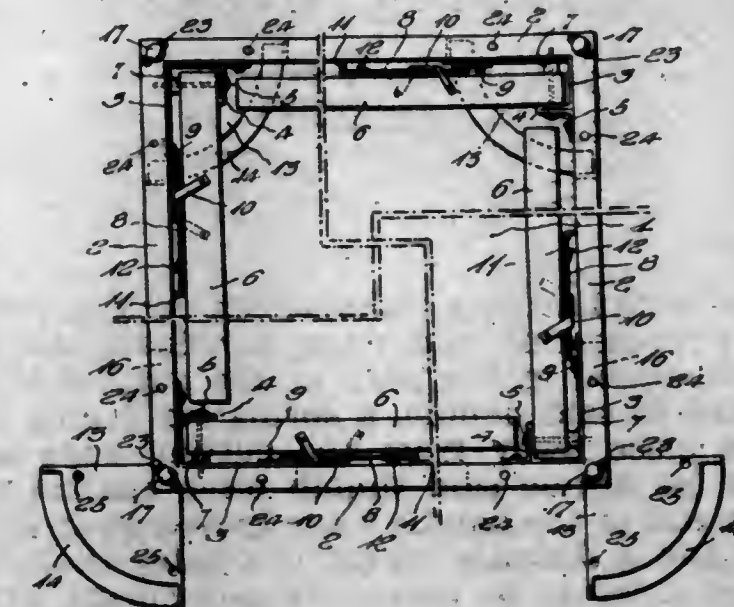
2,387,029
HEEL
Bernard Kellman, Chicago, Ill.
Application November 15, 1944, Serial No. 563,464
3 Claims. (Cl. 36-35)



1. An article of the character described comprising, a resilient heel member provided with a frusto-conical recess positioned tangentially with respect to the perimetral line of configuration of the said heel member, and a frusto-conically shaped disc member removably confined within the said frusto-conical recess, the said

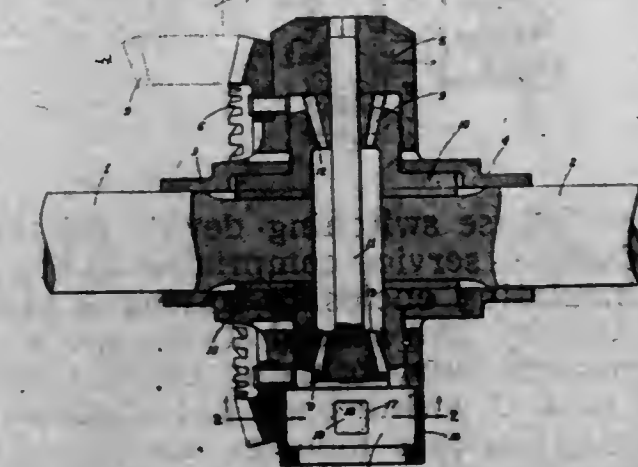
heel member also provided with a retaining lip portion extending annularly of the wall of the said frusto-conical recess, and the said disc element provided with a mating groove portion on its conical surface adapted to engage removably the said lip portion.

2,387,030
CARD TABLE
Charles Kolodny, Baltimore, Md.
Application December 31, 1943, Serial No. 516,477
3 Claims. (Cl. 311-103)



3. A card table comprising a top, supporting legs at corners thereof, trays movable horizontally from a retracted position under the table top to an extended position for use and having portions provided with sockets, vertically disposed pins carried by the table top and slidable vertically into and out of position to engage in the sockets and pivotally mount the trays, the pins when shifted out of the sockets releasing the trays for bodily removal from the table, and springs yieldably holding the pins in the sockets.

2,387,031
SELF-LOCKING DIFFERENTIAL
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application March 4, 1944, Serial No. 525,048
8 Claims. (Cl. 74-316)



1. A locking device for a differential which includes a driven cage, differential gears rotatable in the cage; and differential pinions in mesh with said gears; said locking device comprising a rotor mounted in axial connection with one pinion for rotation therewith, an annular bearing channel in which the peripheral portion of said rotor engages with a close running fit, said rotor having a radial bore therein, a plunger disposed in the bore for sliding movement between a re-

tracted position within the bore and a centrifugally advanced position with a portion projecting beyond the periphery of the rotor, yieldable means normally holding the plunger retracted, and stop means formed in the cage for engagement by the projecting portion of said plunger when advanced.

2,387,032 KNIFE

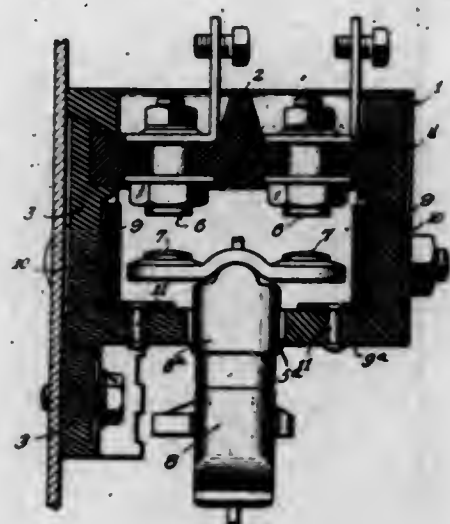
Robert W. Lowry, Minneapolis, Minn.
Application February 14, 1944, Serial No. 522,233
5 Claims. (Cl. 30—175)



1. A knife having a combination cutting blade, handle for holding said blade, a yieldable thumb piece mounted in the path of the cutting blade adjacent to said handle, a spring for urging the thumb piece away from the cutting edge and means for urging said thumb piece against the remote end of the handle when moved away from said blade a distance which is greater than the amount it would be moved by said spring when dicing, for the purpose of leaving the knife in a paring position.

2,387,033 ARC EXTINGUISHING DEVICE

Lynn H. Matthias, Fox Point, Wis., assignor to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 12, 1940, Serial No. 352,206
8 Claims. (Cl. 200—144)

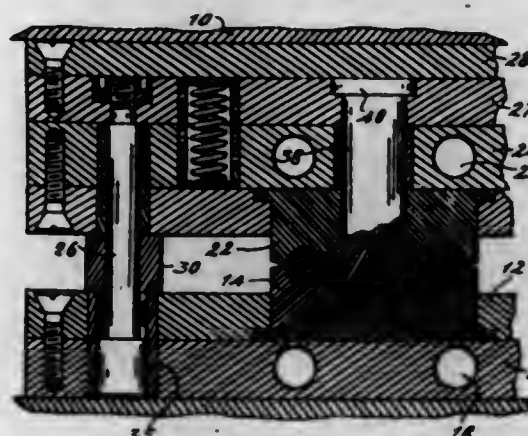


1. A multiphase switching device suitable for heavy industrial service comprising in combination an insulating enclosure having a plurality of arc chambers, two spaced stationary contacts and a complementary bridging contact member arranged in a U within each arc chamber with said bridging contact member movable to and from a closed position relative to said stationary contacts to control the flow of an electric current, a metal plate for each set of contacts and disposed within the chamber transverse to the plane of the U and outwardly from each set of contacts at a distance substantially equal to the open circuit spacing of the contacts, said relative position of said contacts and bridging contact member to direct the arc streams occurring upon interruption of an electric current away from the contacts and against said metal plates, said metal plates containing a substance volatil-

izable by heat from the occurring arc streams to produce a gas to quench said arc streams and said arc chamber to confine the occurring arc streams and to retain said gas in the vicinity of said arc streams.

2,387,034 METHOD OF PRODUCING PLASTIC ARTICLES

Sylvester Milano, Federalsburg, Md., assignor to Maryland Plastics, Inc., Federalsburg, Md., a corporation of Maryland
Application September 10, 1941, Serial No. 410,310
4 Claims. (Cl. 18—47.5)



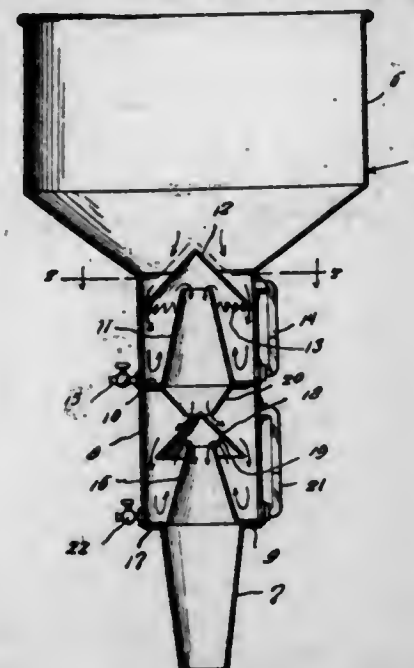
1. The method of producing from plastic material a mold pressed article such as a button provided with a plurality of holes, which method comprises subjecting a brittle body of plastic material to heat to cause said body to assume a degree of plasticity, subjecting the body to pressure to shape it, thereafter perforating said body to form the holes therein, forming, during the molding operation, thin walled hollow projections over the ends of the holes on one side of the article, the walls of the hollow projections being of substantially uniform thickness and the junction of the hollow projections with the article being on the outer surface of the article and flush with the outermost portion of the article, continuing to subject the body to heat and pressure to complete the molding operation, and tumbling said articles to remove the hollow projections and to form smooth edges at the junction of the hollow projections with the surface of the article.

2,387,035 GASOLINE AND WATER SEPARATOR

Tyre Miller, Boynton, Okla.
Application June 16, 1944, Serial No. 540,731
1 Claim. (Cl. 210—57)

A separator for liquids, comprising a funnel-shaped body formed to provide an upper cylindrical portion having a substantially conical bottom wall open at its center, an intermediate cylindrical portion depending from said bottom wall about its open center, said intermediate portion having a horizontal bottom wall provided with a central opening, and a lower tapered spout portion depending from the bottom wall of said intermediate portion about the opening therein, a horizontal partition wall dividing said intermediate portion into upper and lower collecting chambers and having a central opening, an inverted conical baffle secured within the upper end of said intermediate portion and having notches in its lower edge for the discharge of liquid there-through into said upper chamber, a tapered tubular portion rising from said partition about the opening therein and having its upper end terminating in a plane above the lower edge of said

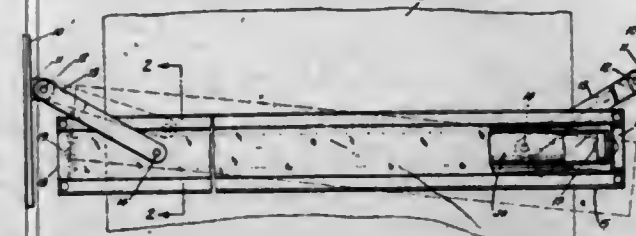
baffle, a conical member supported from the lower side of said partition and having an opening in line with the bore of said tubular portion, a tapered tubular member rising within said lower chamber from the bottom wall of said intermediate portion about the opening therein, an in-



verted conical baffle supported on the upper end of said tapered member and having its apex projecting into the opening in said conical member, the upper end of said tubular member terminating in a plane above the edge of the last named baffle, and a valved outlet from each of said chambers for drawing off liquid trapped therein.

2,387,036 WEB ALIGNING APPARATUS

John F. Morse, Hudson, Ohio
Application December 1, 1941, Serial No. 421,213
3 Claims. (Cl. 271—2.6)



3. Web-aligning apparatus comprising a frame pivotally mounted adjacent the path of movement of the web, for oscillation in a plane, substantially parallel to that of the off-running portion of the web, a guide roll journaled for rotation on the frame, and a pair of non-rotating guides on the frame adapted to engage the web substantially throughout its width, to compel the web to pass partly around the roll in driving contact therewith substantially throughout the width of the web, the said non-rotating guides constituting frictional means for causing the off-running portion of the web to exert a forward drag upon the frame.

2,387,037 HARD RESINS

Ferdinand P. Otto and Orland M. Relf, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application September 15, 1943, Serial No. 502,507
4 Claims. (Cl. 260—61)

1. A hard resinous light-colored composition of matter formed by reacting with the addition of heat diphenyl ether with a chlorinated petroleum wax containing about 40% to about 60% by weight of chlorine in a mol ratio of not less than one mol of said ether for each mol of combined chlorine in the presence of a Friedel-Crafts catalyst, add-

579 O. G.—30

ing metallic zinc and water to reaction product to decolorize the same and catalytically hydrogenating the product from treatment with zinc and water.

2,387,038 REFLECTOR

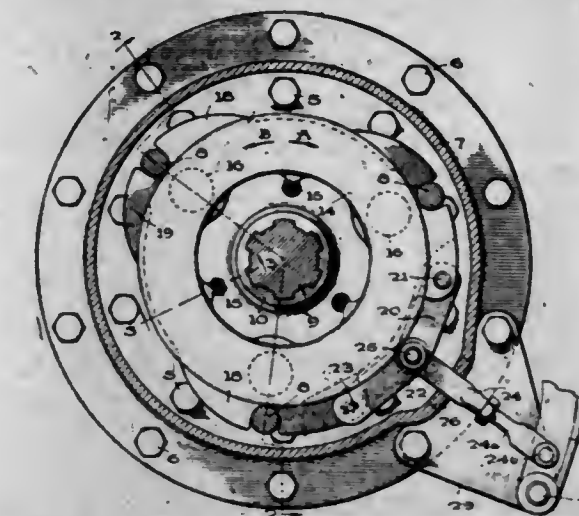
James H. Owens, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 15, 1943, Serial No. 502,426
1 Claim. (Cl. 88—105)



A reflector comprising a concave body having a layer of light reflecting material on its entire inner concave surface, a single layer comprising minute spherical glass beads of uniform size embedded in said reflecting layer and covering substantially said entire concave surface, and a transparent protective coating over said beads.

2,387,039 MULTIPLE DISK BRAKE

Dent Parrett, St. Joseph, Mich., assignor, by mesne assignments, to Lambert Brake Corporation, St. Joseph, Mich., a corporation of Michigan
Application November 28, 1944, Serial No. 565,472
10 Claims. (Cl. 188—72)



1. Brake mechanism of the class described, comprising in combination, a drive shaft, rotary disks slidably connected to said shaft, an actuator unit, a brake casing in which said rotary disks and actuator unit are mounted, having opposed spaced friction surfaces and supporting means for holding the unit in cooperative relation to the rotary disks, said unit comprising a pair of disks disposed between the spaced friction surfaces of the casing aforesaid and camming means between said pair of disks for spreading said disks apart to effect frictional engagement of said disks with the rotary disks in brake application, and means for shifting the actuator unit disks relative to each other to initiate the spreading action thereof and movement of the rotary disks into braking engagement with the friction surfaces of the casing.

2,387,040
PREPARATION OF NUCLEIC ACID
Sutton Redfern, Bronx, N. Y., assignor to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application March 1, 1944, Serial No. 524,839
15 Claims. (Cl. 260—210)

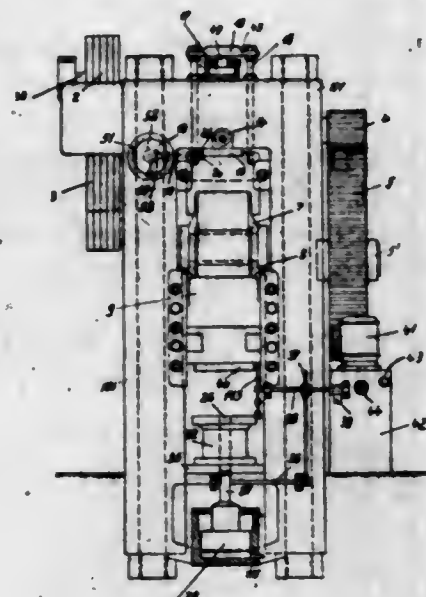
1. A method for the preparation of nucleic acid, which comprises hydrolyzing yeast with a caustic

alkali for a period and at a temperature sufficient to effect release of nucleic acid, but insufficient to cause any substantial decomposition thereof, neutralizing the hydrolysate, filtering, adding a water soluble calcium salt, adjusting acidity with precipitation of calcium nucleate, separating calcium nucleate from liquid, dissolving thus separated nucleate in a solution of an alkali metal acetate, separating solid and liquid, adding alcohol thereto, and acidifying whereby precipitation of nucleic acid is effected.

2,387,041

TOGGLE LEVER PRESS

Adolf Schneider and Ewald Ungethuem, Karlsruhe, Baden, Germany; vested in the Alien Property Custodian
Application April 5, 1938, Serial No. 200,282
In Germany April 10, 1937
4 Claims. (Cl. 100—70)



1. In a toggle lever press, a ram, a motor for driving said ram, clutch means for coupling said motor to said ram; a hydraulic operating system comprising a source of hydraulic pressure, means for utilizing said pressure to operate said clutch means, a control valve selectively operative to apply pressure to the last said means for mechanically driving said ram, said control valve having retaining means effective in the operated position of said valve, automatic releasing means connected with said ram and with said retaining means and operative to release said retaining means when said ram has completed one cycle of operation in said press, whereby pressure is removed from said clutch means, a table for said press having work ejecting means; and actuating means for said control valve having safety means operatively related to said work ejecting means and effective to prevent operation of said control valve when said work ejecting means is in operation.

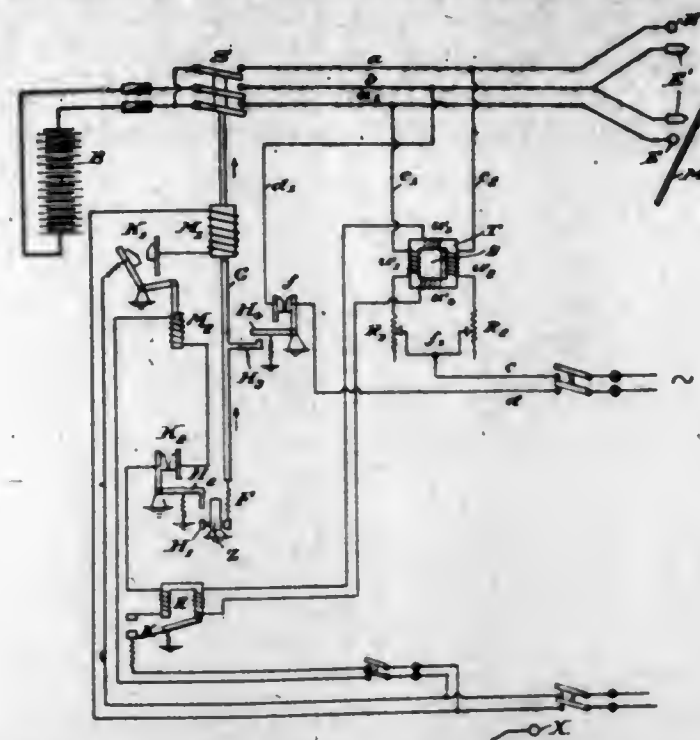
2,387,042

SUBAQUEOUS ELECTRIC CUTTING

Eugen Seifried, assignor to the Government of the United States, as represented by the Secretary of the Navy
Application October 12, 1921, Serial No. 507,350
Renewed March 16, 1926
11 Claims. (Cl. 219—11)

11. Sub-aqueous cutting apparatus, comprising a pair of submerged electrodes, means to apply low direct current potential to said electrodes, means to balance the electromagnetic effect associated with said low potential, means automati-

cally responsive to unbalance of said effects to cut off said low potential and apply high potential, and means to cut off said high potential after a predetermined time.



2,387,043

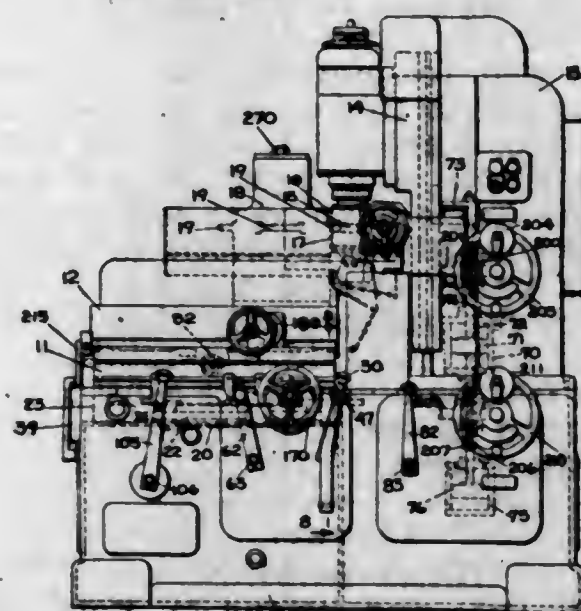
5-AMINOHEXAHYDROPYRIMIDINES AND PROCESS FOR PREPARING SAME

Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application July 29, 1944,
Serial No. 547,282
6 Claims. (Cl. 260—251)
1. As new compositions of matter, 5-amino-hexahydropyrimidines.

2,387,044

SURFACE GRINDING MACHINE

Herbert A. Silven, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application November 1, 1944, Serial No. 561,401
16 Claims. (Cl. 51—114)

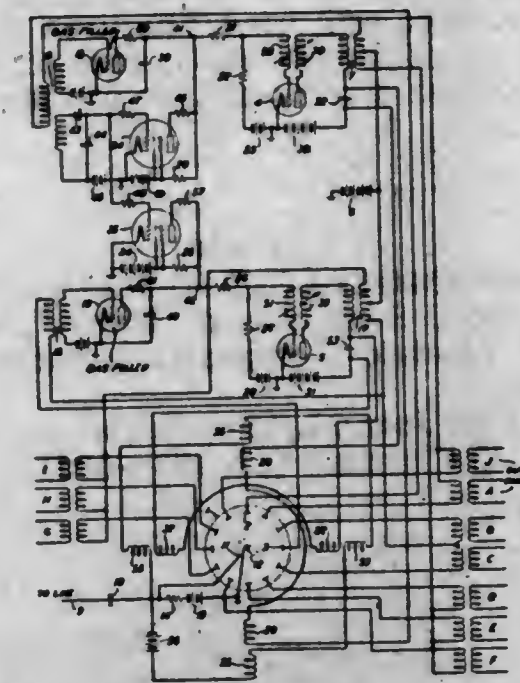


1. In a grinding machine having a base, a wheel slide thereon, a rotatable spindle on said slide, a pair of spaced grinding wheels on said spindle having opposed operative faces which are arranged successively to grind opposed plane faces on a work piece, means including a piston and cylinder to move said slide successively to position the grinding wheel faces in operative positions, and a pair of independent micrometer adjusting mechanisms to limit the movement of said slide in either direction precisely to locate the wheel faces relative to the work piece.

2,387,045

ELECTRON BEAM ROTATION SYNCHRONIZING CIRCUIT

Albert M. Skellett, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 17, 1942, Serial No. 451,355
13 Claims. (Cl. 178—53.1)



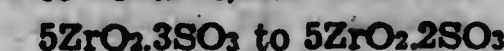
11. In a rotating electron beam synchronizing device for a multianode receiving tube in a communication system, a beam directing device, means for supplying current of uniform magnitude to said device while said tube is awaiting the reception of signals, means responsive to said current of uniform magnitude for establishing a condition within said tube, tending to direct an electron beam emitted by said tube in response to the reception of the first signal element of a train of signal elements by said tube, first at a particular preselected one of a plurality of anodes in said tube, means responsive to the reception of said first signal element for directing said beam at said preselected anode and means responsive to the reception of said first signal element for changing said current to a variable current to rotate said beam.

2,387,046

PREPARATION OF ZIRCONIUM DIOXIDE

Eugene Wainer, Niagara Falls, N. Y., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 31, 1941,
Serial No. 404,875
20 Claims. (Cl. 23—24)

5. The method of purifying crude zirconium compounds or ores, comprising roasting crude zirconium oxide ore, containing not more than 10% silica and not more than 3% titania, with material taken from the class consisting of oxides, hydroxides and carbonates of the alkali metals and alkaline earth metals, dissolving the roasted material in hydrochloric acid to form a solution containing zirconium oxychloride, adding sulfate ions and basic ions other than zirconyl ions to said solution, adjusting all said ions in the solution so that the amount of zirconium in said solution calculated as zirconium dioxide being between 100 and 400 grams per liter, the proportion of zirconyl ions to sulfate ions present is between 5 to 2 and 5 to 3 that is, between



the amount of total basic ions in said solution,

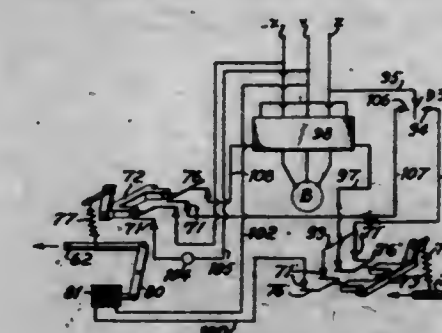
including zirconyl ions, being at least stoichiometrically equivalent to the amount of total acid ions including sulfate and chloride ions, but with the amount of basic ions other than zirconyl being not more than stoichiometrically equivalent to the sulfate ions present, digesting said solution at a temperature between 40° C. and 85° C. to form a precipitate of insoluble zirconium oxysulfate between $5\text{ZrO}_2.3\text{SO}_3$ and $5\text{ZrO}_2.2\text{SO}_3$, and separating said precipitate from the dissolved impurities.

17. The method of preparing improved zirconium dioxide of high purity from crude zirconium compounds or ores, comprising roasting crude zirconium oxide ore, containing not more than 10% silica and not more than 3% titania, with sodium carbonate, treating the roasted material with water to at least partially remove soluble sodium compounds, dissolving the residue in hydrochloric acid to form a solution containing zirconium oxychloride, adding zirconium sulfate solution to said solution in an amount such that the proportion of zirconyl ions to sulfate ions is between 5 to 2 and 5 to 3 that is, between $5\text{ZrO}_2.3\text{SO}_3$ to $5\text{ZrO}_2.2\text{SO}_3$, adding calcium carbonate to said solution in an amount at least equivalent to the sulfate ion in accordance with the ratio, one mole of CaCO_3 to one mole of $\text{SO}_4^{=}$, the amount of zirconium in said solution calculated as zirconium dioxide being between 100 and 400 grams per liter, and the amount of basic ions other than zirconyl being not more than stoichiometrically equivalent to the total sulfate ions present, digesting said solution at a temperature between 40° C. and 85° C. to form a precipitate of insoluble zirconium oxysulfate between $5\text{ZrO}_2.3\text{SO}_3$ and $5\text{ZrO}_2.2\text{SO}_3$, separating said precipitate from the dissolved impurities, washing said precipitate with dilute hydrochloric acid, and calcining said precipitate at a temperature above 900° C. to form zirconium dioxide.

2,387,047

ELECTRIC CONTROL SYSTEM

Samuel Weiss, Portland, Oreg., assignor to Vaughan Motor Company, Inc., Portland, Oreg., a corporation of Oregon
Original application December 29, 1941, Serial No. 424,723. Divided and this application August 3, 1942, Serial No. 453,473
7 Claims. (Cl. 172—239)



1. In combination with a power transmission mechanism including a reversible motor, an electric control system comprising a member associated with said mechanism, said member normally held in a given position but movable longitudinally in one direction out of such position whenever the torque load on said mechanism, when the mechanism is operated in one direction, exceeds a predetermined amount, adjustable spring means holding said member in normal position but adapted to permit longitudinal movement of said member in one direction under said excessive torque load, a pivotally-mounted con-

tact bracket, a pair of stationary contact points, an electrical conductor connected to each of said points, said bracket adapted when in closed position to connect said contact points, a snapover spring actuating said bracket, a slidable trip rod connected to said snapover spring, an engaging element carried by said member and adapted to engage said trip rod to cause said bracket to be swung to open position when said member is moved in one direction, said engaging element so arranged that said trip rod will not be engaged by said element and thus said bracket will not be swung to closed position by said member when said member returns to normal position, a manually-operated switch connecting one of said conductors to a source of electrical power, a magnetic switch connected with the other conductor, said magnetic switch connected to said motor, whereby the closing of said manually-operated switch will cause said motor to operate in one direction so long as said bracket is in closed position and the development of excessive torque load by causing said member to be moved will cause said bracket to be swung into open position and prevent further operation of said motor in that direction, even though said member returns to normal position, until said bracket is swung to closed position, a solenoid adapted, when energized, to move said trip rod in the opposite direction and thereby cause said bracket to be returned to closed position, a second circuit from said manually-operated switch to said magnetic switch controlling said motor and adapted, when closed, to cause said motor to operate in opposite direction, a second pivotally-mounted contact bracket in said second circuit, mechanically-operated means for automatically moving said second contact bracket to open position when said transmission mechanism has operated a predetermined amount in the opposite direction, spring means for keeping said second contact bracket in closed position normally, said second circuit connected also to said solenoid, whereby when said first mentioned contact bracket has been swung to open position by excessive torque load it can not be swung back to closed position until said second circuit is closed to cause said motor and transmission to operate in the opposite direction.

2,387,048

PHOTOENGRAVING OR THE LIKE

Harley C. Alger, Chicago, Ill.

Application July 18, 1942, Serial No. 451,478

3 Claims. (Cl. 95—81)



1. A screen for use in photo-engraving comprising a sheet of transparent base material having a plurality of parallel dense tone solid bands, other parallel dense tone solid bands intersecting the first named bands and circular figures at the intersections of the bands having dense centers and fading toward their peripheries said bands being spaced in accordance with half-tone practice and the circular figures extending beyond the bands and intersecting at substantially midway between the bands.

2,387,049

MODIFIED SHELLAC PRODUCT AND METHOD FOR MAKING SAME

Henry Hall Bassford, Jr., Brooklyn, N. Y., assignor to U. S. Shellac Importers Association, Inc., New York, N. Y., a corporation of New York

No Drawing. Application May 15, 1942,

Serial No. 443,168

5 Claims. (Cl. 260—102)

1. A resin prepared by heating a mixture consisting of shellac and urea, the urea in the mixture being at least one-fourth that of the weight of the shellac at a temperature of approximately 140°–180° C.

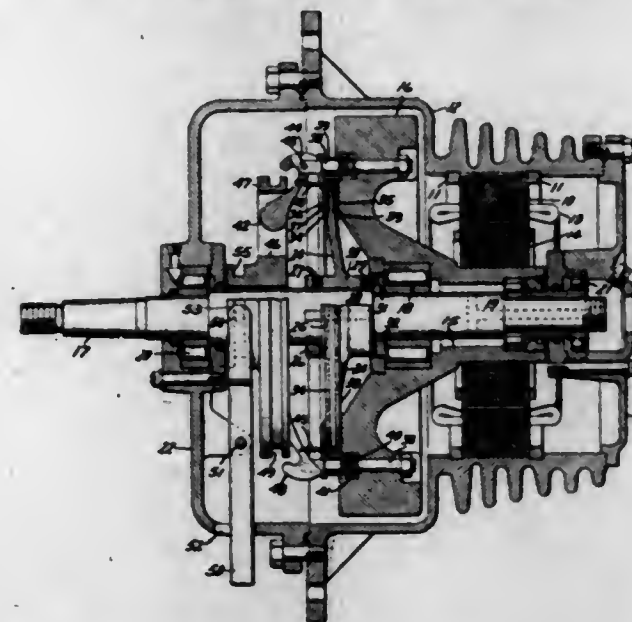
2,387,050

DYNAMOELECTRIC MACHINE

Julius C. Bell, Swampscott, Mass., assignor to General Electric Company, a corporation of New York

Application July 14, 1942, Serial No. 450,850

3 Claims. (Cl. 192—105)



3. In a dynamo-electric machine having a stationary member and a shaft rotatably supported on said stationary member and a rotatable member supported on and rotatably mounted about said shaft, means including a coupling including two clutch members and pivotally mounted centrifugal operating members having a cam surface formed on one end thereof arranged to actuate said clutch members for interconnecting said rotatable member and said shaft, one of said coupling clutch members being secured to said rotatable member and the other being secured to said shaft within said stationary member, surfaces on said coupling clutch members arranged to engage one another frictionally, means including a non-rotatable handle extending through said stationary member and a locking ring operatively connected thereto for moving and locking said centrifugal operating members in inoperative positions, resilient means for biasing said centrifugal operating members to inoperative positions below a predetermined speed, and means for biasing apart said friction coupling members to disengaged positions when said centrifugal operating members are in inoperative positions.

2,387,051

METHOD OF MAKING TUBING

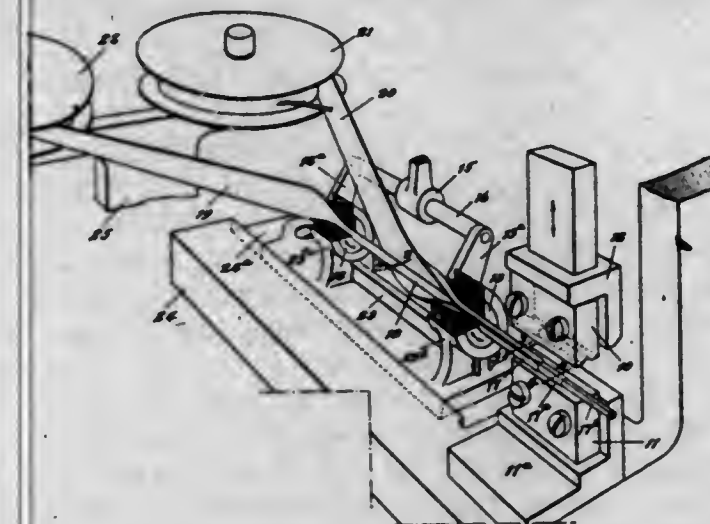
Warren D. Blatz, Bridgeport, Conn., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut

Application April 24, 1942, Serial No. 440,393

3 Claims. (Cl. 29—188)

1. The method of making tubing from continuous strip stock which comprises moving the

stock longitudinally, fashioning successive portions of the stock into tubular form and subjecting successive sections of said tube to cold swaging operations between cooperating dies



constructed and arranged to reduce the diameter of the tube simultaneously throughout a tube section and thicken the wall of said tube sections throughout.

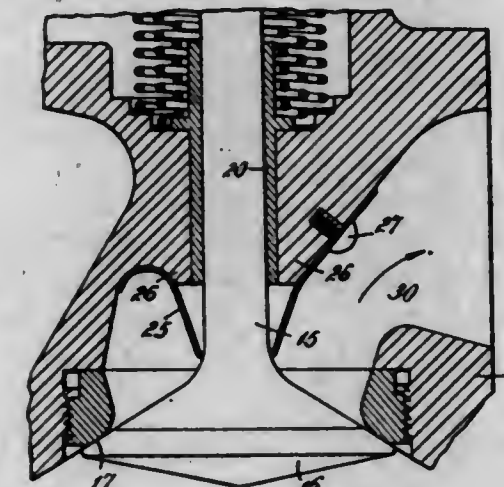
2,387,052

HEAT DEFLECTING MEANS FOR INTERNAL-COMBUSTION ENGINES

Wilhelm B. Bronander, Montclair, N. J.

Application October 2, 1943, Serial No. 504,710

3 Claims. (Cl. 123—188)



1. In an internal combustion engine, a cylinder head having a combustion chamber, an exhaust valve assembly including a cylinder head casting, a valve stem and a valve stem guide mounted in said casting, and deflecting means in said cylinder head fixed to said cylinder head casting and protecting the casting from direct contact with the hot gases and projecting beyond the casting and surrounding the valve stem and the lower end of the guide, for deflecting hot gases from said casting exhaust valve stem and guide.

2,387,053

PINKING SHEARS

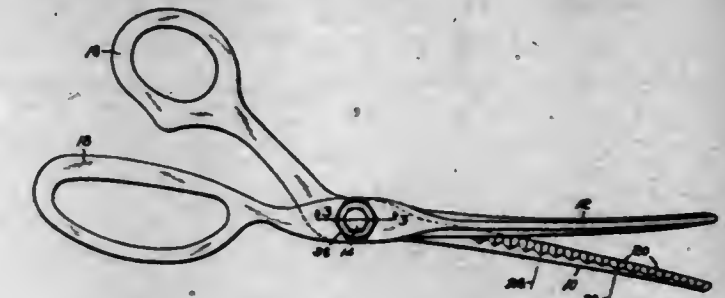
Clyde E. Brown, Grafton, Mass., assignor to Parker Manufacturing Company, Worcester, Mass., a corporation of Massachusetts

Application July 20, 1943, Serial No. 495,463

4 Claims. (Cl. 30—230)

2. Pinking shears comprising a pair of inter-pivoted blade levers having interdigitated teeth on the inner surfaces, the flanks of the teeth inclining from cutting edges at the faces of the levers toward the backs of their respective levers and away from the face of the opposed lever, the

faces of the levers curving outwardly from the pivot in a plane perpendicular to the pivotal axis



and being concaved transversely from the points of the teeth to the outer side.

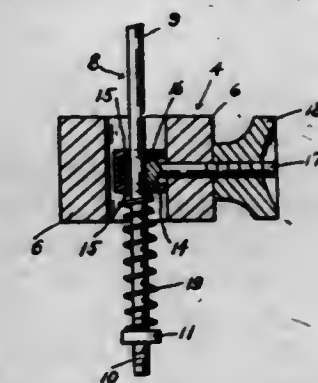
2,387,054

COMBINATION TWEEZERS AND MAGNIFYING DEVICE

George B. Brustolon, Groton, Conn.

Application November 3, 1943, Serial No. 508,855

1 Claim. (Cl. 287—20.1)



In a device of the character described, a member formed with a transverse opening, a stem slidably and rotatably passing through said opening and having a threaded end portion projected from one side of said member and a head at its opposite end spaced from the member at the other side thereof from the protruding threaded end portion of the stem, said head being formed with an opening extending transversely of the stem, a socket member of greater depth than said head fitting about the head and having its inner end abutting the confronting side face of said member, said socket member having its walls formed with aligned openings for registering with the opening of the head, a rod passing through the openings of the head and the socket member and slidable through the openings, a spring about said rod having its inner end abutting the socket member, a tensioning nut for said spring threaded upon said rod and engaging the outer end of the spring, said spring yieldably resisting sliding of the rod through the socket member and the head in one direction, and a binding nut upon the threaded end portion of the stem for drawing the head into binding engagement with the rod holding the socket member firmly against the said member.

2,387,055

ELECTRIC SWITCH FOR DISCHARGE LAMPS

Frank D. Bryant, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application May 20, 1942, Serial No. 443,701

8 Claims. (Cl. 200—6)

1. In a switch mechanism, a base of insulating material having a recess therein, a plurality of spaced circuit controlling contacts in the wall of the base forming said recess, a rotatable operating member in said recess, said rotatable mem-

ber being provided with a plurality of cam surfaces cooperating with said contacts to control an electrical circuit therethrough, and spring means adapted to bias said operating member, rotation of said operating member in one direction causing said cam surfaces to close said con-



tacts and said spring means to bias said operating member, rotation of said operating member in the other direction by the biasing action of said spring means causing certain of said cam surfaces to open the cooperating contacts while one of said cam surfaces maintains a corresponding contact closed.

2,387,056

SURFACE PLATE COATINGS

Arthur W. Buck and Joseph W. Miller, St. Louis, Mo., assignors to Buck X-Ograph Company, St. Louis, Mo., a corporation of Missouri
No Drawing. Application April 12, 1943,
Serial No. 482,824

2 Claims. (Cl. 95-7)

1. A solution for coating a printing plate comprising, a sensitizer, casein approximately 12 parts, gelatin from 4 to 6 parts, and borax approximately 1 part.

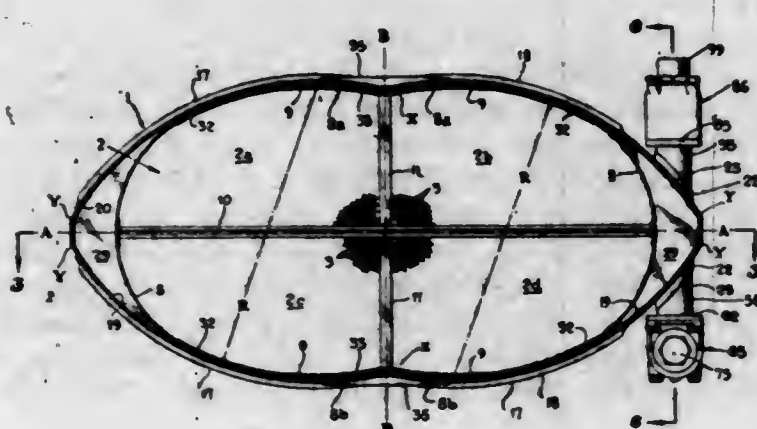
2,387,057

OIL COOLER FOR AIRCRAFT

Bruce Burns, Los Angeles, Calif., assignor to The Garrett Corporation, Aircor Research Manufacturing Company division, Los Angeles, Calif., a corporation of California

Application January 25, 1943, Serial No. 473,544

4 Claims. (Cl. 257-128)



1. In fluid cooling means, the combination of: an oval core; an oval shell for said core having fluid inlet and outlet means; a unitary baffle and bypass means in said shell comprising a plurality of forward and return ducts extending across the interior of said core in a plane coinciding with the major axis of the shell, spacers between said ducts, and manifold means for the ends of said ducts, said manifold means being connected to said shell so that said baffle and bypass means will resist longitudinal contraction of said shell; and means to connect at least one of said manifold means with said inlet and outlet means.

2,387,058

TREATMENT OF COTTON FIBERS

Elmer J. Cerny, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application October 6, 1942,
Serial No. 460,985

4 Claims. (Cl. 57-164)

1. The method of treating cotton which comprises preparing a sliver of substantially uniform thickness and consisting of a multiplicity of untwisted cotton fibers in substantially parallel relation, passing the sliver between a first pair of rotating rolls and thence between a second pair of rotating rolls, the said second pair of rolls being weighted substantially equally to the said first pair of rolls and being spaced from the said first pair of rolls a distance less than the length of the cotton fibers in the sliver so that the ends of the individual cotton fibers in the sliver are simultaneously gripped with substantially equal forces by the two pairs of rolls, and rotating the said second pair of rolls at a peripheral speed sufficiently greater than the speed of rotation of the said first pair of rolls substantially to stretch the individual cotton fibers in the sliver without breakage thereof, whereby to obtain a sliver of substantially the same thickness as the original sliver but in which the tensile strength and fatigue resistance of the individual cotton fibers is substantially improved.

2,387,059

SEAT-COVER PACKAGE

Louis Clark, Pomona, Calif., assignor to Protecto Products Co. Inc., Pomona, Calif., a corporation of California

Original application July 14, 1942, Serial No. 450,839. Divided and this application December 10, 1943, Serial No. 513,688

2 Claims. (Cl. 206-57)

2. A package of seat-covers comprising an envelope having front and rear walls which con-



verge from a lower base end in the direction of an upper edge and forming a container substantially triangular in transverse vertical cross-section, said front wall having a horizontal, elongated opening formed therein substantially below said upper edge, and a pack of seat-covers within said envelope, each seat-cover being individually-folded so that it has a short flap and a contiguous long flap and so that the folded edge is located at the lower end of the pack, the short flap of the foremost seat-cover in said pack being adjacent said front wall and said pack occupying said envelope so that the folded edges of said sheets are located adjacent said base end, whereby the thickness of the material of the seat-covers at the bottom of the pack is double that at the top, the converging front and rear walls of said envelope acting upon the upper portions of the

long flaps of said seat-covers to press said portions together to compensate for the reduction in the thickness of the material of the seat-covers at the top of the envelope and in so doing support the seat-covers in an upright position in such a manner as to prevent them from sagging in said envelope and thereby insure their proper withdrawal as the pack is depleted.

2,387,060

SHIRT

Joseph L. Corbi, Washington, D. C.
Application July 17, 1944, Serial No. 545,209
1 Claim. (Cl. 2-115)



A shirt of the kind described, comprising a body having a front opening and collar, means for fastening the opening closed, overlapping flaps stitched at their outer edges at opposite sides of the front opening, their upper ends secured under the collar and forming a V-shaped opening at the upper end, means for fastening the overlapping flaps together, and lateral wings formed integral with the flaps and having their outer and lower edges stitched to the body to form pockets.

2,387,061

SKI

Oliver A. Erickson, Jamestown, N. Y.
Application January 8, 1943, Serial No. 471,687
2 Claims. (Cl. 280-11.13)



1. In a multiple part ski, front and rear sections that in end to end relationship provide the entire runner surface of the ski, an intermediate section in superposed overlapping position on said sections, connectors for joining said sections to said intermediate section, said connectors including portions extending in an incline above the top surfaces of said sections, said intermediate section having recesses corresponding in size and number to said portions and adapted to receive and engage said portions through relative endwise movement of said front and rear sections.

2,387,062

DYNAMOELECTRIC MACHINE

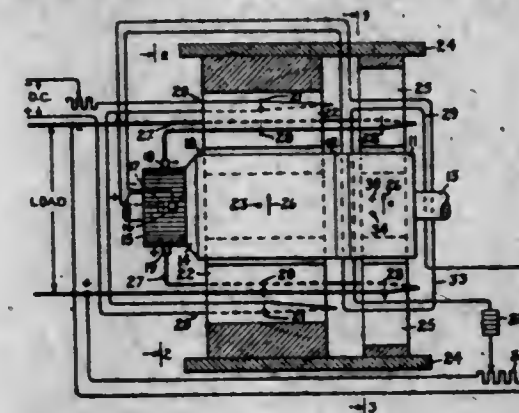
Fremont Felix and Adolph C. Hugin, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application June 1, 1944, Serial No. 538,250

8 Claims. (Cl. 171-223)

1. A dynamoelectric machine including a stationary member and a rotatable member having a core of magnetic material, means including a non-magnetic spacer in said core for dividing said core into a pair of substantially separate magnetic circuits, a winding in said rotatable member core, a commutator connected to said winding, load

brushes for said commutator, means including a field exciting winding for providing a control component of excitation to substantially only one of said magnetic circuits for controlling the voltage of said machine, and means including a second field exciting winding arranged around the other of said core magnetic circuits for providing a component of excitation to substantially only the



other of said magnetic circuits for inducing a component of voltage in said rotatable member winding variable with and substantially equal and opposite to the component of voltage produced at said load brushes by the excitation of said control field exciting winding above substantial saturation of said first-mentioned magnetic circuit for providing a substantially constant and predetermined maximum voltage to said machine above said saturation.

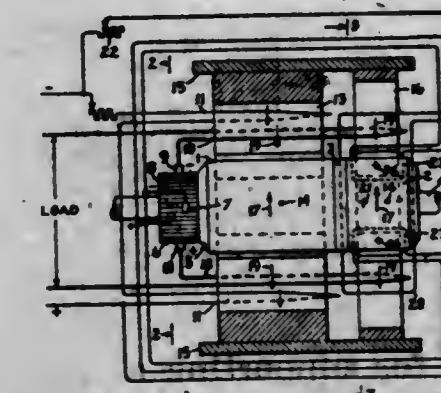
2,387,063

DYNAMOELECTRIC MACHINE

Adolph C. Hugin, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application June 1, 1944, Serial No. 538,258

14 Claims. (Cl. 171-223)



1. A dynamoelectric machine including a stationary member and a rotatable member having a core of magnetic material, means for dividing said rotatable member core into a pair of magnetically substantially separate sections, a winding in both sections of said rotatable member core, a commutator connected to said winding, means including a field exciting winding providing a control component of excitation to one of said rotatable member sections for controlling the voltage of said machine, and means providing a component of excitation to the other of said rotatable member sections for limiting the maximum voltage of said machine to a substantially predetermined value with variations in the current in said rotatable member.

2,387,064

CHAIN SAW

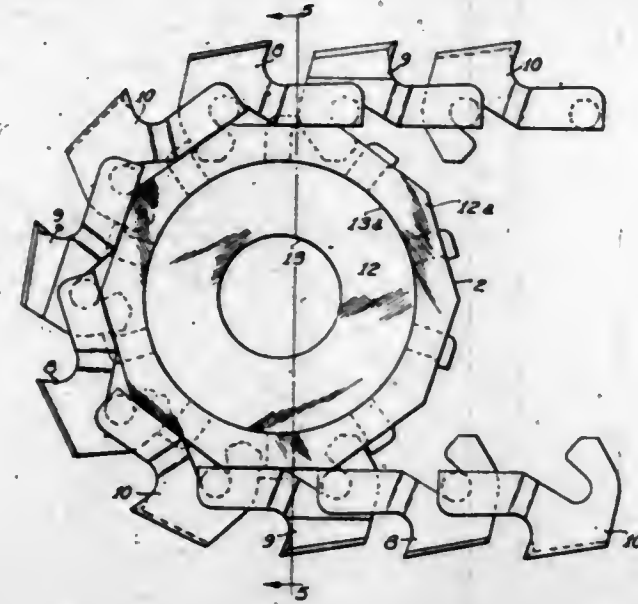
Mark L. Forrest, Portland, Oreg.

Application June 16, 1942, Serial No. 447,207

13 Claims. (Cl. 143-135)

2. A chain saw comprising a plurality of saw members pivotally joined one with another, man-

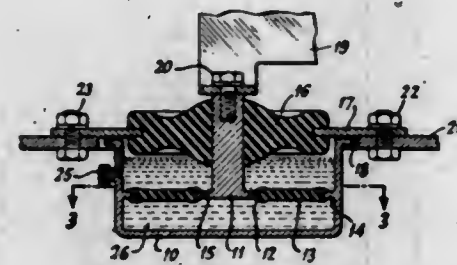
ually detachable means joining said members to adjacent members, said saw members being similar one with the other, each comprising two formed side elements joined solidly together and resembling a boot in outline, defining heel, toe, in-



step and uppers portions, the instep portion of said saw member defining a seat and a slotted guideway for engaging the pivotal element on an adjacent member, said guideway sloping obliquely rearwardly and upwardly towards said uppers portion.

2,387,065 MOUNTING

Lloyd E. Harding, Bradley Beach, N. J., assignor of one-fifth to Edmund J. Lada, Woodhaven, N. Y., and one-fifth to William A. Zalesak, Union, N. J.
Application December 11, 1943, Serial No. 513,848
10 Claims. (Cl. 248—358)



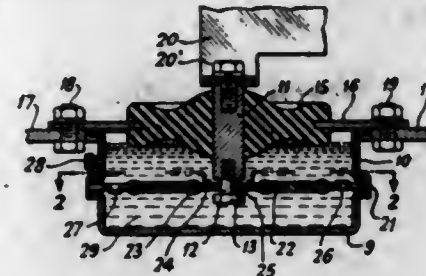
1. A mount for supporting a load subjected to vibration and shock and including a member to be fixed to a load and subjected to axial movement, a supporting element adapted to be secured to a fixed support and having a central opening, and resilient means fixed between said member and said element and resiliently supporting said member within said opening, means associated with said member and said element and providing viscous damping, said means including an apertured element and a pot shaped element containing a fluid and within which said apertured element is mounted for axial movement, said liquid having access to opposite sides of said apertured element only through the apertures.

2,387,066 MOUNT SUPPORT

Lloyd E. Harding, Bradley Beach, N. J., assignor of one-fifth to Edmund J. Lada, Woodhaven, N. Y., and one-fifth to William A. Zalesak, Union, N. J.
Application March 22, 1944, Serial No. 527,535
10 Claims. (Cl. 248—358)

1. A mount for supporting a load subject to vibration and shock and including a member to be

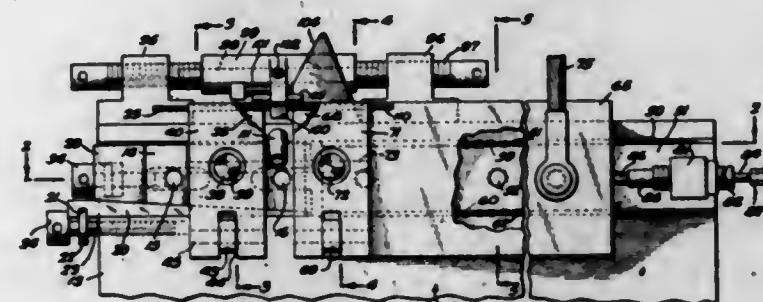
fixed to a load and having axial movement, a supporting element adapted to be secured to a fixed support and having a central opening, and resilient means fixed between said member and said element and resiliently supporting said member within said opening, means associated with said member and said element and providing viscous damping, said means including an apertured ele-



ment and a pot-shaped element containing fluid and within which said apertured element is mounted for axial movement, said fluid having access to opposite sides of said apertured element through said apertures and means for causing said apertured element to have axial movement only when the supported load is subjected to movement beyond predetermined limits due to its natural frequency of vibration or to shock.

2,387,067 WELDING APPARATUS

Herbert P. Heath, Riverside, and Keith A. Weston, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 13, 1943, Serial No. 486,756
3 Claims. (Cl. 219—4)



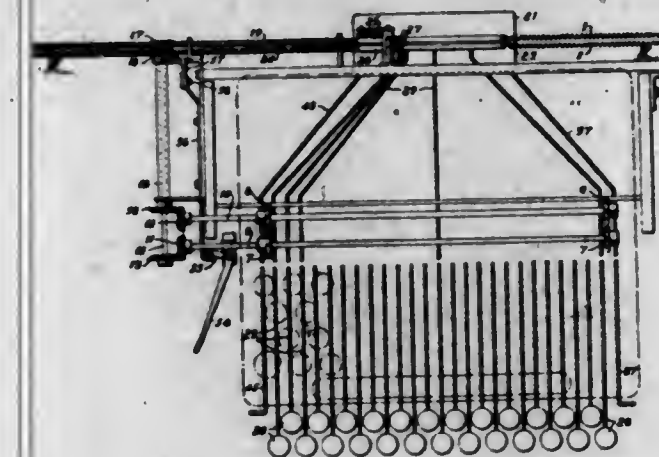
3. In an apparatus for butt welding rods or wires, relatively fixed clamping jaws for clamping one wire in position to have another wire welded to it, a set of relatively movable jaws for clamping said other rod or wire in alignment with the first-mentioned rod or wire, means for supporting the relatively movable jaws for movement toward and away from the relatively fixed jaws, gage means movable to position between rods held by said jaws, and an adjustable abutment member on said gage means for positioning the relatively movable jaws with respect to the relatively fixed jaws.

2,387,068 ATTACHMENT FOR TYPEWRITING MACHINES

Paul Hegnauer, Berlin, Germany, assignor to Ruf-Buchhaltung Aktiengesellschaft, Zurich, Switzerland, a corporation of Switzerland
Application January 6, 1943, Serial No. 471,521
In Switzerland March 30, 1942
10 Claims. (Cl. 197—128)

1. In a typewriting machine having a paper carriage means for feeding at least one sheet in front of the platen said means comprising at least one rack, slidably mounted in the carriage, a gearing positively driven by said rack, spur wheels forming part of the gearing and engaging per-

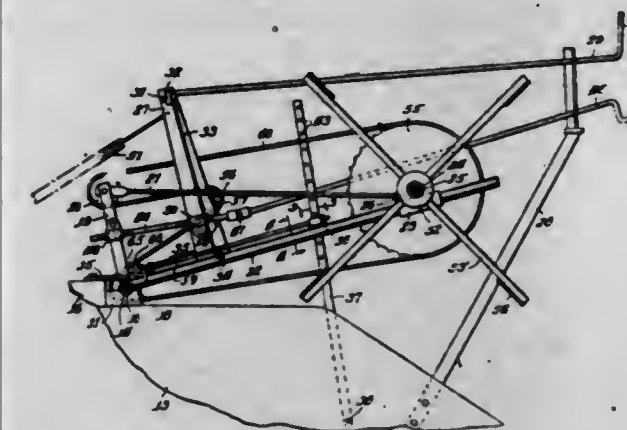
forations of the sheet to be located, a spring acting on said rack, means to tension said spring,



means to retain the rack against the action of said spring, means to release the rack and means to stop the rack at a predetermined position.

2,387,069 HARVESTER REEL

Hjalmar Q. Herrstrom, Rock Island, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 31, 1943, Serial No. 516,403
15 Claims. (Cl. 56—222)



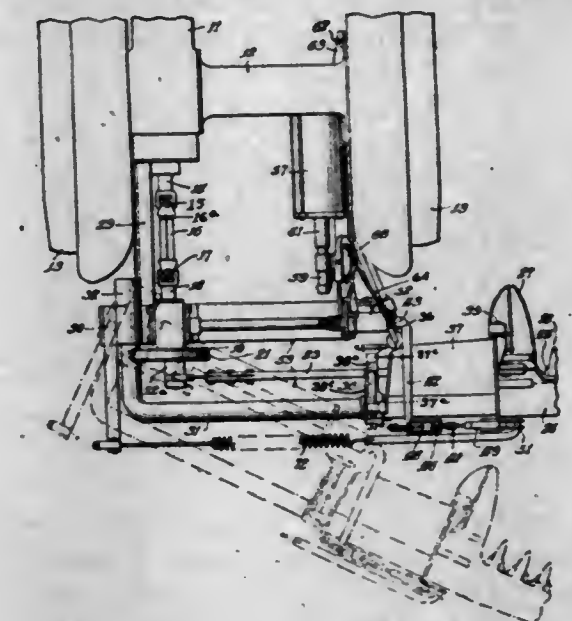
1. A reel construction and adjusting mechanism therefor, comprising a frame structure, a transverse shaft rotatably mounted on said frame structure, upwardly-extending lever arms at the ends of said shaft secured thereto for oscillation therewith, a pair of longitudinal and forwardly-extending supporting bars journaled on said shaft adjacent the lever arms for oscillation with respect to the shaft, reel-supporting members slidably mounted on said bars, a reel carried by said supporting members, and adjusting members pivotally secured to the upstanding lever arms and to the reel-supporting members whereby oscillation of said levers moves the reel longitudinally of the supporting bars.

2,387,070 MOWER

Samuel E. Hilblom, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application September 23, 1943, Serial No. 503,474
3 Claims. (Cl. 56—25)

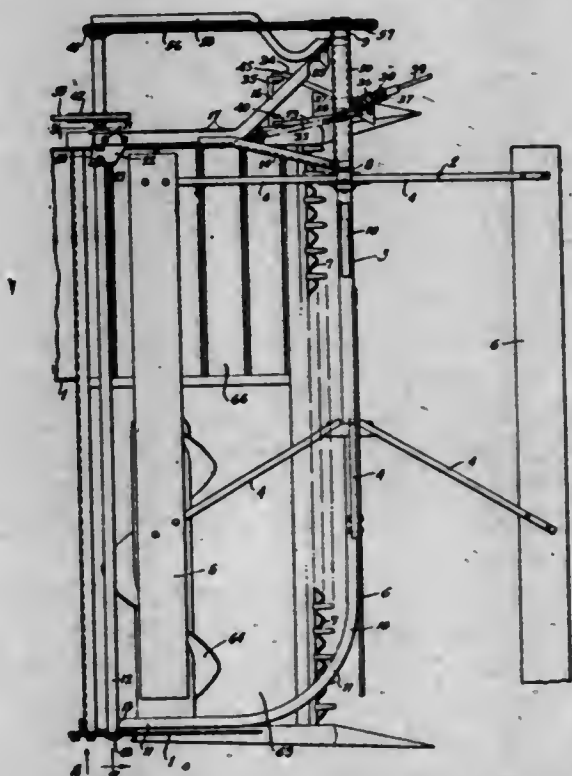
1. A rear mounted tractor mower capable of horizontal and vertical movement with respect to the tractor, a power-operated arm on said tractor, a pulley on and movable with said mower and extending forwardly beyond the end of said power-operated arm, a cable extending around the pulley and between the power-operated arm and the mower whereby movement of said power-op-

erated arm causes a lifting of the mower through its vertical range of movement, and releasable means associated intermediate the mower and the tractor whereby upon rearward swinging of



the mower with respect to the tractor the pulley swings into position between the tractor and mower thus maintaining a continuous slack in the cable for rearward swinging of the mower.

2,387,071
HARVESTER REEL MOUNTING
Rex B. Hitchcock, Evanston, and Arthur H. Keller, Moline, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application March 8, 1943, Serial No. 478,379
13 Claims. (Cl. 56—222)

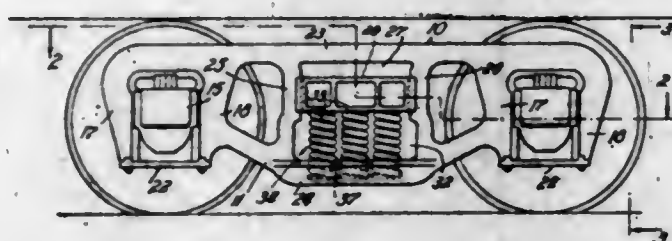


1. A harvester comprising a frame having opposed slots therein, a reel, a member supported within said slots, supporting means for said reel attached to said member, said member comprising a pair of spaced apart aligned shafts, a bracket therebetween, sleeves surrounding said shafts, a radially extending flange at the end of one of said shafts, and means for pinching one of said superposed sleeves between the flange at the end of the shaft on which it is mounted and the frame, whereby adjustment of said member along the length of the slots in said frame is accomplished at one side of the harvester.

2,387,072

HIGH-SPEED RAILWAY CAR TRUCK

Cyrus J. Holland and Knute Edahl, Chicago, Ill., assignors, by direct and mesne assignments, to Holland Company, a corporation of Illinois
Application July 3, 1942, Serial No. 449,558
10 Claims. (Cl. 105-185)



6. In a railway truck, a pair of wheeled axles, journal boxes for said axles, side frames on opposite sides of the truck, and means effective between said side frames and the corresponding journal boxes to support the side frames, to permit the side frames to rock laterally in response to centrifugal force and also in response to centrifugal force to cause the side frame on the outside of a curve to shift its fulcrum of support inward and take a position of greater elevation than the side frame on the inside of the curve thereby to provide a banking action.

2,387,073

ROTOR FOR ELECTRIC MOTORS

Albert F. Horiacher, Palatine, Ill., assignor to C. P. Clare & Co., Chicago, Ill., a corporation of Illinois
Application October 8, 1943, Serial No. 505,453
6 Claims. (Cl. 172-120)



1. A rotor unit for electric motors, comprising a cylindrically shaped shell composed of a conducting non-magnetic metal such as copper, and a body of compressed iron powder in said shell, the shell having longitudinally running slots in its periphery and the iron powder substantially filling said slots.

2. A rotor unit for electric motors, comprising a cylindrically shaped shell composed of a compressed powder of a conducting non-magnetic metal such as copper, and a body of compressed iron powder in said shell, the shell having longitudinally running slots in its periphery and the iron powder substantially filling said slots.

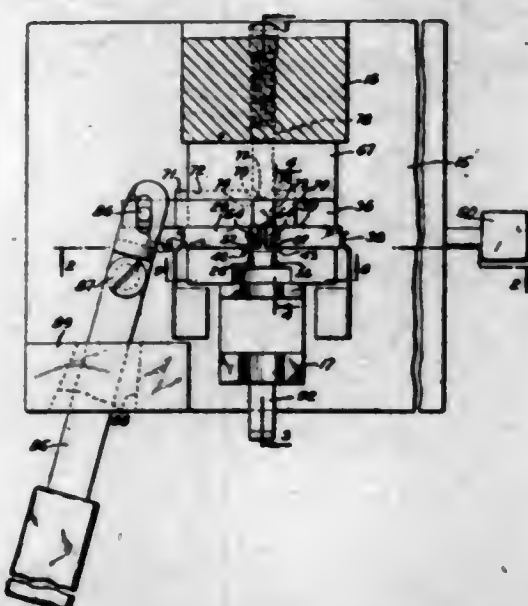
2,387,074

MATERIAL WORKING APPARATUS

James C. Hroch, Jr., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 29, 1944, Serial No. 524,421
9 Claims. (Cl. 140-71.5)

1. An apparatus for forming spaced members extending from a base comprising a support for said base, means for forming said extending members to a predetermined shape, means effective upon movement of said forming means to opera-

tive positions for retaining said forming means in operated position until said base and members

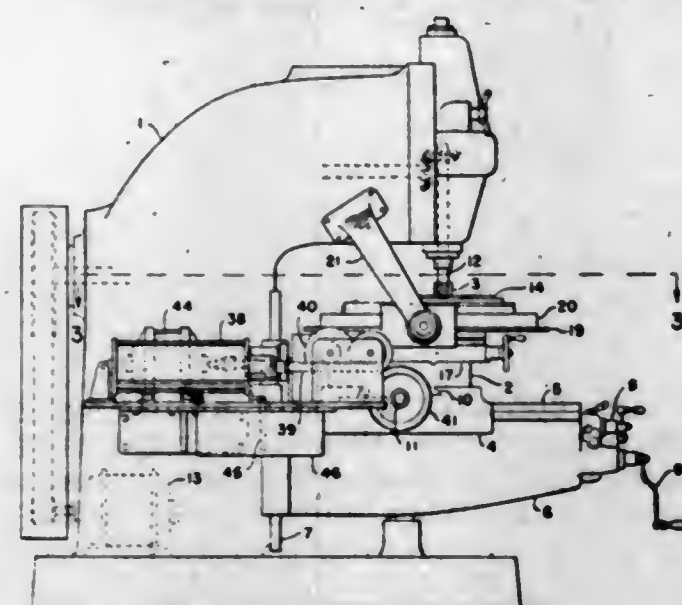


are ejected, and means for ejecting said base and formed members.

2,387,075

MACHINE TOOL CONTROL

Clarence Johnson, South Euclid, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Original application March 20, 1941, Serial No. 384,375, now Patent No. 2,372,426, dated March 27, 1945. Divided and this application June 17, 1943, Serial No. 491,239 1/2
14 Claims. (Cl. 90-13.4)



1. In a duplicator for machine tools and the like having a relatively movable tool and work piece, a member for relatively moving said work piece and tool, a servo-motor normally in engagement with said member for driving the same and positionable in either direction between predetermined limits, means operative upon said servo-motor reaching one of said limits for disengaging said servo-motor from said member for an increment of time, and means for positioning said servo-motor away from said limit during said increment of time.

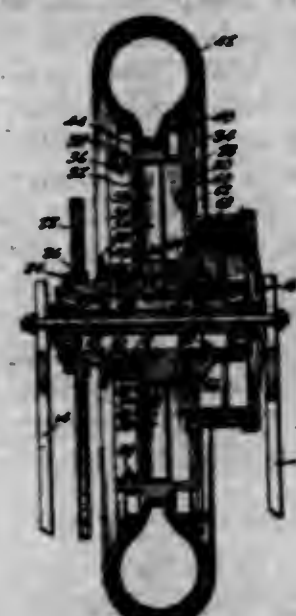
2,387,076

MOTORCYCLE FLUID DRIVE

Carle A. Johnson, Laconia, N. H.
Application May 5, 1943, Serial No. 485,775
3 Claims. (Cl. 180-33)

1. In a motorcycle drive wheel, the combination of first and second hub parts, means supporting the hub parts for coaxial relative rotary movement, a driving means for the first hub part, a tire mounted on said second hub part, a fluid coupling operatively connecting the first and sec-

ond hub parts, a frame mount extending through said first and second hub parts, and bearings

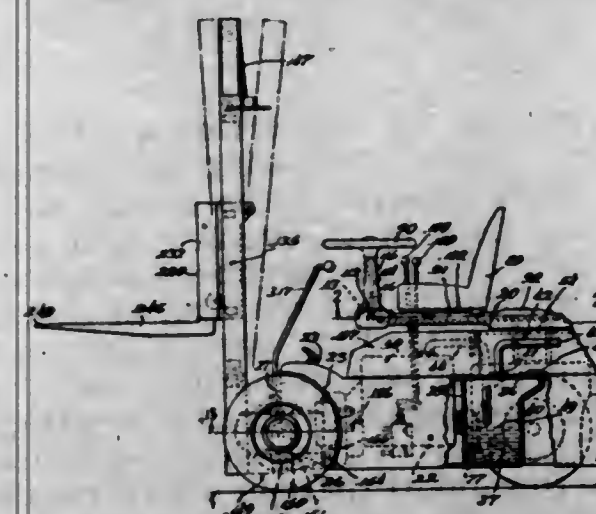


interposed between the hub parts and said frame mount.

2,387,077

LIFT TRUCK

George V. Johnson, Portland, Oreg., assignor to Willamette Hyster Company, Portland, Oreg., a corporation of Oregon
Application December 31, 1943, Serial No. 516,405
22 Claims. (Cl. 280-92)



1. In an industrial truck, the combination of a chassis frame comprising a metal member formed at its rear end with a wall, said wall carrying at its upper portion a relatively large bearing housing having a vertically extending cylindrical bore with a rear wheel support comprising a metal member having a vertically extending shaft adapted to be received in said bore and supported therein for rotation about a vertical axis, a guide plate carried by the upper end of said shaft, a tension driving member secured to said plate and passing around a rotatable driving member located forwardly on said chassis, and a steering member for controlling said driving member.

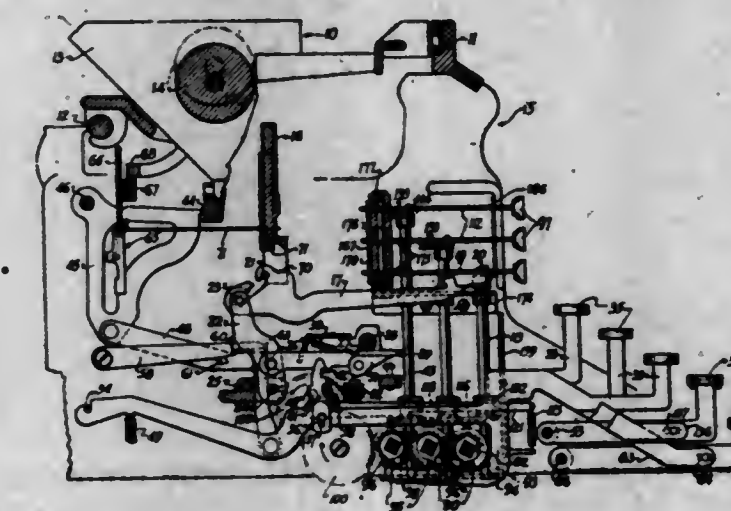
2,387,078

TYPEWRITING MACHINE

Alfred G. F. Kurowski, Brooklyn, N. Y., assignor to Underwood Corporation, a corporation of Delaware
Application March 8, 1944, Serial No. 525,808
8 Claims. (Cl. 197-7)

1. In a typewriting machine, the combination with a series of types which are selectively actuable to a common typing point, of a power-operating-member common to all said types, a series of normally idle type-actuators disposed laterally of each other in the machine, each actuator connectible transitorily with said power-

operating-member for individual operation thereby, and each actuator, when so connected, being effective to actuate a particular one of said types to said typing point, means including a type-key, individual to each actuator and disposed laterally of each other in the machine, each operable to connect transitorily for a single action the associated type-actuator with said power-operating-member for a single typing operation, a plurality of sets of camming tappets for operating control of said individual connecting means, the tappets of the different sets being disposed relatively to one another to comprise together different specific programs of operating control for said individual connecting means in accordance with different



stock-expressions to be typed, mechanical means to translate the relative disposition of the tappets of said sets into the programs of operation of said individual connecting means which they comprise, said translating means including means normally posed for immediate relative read-out movement with respect to any one of the several sets of tappets, normally ineffective power means selectively conditionable to impart relative read-out movements between any one of different sets of tappets and said posed means at controlled speed, and thereafter to effect prompt relative restoration therebetween, and selectively operable key-means to condition selectively said power means to impart any one of said relative read-out movements.

2,387,079

HEADREST

Gail A. Lansden, Woodburn, Oreg.
Application July 1, 1943, Serial No. 493,089
4 Claims. (Cl. 155-177)

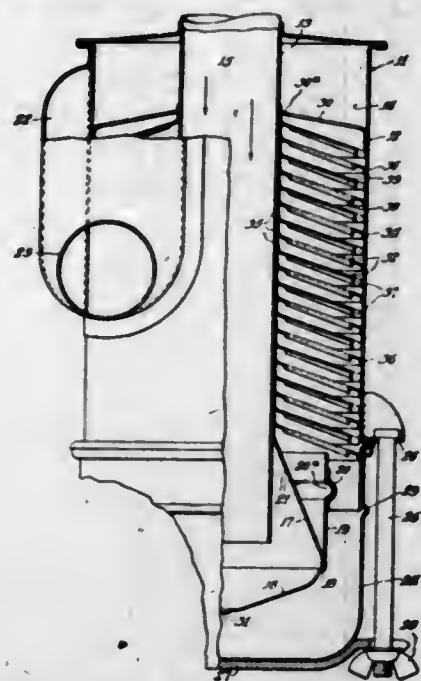


1. A headrest of the type described comprising a mount, a bracket having first and second shafts arranged at an angle to each other, said first shaft being connected with said mount for rotation about a vertical axis, a headrest member connected with said second shaft for relative axial and rotary movement, and means for fixedly relating said headrest element to said second shaft, said headrest having a chin portion and a shank portion adapted to lie along one side of the neck.

2,387,080 AIR CLEANER AND BAFFLE ELEMENT THEREFOR

Gustave E. Lundberg and Arthur R. Crawford, Riverside, Ill., assignors to International Harvester Company, a corporation of New Jersey

Application June 5, 1943, Serial No. 489,832
4 Claims. (Cl. 183-26)

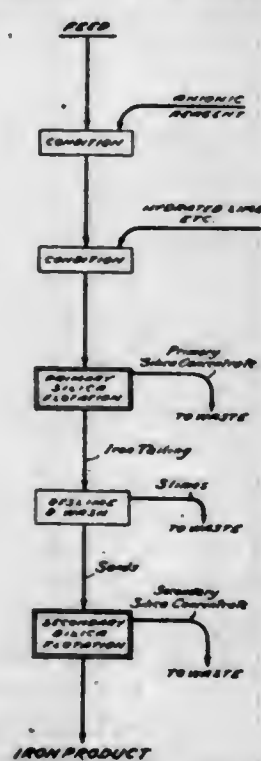


1. An air filter of the oil bath type comprising a casing in which there is an annular up-draft chamber having opposed inner and outer walls, and filter means comprising a series of conical baffle members spaced axially in said chamber with their concave faces disposed downwardly, each of said members having an opening of which the edge engages the inner casing wall, a notched outer edge engaging the outer casing wall and radial air-passing slots bordered by downwardly turned lips to form inverted troughs between the lips of adjacent slots, and said members being circumferentially oriented so the notches in their outer edges are disaligned axially of the casing with the slots of the filter members adjacent thereto.

2,387,081 FLOTATION OF IRON ORES

Earl Conrad Herkenhoff, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application December 10, 1942, Serial No. 468,523
6 Claims. (Cl. 209-166)



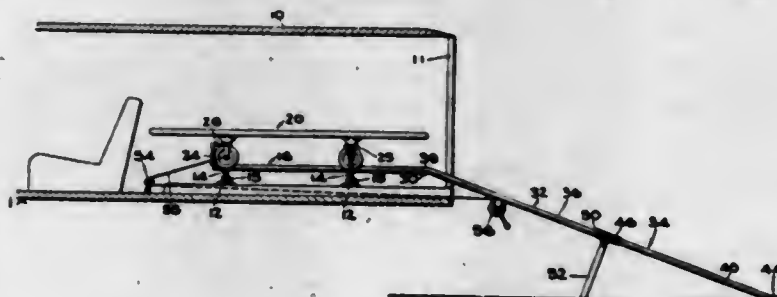
1. A method of beneficiating iron ores containing a silica-bearing gangue by froth flotation

which comprises the steps of making a pulp of the ore of a size suitable for use as flotation feed and subjecting the pulp to two successive conditioning operations in the first of which an anionic promoter selected from the group consisting of the higher fatty acids, resin acids, talloel, and the sodium, potassium and ammonium soaps thereof, is incorporated and in the second of which a sufficient amount of an alkaline earth metal oxide to depress the iron minerals is incorporated, subjecting the conditioned pulp to a froth flotation operation, subjecting the resultant tailings to a desliming operation and subjecting the deslimed sands to a froth flotation operation in the presence of a cationic-type promoter, whereby a tailing rich in iron and low in silica is produced.

2,387,082 STRETCHER ACCOMMODATION MEANS FOR VEHICLES OR THE LIKE

Alfred S. Mallory, Hollywood, Calif.

Application June 15, 1944, Serial No. 540,520
3 Claims. (Cl. 214-85)



1. An apparatus for converting a conventional vehicle into a stretcher-bearing ambulance, said apparatus being adapted to be temporarily connected to the floor of the vehicle and comprising a plurality of socket members adapted to be detachably mounted upon the floor of the vehicle, strut members extending vertically from said socket members, a pair of parallel rails carried by said strut members in parallel elevated position above the floor of the vehicle, said rails being adapted to support thereon a wheeled stretcher and each having mounted at the rear end thereof a socket device, a stretcher loading and unloading device comprising a pair of telescopically connected track devices carrying at one end thereof a pair of boss members adapted to slip-fit into said socket members for detachably connecting said loading-unloading device to said stretcher supporting device, one of said telescopically connected track devices being disposed to underlie the other thereof and having formed thereon flange means overlying and slidably embracing the other of said track sections to maintain said track sections in telescopic connected relation, and stop means carried by said track devices to limit telescopic movements thereof and to prevent accidental disassembly thereof.

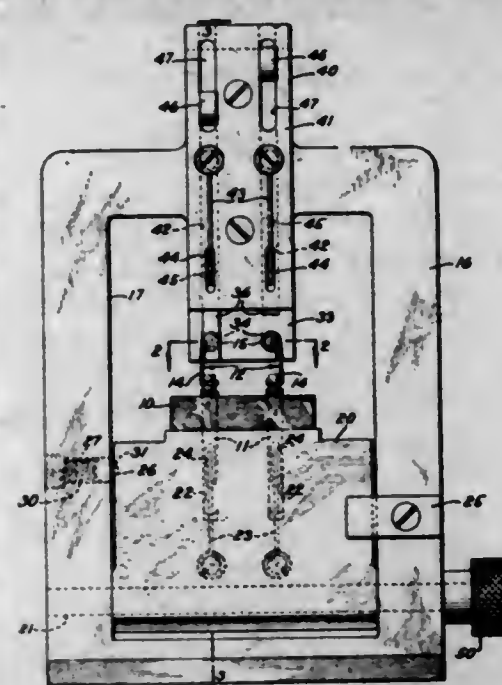
2,387,083 ARTICLE ASSEMBLING FIXTURE

Cecil C. McCain, Glen Ellyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application February 2, 1944, Serial No. 520,794
13 Claims. (Cl. 113-99)

1. A fixture for assembling a mounting wire on a terminal post comprising a pivotal support for the terminal post, means positioned adjacent said pivotal support and having a recess formed therein to receive an offset portion of said mounting wire to position the offset portion of said mounting wire in a predetermined relation to said

terminal post, said pivotal support being movable to carry the offset portion of the mounting

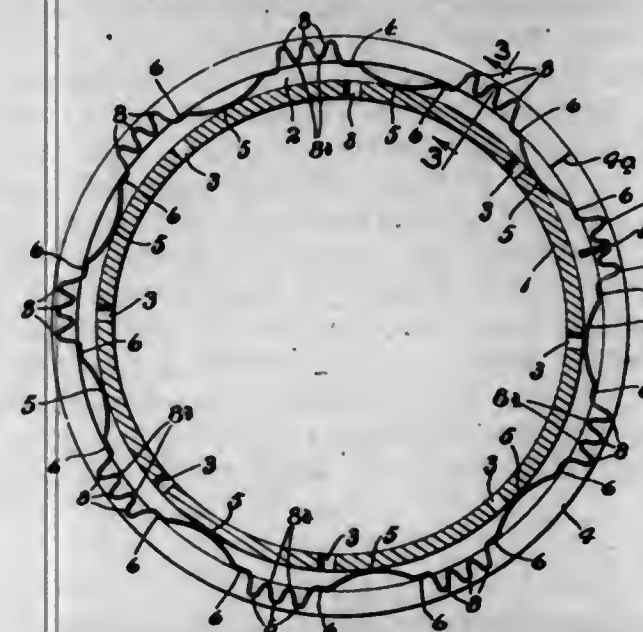


wire into said recess of said positioning means and means for retaining said offset portion of said mounting wire on said positioning means.

2,387,084 PISTON RING STRUCTURE

Thurlo E. McFall, Sparta, and Oliver G. Norton, Muskegon, Mich., assignors, by mesne assignments, to The Perfect Circle Company, Hagerstown, Ind., a corporation of Indiana

Application October 26, 1938, Serial No. 236,976
4 Claims. (Cl. 309-45)



1. A piston ring structure comprising, two spaced parallel thin metallic ring members, and an annular expander of thin spring steel material having spaced apart inwardly bowed portions at the inner sides of said ring members, and adapted to bear at their ends against the inner edges of said ring members, said expander between said inwardly bowed portions being formed into a plurality of outwardly extending corrugations projecting into the space between the ring members to a point close to the outer periphery of said ring members, the axial width of the corrugations being less than the axial width of the bowed portions at each edge thereof by a distance equal to the thickness of one of said ring members.

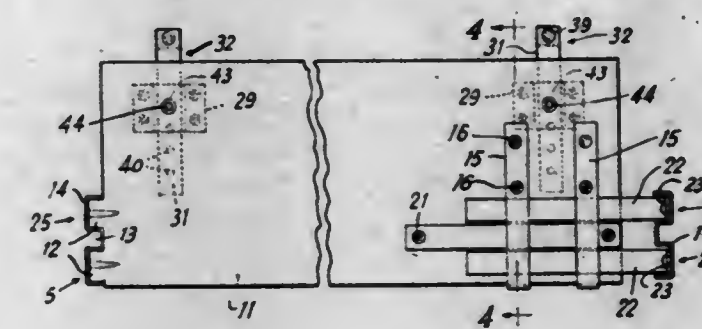
2,387,085 SAFETY WINDOW SEAT

Willy Meyer, Jamaica, N. Y.

Application March 15, 1945, Serial No. 582,831
4 Claims. (Cl. 304-24)

1. In combination with a window frame and the sill thereof, a window seat comprising a board

or the like, said board having teeth projecting from one side thereof engageable in the sash grooves of said frame on said side, said board having an elongated member slidably mounted thereon on the other side thereof having spaced teeth on the outer end thereof in alignment with said first-named teeth and engageable in the

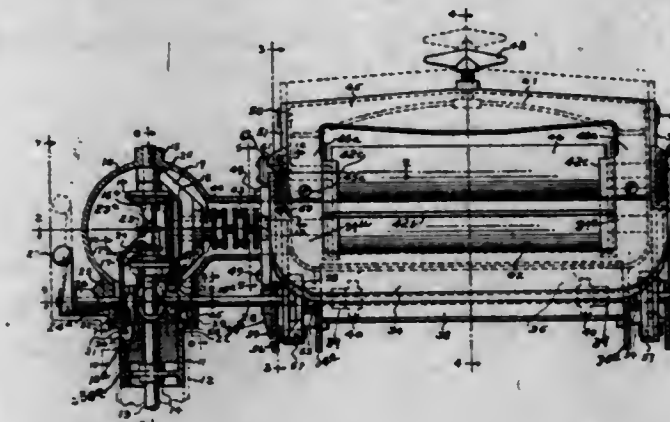


sash grooves on the other side of said frame, strap like resilient members secured at one end to said board and free at the other end and extending over and across said slidable member at right angles thereto, said resilient members engaging said slidable member to restrain said slidable member against inadvertent sliding on said board, and sill supports on said board.

2,387,086 WRINGER

Carl Moon, Detroit, Mich.

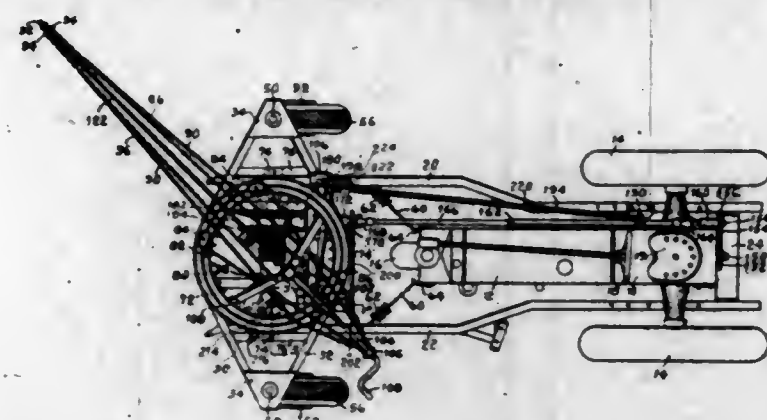
Continuation of application Serial No. 505,318, December 29, 1930. This application February 8, 1939, Serial No. 255,238
55 Claims. (Cl. 68-249)



1. A wringer mechanism or the like including in combination a wringer frame and head rotatably supported on a wringer post, cooperating rolls mounted in said wringer frame, a drive mechanism including a second frame member pivotally mounted in said head, lock mechanism on said second frame member to lock same on the wringer post, a control shaft pivotally mounted in said wringer frame and head extending the full length thereof, a hand lever mounted on each end of said control shaft, mechanism in said wringer and head operable by rotation of said control shaft to apply and release roll pressure, lock and release the frame lock, and stop and start rotation of the wringer rolls, a flexible coupling between the drive mechanism and driven roll permitting pivotal movement of the wringer frame and head with respect to said second frame member and mechanism operable by said relative movement to rotate the control shaft whereby manual rotative movement of the wringer and head on the support post releases pressure on the rolls and stops the rotation of same.

2,387,087 HOIST

Walter O. Nelson, Oslo, Minn., assignor of one-half to Howard E. Baker, Chicago, Ill.
Application November 30, 1942, Serial No. 467,443
16 Claims. (Cl. 212-66)

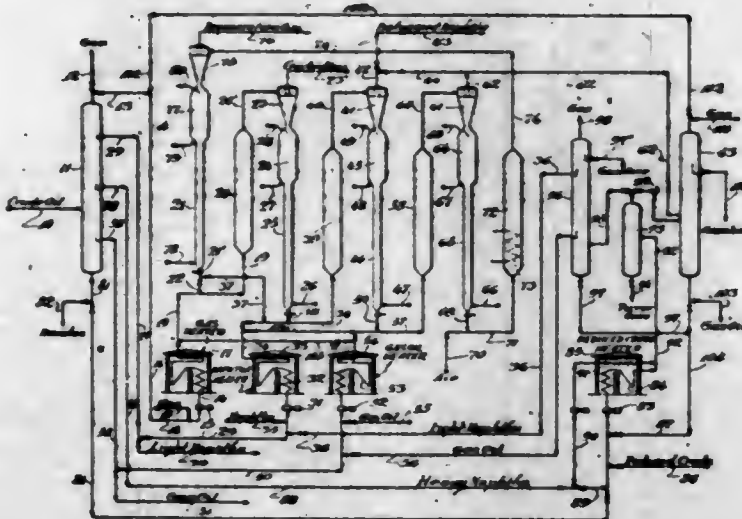


1. A hoisting device adapted to be attached to a tractor, said hoisting device including a frame having a pair of thill-like members extending rearwardly on either side of the tractor, means for attaching the rear ends of the thill-like members to the draw-bar of the tractor, a pair of bogie wheels for supporting the frame, said bogie wheels having a greater wheel spread than the wheel spread of the tractor, and hoisting means mounted on said frame, said hoisting means being located ahead of the tractor and including a turn-table mounted above the bogie wheels.

2,387,088

CATALYTIC HYDROCARBON CONVERSION SYSTEM

Alex G. Oblad, Chicago, Ill., and Llewellyn Heard, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application January 31, 1941, Serial No. 376,820
6 Claims. (Cl. 196-52)



1. The method of obtaining high yields of high quality motor fuel and low losses to gas and coke in a catalytic conversion process wherein hydrocarbon vapors are contacted with a catalyst comprising silica and a metal oxide of the class consisting of alumina and magnesia which method comprises initially contacting said catalyst at elevated temperatures with clean hydrocarbon vapors under such conditions as to deposit on said catalyst about .05 to 1.0% by weight of carbonaceous material, separating said vapors from said catalyst under conditions for preventing condensation of vapors to liquids whereby the catalyst is maintained in dry condition, and subsequently contacting a moving mass of said catalyst with gas oil vapors at a temperature of about 800 to 1000° F., at a pressure of about atmospheric to 50 pounds per square inch, with a gas

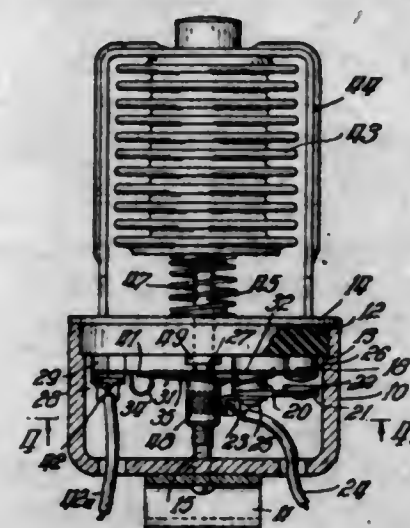
oil vapor residence time in the subsequent contacting zone of at least 2 to 40 seconds and with an amount of catalyst defined by the following formula:

$$T = at^{.534}$$

2,387,089

SNAP ACTION SWITCH

William R. Peterson, Chicago, and Allen G. Ford, Oak Park, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York
Application November 5, 1942, Serial No. 464,580
6 Claims. (Cl. 200-140)

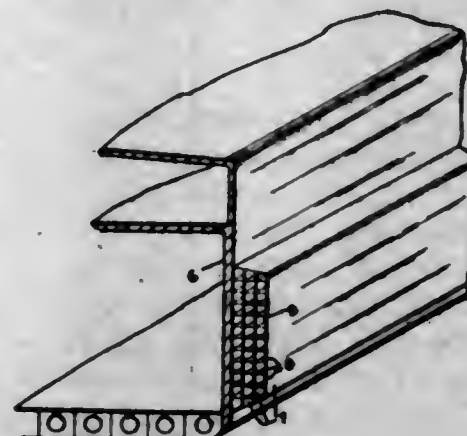


1. A snap action switch comprising a fixed contact, a movable contact for wiping engagement with said fixed contact and including a contact supporting arm one end of which is supported in fixed position and the free end of which is transversely flexible and resiliently extensible in the direction of its length, an actuating arm therefor having one end supported in fixed position and the other end movable from one side to the other of the plane of said contact supporting arm, and a relatively stiff rocker member hingedly engaging the free end portions of said contact supporting arm and said actuating arm; the combined lengths of the movable portion of said actuating arm and said rocker member being greater than the distance between the fixed end portion of said contact supporting arm and the point of its connection with said rocker member.

2,387,090

TORPEDO DEFENSE FOR SHIPS

Gaetano Provenzano, Greenwich, Conn.
Application June 8, 1944, Serial No. 539,275
1 Claim. (Cl. 114-240)



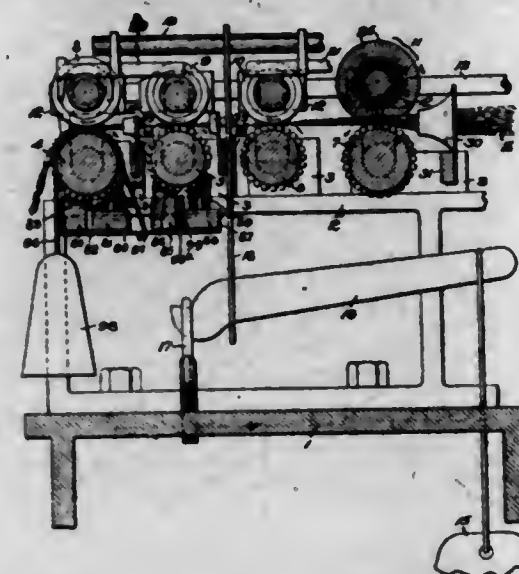
The combination with the hull of a ship, of a buffer connected to the side of the hull and extending longitudinally thereof and below the normal water line of the hull, said buffer consisting of a series of boxes arranged in vertical and horizontal rows and having vertical and horizontal walls, the boxes being made of thin copper and the vertical and horizontal walls be-

ing separated from each other by layers of yielding rubber, and means connecting adjacent horizontal and vertical walls through said layers of rubber, the boxes providing vertical walls having impact resistance considerably below that of the hull of the ship, and the layers of rubber providing shock absorbing means to diminish the force of impact of a charging torpedo against the hull.

2,387,091

DRAFTING TEXTILE FIBER

Elwin H. Rooney, Buttonwoods, R. I.
Application October 30, 1941, Serial No. 417,118
7 Claims. (Cl. 19-130)

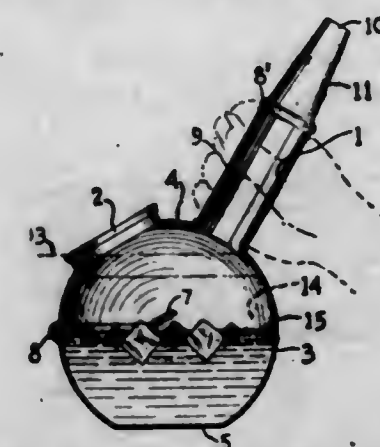


1. That method of preparing solely by rotary roll means fibrous material for subsequent spinning purposes which comprises conditioning and drafting the material in a single roll-frame and which further comprises break-drafting the material with a rotary combing and fiber-controlling action and to an amount above the conventional non-combing solely roll-effected brake-draft of 1 to 2.25 and not greater than about 6.5, and subsequently further drafting the material at two or more inter-roll stations at each of which the draft is within 6.5 and so calculated with reference to said increased and combing-action break-draft as to afford the desired total draft, free of impairment of quality of the product, between the minimum requirement and an available maximum exceeding 100.

2,387,092

WHIRLPOOL FLASK

Peter Schlumbohm, New York, N. Y.
Application November 17, 1942, Serial No. 465,861
6 Claims. (Cl. 65-31)



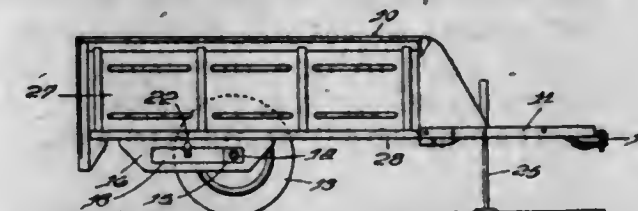
1. A flask having a flask body of substantially spherical shape and comprising two tubulations of different length and different diameter, the tubulation of the larger diameter being of shorter length, said two tubulations being close to each other at their base in the wall of said substantially spherical body, the geometric axis of each

tube passing substantially through the center of said substantially spherical body, the axes forming an angle of approximately 60°, said substantially spherical body having a flat bottom, the plane of said flat bottom forming an angle of approximately 60° with each of the two geometrical axes of the tubulations.

2,387,093

WHEEL TRUCK MOUNTING

William F. Schmied, Blue Island, Ill., assignor to International Harvester Company, a corporation of New Jersey
Original application November 22, 1943, Serial No. 511,284. Divided and this application May 1, 1944, Serial No. 533,449
3 Claims. (Cl. 280-63)

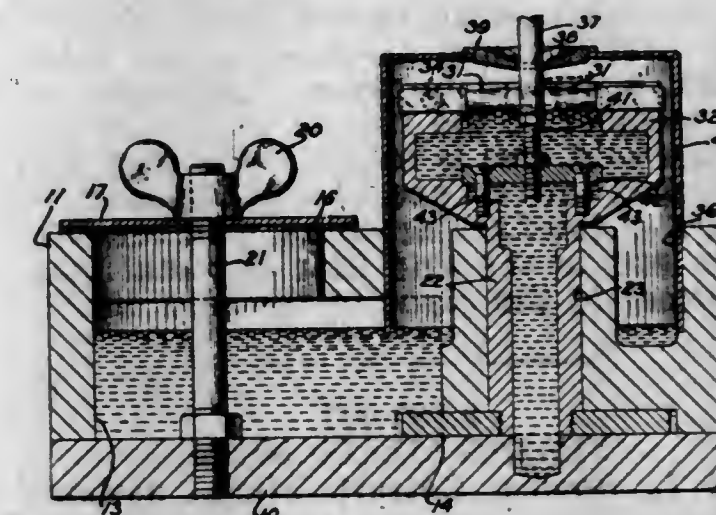


1. In a cart comprising a wheel truck having a pair of wheels, an axle, a pair of bearings on said axle, and a pair of brackets attached to the underside of said cart, said brackets having opposed elongated slots, said axle bearings slidably positioned in said elongated slots, and means for locking said bearings in either end of said slots, said means including longitudinally hinged members.

2,387,094

ARTICLE COATING APPARATUS

Everett J. Shaw, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 12, 1943, Serial No. 509,979
13 Claims. (Cl. 91-41)



7. A coating apparatus comprising a hollow vertical shaft, a cup-shaped member at the upper end thereof, a brush mounted on said cup-shaped member and directed inwardly, a reservoir for coating compound, and means for causing said compound to flow upwardly through said hollow shaft and into said cup-shaped member to maintain a predetermined level of said compound at the brush.

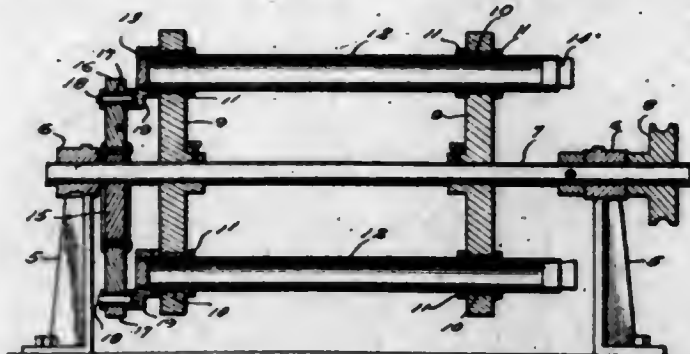
2,387,095

CENTRIFUGAL MACHINE

Elbert M. Shideler and Harvey Lynn Bloxom, Council Bluffs, Iowa
Application February 14, 1944, Serial No. 522,338
6 Claims. (Cl. 51-73)

1. A non-tumbling centrifugal machine of the character described, comprising a structure em-

bodying an imperforate container of circular cross-section adapted for loose reception of objects to be treated, means for supporting and revolving said container in a circular orbital path about a predetermined axis, said container being



supported for free rotation about an axis different from the axis about which the container is revolved, and means to automatically cause rotation of the container in one direction about the second-named axis when it is revolved in the opposite direction about the first-named axis.

2,387,096

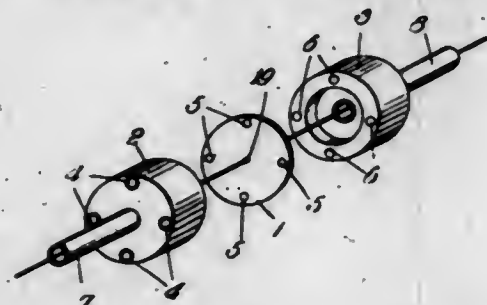
ELECTRIC RESISTOR

Stanley James Smith, London, England, assignor to Simmonds Aerocessories Limited, London, England

Application July 21, 1943, Serial No. 495,655

In Great Britain July 21, 1942

6 Claims. (Cl. 201-63)



1. A resistor comprising a disc of resistive material, a first terminal mounted at the centre of said disc, a second terminal comprising a cup shaped member to the rim of which the periphery of the said disc is secured, the said member being formed with an aperture in the base thereof to receive a tubular screening member through which a lead to the said first terminal may extend normal to the plane of the said disc.

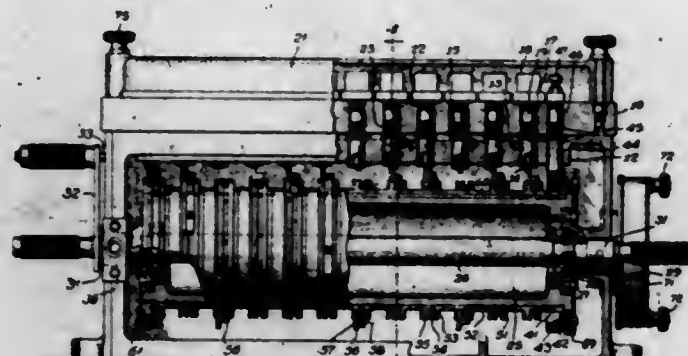
2,387,097

TIMING MECHANISM

Howard E. Somes, Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa., a corporation of Michigan

Application February 17, 1943, Serial No. 476,229

6 Claims. (Cl. 74-568)



1. A timing mechanism comprising a plurality of control devices, an actuator for operating said devices in a predetermined manner including a rotary member and a plurality of separable an-

nuli mounted on said rotary member and cooperating to form a series of supports for a plurality of cam elements, clamping rings held in place by said annuli, and means cooperating with said clamping rings to secure said cam elements in place on said supports.

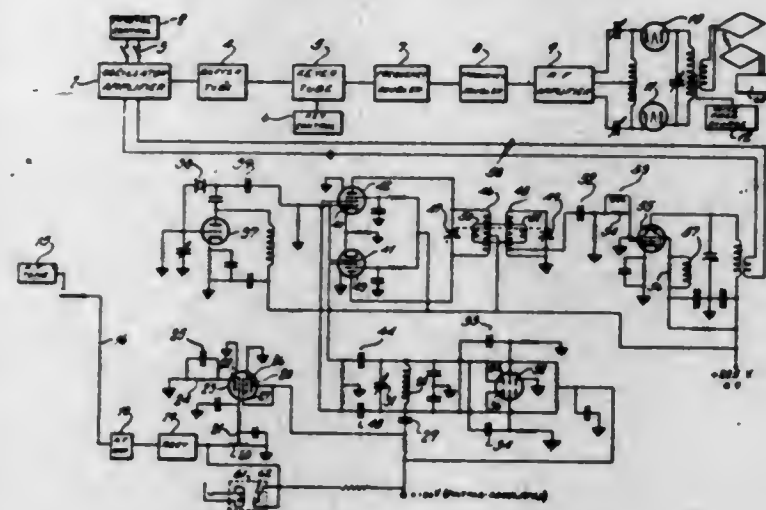
2,387,098

RADIO TRANSMISSION SYSTEM

Robert M. Sprague, Manhasset, and Everett G. Fraim, Hicksville, N. Y., assignors to Press Wireless, Inc., Chicago, Ill., a corporation of Delaware

Application August 12, 1943, Serial No. 498,278

1 Claim. (Cl. 250-9)



A flexible service radio system comprising, a radio transmitter having an input radio frequency amplifier stage, a keying control stage connected to the amplifier stage, a frequency multiplier stage connected to said keying stage, a modulator stage connected to said multiplier stage, a source of voice frequency signals connected to said modulator stage, a radio frequency oscillator, a subcarrier oscillator, means to shift the frequency of said subcarrier oscillator between predetermined limits in accordance with telegraph signals and the like, means to modulate said radio frequency carrier by said shiftable subcarrier, means to select one side band of the modulated radio frequency carrier, and means to apply said selected side band as a carrier to said input amplifier.

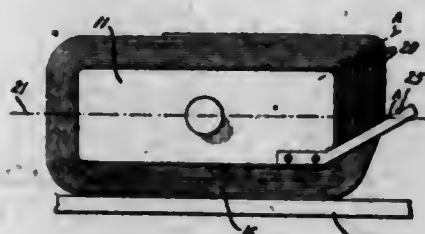
2,387,099

METHOD OF FORMING ELECTROMAGNETIC CORES

Jacob J. Vienneau, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application September 22, 1943, Serial No. 503,402

3 Claims. (Cl. 29-155.57)



1. A method of making a core for an electromagnetic induction apparatus including the steps of bending flatwise magnetic strip to form a non-circular core with a maximum dimension along a longitudinal axis, inserting spacers between successive layers of the strip material at one end of the core of material at least a portion of which is burnable during subsequent annealing of the core, the spacers being placed at the end

of the core so that they progress from the inner periphery to the outer periphery at an angle with the longitudinal axis, inserting in an oven to anneal the core with the longitudinal axis of the core being placed horizontal and with said spacers progressing upwardly.

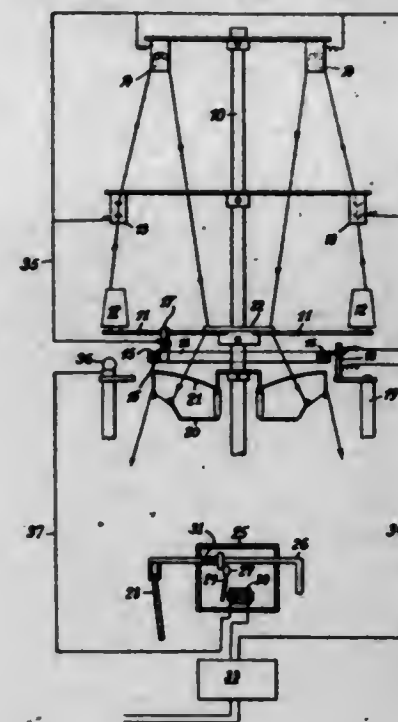
2,387,100

ELECTRIC DISTRIBUTOR RING FOR ROTARY KNITTING MACHINES

Michael Wachsmann, Brooklyn, N. Y.

Application March 27, 1944, Serial No. 528,223

3 Claims. (Cl. 66-163)



1. An electric distributor ring for a rotary knitting machine consisting of two electric conducting rings, one of which rotates upon the other ring in close contacting electric current conducting relation therewith, a hanger bracket on said rotating ring for attaching the same to the knitting machine to rotate therewith, a finger piece supported on said bracket and overlapping the stationary ring to prevent separation of the said two rings and means on said hanger bracket for maintaining said finger piece in the said overlapping relation to the stationary ring.

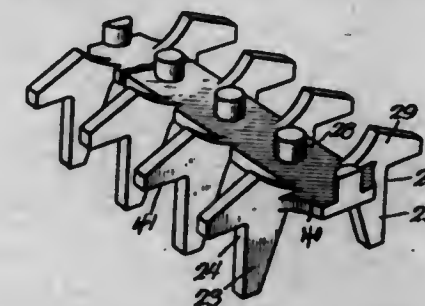
2,387,101

UNDERDRAIN FOR FILTERS AND THE LIKE

James D. Walker, Aurora, Ill., assignor to The American Well Works, Aurora, Ill., a corporation of Illinois

Application March 20, 1942, Serial No. 435,472

10 Claims. (Cl. 210-148)



1. An underdrain for filters and the like, including a central longitudinal member, a plurality of wings extending therefrom laterally in both directions with the principal dimensions of each wing being disposed in a plane extending transversely of the central member, the wings being spaced longitudinally along the central member, downwardly extending projections on at least some of said wings, and spaced upstanding lugs on said wings and on said central mem-

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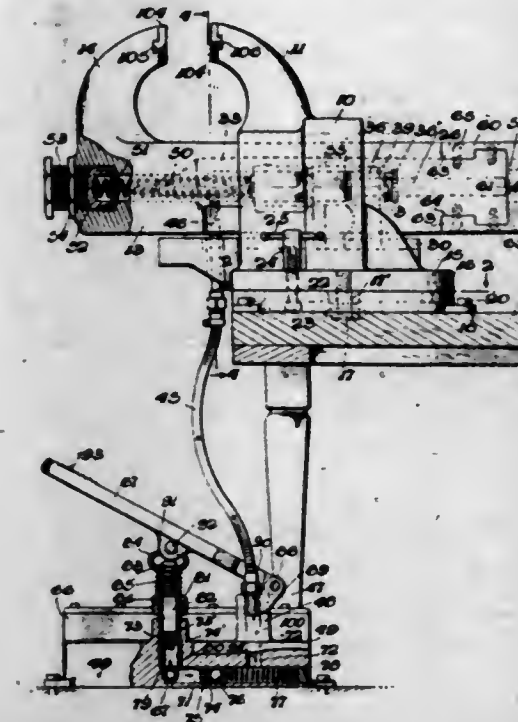
2,387,102

WISE

Marvin E. Wallis, Murray, Utah, assignor to Brucon Corporation, a corporation of California

Application June 17, 1941, Serial No. 398,478

6 Claims. (Cl. 81-17)



2. A vise of the class described including a stationary jaw having an opening, a movable jaw having a longitudinal arm extending through said opening, said arm having a longitudinal passage and provided with a slot communicating with said passage, said slot extending inwardly from one end of the arm a limited distance, a tubular housing in said passage and having a depending portion extending through said slot, means connecting the depending portion of the housing to the stationary jaw, operating means movably mounted in said housing and connected to said movable jaw, yielding means in said passage and confined between said housing and the movable jaw for normally maintaining the jaws apart, and means for actuating said operating means to cause the movable jaw to approach the stationary jaw.

2,387,103

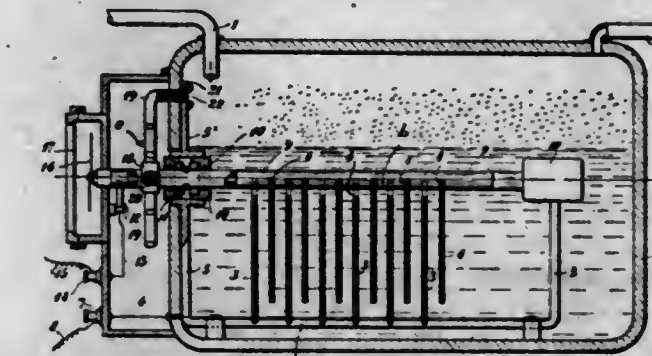
STEAM BOILER

Geraldo Cyro Wicks, Ramos Mejia, Argentina

Application February 22, 1944, Serial No. 523,386

In Argentina May 7, 1943

5 Claims. (Cl. 219-40)

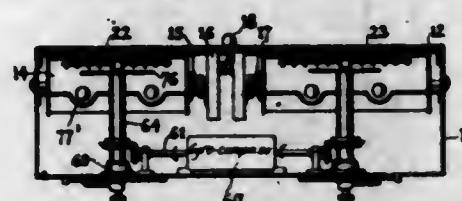


1. In a steam boiler having a boiler chamber, a first series of mutually spaced electrode plates stationary in said boiler chamber, a shaft rotatably mounted in said chamber alongside said first series of electrode plates and having one end

thereof projecting from said chamber, a second series of mutually spaced electrode plates mounted on said shaft inside said chamber for displacement, upon rotation of said shaft, between several positions in which the plates of said second series are alternately interposed to a greater or lesser extent between the plates of said first series, and means to connect said two series of electrode plates to opposite terminals, respectively, of a source of electric current, the combination of means for adjusting the angular position of said shaft in dependence upon the steam pressure prevailing in said boiler chamber, said means including a multiturn tubular spiral spring arranged outside of said boiler concentrically around the projecting end of said shaft, said spiral spring having a closed end secured to said projecting end of said shaft and an open end secured to said boiler chamber and in combination with the interior thereof.

2,387,104 ORIENTING DEVICE

Philip Wolfers, New York, N. Y., assignor of one-third to I. Newton Brozan, Aaron Holman, and J. Stanley Halperin, all of New York, N. Y.
Application December 9, 1940, Serial No. 369,159
8 Claims. (Cl. 33-222)

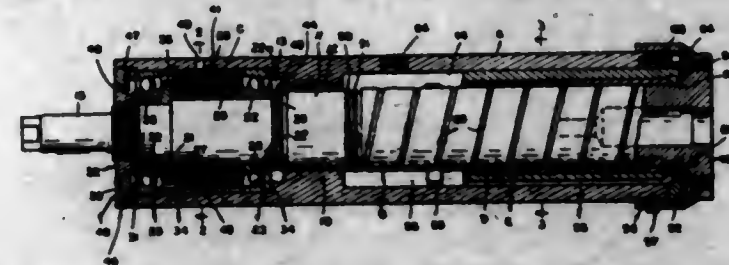


7. An orienting device of the character described comprising a plate having a viewing aperture, a strip map of a route to be traversed by a mobile craft, said route comprising a plurality of angularly disposed straight portions, said map being so distorted that the route consists substantially of a single unbroken straight line parallel to the side edges of said map, said line comprising all of said angularly disposed straight portions, means on said map to indicate the parts of said straight line representing the different straight portions of said route, means to move said map past said aperture, a hollow first shaft, a second shaft disposed within said first shaft, bearing means in said first shaft to rotatably support said second shaft in a light frictional engagement, said second shaft projecting beyond both ends of said first shaft, a compass needle and indicating dial mounted on opposite ends of and rotatable with said first shaft, an orienting needle and a pointer mounted on opposite ends of and movable with said second shaft, means responsive to the angular orientation of said device to move said first shaft, manually manipulatable means to rotate said second shaft relative to said first shaft, said needles being in registry with said aperture, and means to indicate the angular position of said compass needle and said orienting needle on said map, whereby said compass needle will show on said map a northerly direction relative to said route, and said orienting needle will show on said map the direction of movement of said mobile craft relative to said route.

2,387,105
SPINDLE STRUCTURE
George F. Yager, Toledo, Ohio, assignor to The Bunting Brass & Bronze Company, Toledo, Ohio, a corporation of Ohio
Application December 21, 1942, Serial No. 469,716
5 Claims. (Cl. 308-189)

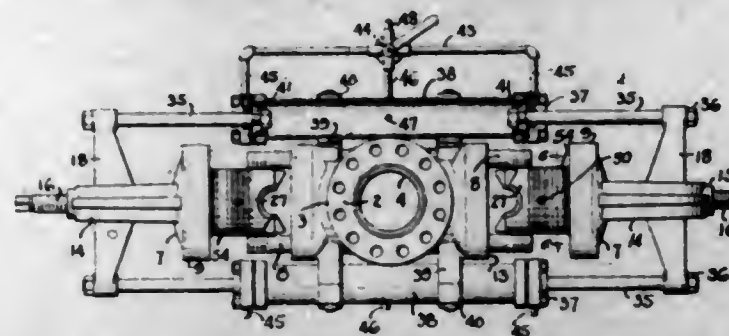
1. A spindle assembly having a quill, a rotatable spindle in said quill, a spring loaded ball

bearing assembly for said spindle within said quill, clamping nuts carried by the spindle and quill for holding the ball bearing assembly in the quill, and an inlet and an outlet for oil for the



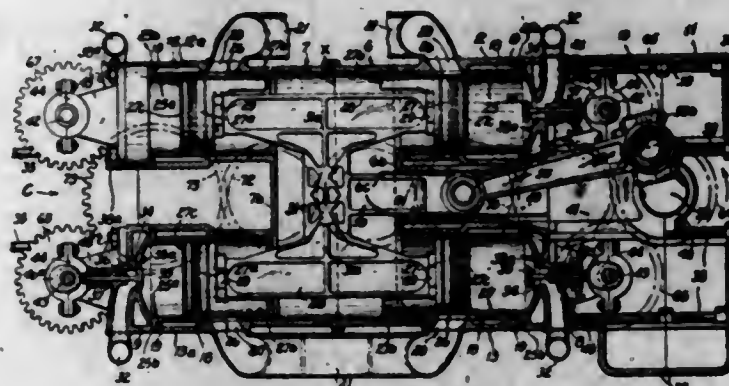
ball bearing assembly being provided in the quill, one of said clamping nuts having a slot permitting oil to escape from the ball bearing assembly to the oil outlet in the quill.

2,387,106
BLOWOUT PREVENTER
Herbert Allen, Houston, Tex., assignor to Cameron Iron Works, Houston, Tex.
Application April 11, 1942, Serial No. 438,527
14 Claims. (Cl. 137-139)



1. A high pressure blowout preventer including a body, ram chambers therein, a ram in each chamber, a head closing each chamber, a stem extending through each head and connected to the ram, a crossarm on each stem, a piston connected to each end of the crossarm, and a pressure cylinder at each side of the body in which the two pistons on the same end of the body are movable by the application of pressure so as to open or close both rams.

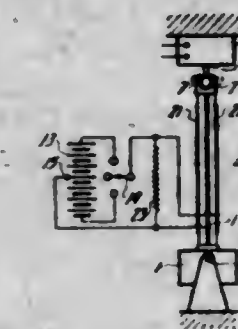
2,387,107
DOUBLE ACTING, TWO-CYCLE DIESEL ENGINE
Walter R. Appeman, Champaign, Ill.
Application November 29, 1943, Serial No. 512,170
17 Claims. (Cl. 123-54)



14. In an assembly according to claim 13, cylinder shells seated within the outer ends of the said receptacles, pistons reciprocally mounted within the cylinder shells in exact transverse alignment as to the cylinder shells of each casing, piston rods extended axially through the inner open ends of the longitudinally aligned cylinder shells and rigidly joined at their ends to the pistons therein, a cross-yoke transversely and rigidly connecting the piston rods through the clearance space at the inner ends of the re-

ceptacles, a drive arm extended forwardly from the cross-yoke between the cylinders and provided at its forward end with a connecting rod yoke, a race-way mounted between the frontal cylinder receptacles and arranged to receive and support the said cross-yoke in its oscillations, a crank shaft journaled transversely and immediately of the frontal end of the assembly, a connecting rod operatively connecting the crank of the crank-shaft with the yoke of the drive arm, and means at the outer ends of the cylinder shells for introducing and exploding, simultaneously as to the transversely aligned cylinder ends and alternately as to the opposite ends of the engine unit, fuel charges within the outer ends of the cylinder shells as compressed therein by the pistons, said means being operated and controlled by the crank-shaft.

2,387,108
PIEZOELECTRIC APPARATUS
John P. Arndt, Jr., Euclid, and Walter J. Brown and Alfred L. W. Williams, Cleveland Heights, Ohio, assignors to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application March 18, 1942, Serial No. 435,194
20 Claims. (Cl. 171-327)



7. In combination, a piezoelectric element, an instrumentality of the "snap-action" type having a movable part in operative engagement with a portion of the element, and a support for the element against which it reacts during operation of the instrumentality, the support offering a large opposing force to movements of the crystal at high velocity and relatively small opposing force to movements thereof at low velocity, whereby only movement at high velocity is imparted to the said movable part.

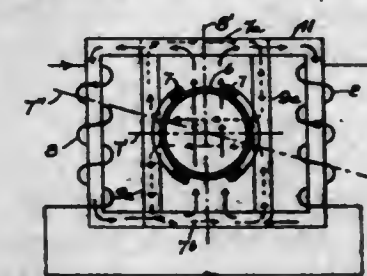
2,387,109
CAR DOOR AND LOCK THEREFOR
Wilfred A. Beauchamp and Thorvald Madland, Chicago, Ill., assignors to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application September 18, 1941, Serial No. 411,356
5 Claims. (Cl. 20-22)



1. A sliding door for railway house cars comprising a metallic panel, said panel having a vertically extending reinforcement lying substantially within the outer plane of said door and spaced longitudinally a substantial distance from a vertical edge of said panel, said panel extending a substantial distance inwardly of the inner plane thereof, then forwardly substantially parallel to the inner plane thereof, and then outwardly, thereby forming an inwardly offset portion of a depth sufficient to accommodate a locking member substantially within the outer plane of the door, said outwardly bent portion of said panel lying substantially within the outer plane of said door.

allel to the inner plane thereof, and then outwardly, thereby forming an inwardly offset portion of a depth sufficient to accommodate a locking member substantially within the outer plane of the door, said outwardly bent portion of said panel lying substantially within the outer plane of said door.

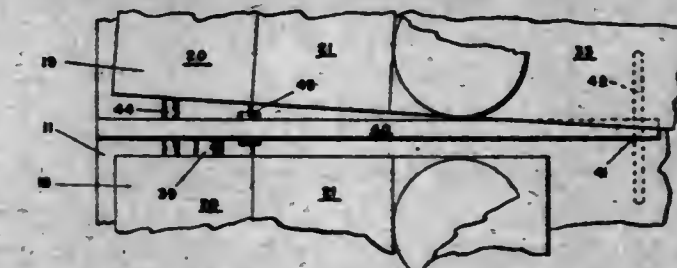
2,387,110
ELECTRICAL APPARATUS
Leslie Herbert Bedford, Lionel Josef and Walter Henry Stevens, London, England, assignors to A. C. Cossor Limited, London, England, a British company
Original application May 8, 1939, Serial No. 272,508. Divided and this application September 19, 1942, Serial No. 459,018. In Great Britain May 10, 1938
6 Claims. (Cl. 250-157)



1. In a cathode ray tube having a compact electromagnetic deflection system including magnetic circuits for controlling the electron beam in two mutually perpendicular directions of deflection, each of which comprises a central flux path passing through the tube and two side paths for the flux which pass on mutually opposite sides of the tube, the combination of coils for producing the flux to control the deflection in one direction positioned about a common axis and on opposite sides of the tube about the central flux path of a first magnetic circuit, and coils for producing the flux to control the deflection in a perpendicular direction positioned on side flux paths of a second magnetic circuit with their centres substantially on said common axis at opposite sides of the tube and with their axes perpendicular to said common axis.

2,387,111
POLYVINYL CHLORIDE COMPOSITION
Franklin A. Bent, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 8, 1943, Serial No. 478,445
4 Claims. (Cl. 260-36)
3. A composition comprising a vinyl halide resin plasticized with dicyclopentyl adipate.

2,387,112
WELDING
William Ogle Bennett, Jr., Lancaster Township, Lancaster County, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application September 4, 1942, Serial No. 457,267
3 Claims. (Cl. 219-4)



2. A welding apparatus for butt welding fine wire comprising a base, a stationary vise secured to said base, a movable vise pivotally mounted on said base, and a sliding door for railway house cars comprising a metallic panel, said panel having a vertically extending reinforcement lying substantially within the outer plane of said door and spaced longitudinally a substantial distance from a vertical edge of said panel, said panel extending a substantial distance inwardly of the inner plane thereof, then forwardly substantially parallel to the inner plane thereof, and then outwardly, thereby forming an inwardly offset portion of a depth sufficient to accommodate a locking member substantially within the outer plane of the door, said outwardly bent portion of said panel lying substantially within the outer plane of said door.

said base, each of said vises including a stationary jaw and a movable jaw, cam means for forcing said movable jaws against their respective stationary jaws, and springs normally holding the movable jaws away from said stationary jaws, each of said stationary jaws being formed with a groove to receive said wire, a tongue on each of said movable jaws entering said groove of the stationary jaws to lock said wire in desired position, the stationary vise and the pivoted vise being aligned so that at one position of the pivoted vise the grooves of the stationary jaws are in vertical alignment, a gauge adapted to be removably positioned between said movable vise and said stationary vise to initially receive the ends of the wire to properly position said wire in the grooves, a stop pin carried on the stationary jaw of the stationary vise engaging the stationary jaw of the pivoted vise to support the pivoted vise in groove aligning position, said stop pin to limit the motion of the movable vise toward the stationary vise during the welding operation.

2,387,113

OPTICAL SYSTEM

Philip A. Birdick, Berkeley, Calif.
Application May 28, 1943, Serial No. 488,813
6 Claims. (Cl. 88—32)

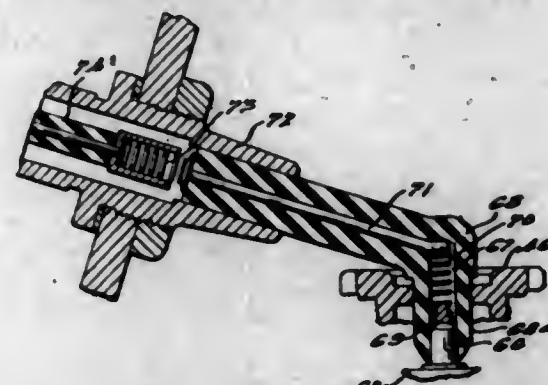


2. In a telescope of the class described a stationary objective lens and an ocular lens movable only for individual focusing on a stationary ocular image, two differentially movable positive erector lenses for producing said image; said erector lenses being situated intermediate the objective and ocular lenses, means for moving and for guiding said erector lenses for movement in the same direction and to different extents from first positions of minimum separation, in which light from a point in the plane of the objective image is parallel after refraction at the first erector then convergent after refraction at the second erector toward a point in the plane of the ocular image, to second positions of maximum separation nearer the objective lens such that light from a point in the plane of the objective image is divergent after refraction at the first erector then convergent after refraction at the second erector toward a point in the plane of the ocular image, the separation between two given points in said ocular image being less than the separation between the same two points in the ocular image which was formed before the shift was made, and means for arresting and holding said erector lenses in their said positions of minimum and maximum separation, respectively.

2,387,114
ENGINE

Howard Bonbright, Grosse Pointe, and Waldo G. Gerhardt, Detroit, Mich., assignors to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application May 2, 1942, Serial No. 441,522
18 Claims. (Cl. 123—80)



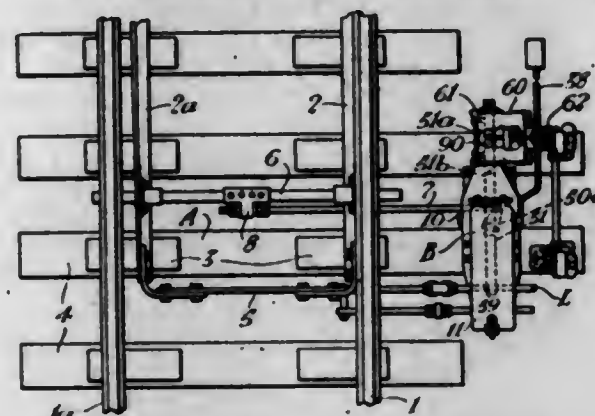
1. In an internal combustion engine having a cylinder head, a rotatable valve in said head having converging surfaces and provided with a chamber forming a large portion of the combustion space, and an ignition device carried by spaced walls of said valve and rotatable therewith.

2,387,115

ELECTRIC LOCK

Herbert L. Bone, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application December 10, 1943, Serial No. 513,707
11 Claims. (Cl. 246—159)



1. The combination with a switch operating mechanism including a hand throw lever movable between normal and reverse positions for moving an associated switch between corresponding extreme positions, of two lever latches each movable between a latching and an unlatching position, one said latch cooperating with said lever to prevent its movement away from its normal extreme position except when said one latch occupies its unlatching position and the other said latch cooperating with said lever to prevent its movement away from its reverse extreme position except when said other latch occupies its unlatching position, means for operating said latches to their unlatching positions, means connecting said two latches together to cause them to operate in unison, and electromagnetically controlled means associated with one of said latches and effective when deenergized to prevent movement of said latches to their unlatching positions.

2,387,116

RADIO ANTENNA SYSTEM

Malcolm Bruce, Plymouth, Mass., assignor of one-half to Richard W. Taylor, Plymouth, Mass.

Application April 8, 1944, Serial No. 530,103
10 Claims. (Cl. 250—33)

3. A radio antenna system comprising a plurality of closely spaced antenna elements substan-

tially less than a quarter-wavelength of the operating frequency in length, individual inductively reactive tunable devices connected between each antenna element and ground, common actuating means for tuning said devices simultaneously, means for coupling radio equipment to at least one of said antenna elements, said elements being



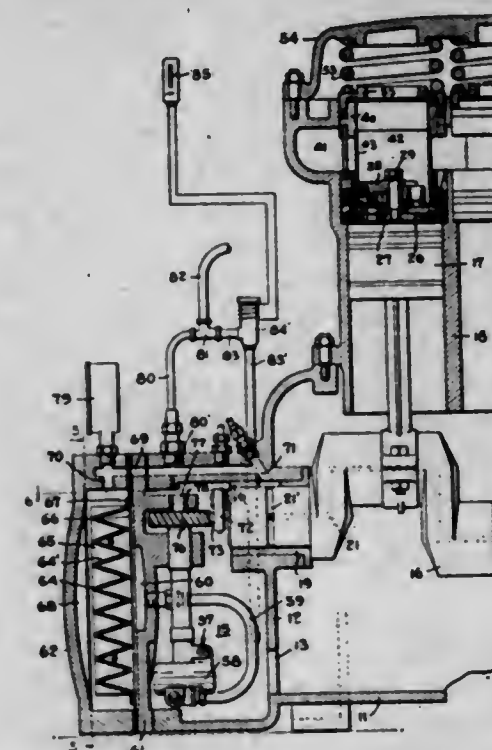
spaced less than a quarter-wavelength apart, and low impedance means connecting the free ends of said elements to provide substantially in-phase operation of said elements at the operating frequency, whereby the radiation resistance of the system is caused to be substantially higher than the radiation resistance of a single element system of similar dimensions.

2,387,117

REFRIGERATION SYSTEM

Leon Buchler, Jr., Waynesboro, Pa., assignor to Frick Company, Waynesboro, Pa.

Application March 24, 1941, Serial No. 385,015
14 Claims. (Cl. 230—30)



1. In a refrigeration system having a closed refrigerant circuit, a compressor having a cylinder with a piston therein and a crankcase provided with a force feed lubricating system, said cylinder being provided with spring-pressed suction and discharge valves, a control member adapted to engage the suction valve and having coacting spring return means of greater strength than the suction valve spring and whereby the suction valve is displaced from its seat to unload the cylinder, means operatively connected with the lubricating system of the compressors for applying fluid pressure to said control member to overcome the tension of its return spring and move the member clear of the suction valve and permit unrestricted normal

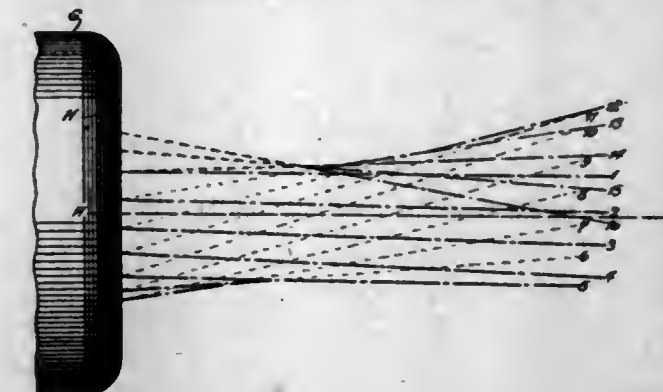
operation of the latter, and means operating in accordance with load requirements of the refrigeration system for controlling the admission of fluid pressure from the lubricating system to said control member.

2,387,118

ATOMIZING APPARATUS

Marshall E. Callander, Columbia, Mo.

Application January 20, 1943, Serial No. 473,044
15 Claims. (Cl. 299—141)



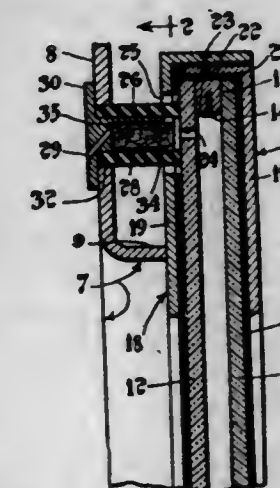
1. An atomizing nozzle of the character described, comprising, a blast-tube head having an end wall transverse to the nozzle axis, said wall having a series of jet passages therethrough arranged in a circuit around the nozzle axis and having progressively different directions so that the axes of the respective passages do not intersect, the exterior mouths of said jet passages being located inwardly of the interior mouths thereof.

2,387,119

INSULATING WINDOW

Edouard Clerc, Montreal, Quebec, Canada, assignor to The Robert Mitchell Co. Limited, Montreal, Canada

Application December 3, 1943, Serial No. 512,748
11 Claims. (Cl. 20—56.5)



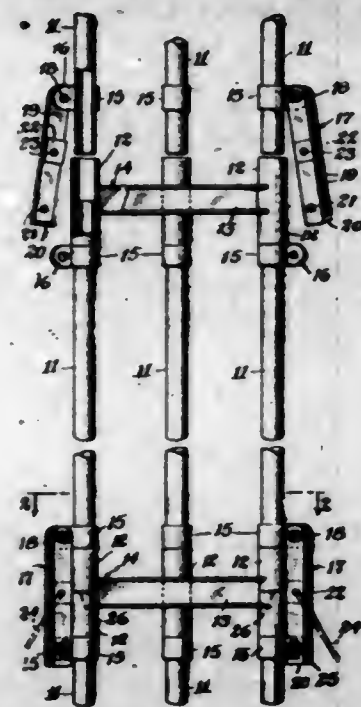
1. An insulating window installation comprising a wall structure provided with a window opening and with a tube receiving opening adjacent said window opening, an insulating window mounted at the indoor side of said window opening, said window comprising spaced indoor and outdoor transparent panes and sealing means joining the marginal portions of said panes to form therewith a cell space hermetically sealed except for a single restricted vent opening leading to the outdoor atmosphere through the outdoor transparent pane at a point directly opposite said tube receiving opening, a sash frame in which said panes are mounted, a vent tube extending inwardly through said tube receiving opening with the inner end of said tube encircling said opening and pressed tightly against the outer surface of said outdoor pane and tube compressing means secured to said wall structure and serving to place said tube under

longitudinal compression whereby the inner end of said tube is pressed tightly against said outdoor pane, said tube being made of resiliently compressible material.

2,387,120

TOWER OR MAST CONSTRUCTION

Harold Cohen, Elizabeth, N. J.
Application April 4, 1944, Serial No. 529,438
2 Claims. (Cl. 189-26)

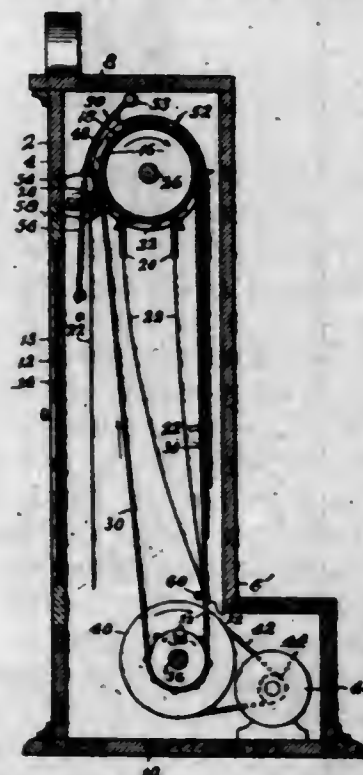


1. A fabricated construction including pairs of supporting leg sections, tubular members, tie bars rigidly connected with said tubular members to maintain them in spaced relation to each other, collars fixed on said leg sections respectively, a pair of said leg sections projecting into each of said tubular members in end to end relation with the collars thereof abutting the tubular member, and connecting means connected with the collars of each pair of leg sections to connect the latter to each other, said connecting means including radial lugs on said collars respectively, and a U shape link having one end pivotally connected with one of said lugs and the opposite end of the link being detachably connected with the other lug.

2,387,121

AUTOMATIC DISPLAY APPARATUS

Ora R. Curnutt, Lees Summit, Mo.
Application March 8, 1943, Serial No. 478,439
12 Claims. (Cl. 40-35)



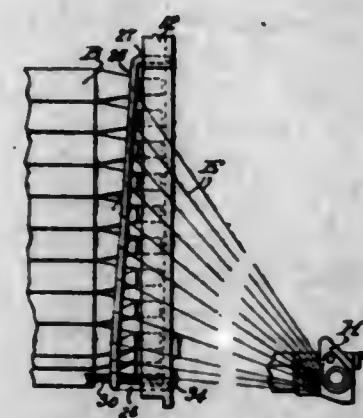
1. A display apparatus comprising a constantly driven endless conveyer, a rotary drum driven

by frictional engagement with said conveyer, escapement means for periodically checking said drum during each revolution, display sheets attached at spaced intervals to the drum and successively brought thereby into display position, and means carried by the conveyer for cooperating with the drum in shifting each sheet from display position to the rear of the other sheets and for accelerating the shifting movement by folding each sheet over the drum, said means also acting to periodically release the escapement means, thereby permitting the drum to successively carry the sheets into display position.

2,387,122

THREAD CONTROL FOR WEFT REPLENISHING MECHANISM

Clifford Darwin, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application June 17, 1944, Serial No. 540,764
8 Claims. (Cl. 139-247)



1. In a weft replenishing loom having a thread holder for a magazine provided with a stack of bobbins from which weft ends extend, a bobbin tip end plate forming part of the magazine and located between the bobbins and the thread holder and having a guideway for the bobbin tips down which the latter move toward transfer position, a thread guide extending along the guideway and around which the weft ends extend from the bobbins to the thread holder, the weft ends descending along the thread guide as their bobbins move down the guideway toward transfer position, and flexible weft end supporting means extending across the path of the descending weft ends in position to be engaged by the latter as their bobbins move to transfer position and hold the weft ends so engaged in contact with the thread guide.

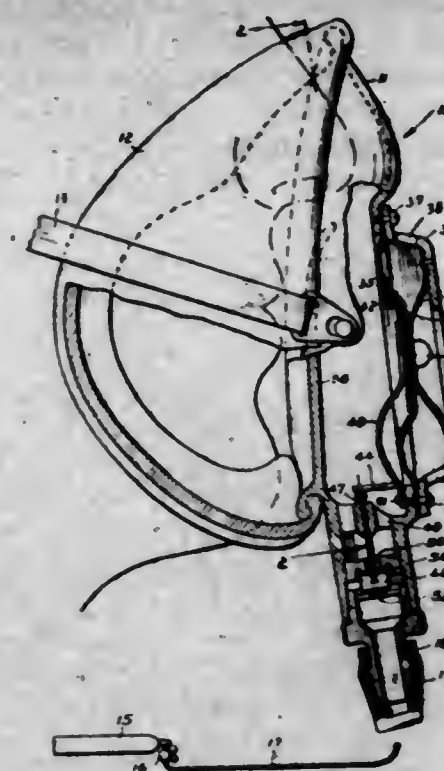
2,387,123

BREATHING APPARATUS

George M. Deming, East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application April 3, 1941, Serial No. 386,618
9 Claims. (Cl. 128-142)

1. Aviation breathing apparatus including in combination a face mask with an inlet opening and an exhaust opening, an oxygen supply line communicating with the inlet opening, a pressure regulator comprising a valve at the inlet opening and valve-operating means responsive to the difference between the pressure within the mask and the pressure of the surrounding atmosphere, said valve-operating means being sensitive to a pressure differential not substantially greater than one-tenth of an inch of water, an exhaust valve over the exhaust opening, an aneroid device for holding the exhaust valve open

at low altitudes, and a light loading spring urging the exhaust valve closed, said spring being

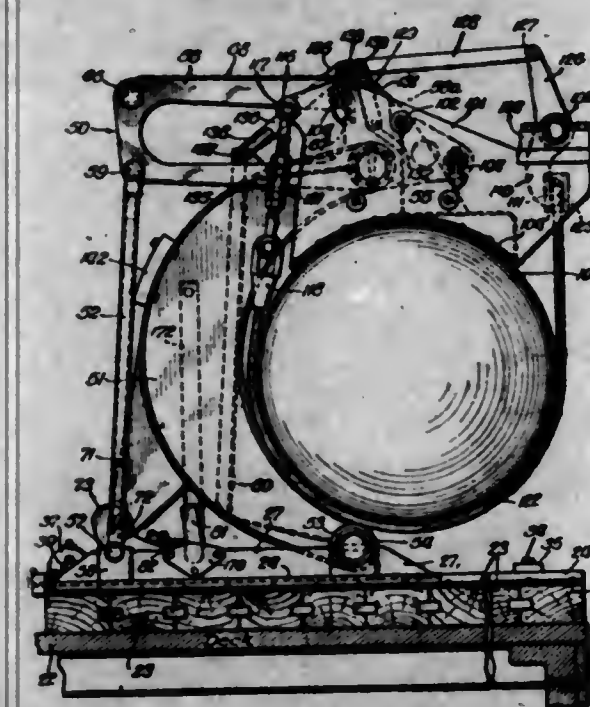


of such a nature that it yields to permit the exhaust valve to open in response to an excess of pressure within the mask.

2,387,124

TORPEDO LAUNCHING GEAR

Edward S. Dennison, New London, Conn., assignor to Electric Boat Company, Groton, Conn., a corporation of New Jersey
Application November 8, 1943, Serial No. 509,421
22 Claims. (Cl. 114-239)



1. In a torpedo launching gear, a base, a hanger mounted on said base and having a throw relative thereto, a cradle fixedly but removably attached to said hanger and presenting a surface to receive a torpedo, means for supporting a torpedo upon said surface, and means for releasing said supporting means when said hanger moves in its throw.

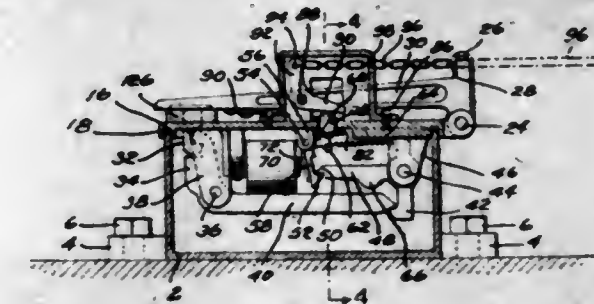
2,387,125

RELEASE BOX

John H. Derby, Scarsdale, N. Y.
Application April 3, 1943, Serial No. 481,696
5 Claims. (Cl. 74-2)

1. A release box comprising a box having a normally closed cover, a series of successively interengageable power multiplying levers all fulcrumed upon said cover, a trip device also fulcrumed upon said cover and engageable with

the last of said series of levers for holding said levers in their interengaged relation, an electromagnet carried by said cover for operating said trip to release said levers from their interengaged relation, said trip device having a bellcrank arm by which it may also be rocked manually into lever-releasing position, a spring yieldingly maintaining said trip device in its holding position and

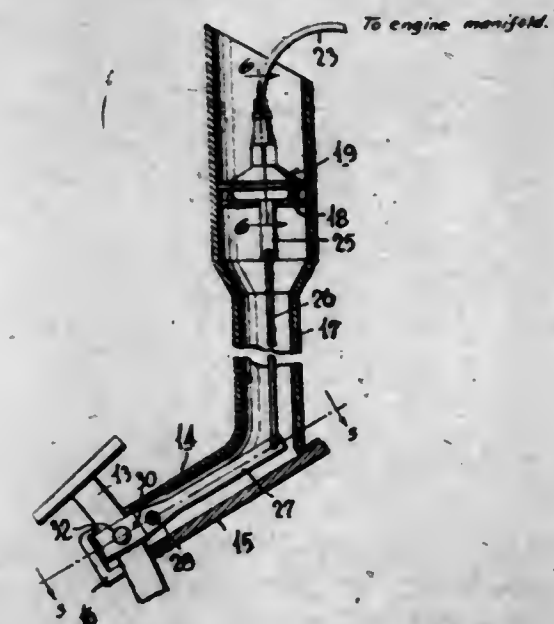


means, carried by said cover, laterally offset from the plane of the interengageable lever system and including a plunger extending through said cover, for effecting the manual rocking of said trip device against the action of its retaining spring into its release box tripping position, all of said parts being arranged to maintain their operative relations to each other both in the open and in the closed condition of said cover.

2,387,126

REMOTE CONTROL LOCKING MEANS

Stephen V. Dillon, Tulsa, Okla.
Application June 5, 1941, Serial No. 396,774
6 Claims. (Cl. 74-531)



1. The combination with a control member of a motor vehicle, of a casing having a bifurcated portion to receive said control member, carrying means arranged in the casing, rolling elements supported by the carrying means and adapted to engage opposite sides of the control member, means in the casing for wedging said rolling elements into locking engagement with said control member when the carrying means is moved to a predetermined position, and means associated with the casing and operatively connected with the carrying means for controlling the latter.

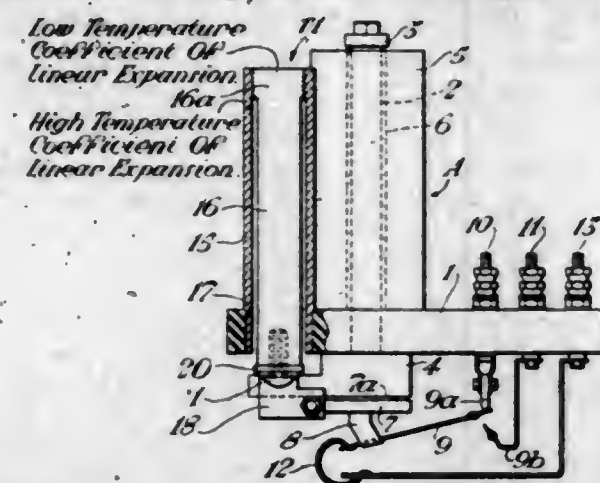
2,387,127

ELECTRICAL RELAY

Arthur E. Dodd, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 31, 1943, Serial No. 500,633
9 Claims. (Cl. 175-342)

1. In combination, an electromagnet provided with pole pieces, an armature controlled by said electromagnet, a magnetizable shunting member spaced from each pole piece of said electro-

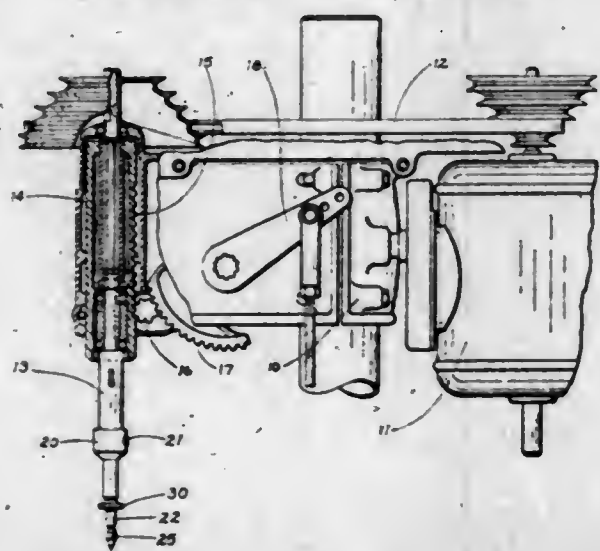
magnet by an air gap, and means for varying said air gaps in response to changes in the ambient temperature to compensate for changes in the time constants of said relay caused by said ambient temperature changes comprising



a tube fixed at one end, and a rod secured at one end within the free end of said tube and extending through said tube with clearance and secured at its free end to said shunting member, said tube and said rod having different coefficients of linear expansion.

2,387,128 TOOL

Walter M. Doehring, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application March 6, 1943, Serial No. 478,204
2 Claims. (Cl. 77-32)



1. A tool of the character described comprising a spindle adapted to be detachably connected to a power driven shaft of a drill press for rotation and support thereby, a holder rotatable with said spindle and axially movable therein, a chuck at one end of said holder adapted to releasably hold a drill, a collar on said holder adapted to be grasped and moved manually to feed the holder towards the work, said collar being mounted for rotation on said holder, and a spring arranged between the holder and the spindle and urging said holder in a direction to lift the holder from the work, said spring exerting a force on said holder only slightly in excess of the weight of the holder and the parts held thereby otherwise the holder being supported for free axial movement in the spindle, to provide a sensitive direct manual control of the holder.

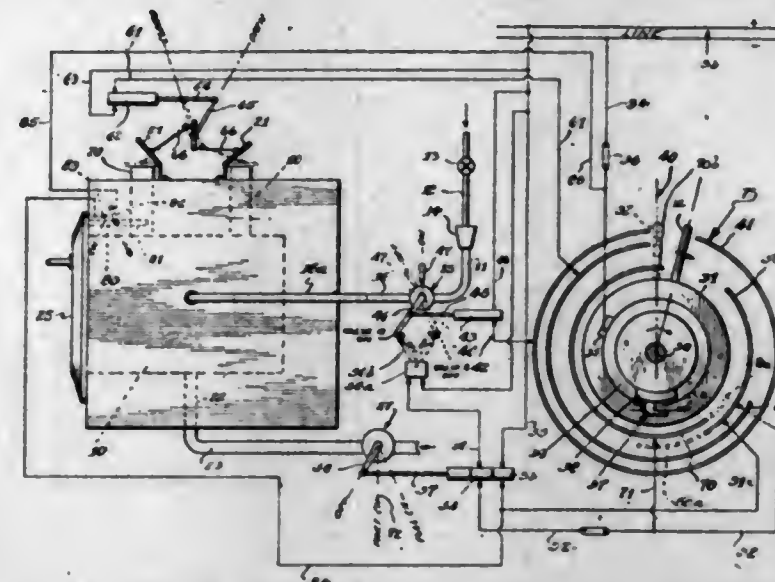
2,387,129

HEAT-TREATING FURNACE

Frederick A. Endress, Detroit, Mich., assignor to Tuff-Hard Corporation, Detroit, Mich., a corporation of Michigan
Application December 2, 1941, Serial No. 421,362
1 Claim. (Cl. 263-43)

The combination with a heat treating furnace having a retort chamber adapted to receive ma-

terial to be treated, and a door opening into said chamber, of means for introducing a heating medium into said chamber, valve means for controlling the flow of said heating medium through said introducing means, means for introducing a non-oxidizing gas into said chamber, a second valve means for controlling the flow of said gas through the second mentioned introducing

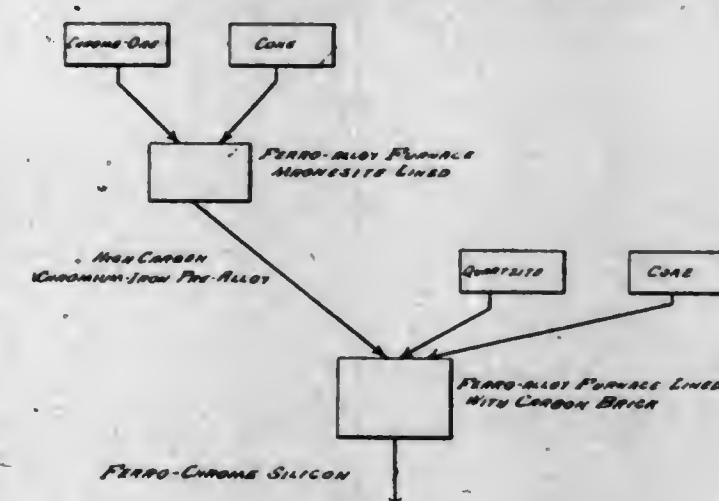


means, actuating means connected to both said valve means, and a common control means for said actuating means operable to effect actuation of said valve means in timed relation to each other, said control means being so constructed and arranged as to cause closing of the first mentioned valve means as a condition precedent to the opening of said second valve.

2,387,130

ALLOY PROCESS

Alexander L. Felld, Towson, Md., assignor to Rustless Iron and Steel Corporation, a corporation of Delaware
Application January 31, 1941, Serial No. 376,918
3 Claims. (Cl. 75-130.5)



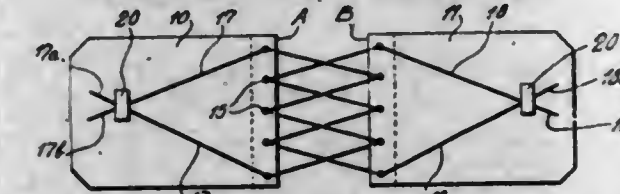
3. In the production of an iron-chromium-silicon pre-alloy comprising approximately about 30% to 60% chromium, 60% to 28% silicon with a maximum carbon content of .20% and the remainder principally iron, the art which includes smelting chrome ore containing from about 25% to 40% chromic oxide with a carbonaceous reducing agent and giving an iron-chromium pre-alloy comprising about 35% to 75% chromium and the remainder iron and carbon; separately smelting crushed quartzite and a carbonaceous reducing agent; charging into the smelting furnace before or during the smelting operation said iron-chromium pre-alloy in such quantity that the ratio of the available silicon to chromium contents of the charge ranges between approximately $\frac{1}{2}$ to 1 and 2 to 1, whereby carbon is expelled from the melt; and tapping the melt substantially free of carbon.

2,387,131

INDIRECT SEAM OR SUTURE FOR WOUNDS

Pedro Eduardo Gomez Fernandez, Mexico City, Mexico

Application October 16, 1943, Serial No. 506,491
In Mexico April 8, 1943
1 Claim. (Cl. 128-335)



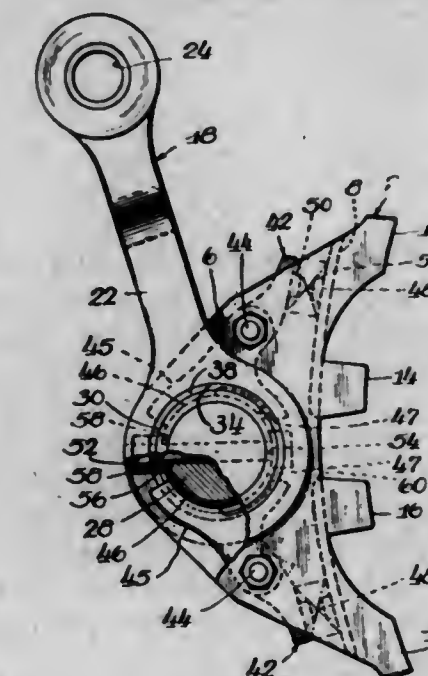
An indirect suture or seam for wounds comprising a pair of adhesive strips adapted to be adhered respectively adjacent opposite lips of a wound, a portion of each said strip being folded along an edge, a reinforcing thread within each folded over portion, said portions having spaced apart perforations adjacent the reinforcing thread, lacing threaded through said perforations and joining said strips and having ends adapted to be tightened to draw the adhered strips toward each other and thereby to close the lips of said wound, removable means to secure the ends of said lacing to at least one of said members to prevent entanglement of said ends and separation of said members prior to use of said suture or seam, an adhesive member attached to at least one of said strips, a medication bearing part adhered to said member, and a protective covering for said medication bearing part, said medication bearing part being positioned to overlie the lacing in contact with the wound, and said adhesive member being admeasured to adhere to a portion of said strips when said protective covering is removed.

2,387,132

BRAKEHEAD BALANCING DEVICE

Norman Flesch, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application July 5, 1943, Serial No. 493,548
24 Claims. (Cl. 188-236)



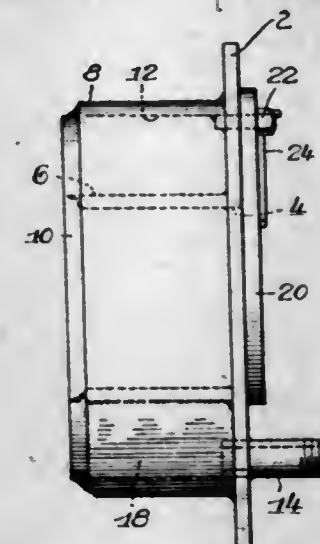
24. In a friction arm for a brake head, a rigid member having pivot means intermediate its ends, a bearing portion on one end of said member extending outwardly on opposite sides thereof, an arcuate friction surface on said portion extending substantially perpendicular to the plane of said member, and a spring seat on the opposite end of said member with positioning means for an associated spring, the opposite ends of said bearing portion being formed with angularly

arranged surfaces for engagement with an associated member in planes extending radially from the center of curvature of said friction surface to limit relative movement between said arm and said associated member.

2,387,133

PEEPHOLE BOX

Carl Foster, East St. Louis, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application March 29, 1943, Serial No. 480,902
7 Claims. (Cl. 126-200)



1. In a fabricated peep hole box, a plate with a round opening therethrough, a pipe welded to said plate, another pipe within said first-mentioned pipe and welded to said plate around said opening, said pipes being spaced from each other and defining an annular fluid chamber therebetween, an annular plate spaced from said first-mentioned plate, said second-mentioned plate being welded at its outer and inner perimeters respectively to said first and second-mentioned pipes, and fluid inlet and outlet openings through said first-mentioned plate communicating with said chamber.

2,387,134

METHOD OF FORMING T-HEAD COLUMNS

John Jay Fox, Chicago, Ill.

Original application January 16, 1941, Serial No. 374,618. Divided and this application December 21, 1943, Serial No. 515,115
4 Claims. (Cl. 29-155)

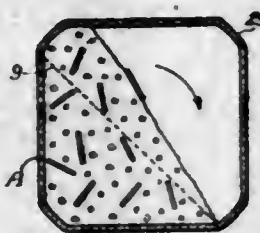


1. The method of forming a built-up T-head column which comprises cutting away the webbing between the side flanges of an H-beam column for a distance downwardly from the upper end of the column, bending the side flanges on opposite sides of the column outwardly for substantially the distance of said cutaway web portion, forming a plate of substantially T-shape with opposed arcuate side edges to fit into the opening between said bent flanges, positioning said plate between said bent out flanges so that

its lower end seats upon the upper edge of the uncut webbing in said column and the bent out flanges rest against the said arcuate side edges of said plate, welding said flanges to said arcuate side edges so that they form the flanges thereof, and welding a top flange along the upper edge of said plate.

2,387,135

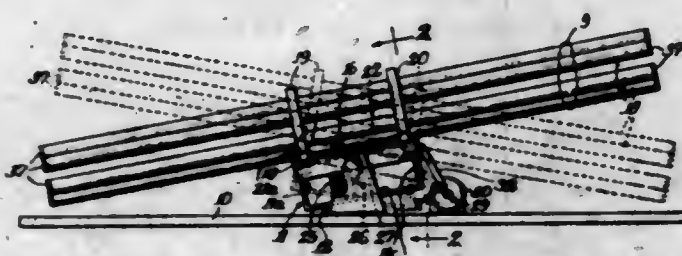
METHOD OF GRINDING SMALL OBJECTS
Hal F. Fruth, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application March 16, 1944, Serial No. 526,700
15 Claims. (Cl. 51-282)



1. The method of grinding the surfaces of small fragile objects and of imparting a predetermined surface contour to the objects as the grinding proceeds, which comprises selecting a group of said objects having substantially matching surface contours, mixing the selected objects with a loose abrasive material, disposing the mixture within a square container having side dimensions of from seven to eight inches, and rotating said container about its long axis for a predetermined time interval at a speed within the range of from twenty-five to forty-five revolutions per minute, the particular speed within said range being selectable to determine the character of said predetermined contour.

2,387,136

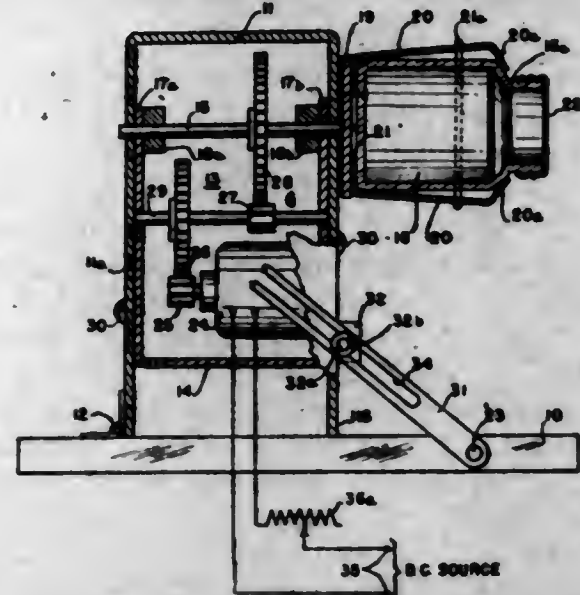
METHOD AND APPARATUS FOR EDGE GRINDING SMALL OBJECTS
Hal F. Fruth, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application June 25, 1943, Serial No. 492,203
9 Claims. (Cl. 51-164)



6. Apparatus for edge grinding relatively small objects, comprising an elongated hollow tube-like member which is adapted to have an abrasive material on the inner surface thereof and is adapted to support on said inner surface edge portions of the objects which may be disposed therewithin, means for rotating said member at a speed such as to move said inner surface relative to the objects, means for moving said member so that one end thereof is alternately above and below the other end thereof, thereby to move the objects within said member back and forth longitudinally of said member, and at least one obstruction along the inner surface of said tube adapted to be engaged by the objects in order to change the edge portions of the objects which bear against said inner surface.

2,387,137 METHOD OF FINISHING PIEZOELECTRIC CRYSTALS

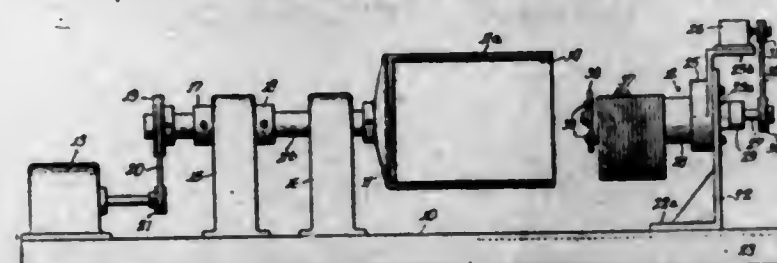
Hal F. Fruth, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application June 28, 1943, Serial No. 492,540
6 Claims. (Cl. 51-282)



1. The process of producing crystals of a desired frequency from unfinished crystals of lower frequency and of concurrently cleaning the crystals, which comprises the steps of mixing the crystals with a liquid cleaning agent and a charge of loose grit-like material capable of abrading the crystal faces, and agitating the mixture to produce relative sliding movement between the crystals and the grit-like material, thereby to effect an increase in the resonant frequencies of the crystals toward said desired frequency and concurrent washing of the crystal surfaces.

2,387,138

GRINDING METHOD AND APPARATUS
Hal F. Fruth, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application July 14, 1943, Serial No. 494,681
11 Claims. (Cl. 51-73)



8. Apparatus for grinding the outer surface of a round object comprising, in combination, an endless abrasive surface, means for continuously moving said surface, means for continuously moving said object so that the outer surface thereof is intermittently moved into engagement with said abrasive surface, and means supporting said object so that the frictional engagement between said abrasive and outer surfaces causes the segments of said outer surface which intermittently engage said abrasive surface to be changed at random.

2,387,139

APPARATUS FOR EDGE GRINDING SMALL OBJECTS
Hal F. Fruth, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application July 28, 1943, Serial No. 496,382
9 Claims. (Cl. 51-135)

2. Apparatus for grinding the edges of a relatively small object, comprising an endless flexible

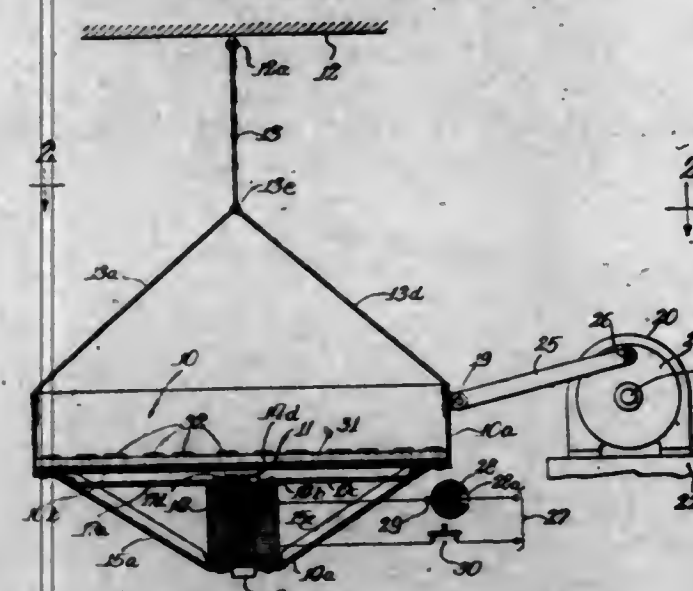
belt having an abrasive surface at the inner side thereof, means supporting said belt so that a portion thereof hangs free to provide a trough having curved sides for supporting the object at



the edges thereof, and means for driving said belt so that said abrasive surface is continuously moved relative to the edges of the object supported upon the curved sides of said trough.

2,387,140

METHOD AND APPARATUS FOR FINISH GRINDING PIEZOELECTRIC CRYSTALS
Hal F. Fruth, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application April 29, 1944, Serial No. 533,278
8 Claims. (Cl. 51-2)



1. The method of grinding piezoelectric crystals to increase the resonant frequencies thereof to a predetermined desired value, which comprises supporting the crystals upon a mass of loose abrasive material, and oscillating the crystals and abrasive material to produce relative movement between the surfaces of said crystals and said abrasive material.

2,387,141

METHOD OF MAKING PIEZOELECTRIC CRYSTAL STRUCTURES
Hal F. Fruth, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application July 3, 1943, Serial No. 493,419
5 Claims. (Cl. 171-327)

1. The method of forming electrode surfaces upon the faces of a piezoelectric crystal, which comprises metalizing substantially all surfaces of said crystal, supporting the metalized crystal at

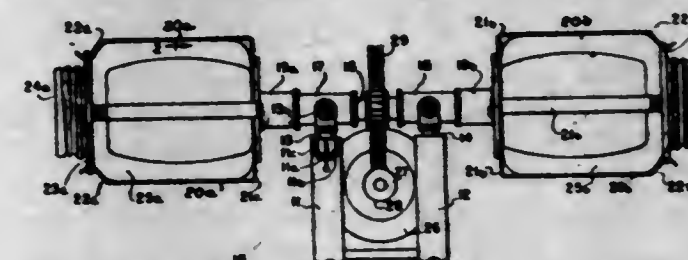
its edges upon an abrasive trough-like surface, and producing relative movement between said



crystal and said surface in order to open the metallic connection between the metalized face surfaces of said crystal.

2,387,142

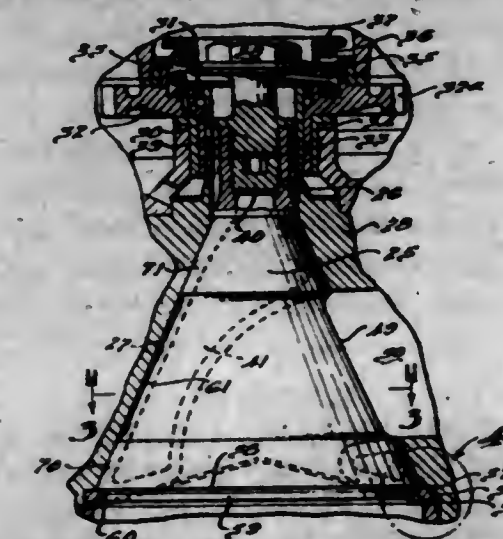
CRYSTAL GRINDING AND ETCHING
Hal F. Fruth, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application June 13, 1945, Serial No. 599,152
12 Claims. (Cl. 51-282)



12. The process of producing piezoelectric crystals having a desired resonant frequency from unfinished crystals of lower frequency, which comprises the steps of mixing the unfinished crystals with a mass of loose abrasive material, agitating the mixture to produce flowing of the mixture such that the crystals migrate about in and slide upon the abrasive material with low contact pressure therebetween, thereby to abrade the crystal faces and thus increase the resonant frequencies thereof toward said desired resonant frequency, removing the crystals from the abrasive material, and etching the crystal faces, thereby further to increase the resonant frequencies of said crystals toward said desired resonant frequency.

2,387,143

ENGINE
Waldo G. Gernandt and Alfred E. Walden, Detroit, Mich., assignors to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application February 13, 1943, Serial No. 475,757
25 Claims. (Cl. 123-80)

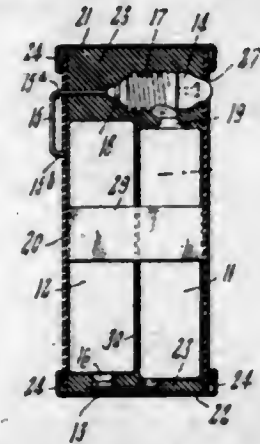


1. In an internal combustion engine, a cylinder head, and a rotatable generally frusto-conical valve therein, said valve having a circumferential relieved area of reduced diameter terminating short of one end of the valve and extending only partially around the valve.

2,387,144

ELECTRIC FLASHLIGHT

William H. Gey, Boston, Mass.

Application August 26, 1942, Serial No. 456,216
2 Claims. (Cl. 240-10.6)

2. An electric flashlight comprising a casing of moisture-repellent insulating material including a tubular part and transverse members disposed to close the interior space, a plurality of battery cells in said casing of less length than the distance between said transverse members, the ends of said cells being separated by end spaces from both transverse members of the casing, a conductor in one of said end spaces connected to parts of adjacent cells having opposite electric polarity, an incandescent electric lamp having a base with external terminals constituted by a metal shell and a conductor insulated from said shell, the casing having an opening communicating with the other end space of the casing and the lamp being located in the last named space with a light-emitting portion protruding into the opening and bearing against the rim thereof, one of said lamp terminals being in soldered connection with a terminal of one of the battery cells, a conductor forming part of circuit closing means in soldered connection with the other lamp terminal, and water-repellent insulating plastic filling both end spaces of the casing and embedding the lamp and conductors in moisture-sealing contact therewith.

2,387,145

PRODUCTION OF COLORED PHOTOGRAPHIC IMAGES BY COLOR-DEVELOPMENT

Bruno Gluck, Elstree, England, assignor to Dufay-Chromex Limited, London, England, a British company

No Drawing. Application July 10, 1944, Serial No. 544,329. In Great Britain May 26, 1943
10 Claims. (Cl. 95-6)

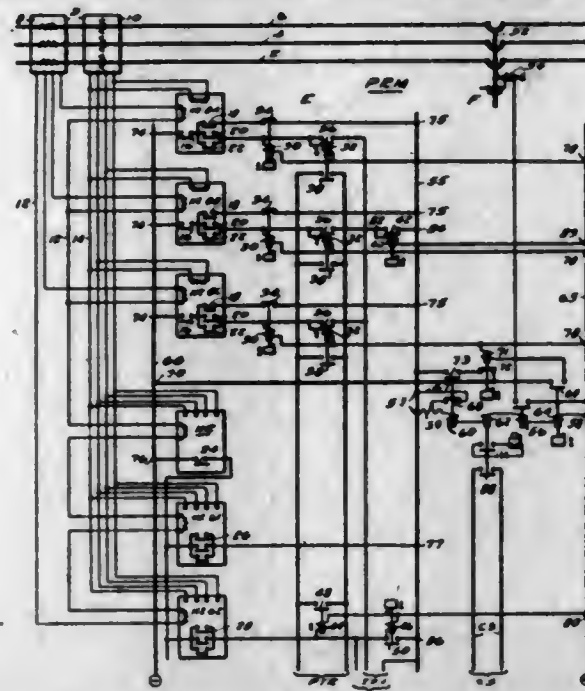
1. A process for the development of a reducible silver salt emulsion to produce a colored image which process comprises developing the emulsion by means of an aromatic amino-developing agent containing a primary amino group in conjunction with a color-former in which the coupling function occurs at least twice and in which at least two of the active methylene groups constituting the coupling functions are directly linked by means of a single sulphur atom.

2,387,146

MULTIPLE SIGNALING CARRIER SYSTEM WITH RELAYING PROTECTIONHerbert W. Haberl, Hampstead, Quebec, Canada
Application January 27, 1944, Serial No. 519,884
26 Claims. (Cl. 179-2.5)

1. An invention of the type described comprising an electric power transmission line comprising a plurality of stations interconnected by a plurality of line-sections, a plurality of line-interrupting means operable for segregating a

faulted line-section, protective relaying means for said line-sections for operating said line-interrupting means as aforesaid in response to an internal fault in a line-section, in combination with a plurality of carrier-current equipments, one at each station, cooperable at a common fundamental carrier frequency, each comprising transmit-

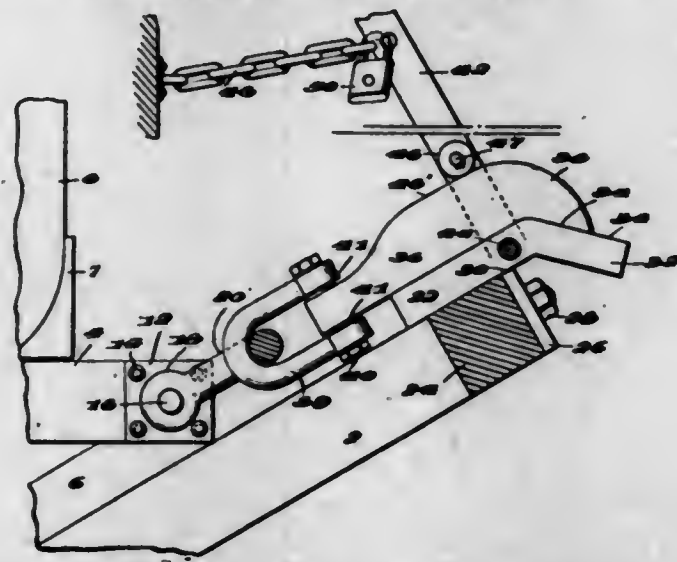


ting means, receiving means and means for selectively coupling either said transmitting means or said receiving means to said transmission line, said coupling means normally tending to couple said receiving means, in receiving condition, to said transmission line, and means at each station operable by a line-interrupting operation of said protective relaying means for operating said coupling means for coupling the transmitting means at such station to said transmission line.

2,387,147

SHIP LAUNCHING DEVICE

James B. Hall, Nashville, Tenn.

Application July 24, 1944, Serial No. 546,281
12 Claims. (Cl. 61-67)

1. A ship launching device, comprising in combination an angled pad fixed in position at an angle with respect to the pull exerted by the ship, an angled slide connected to and movable with the ship to be launched, and means for releasably clamping said slide to said pad with their angled portions in engagement.

2,387,148

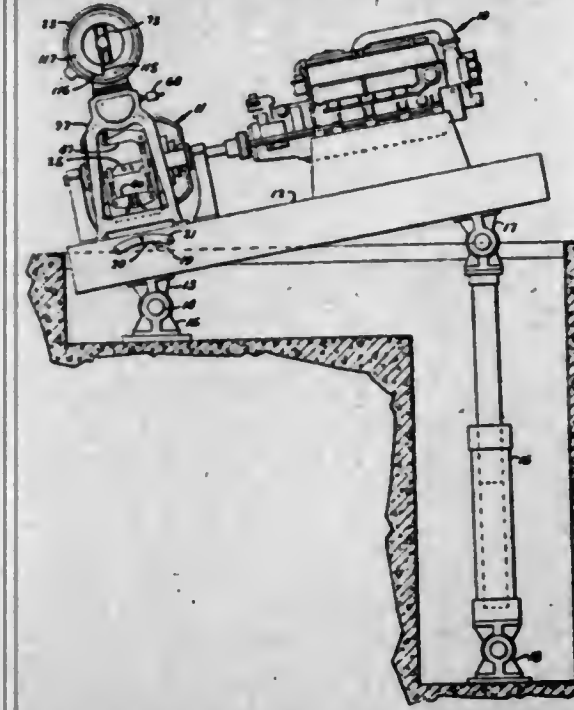
TILTABLE DYNAMOMETER

Halvor O. Hem, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey

Application April 29, 1943, Serial No. 485,034
5 Claims. (Cl. 73-136)

1. In testing equipment of the class described, in combination, a base mounted on and tiltable

about a fixed horizontal axis, said base being adapted to support the device under test, a dynamometer mounted on said base with its axis of rotation lying in a plane perpendicular to said horizontal axis, force counter-balancing means mounted on said base and operatively connected



to said dynamometer, said force counterbalancing means comprising a balanced nonpendulous lever system and a spring counter-balance connected thereto, and indicating means operatively connected to said lever system to indicate the magnitude of the force counterbalanced.

2,387,149

MEANS FOR ADJUSTING PROFILES

James R. Hicks, Waterbury, Conn., assignor to The Bristol Company, New Haven, Conn., a corporation of Connecticut

Application June 8, 1943, Serial No. 490,031
15 Claims. (Cl. 74-568)

1. Motion transmitting means, comprising an extended carrier having a portion movable in a plane, a resilient deformable cam element coextensive with said carrier and supported thereon at a plurality of points, and means to adjust the cam element independently at said points to deform the same simultaneously in senses both parallel to, and normal to, said plane, whereby the adjustment in one of said senses at said points will effect deformation of said cam element in the other of said senses, thereby to modify the cam profile.

2,387,150

MATERIAL HANDLING APPARATUS

Rudolf F. Hlavaty, Cicero, Ill.

Application September 26, 1940, Serial No. 358,463
16 Claims. (Cl. 19-163)

11. In a lapping machine, means for forming a web, and means for forming a batt, said web forming means including a plurality of conveyors, members defining a fixed material receiving point upon one of said conveyors, and members defining a movable discharge point from said conveyor, and means for moving two parts of said conveyor in different directions, the path of one of

said parts being approximately one-half as long as that of the other of said parts, said part moving means comprising means for moving the discharge point from said conveyor back and forth, means for maintaining a path for said web along



said conveyors, of substantially unvarying length from said receiving point to said discharge point, irrespective of the movement of the latter, said last-mentioned means including another of said conveyors.

2,387,151

COCKTAIL SHAKER

Charles T. Jacobs, Orange, N. J.

Application March 15, 1940, Serial No. 324,174
17 Claims. (Cl. 220-1)

1. A beverage shaker having a first compartment in which liquid ingredients may be brought in contact with ice, having a storing compartment encircling the first compartment, provided with a liquid-transfer passage between the compartments through which the beverage may be transferred out of the first compartment while ice is retained to melt therein, and provided with an outlet passage leading around the first compartment from the storing compartment and through which essentially all the contents of the latter may be discharged from the shaker by a progressive pouring orientation of the shaker, said passage passing in front of the first compartment when the shaker occupies its upright orientation, and said liquid-transfer passage being positioned in ineffective relationship to both the ice-water in the first compartment and the contents of the storing compartment during said pouring orientation.

2,387,152

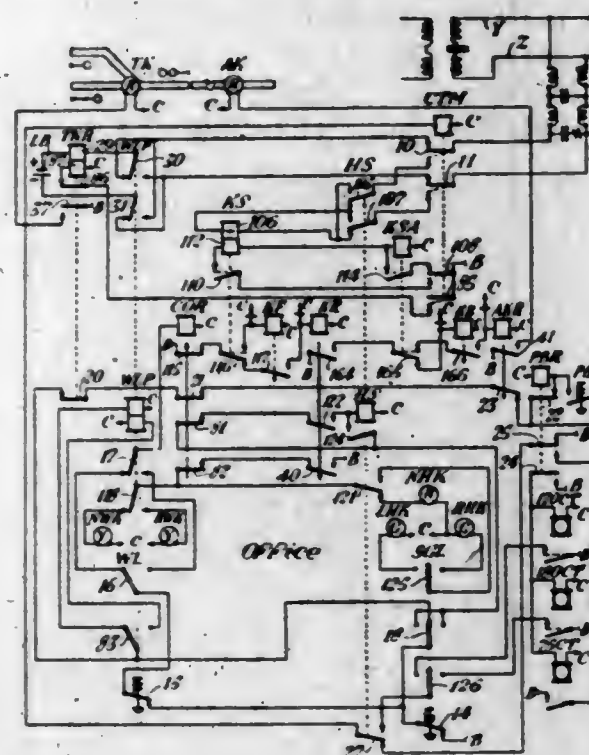
REMOTE CONTROL SYSTEM

Arthur L. Jerome, Edgewood, and Lloyd V. Lewis, Pittsburgh, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application February 2, 1944, Serial No. 520,718
40 Claims. (Cl. 246-3)

1. In a remote control system, in combination, an office and a station connected by line wires, a

track switch at the station, a signal for governing traffic movements over the switch, means at the office for supplying to said line wires master code consisting of current impulses separated by "off" intervals, means at the office for causing said master code current impulses to be of one relative polarity or another and for at times causing said current impulses to occur at a first selected rate and at other times to occur at a second selected rate, switch and signal control means at the station governed by master code current supplied over said line wires, said means being selectively responsive to the relative polarity of said current for operating the track switch to its normal or its reverse position, said means being effective to clear said signal when and only when said current impulses occur at said second rate, means at the station governed by said switch for supplying impulses of feed-back current of one relative polar-



ity to said line wires during the "off" periods in said master code, means at the station governed by said signal for supplying impulses of feed-back current of the other relative polarity to said line wires during the "off" periods in said master code, a code following detector relay at the office operated by feed-back current supplied over said line wires, said detector relay having a contact which is moved from a first to a second position when and only when current flows through the relay winding in a given direction, means effective according as the master code impulses supplied to said line wires occur at said first or said second rate to connect said detector relay with said line wires so that current flows through the relay winding in said given direction when the feed-back current is of said one or said other relative polarity, and indication means governed by said detector relay.

2,387,153

APPARATUS FOR TRAINING GUNNERS

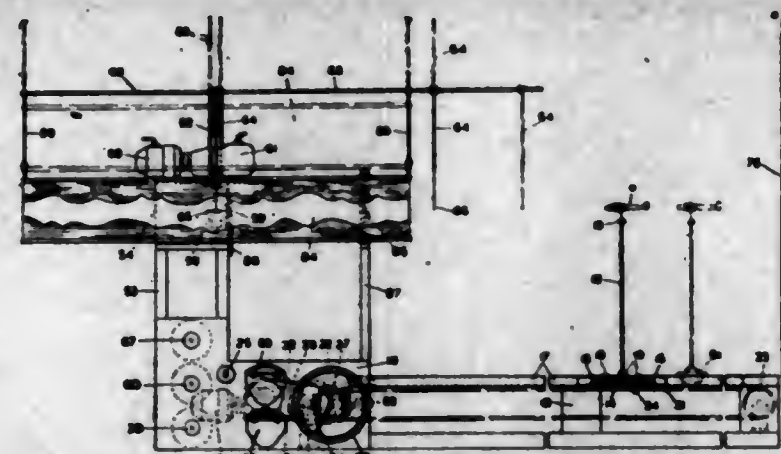
Louis George Johnson, Gerrards Cross, and Alfred German Rose, Gainsborough, England; said Rose assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England, a British company

Application September 18, 1942, Serial No. 458,894
In Great Britain September 18, 1941

23 Claims. (Cl. 35-25)

1. Apparatus for training gunners comprising a screen, means for projecting a beam of light on to the screen, and one or more target models disposed within the beam of light so as to pro-

duce on the screen an image or images of said model or models, the arrangement being such that a relative movement can be brought about be-



tween one or more of said models and the screen and/or the light-projecting means so as to vary the position and/or size of said image or images on the screen.

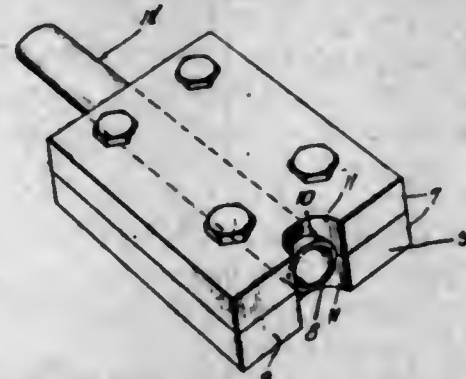
2,387,154

METHOD OF JOINING BUS BARS

Herman C. Kalwitz, Park Ridge, Ill.

Application October 24, 1941, Serial No. 416,330

2 Claims. (Cl. 29-148)



1. The method of joining a tubular tap electrical conductor of copper to a cylindrical electrical bus conductor of copper in power stations, substations and the like where the conductors must remain substantially in their final positions during the joining operation, said method comprising performing swaging operations on said tap directly on the site where the finished joint is to be located by first securing a female shaping die over the end portion of said tap, driving into the end of said tap a first male die having diametrically opposite inclined surfaces which swage diametrically opposite portions of said tap outwardly at an incline so that the end of the tap assumes the general appearance of an oblong cone, then driving into said oblong cone a finishing tool having die surfaces corresponding substantially to the outer surface of the cylindrical bus conductor so as to form an integral cylindrical saddle on the end of said tap which closely fits the bus conductor, placing said saddle mechanically in contact with the bus conductor with intervening capillary spaces of 7 to 10 mils or less therebetween, heating the adjacent parts of the two conductors while maintained in such contacting relation to a temperature of approximately 600° C. or higher, and then flowing fused silver solder between the meeting surfaces of the saddle and the bus conductor, said silver solder flowing uphill in said capillary spaces by capillarity so as to complete portions of the joint higher than the points of introduction of the silver solder, said silver solder having a fusion temperature approximately in the range from 600° C. to 900° C. whereby it flows into said capillary spaces at temperatures below the melting point of copper but does not soften at high fault temperatures arising in the conductors.

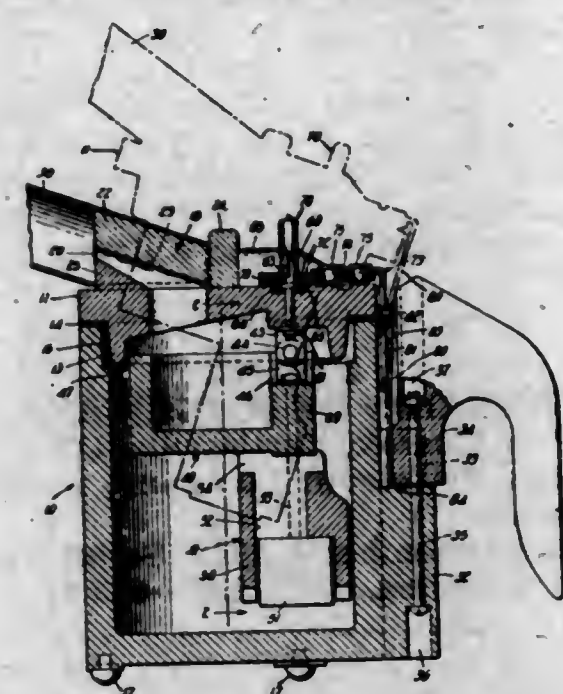
2,387,155

ELECTRIC VAPORIZER

Max Katzman, Brooklyn, N. Y.

Application April 28, 1943, Serial No. 484,848

13 Claims. (Cl. 219-40)



1. An electric vaporizer comprising a jar adapted to contain the liquid to be vaporized, a lid for said jar, an electric heater suspended from said lid and provided with terminals on the upper side of said lid, conductor prongs adapted to engage said terminals and to receive a separate plug, and means for supporting said prongs for translational movement in and out of engagement with said terminals, and for angular movement to and from the upper side of said lid, said prong supporting means locking said lid against removal while said prongs engage said terminals, and permitting said lid removal while said prong supporting means are in angular position away from the upper side of said lid.

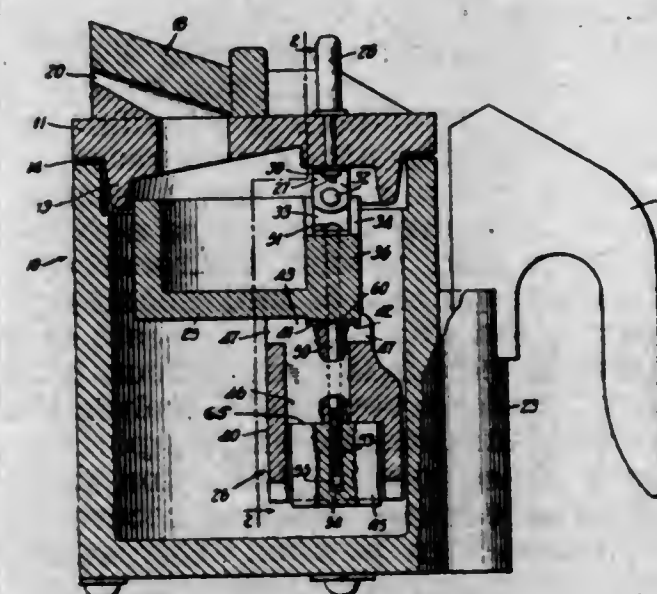
2,387,156

ELECTRIC VAPORIZER

Max Katzman, Brooklyn, N. Y.

Application April 28, 1943, Serial No. 484,849

4 Claims. (Cl. 219-40)



1. In an electric vaporizer, a lid, a receptacle suspended from said lid, an electric heater, and means for supporting said heater from said receptacle and comprising an upright metal fastening pin in the circuit of said heater anchored at its upper end to said receptacle and secured at its lower section with a friction fit to said heater.

2,387,157

EMULSIFIED PETROLEUM PRODUCTS

Robert M. Koppenhoefer, Jackson Heights, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application October 1, 1941,

Serial No. 413,161

4 Claims. (Cl. 252-311.5)

1. A composition of matter capable of ready dispersion in water to form a stable aqueous emulsion comprising from about sixty percent to eighty-six percent by weight of a material selected from the group consisting of petroleum oils and petroleum waxes, from about seven percent by weight to about twenty percent by weight of lecithin and from about seven percent to about twenty percent by weight of an ester derived from mannitan and a high molecular weight fatty acid, the lecithin and ester being present in proportions ranging from substantial equality to not over eight parts ester to five parts lecithin.

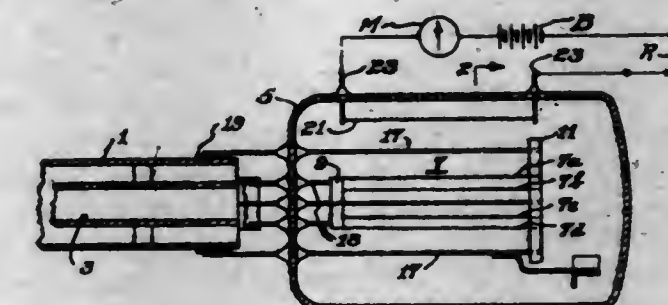
2,387,158

COAXIAL LOAD RESISTOR FOR ULTRA HIGH FREQUENCY MEASUREMENTS

Henry N. Kozanowski, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 25, 1942, Serial No. 432,190

4 Claims. (Cl. 315-64)



1. A load device for terminating a concentric line in its characteristic impedance, said device comprising a hermetically sealed transparent envelope containing a resistance element adapted to incandesce under normal load and providing a terminating resistance substantially equal to the characteristic impedance of said line, a plurality of leads symmetrically mounted about said resistance element and extending through a wall of said envelope, said leads and said resistance element comprising an electrical path possessing substantially uniform resistance, capacitance and inductance per unit length when subjected to currents of radio frequency whereby said device terminates said line in its characteristic impedance.

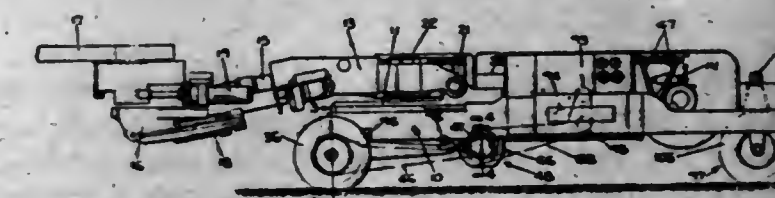
2,387,159

MINING MACHINE

Arthur L. Lee, Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Application November 4, 1943, Serial No. 508,929

10 Claims. (Cl. 180-17)



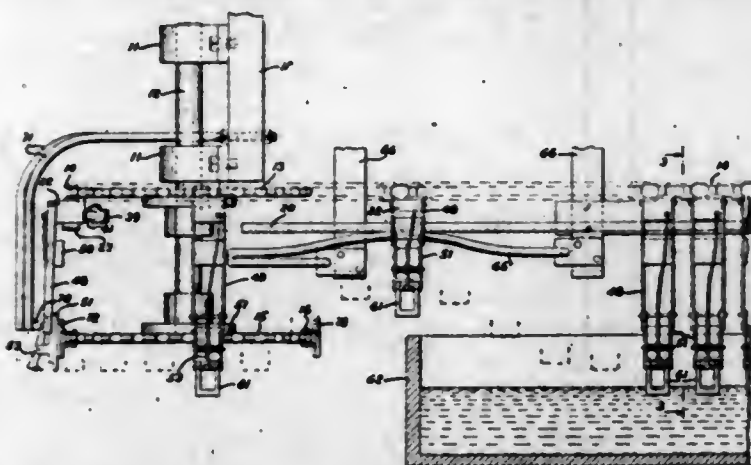
5. A differential including a cage having a pair of laterally extending portions, a gear mounted

for rotation on each laterally extending portion of said cage, means mounting said cage for rotation, differential gearing in said cage and connected thereto, and means including individual shafts extending through said laterally extending portions and connected to said gears, one shaft being individual to each gear, said means also including a loose driving coupling between each shaft and gear, each gear having a brake drum rigidly attached thereto.

2,387,160

ARTICLE HANDLING APPARATUS

William W. Loney, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 12, 1942, Serial No. 442,658
3 Claims. (Cl. 198-179)

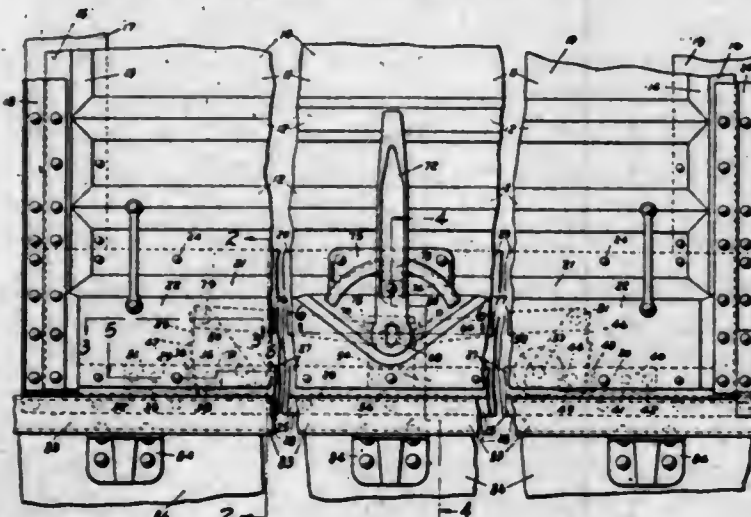


1. In an electroplating apparatus, a sprocket wheel, a chain associated with said sprocket wheel, a second sprocket wheel mounted below said sprocket wheel and in axial alignment therewith, a chain associated with said second sprocket wheel, a carrier attached to the upper chain, an article supporting arm pivotally mounted on said carrier, a clamp on said arm for engaging an article, a cam positioned along the path of said carrier and engageable by said clamp to open said clamp, means for moving said clamp with respect to said cam, and means on the lower chain for holding the clamp in engagement with said cam.

2,387,161

DOOR LIFTING MECHANISM

Thorvald Madland, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application March 13, 1943, Serial No. 479,065
3 Claims. (Cl. 16-99)



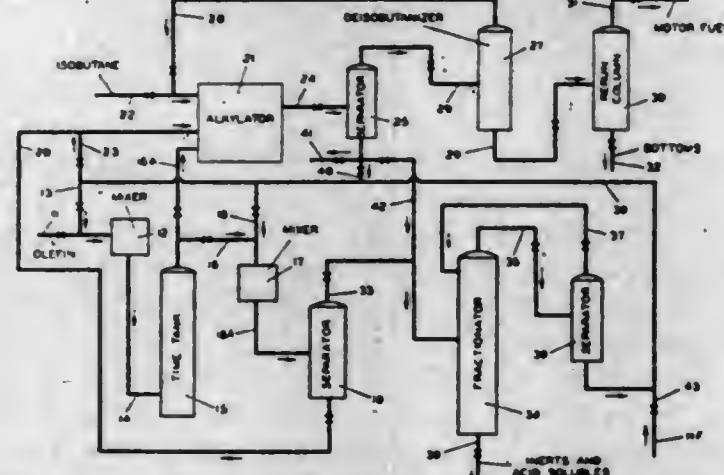
1. Lifting mechanism for a sliding door embodying a panel comprising spaced roller housings, a roller carried by each of said roller housings, a pin carried by and extending through each of said roller housings beyond the periphery of said rollers, said pins being oppositely disposed relative to said rollers, the ends of said

pin being adapted to be journaled in said door, said roller housings, rollers and pins lying inwardly of said panel, an actuating member adapted to be journaled in said door inwardly of said panel between said roller housings for rotation in either direction, said actuating member having horizontally extending ears, a vertical lever mounted on said actuating member on the outside of said door, bars disposed inwardly of said panel and pivotally connected to said ears and said roller housings above said rollers, said lever being operable to rotate said actuating member in either direction to exert a pull only upon said bars and a lifting force upon said door.

2,387,162

CONVERSION OF HYDROCARBONS

Maryann P. Matuszak, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 4, 1942, Serial No. 467,874
4 Claims. (Cl. 260-683.4)



3. An improved process for reacting a low-boiling olefin and a low-boiling isoparaffin to produce higher-boiling paraffins in the presence of a hydrofluoric acid catalyst, which comprises intimately admixing a hydrocarbon material containing a low-boiling olefin with liquid hydrofluoric acid in an amount substantially equimolar to said olefin, maintaining said admixture for not more than about 30 minutes, intimately admixing with the resulting material a substantial excess of liquid concentrated hydrofluoric acid in an extraction step at an extraction temperature not greater than about 100° F. and subsequently separating a first hydrocarbon phase and a first liquid hydrofluoric acid phase, intimately admixing a low-boiling isoparaffin with said liquid hydrofluoric acid phase under reaction conditions such as to produce higher-boiling paraffin hydrocarbons, separating effluents of said reaction into a second hydrocarbon phase and a second liquid hydrofluoric acid phase, recovering a hydrocarbon product from said second hydrocarbon phase, passing a major portion of said second acid phase to said extraction step as a part of said extraction liquid, passing said first hydrocarbon phase to a distillation step for recovery of dissolved hydrogen fluoride therefrom, passing a minor portion of said second acid phase to said distillation step for removal of organic impurities, and recovering from said distillation step purified hydrogen fluoride and passing same to said extraction step.

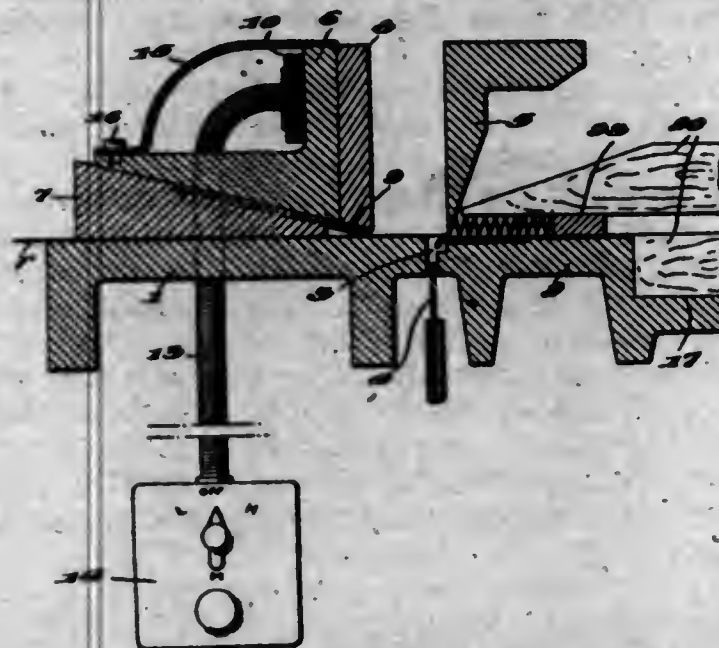
2,387,163

ACCORDION PLEATING MACHINE

William T. Maxant, Ayer, Mass.
Application August 23, 1943, Serial No. 499,672
6 Claims. (Cl. 223-30)

1. A pleating machine comprising means for forming accordion pleats in web material includ-

ing relatively movable elements arranged to fold the material back and forth upon itself substantially at right angles to the length of the material to form a pleat therein, said elements being

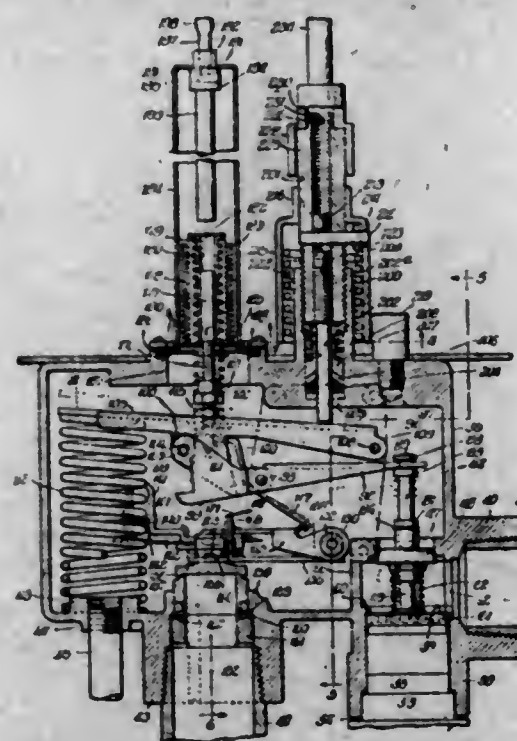


arranged for opposed pressure relation against opposite sides of the pleat in the web material, and means for applying heat through one of said elements to the formed pleat while the elements are in pressure relation with each other.

2,387,164

FLOOR FURNACE GAS CONTROL MEANS

Loures V. McCarty, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 4, 1943, Serial No. 477,942
14 Claims. (Cl. 236-1)



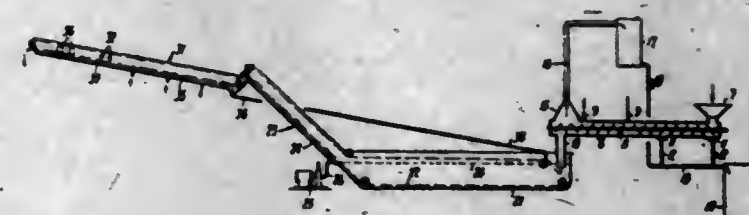
2. In control means of the character described, a housing having an inlet and an outlet, a safety shutoff valve controlling said inlet, condition responsive means for holding said valve open responsive to a first condition and closing it responsive to a second condition, a second valve controlling said outlet, thermoresponsive means, and adjusting means comprising connecting levers between said valves whereby said adjusting means is effective for optionally placing said second valve under control of said thermoresponsive means and for moving said second valve in closing direction independently of said thermoresponsive means in the normal operating condition of said control means with said safety shutoff valve held open.

579 O. G.-32

2,387,165

APPARATUS FOR THE TREATMENT OF FRUIT POMACE

Ernest Kurt Metzner, Cloverdale, Calif., assignor, by mesne assignments, to Stauffer Chemical Company, a corporation of California
Original application December 23, 1941, Serial No. 424,161. Divided and this application September 21, 1942, Serial No. 459,178
2 Claims. (Cl. 23-267)



1. Apparatus for recovering extractable values from a solid material comprising a closed chamber, a conveyor extending through said chamber for continuously moving a mass of said material through said chamber from one end to the other end, means at said one end of said chamber for introducing material to be extracted onto said conveyor, heating means associated with said chamber for heating material on said conveyor, means for introducing a first solvent liquid onto material on said conveyor adjacent said other end of said chamber, an outlet adjacent said one end of said chamber for said first solvent liquid, a vapor outlet arranged to conduct vapors from said chamber, a trough, an overflow outlet from said trough at one end thereof for a second solvent liquid, a solid material outlet from said chamber extending into said trough adjacent the other end thereof and below the level of said outlet from said trough, a first cleat conveyor in said trough for continuously moving solid material delivered from said chamber outlet from said other trough end to said one trough end, an inclined extension at said one trough end for draining said second solvent liquid into said trough, said first cleat conveyor extending from said trough and along and above said extension to provide a drain for material thereon, a second cleat conveyor for receiving material discharged from said first conveyor and inclined upwardly from that point whereat it receives material from the first conveyor, a drain pan below said second conveyor, a conduit for liquid collected by said pan for conducting said liquid to and discharging it at the other trough end, and means for discharging fresh second solvent liquid onto material on said second conveyor.

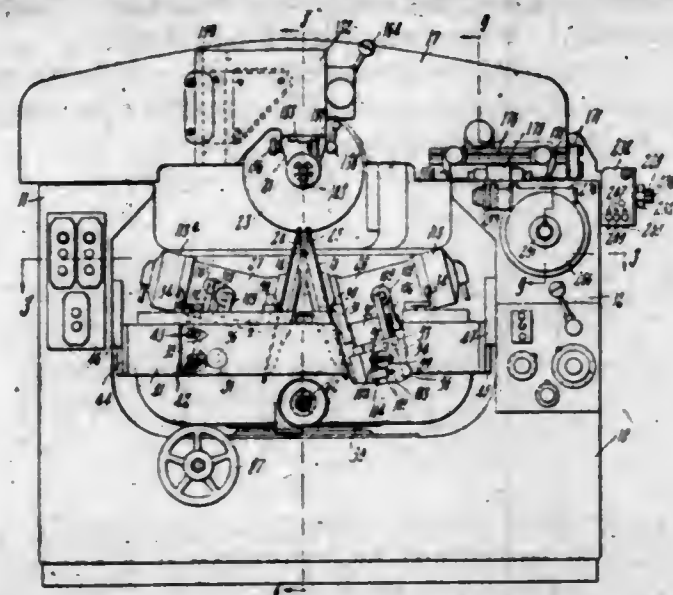
2,387,166

AUTOMATIC GEAR GRINDING MACHINE

Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application August 29, 1941, Serial No. 408,766
60 Claims. (Cl. 51-123)

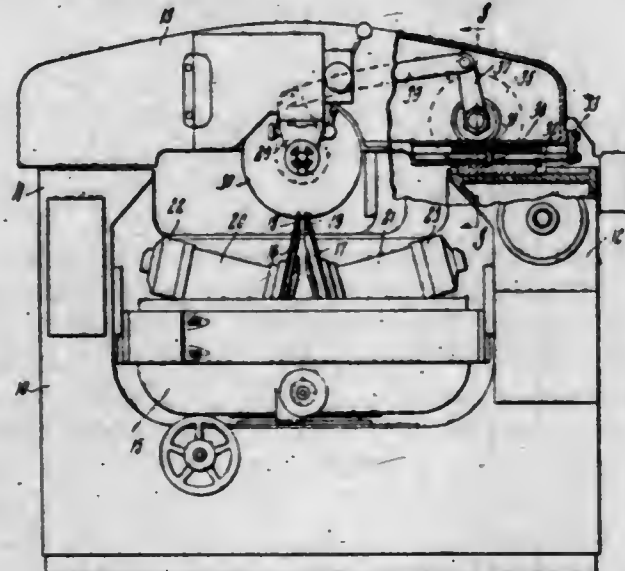
50. A gear grinding machine of the type in which the gear is rolled across the rim of a rotating grinding wheel with a tooth face of the gear engaging an active face of the wheel adjacent to the rim thereof, said machine having means for causing the gear teeth to be ground in either the direction from root to tip or the direction from tip to root, and said means comprising a work spindle on which the gear to be ground is mounted, a carriage on which the spindle is rotatably mounted, said carriage being movable reciprocally in directions to carry the work past the grinding wheel, rotation controlling means coupled with the spindle, two abutments between

which a portion of said rotation controlling means lies and is movable back and forth relatively to the carriage to engage either one exclusively, and reversible force applying means acting on said



rotation controlling means and operable to cause said portion to bear against one abutment or the other exclusively while the carriage travels in one direction.

2,387,167
GENERATIVE GEAR GRINDING MACHINE WITH FEED CONTROLLING SLIDE
Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application December 23, 1943, Serial No. 515,360
12 Claims. (Cl. 51-123)



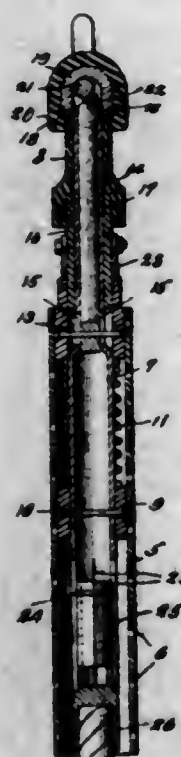
12. A machine for finishing gears and the curved faces of machine elements similar or analogous to gear teeth, comprising a supporting structure, a carriage mounted to reciprocate on said structure, a work spindle and a rocker supported rotatably on the carriage with their axes of rotation transverse to the path in which the carriage reciprocates and coupled together for transmission of angular movement from one to the other, a slide mounted on the supporting structure for movement in a path parallel to that of the carriage with which the rocker is in non-slip motion-transmitting engagement, abutments mounted on the supporting structure independently of the carriage in position to limit motion of the slide relatively to the carriage in opposite directions, means for reciprocating the carriage in its path, whereby the slide, engaging the abutments alternately with travel of the carriage in opposite directions, causes the work spindle to turn about its axis, means for shifting the abutments toward and away from each other, and a cutting tool arranged to perform a cutting action on a face of a work piece secured to the spindle.

2,387,168
TREATMENT OF CELLULOSE DERIVATIVE ARTICLES

Robert Wighton Moncrieff and Charles William Sammons, Spondon, near Derby, England, assignors to British Celanese Limited, London, England, a company of Great Britain
No Drawing. Application March 17, 1943, Serial No. 479,492. In Great Britain March 4, 1942
4 Claims. (Cl. 8-132)

1. Process for the treatment of artificial yarns, foils and similar materials, which comprises impregnating stretched yarns, foils and similar materials having a basis of a lower aliphatic acid ester of cellulose and having an extensibility of 10% or less with an anhydrous medium containing from 30 to 55% by volume of cyclopentanone in the absence of tension sufficient to stretch them and removing the medium from the materials by a washing operation on completion of the treatment.

2,387,169
ELECTRODE HOLDER
Roy C. Morford, Manassas, Va.
Application August 13, 1943, Serial No. 498,557
2 Claims. (Cl. 219-8)



2. An electrode holder comprising an insulated handle, a tubular conductor disposed within the handle, a plunger operating within the tubular conductor, one end of said plunger being beveled, an open-ended head tiltably mounted on one end of said tubular conductor and into which the beveled end of the plunger extends, said plunger adapted to clamp an electrode between the beveled end thereof and head, and means for urging the plunger into said head.

2,387,170
LOW TEMPERATURE LUBRICANTS
John D. Morgan, South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application August 27, 1942, Serial No. 456,366
11 Claims. (Cl. 252-36)

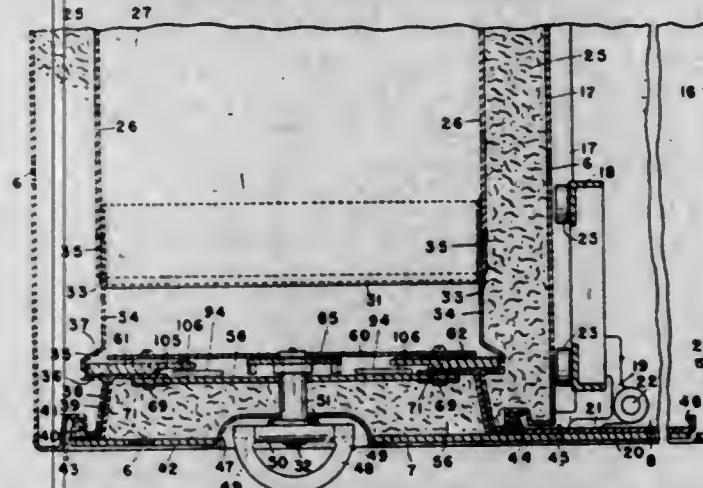
1. A low temperature lubricant consisting essentially of a polyhydronaphthalene having dissolved therein a small proportion of an extreme pressure agent sufficient to impart extreme pressure properties to the lubricant.

2,387,171
PROCESS OF REFINING CRUDE PETROLATUM

John D. Morgan and Angus R. Blakey, South Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application May 11, 1943, Serial No. 486,588
7 Claims. (Cl. 196-21)

2. A process for refining crude petrolatum to produce a series of separate fractions therefrom, which comprises the steps of diluting such crude petrolatum with a non-polar hydrocarbon solvent, passing the solution into a column of adsorption material to separate it into fractions of different color, the dilution of the petrolatum preferably being such that not more than 5 percent of the diluted material will pass through the column as pure white petrolatum, thereafter extracting the petrolatum by passing additional quantities of said non-polar solvent through the column, separately collecting portions of petrolatum solvent solutions leaving the column in accordance with the color thereof, and separating said solvent from such separate portions.

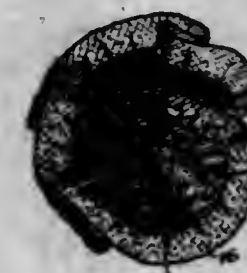
2,387,172
INSULATED RECORD CONTAINER
Edwin H. Mosler, New York, N. Y., and Harry H. Lynn, Wyoming, Ohio, assignors to The Mosler Safe Company, Hamilton, Ohio, a corporation of New York
Original application January 5, 1940, Serial No. 312,578, now Patent No. 2,347,705, dated May 2, 1944. Divided and this application December 26, 1940, Serial No. 371,628
11 Claims. (Cl. 109-74)



10. An insulated record container of the class described, which comprises a rectangular outer shell and an inner shell each having a forward portion defining a front opening of the cabinet, the forward portion of the outer shell all around the opening being turned inwardly and shaped to provide a continuous channel exposed toward the front of the cabinet to receive a door flange, a rectangular insert frame providing a door jamb, and comprising an inner portion fixed to the inner shell at intervals, leaving intervening areas of the insert frame out of intimate full contact with the walls of the inner shell so as to provide a heat conductivity break therebetween, a forward portion on the insert frame providing a door jamb area, and an adjacent out-turned flange to seat within the channel of the outer shell, said flange being fixed within the channel at intervals to likewise provide a heat conductivity break at the channel, and an inner continuous bolt channel in said insert frame intermediate the door jamb area and the heat conductivity break first mentioned, said bolt channel having a mouth substantially at right angles to the mouth

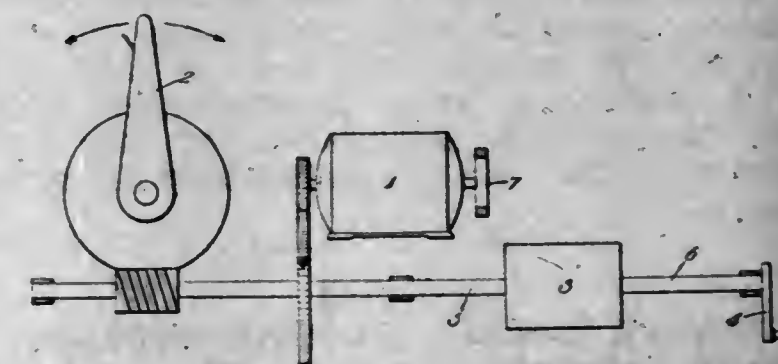
of the first mentioned channel, and a door movable toward and from the cabinet opening, and having a jamb area, a rearwardly turned circumferential flange to enter the outer shell channel, and a series of bolt plates projectable in the plane of the door into and from the bolt channel of the insert frame, said bolts and the circumferential flange of the door serving to confine the jamb areas sufficiently to preclude localized accumulation of explosive gases within the jamb area, while effecting a diffused release of accumulated gases around the door forwardly of the door flange.

2,387,173
ORNAMENTAL ACCESSORY
Jacob Nufer, West New York, N. J., assignor to Baar & Beards, Inc., New York, N. Y., a corporation of New York
Application June 6, 1944, Serial No. 538,972
4 Claims. (Cl. 2-278)



1. A button bow comprising at least two superimposed members made of flexible material, each member having a radial cut formed therein, said members being fastened to each other at their respective radial edges formed by their respective radial cuts, said members having a button hole formed between them at the inner end of said cuts.

2,387,174
ELECTRIC FOLLOW-UP MECHANISM
George Olah, London, England, assignor to Precision Developments Company Limited, London, England, a corporation of Great Britain
Application July 14, 1943, Serial No. 494,735
In Great Britain April 29, 1942
6 Claims. (Cl. 192-2)



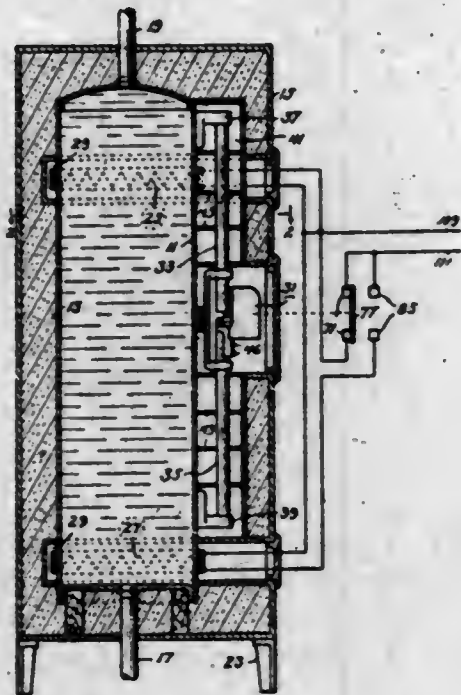
1. A braking mechanism for an electric motor comprising a brake member connected to the motor shaft for rotation thereby, an electro-magnetically operated friction brake positioned to apply a braking action on the brake member, electrical connections for the electric motor and the electro-magnetically operated brake including a coil connected across the electric supply terminals for the electric motor for generating the magnetic force for applying the brake, and at least one compensating coil counteracting the magneto-motive forces of the first-mentioned coil whenever the electric motor is in circuit, whereby a braking action is exerted on the brake

member when the electric motor is disconnected from the supply of electric current, but said first-mentioned coil still is connected thereto, and no braking action is exerted on the brake member either when the motor is in circuit or the supply of electric current to said first-mentioned coil is interrupted.

2,387,175

WATER HEATER CONTROL SYSTEM

Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application January 1, 1944, Serial No. 516,693
13 Claims. (Cl. 219—39)



1. A water heater control system for a hot water tank having an upper and a lower electric heater for said tank, a single plural-contact plural-position switch for selectively controlling the energization of said heaters, an upper rod having its upper end secured fixedly to the upper end portion of said tank, a lower rod having its lower end secured fixedly to the lower end portion of said tank, said rods extending longitudinally of said tank with their inner ends spaced apart, and having different linear thermal expansion than said tank, means supporting said switch on the inner end of one of said rods and switch-actuating means engaged by the inner end of the other rod for causing movement of said switch into a position to effect deenergization of the lower heater and energization of said upper heater when the tank is substantially full of cold water.

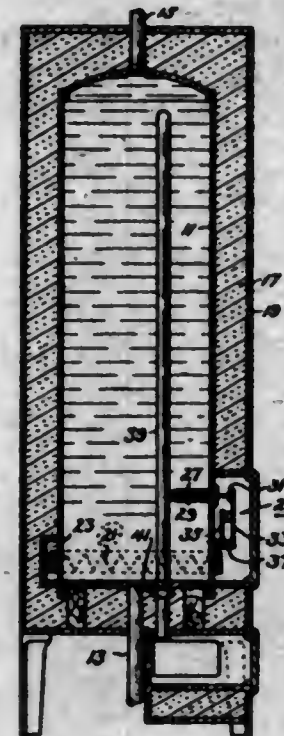
2,387,176

WATER HEATER CONTROL SYSTEM

Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application January 17, 1944, Serial No. 518,634
9 Claims. (Cl. 219—39)

1. A water heater system for a domestic hot water tank having a single electric heater, comprising a thermally-actuable control switch for said heater subject to tank water temperature at the bottom portion of the tank and adapted to be in closed position when subject to cold water, a second control switch for said heater connected in series circuit with said thermally-actuable switch, a thermally-actuable means for moving said second switch, having a portion in said tank extending throughout substantially its en-

tire length, said thermally-actuable means being effective to cause closure of said second switch

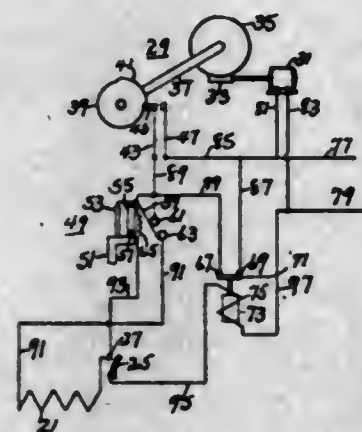


and immediate energization of said heating means in case the tank is filled with cold water.

2,387,177

WATER HEATER CONTROL SYSTEM

Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application February 4, 1944, Serial No. 521,112
8 Claims. (Cl. 219—39)



1. In a water heater control system for a hot water tank having an electric heater, comprising three heater control switches connected in series electric circuit relatively to each other and to the electric heater, the first switch being thermally-actuable by tank water at the lower end portion of the tank and being in closed position when subject to cold water, the second switch being a thermal retarder switch unit comprising a pair of dissimilarly thermally-responsive elements, subject to tank water temperature intermediate the ends of the tank and effective to selectively move the switch to closed position immediately and with a time delay period in accordance with its subjection to cold or to hot water and said third switch being time controlled and being moved into closed position during a predetermined period of a twenty-four hour day and heater-current controlled means for ensuring continuation of the energization of said electric heater beyond the opening of said time controlled switch in case said first switch is subject to cold water when said time controlled switch is opened.

2,387,178

TANK HEATER CONTROL SYSTEM

Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application July 17, 1944, Serial No. 545,351
12 Claims. (Cl. 219—39)



1. A control system for a hot water tank having an electric heater, comprising a lower thermally-actuable heater control switch located on the tank adjacent the lower end thereof, a time-controlled switch adapted to be in open position during on-peak periods of the day, a thermal retarder heater control switch unit mounted on the tank intermediate the ends thereof and including a first thermal switch adapted to be in closed position when subject to cold water in the tank and to be in open position when subject to hot water in the tank, and a second thermal switch adapted to be in open position when subject to hot water in the tank and to be in closed position when heated to an appreciably higher temperature, and a heating coil for said second thermal switch, a third switching means connected in shunt with said time switch and said second thermal switch, and other electric connections between said switches and said electric heater to cause immediate energization of said heater in case said thermal retarder unit is subject to cold water in the tank, irrespective of the position of the time-controlled switch.

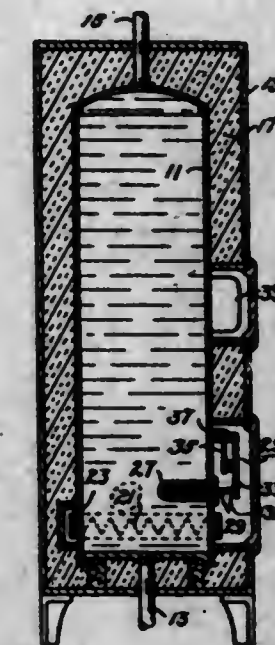
2,387,179

WATER HEATER CONTROL SYSTEM

Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application July 17, 1944, Serial No. 545,354
3 Claims. (Cl. 219—39)

1. A control system for a domestic hot water tank having an electric heater, subject to withdrawals of hot water throughout a twenty-four hour day, comprising a lower thermally-actuable heater control switch mounted in heat-receiving relation on the tank adjacent the lower end thereof, a time-controlled switch adapted to be in closed position during off-peak periods only, a thermal retarder unit mounted in heat-receiving relation on the tank intermediate the ends thereof, comprising a first thermal switch adapted to be in closed position when subject to cold water in the tank and in open position when subject to hot water in the tank, a second thermal switch adapted to be in open position when subject to cold and to hot water in the tank and to be in closed position when its temperature has been raised to a predetermined appreciably high-

er value, a heating coil for said second switch for raising its temperature to said predetermined higher value, the energization of said coil being controlled jointly by said time-controlled switch and said lower thermally-actuable switch, a third thermal switch adapted to be in open position when subject to cold and to hot water in the tank and adapted to be in closed position when heated to a predetermined appreciably higher temperature and other electric connections between said heater and said switches to

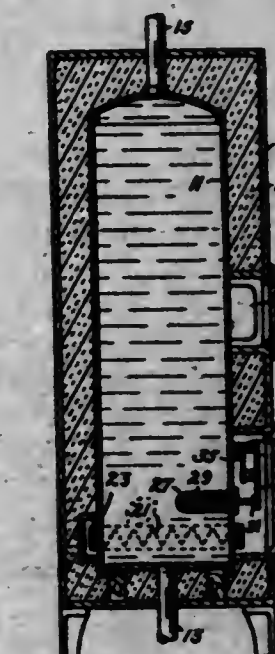


cause selective energization of said heater immediately when said thermal retarder is subject to cold water, irrespective of the position of said time-controlled switch, said energization continuing until the thermal retarder is subject to hot water and with a predetermined time period of delay after closure of said time-controlled switch in case said lower thermally-actuable switch only is subject to cold water, said energization continuing until substantially all of the water in the tank is hot, irrespective of the position of the time-controlled switch.

2,387,180

ELECTRIC TANK HEATER CONTROL SYSTEM

Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application July 20, 1944, Serial No. 545,766
4 Claims. (Cl. 219—39)



1. A control system for a domestic hot water tank having an electric heater, comprising a lower thermally-actuable heater control switch mounted

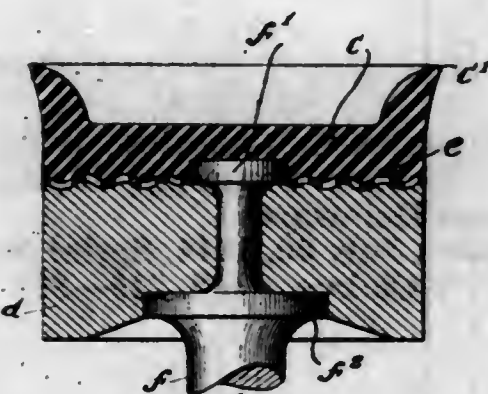
in heat-receiving relation on a tank adjacent to the lower end thereof and adapted to be in closed position when subject to cold water in the tank and to be in open position when subject to hot water in the tank, a time-controlled switch adapted to be in closed position during off-peak periods and a thermal retarder heater control switch unit adapted to be mounted in heat-receiving relation on a tank intermediate the ends thereof and consisting of a first snap-acting thermal switch having two fixed contacts and an open and a closed position, a second snap-acting normally open thermal switch having three fixed contacts and adapted to be moved into closed position when its temperature has reached a predetermined high value, a heating coil for said second switch for heating it to said predetermined high value and electric connections between said heater and said switches to cause immediate energization of said heater, through said lower switch, said time-controlled switch and the first switch of said thermal retarder switch unit after closure of said time-controlled switch in case said thermal retarder switch unit is subject to cold water at that time, the energization through said circuit continuing until the thermal retarder switch unit is subject to hot water, the energization of said heater being thereafter continued through said lower thermal switch and the second switch of said thermal retarder unit until terminated by said lower thermal switch when substantially all of the water in the tank is hot.

2,387,181

PISTON CONSTRUCTION, PACKING Anthony Procter, Newcastle-upon-Tyne 1, England

Original application January 24, 1942, Serial No. 428,140. Divided and this application December 10, 1942, Serial No. 468,489. In Great Britain February 14, 1941

4 Claims. (Cl. 309-4)



3. A piston comprising, a flexible rubber sealing flanged portion, a rigid base portion composed of moulded synthetic resin, and interposed between said rubber portion and said synthetic resin portion a wavy sheet of material affinitive and chemically bonded to said rubber and presenting interstices penetrated by said synthetic resin.

2,387,182

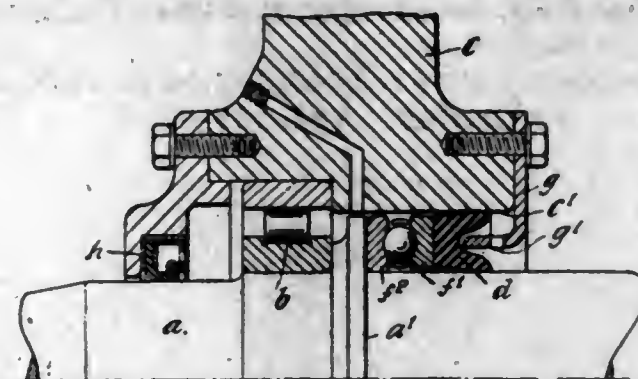
HYDRAULIC PACKING WASHER Anthony Procter, Newcastle-upon-Tyne, England

Application January 11, 1944, Serial No. 517,785
 In Great Britain December 28, 1942

3 Claims. (Cl. 286-7)

1. In a shaft housing, a U packing washer having lips oppositely laterally pressed by fluid pressure against surfaces of said shaft and housing,

a freely rotatable annulus against which the base of said U washer bears, and a second annulus



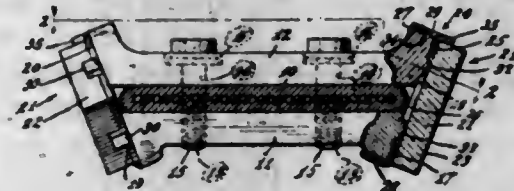
supported against displacement in said shaft bearing housing and supporting said first annulus against displacement.

2,387,183

BELT BLOCK

Paul B. Reeves, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana

Application April 7, 1943, Serial No. 482,108
 9 Claims. (Cl. 74-236)



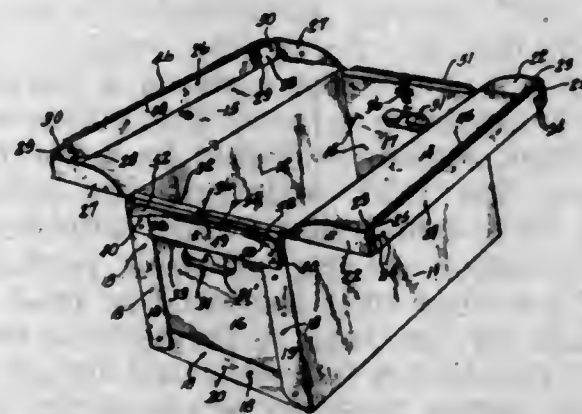
1. The combination with a belt band and a plurality of transversely arranged stiffener blocks associated with opposite surfaces of said band in mating pairs, of friction units for the lateral ends of said blocks, each of such units comprising a rigid backing piece directly contacting the corresponding ends of a pair of blocks and bridging the space therebetween, and a pad of friction material engaging said backing piece and secured in place relative to the said ends of said block pair, each of said block ends being provided with a lateral projection, and each of said unit backing pieces being formed with an opening receiving such projection and snugly engaging the same in the direction of belt movement.

2,387,184

COVER CONSTRUCTION FOR CONTAINERS

John R. Richards and Charles W. Evert, Milwaukee, Wis., assignors to Downing Box Company, Milwaukee, Wis., a corporation of Wisconsin
 Application July 20, 1944, Serial No. 545,792

14 Claims. (Cl. 229-44)



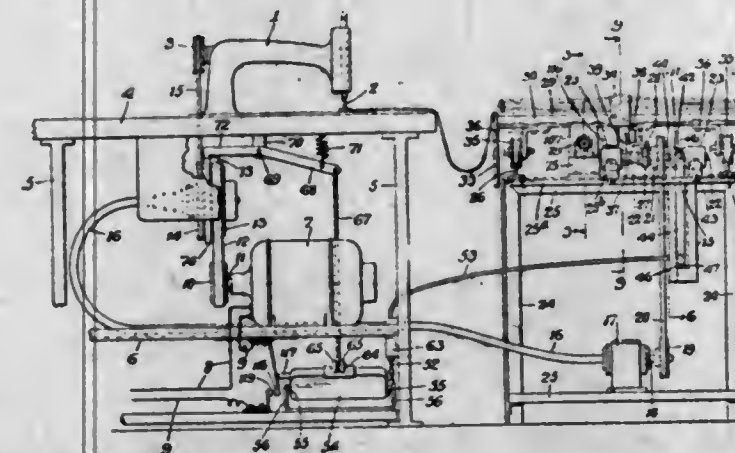
1. In a container having side and end walls, said end walls having downwardly extending upper edge slots, complementary cover members hinged to said side walls and foldable toward one another over the container, a flange on the

free edge of each cover member, said flanges being received in the upper edge slots of the end walls when the cover members are closed, and a short inwardly yielding extension projecting from the edge of at least one of said flanges, said extension being normally disposed at an angle with respect to the flange proper, with the free edge of the extension below the lower edge of the flange proper to aid in guiding the flange to which it is attached into closing position after the other cover member has been closed.

2,387,185

MACHINE DRIVE AND CONTROL

Ernest M. Runquist and Lothar A. Ederer, Chicago, Ill., assignors to R. J. Ederer Company, Chicago, Ill., a corporation of Illinois
 Application January 24, 1942, Serial No. 428,038
 5 Claims. (Cl. 112-2)

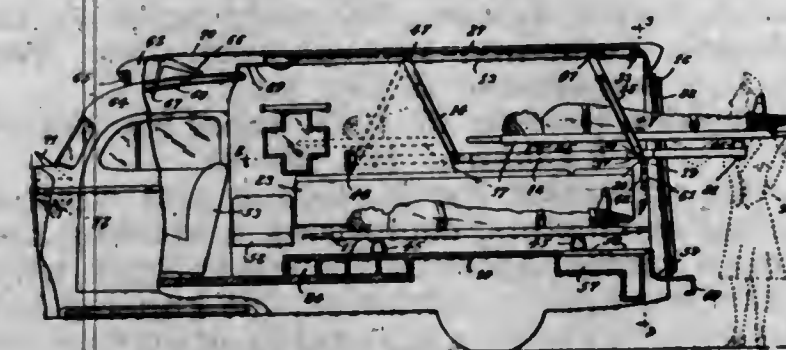


1. In combination, a sewing machine and a work-carrier positioned adjacent thereto, a single electric motor for driving the machine and the carrier, a switch for controlling the motor, a driving transmission from the motor to the sewing machine, and a separate driving transmission from the motor to the carrier, a clutch in said carrier driving transmission, a single foot-controlled pedal means, a connection from said pedal to said machine-driving transmission, and a separate connection from said pedal to said clutch, means on said pedal adapted to operate said switch, a single movement of the pedal being effective to operate said switch, to move said motor-driving transmission into operative position and to move said clutch into operative position.

2,387,186

AMBULANCE

Earl L. Schofield, Freeport, Ill., assignor to Henney Motor Company, Freeport, Ill., a corporation of Delaware
 Application January 16, 1942, Serial No. 426,985
 22 Claims. (Cl. 296-19)



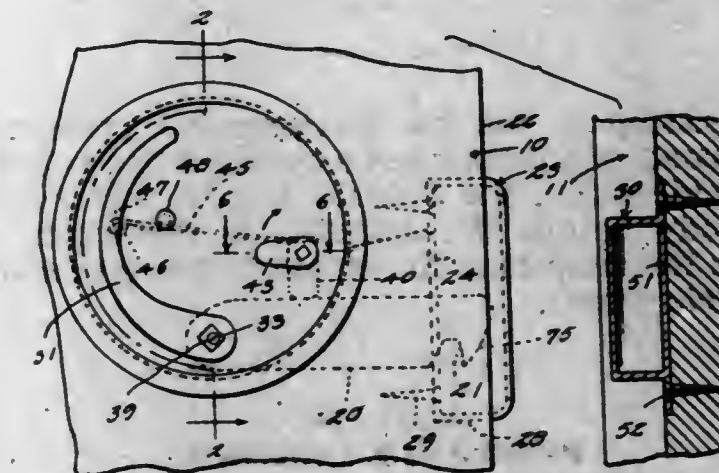
21. In a vehicle of the rear delivery type, a body having an adjustable carrier rack comprising an elongated frame disposed longitudinally with respect to the body upon which a load may be placed, pendulum type suspension arms dis-

posed in substantially parallel relation to one another in longitudinally spaced relation to the body and frame having their upper ends pivoted in the rearward approximately half portion of the body and having their lower ends pivoted to the forward approximately half portion of the frame, whereby the rearward portion of said carrier extends out of the rear end of the body to facilitate loading and unloading in the rearward operative position of said carrier, said carrier being movable from said rearward operative position to a forward operative position inside the body of said vehicle for transportation, and means for releasably securing said carrier in either of said operative positions.

2,387,187

DOOR LATCH AND LOCK

Harry T. Smith, Flint, Mich.
 Application October 14, 1942, Serial No. 462,007
 2 Claims. (Cl. 70-97)



1. A door latch and lock comprising a pair of outwardly opening annular cup-shaped housings adapted to be countersunk in opposite sides of a door with the inner walls of said housing spaced apart, an elongated door bolt disposed between said housings and extending horizontally therefrom, a pair of longitudinally arcuate operators disposed one in each housing, a reduced diameter stud carried by each operator journaled in an inner wall, a polygonal shaft fixed to each of said operators and also fixed to said bolt whereby rocking of a selected operator will rock said bolt upwardly to released position, a locking lug for said bolt, means pivotally supporting said lug from one of said housings above said bolt, an operator for said lug secured to said pivot means and disposed in the open side of said one housing, said lug having a pair of adjacent flat faces, and an elongated flat spring carried by said one housing engageable with one of said flat faces for holding said lug in either released or locked position.

2,387,188

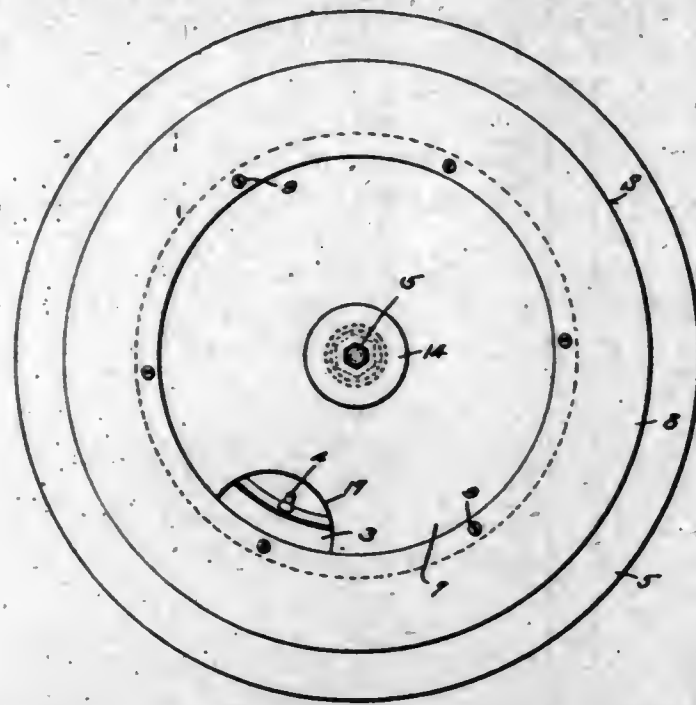
AUTOMOBILE TIRE SHIELD

Harry Spingler, Brooklyn, N. Y., assignor of twenty-five per cent to Richard Harry Spingler, Brooklyn, N. Y.
 Application August 7, 1944, Serial No. 548,329

2 Claims. (Cl. 280-160)

1. A shield for the side wall of a vehicle tire, comprising a disk-like body, an annulus which becomes ground-engaging in the event of an unforeseen deflation of the tire wherewith the shield is used, the annulus being of greater diameter than the body, and means for securing the annulus to the body detachably; the annulus being

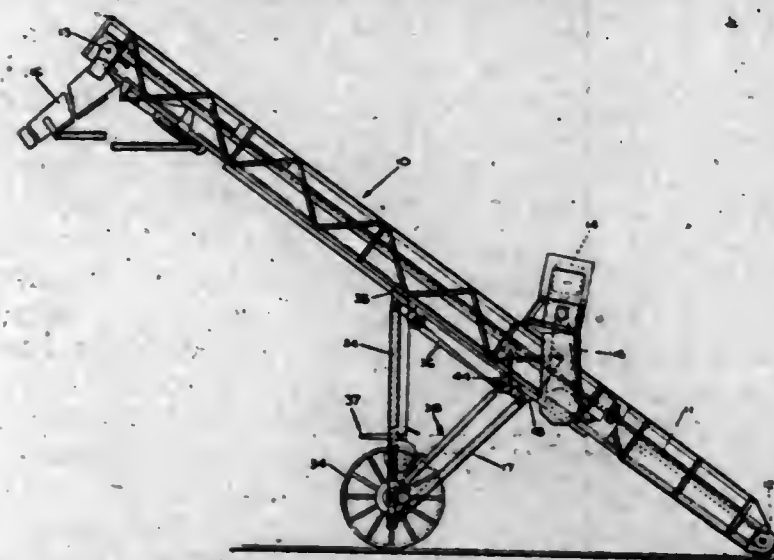
made of resilient material, whereby the annulus will yield laterally and engage the side wall of a tire, responsive to a horizontal thrust, the constituent material of the body being weaker than the constituent material of the annulus, so far



as resisting a vertical compressive pressure is concerned, whereby when a shielded tire is deflated accidentally, the vehicle weight will rupture the body before the annulus is distorted, and means for mounting the shield in place alongside a vehicle wheel.

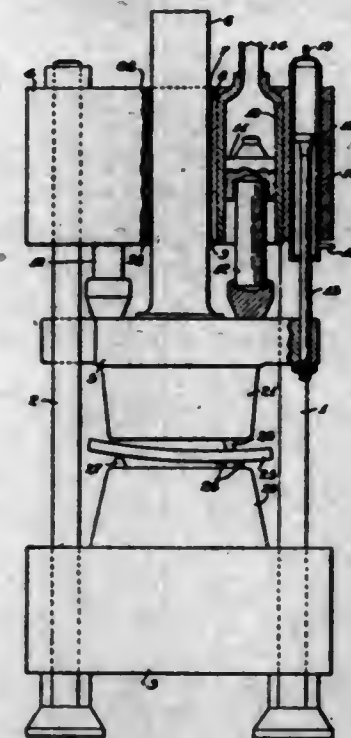
2,387,189 PORTABLE LOADER

Walter C. Steinmetz, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application April 29, 1944, Serial No. 533,344
9 Claims. (Cl. 198-233)



1. In a portable loader, the combination with a boom, of conveying means on said boom, mechanism for adjusting the elevation of the discharge end of the boom while the receiving end thereof is at a fixed elevation, said mechanism including a horizontal axle, wheels mounted on said axle for rotation on a horizontal axis offset relative to the axis of said axle, strut means pivotally connected to said axle and boom, mast means also pivotally connected to said axle and boom, means providing the pivotal connections between said axle and said mast and strut along a common horizontal axis which is substantially in a vertical plane passing through the axis of said wheels and below said wheel axis, and means to adjust the angular relation of said mast and strut to adjust said boom as aforesaid.

2,387,190
HYDRAULIC PRESS
Morris D. Stone and Frank J. Gleve, Pittsburgh, Pa., assignors to United Engineering and Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 3, 1943, Serial No. 481,764
5 Claims. (Cl. 100-71)

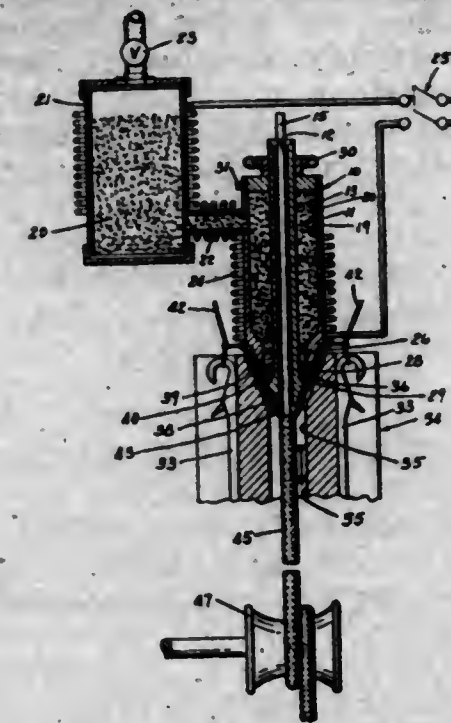


1. An hydraulic press, comprising spaced pairs of columns, an entablature engaging and supported by the upper ends of the columns and provided centrally with a vertical guide-stock opening, and a vertically reciprocable crosshead positioned between the columns and incapable of applying lateral pressure directly to them when it is eccentrically loaded, the crosshead having a guide stock rigidly connected to it extending upwardly through said entablature opening for vertical reciprocatory movements therein, said guide stock and the wall of said opening being so formed at vertically-spaced opposite side portions thereof that when the crosshead is eccentrically loaded the eccentric load couple so formed is taken substantially wholly by laterally directed forces which form an internal couple within the entablature, whereby a load so applied to the crosshead is balanced substantially wholly by normal tension forces in the columns which as a result thereof are substantially free from such bending moments and lateral forces as would cause lateral sway of the press.

2,387,191
APPARATUS FOR INSULATING ELECTRICAL CONDUCTORS
Clyde N. Stover, Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 19, 1943, Serial No. 506,855
7 Claims. (Cl. 66-9)

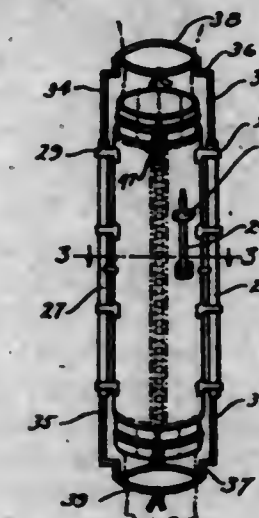
1. An apparatus for insulating and weather-proofing conductors, comprising a knitting head having a conical aperture therein through which a conductor may be advanced, the knitting head being designed to knit a plurality of strands into a cone-shaped textile basket about a conductor within the conical aperture and to draw the textile basket down into a tight, compact covering on the conductor, and an extruding means including a cylindrical core having a passage therein through which the conductor is advanced to the knitting head, and an outer cylinder enclos-

ing the core and forming therewith an extruding passage through which an insulating and weath-



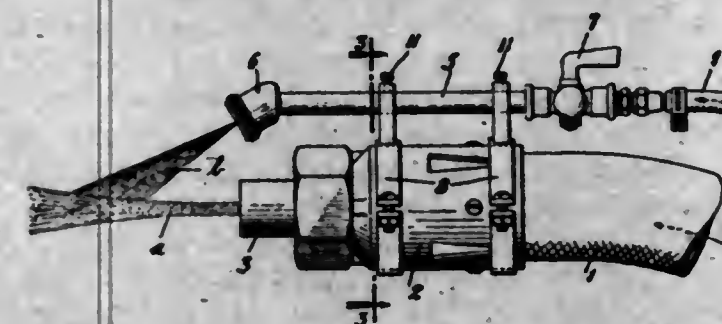
erproofing material may be extruded upon the cone-shaped basket as it is formed about the conductor.

2,387,192
FRACTURE APPARATUS
Lloyd A. Straits, Washington, D. C.
Application May 25, 1944, Serial No. 537,257
11 Claims. (Cl. 128-84)



1. Fracture apparatus for legs, arms or similar members, comprising a splint structure, extension applying means carried by said splint structure, means for securing the splint structure and extension applying means to the fractured member and means for simultaneously forcing the splint against the fractured member and applying tension thereto.

2,387,193
METHOD OF AND APPARATUS FOR SANDBLASTING OF SHIPS' HULLS
Waitstill H. Swenarton, Montclair, N. J.
Application July 3, 1944, Serial No. 543,364
11 Claims. (Cl. 51-282)



1. The method of removing coatings from metal surfaces by sand-blasting, which comprises projecting a high pressure blast of air and sand

through a blast nozzle and directing it against the objective metal surface while causing a very fine mist-like spray of aqueous liquid under pressure and flowing at a rate in excess of four gallons per hour but insufficient to create ripples flowing over such surface to intersect such blast beyond said nozzle and prior to its impact with such surface.

2,387,194
SKI POLE CONSTRUCTION
Raymond C. Taft, Wallingford, Vt., assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Application January 12, 1943, Serial No. 472,146
1 Claim. (Cl. 280-11.37)

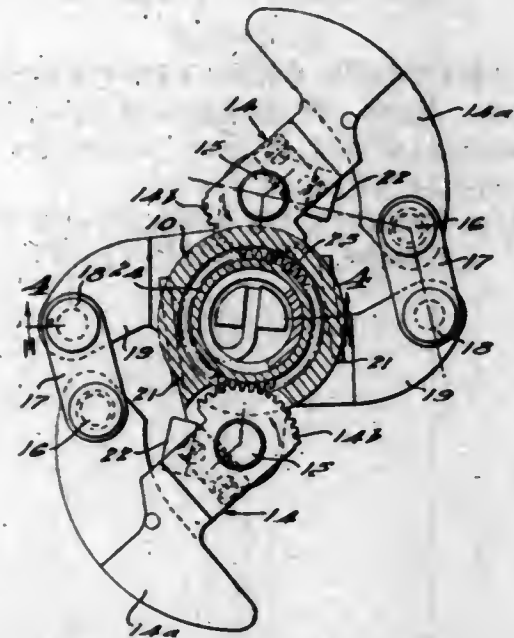


A ski ring comprising in combination a light weight substantially flat ring member consisting of a plurality of convolutions of a relatively thin strip of wood or light flexible or like induratable material of substantially equal width with the contacting faces of adjacent convolutions adhesively secured together, the ring so formed being of rectangular flattened cross sectional shape, a plurality of substantially flat cross members of substantially flexible material, said cross members being of a lesser length than the inner diameter of the ring member, a plurality of substantially flat clip members, each said clip member composed of an initially flat strip of bendable sheet metal medially so bent as to form a loop, the inner surface of the yoke thereof being adapted to fit the peripheral surface of the ring and the side arms thereof adjacent said yoke adapted to tightly embrace the upper and lower planar surfaces of the ring, and the ends of said arms being perforated for the reception of rivets or the like projected through an end of one of said cross members with said cross member end interposed between the clip ends, both arms of each said clip member in place to interconnect a cross member with said ring being distorted by a crimping operation to sharply deflect the portion of each said arm disposed between said ring and the adjacent cross member end inwardly to substantially contactingly embrace the intra-peripheral surface of the ring portions of said inwardly bent arms and sufficiently distorted outwardly therefrom as to indenture said clip end portions and in turn the cross members held therebetween, the deformation and indenturing of said clip arms so shortening the length of said arms as to cause said thereby shortened clip arms operating through said rivet to draw said cross members taut, said cross members extending diametrically in centrally superposed relation across the ring and the indenturing of said clip arms preventing sliding displacement of said clip members on said ring.

2,387,195 COUPLING

John Tjaarda, Detroit, and Klaas Knibbe, Grosse Pointe Park, Mich., assignors to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application April 30, 1941, Serial No. 391,030
7 Claims. (Cl. 64-25)

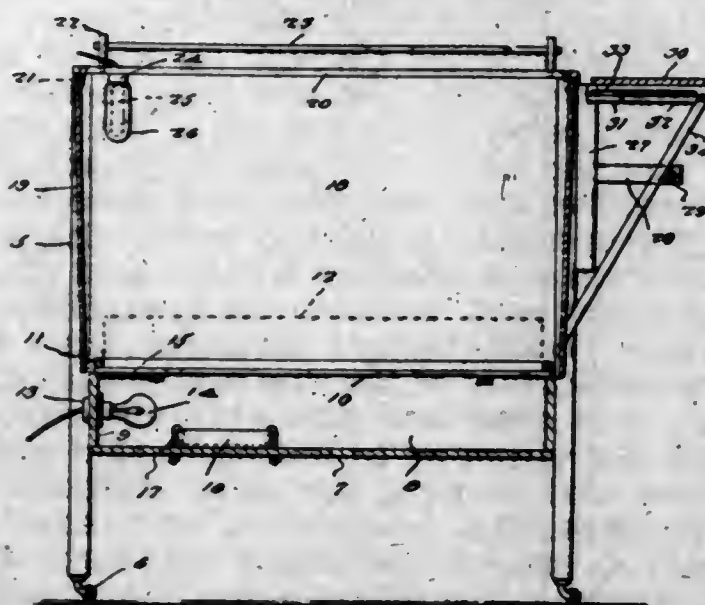


7. A coupling adapted to be operatively interposed between a driven shaft and a driving shaft arranged substantially along a common axis for transmission of mechanical energy, said coupling comprising a member pivoted at its inner end to one shaft at a fixed point and having a weight at its outer end, a link pivoted at one end to the other shaft at a fixed point and pivotally connected at its opposite end to said weight, said weight adapted when affected by the centrifugal force of rotation to change the distance between the connected portions of said shafts in opposition to the driving force tending to move said coupling into position to positively connect said shafts, and a spring arranged coaxially with said shafts and having one part thereof operatively connected to one of the shafts and another part thereof operatively connected to said member, said spring exerting a force tending to move said member in the direction opposite to that in which it is moved by said weight.

2,387,196

BED FOR INFANTS

Wilbur T. Townsend, Washington, D. C.
Application January 25, 1944, Serial No. 519,625
4 Claims. (Cl. 5-93)



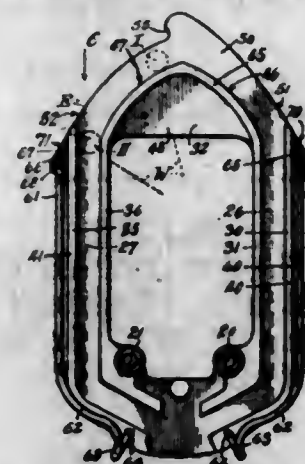
4. In an infant's bed of the class described, an open top box-like compartment, air heating means in said compartment, heated air humidifying means in said compartment, means for sup-

porting the compartment in an elevated position, a bed supported on the walls of the compartment with spaces to permit circulation of air therearound, and an enclosure supported on the upper portion of said supporting means and rising above the bed and including imperforate walls having their lower edges spaced outwardly from the walls of the compartment for admitting and mixing fresh air with the heated air from the heating means in the compartment for circulation and ventilation purposes up and around the perimeter portions of the bed.

2,387,197

END PLATE FOR MULTISTACK BOBBIN MAGAZINES

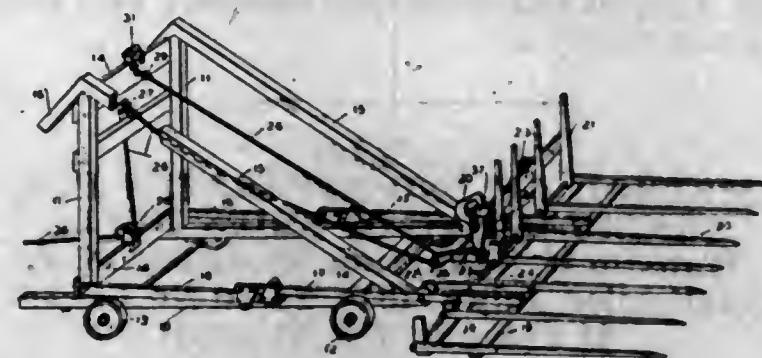
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application May 20, 1944, Serial No. 536,545
9 Claims. (Cl. 139-247)



1. In a weft replenishing magazine having front and back horizontally spaced substantially vertical stacks of reserve bobbins, an end plate for the tips of the bobbins having vertical tip guideways, a vertical wall extending across the top of the end plate and joining the guideways and having front and back thread guiding surfaces along the top thereof extending from the outside of one guideway across to the outside of the other guideway, and a thread guide associated with each guideway and extending downwardly from the corresponding thread guiding surface.

2,387,198

HAYSTACKER AND AUTOMATIC RELEASE
James Edgar Twidwell, La Grande, Oreg.
Application October 27, 1944, Serial No. 560,636
4 Claims. (Cl. 214-139)

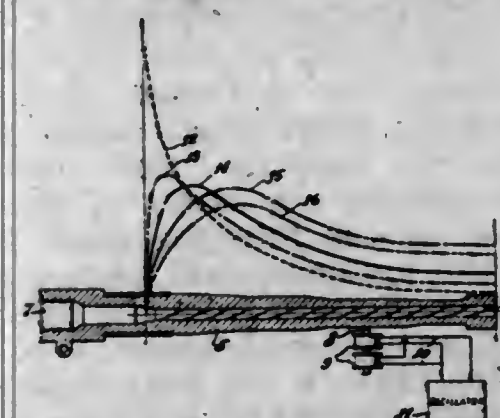


1. In a haystacker of the character described, a frame, a pair of inclined tracks on said frame leading from the bottom to the top, a second pair of tracks leading downwardly and rearwardly from the upper ends of said first mentioned tracks, a sweep rake, a hinged back wall for said rake, a locking latch mounted on said rake to hold said back wall normally in fixed position with respect to said rake, said latch having an L-shaped slot, a notch in said L-shaped slot, a cooperating engaging element on said wall extending into said slot and adapted to be engaged by said notch.

by said notch, a pair of self-adjusting arms attached to said rake, said arms hinged to said frame for movement in substantially vertical planes, a guide wheel on each of said arms, said wheels mounted on said first mentioned tracks respectively, engaging wheels mounted on said back wall for engaging the upper ends of said first mentioned tracks when said rake nears the end of its upward travel, means for moving said rake upwardly along said first mentioned tracks, latch disengaging means located at the top of said frame adapted to lift said locking latch when the bottom edge of said latch rides over said disengaging means, whereby when said rake is near the upper ends of said tracks said engaging wheels on said back wall will be brought into engagement with said first mentioned tracks and lift said back wall while said latch disengaging means lifts said latch, and causes said cooperating element to be disengaged from said notch, and whereupon further upward movement of said rake will cause said back wall to drop to discharging position when said back wall wheels pass on to said second pair of tracks.

2,387,199 GUN

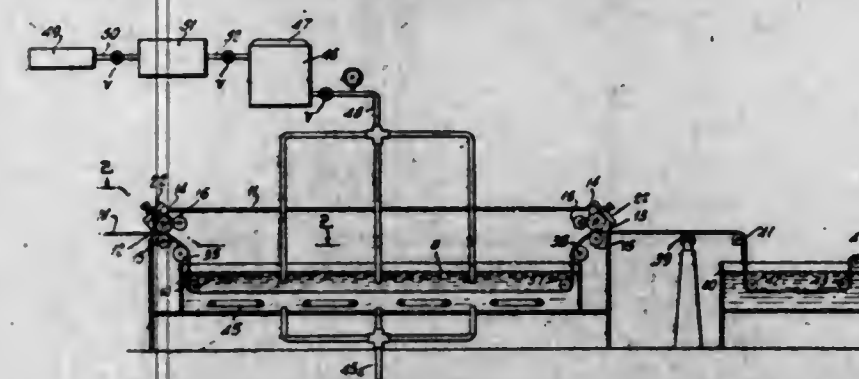
Alfred Vang, Newark, N. J., assignor of one-half to Stevens, Jordan & Harrison, Inc., New York, N. Y., a corporation of New York
Application September 23, 1942, Serial No. 459,386
2 Claims. (Cl. 89-1)



1. A method of reducing friction and labor of formation between a projectile having metal bands engaging the rifled gun barrel of a gun when said gun is fired to shoot said projectile, said method comprising vibrating said gun barrel during the firing period to produce vibration in said projectile to induce in the bands vibrations as near as possible to the natural frequency of vibration of said bands to increase the ability of the metal of said bands to flow under pressure.

2,387,200

METHOD OF DYEING WOOLEN AND OTHER NITROGENOUS TEXTILE MATERIALS
Harold J. Walter, Uxbridge, Mass., assignor to Uxbridge Worsted Co., Inc., Uxbridge, Mass., a corporation of Massachusetts
Application December 30, 1943, Serial No. 516,193
11 Claims. (Cl. 8-54)



1. The method of dyeing material comprising nitrogenous textile material which comprises run-

ning a length of material in open width through an aqueous bath in the presence of a selected dye, said bath being heated substantially above 212° F., under pressure, the dye being substantially completely fixed on the material during the period of contact of the material with the said bath, and no further ageing being necessary.

2,387,201

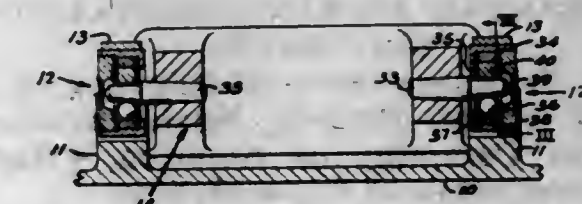
MONO-ACYL ETHYLENE DIAMINES

Nathan Weiner, West Forest Hills, N. Y., assignor to Bonneville, Limited, New York, N. Y., a corporation of Delaware
No Drawing. Application January 12, 1942, Serial No. 426,487
8 Claims. (Cl. 260-404.5)

1. The process of producing mono-acyl derivatives of ethylene diamine in which the acyl group contains from 12 to 14 carbon atoms, which comprises heating an excess of ethylene diamine with an ester of a fatty acid containing from 12 to 14 carbon atoms, treating the reaction mixture with a water-immiscible solvent for the mono-acyl ethylene diamine, separating the water-immiscible solvent containing mono-acyl ethylene diamine dissolved therein from the reaction mixture, and evaporating the solvent to recover the mono-acyl ethylene diamine.

2,387,202 BEARING

Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application November 7, 1942, Serial No. 464,849
9 Claims. (Cl. 308-2)



1. An antifriction bearing for mounting trunnions of an oscillating member having an angle of oscillation of substantially less than 360° comprising an outer race concentric with respect to the trunnions, two supporting balls located therein and stops attached to said race including a stop between said balls for defining the limits of movement of each of said balls.

2,387,203

METHOD OF MAKING BERYLLIUM FLUORIDE

Charles B. Willmore, New Kensington, and Frank D. Chew, Haffey, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application April 24, 1943, Serial No. 484,476
3 Claims. (Cl. 23-88)

1. The method of recovering beryllium values in the form of beryllium fluoride from siliceous beryllium ores which comprises treating the ore to eliminate silica therefrom and reacting the treated ore with magnesium fluoride at temperatures over about 1000° C. and condensing the resultant vapor.

2,387,204 METHOD OF MAKING BERYLLIUM FLUORIDE

Charles B. Willmore, New Kensington, Pa., and Frank D. Chew, Detroit, Mich., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application April 24, 1943, Serial No. 484,476. Divided and this application February 20, 1945, Serial No. 578,940
2 Claims. (Cl. 23—88)

1. The method of recovering beryllium values in the form of beryllium fluoride from siliceous beryllium ores which comprises forming a mixture containing ore, magnesium fluoride and a substance capable of reaction with the silica of the ore to eliminate said silica, heating the mixture at temperatures of over about 1000° C. and condensing the resultant vapor.

2,387,205 METHOD OF MAKING BERYLLIUM FLUORIDE

Charles B. Willmore, New Kensington, and Frank D. Chew, Haffey, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application April 24, 1943, Serial No. 484,477
17 Claims. (Cl. 23—88)

1. The method of recovering beryllium values in the form of beryllium fluoride from siliceous beryllium ores which comprises treating the ore to eliminate silica therefrom, mixing the treated ore with aluminum fluoride, heating said mixture at a temperature above 700° C., and condensing the resultant vapor.

2,387,206 METHOD OF MAKING BERYLLIUM FLUORIDE

Charles B. Willmore, New Kensington, Pa., and Frank D. Chew, Detroit, Mich., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application April 24, 1943, Serial No. 484,477. Divided and this application February 20, 1945, Serial No. 578,941
1 Claim. (Cl. 23—88)

The method of making beryllium fluoride which comprises mixing a double fluoride of aluminum and alkali metal with siliceous beryllium ore, heating the mixture at a temperature of at least 900° C., and condensing the resultant vapor.

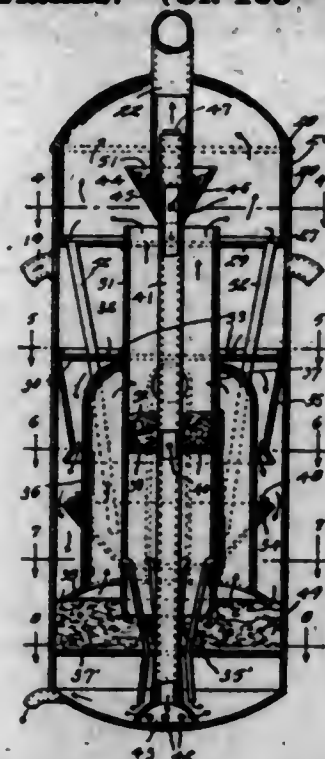
2,387,207 METHOD OF MAKING BERYLLIUM FLUORIDE

Charles B. Willmore, New Kensington, Pa., and Frank D. Chew, Detroit, Mich., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application April 24, 1943, Serial No. 484,477. Divided and this application February 20, 1945, Serial No. 578,942
1 Claim. (Cl. 23—88)

The method of recovering beryllium values in the form of beryllium fluoride from siliceous beryllium ores which comprises forming a mixture containing ore, aluminum fluoride and a substance capable of reaction with the silica of the ore to eliminate the silica and heating the mixture at temperatures of over about 700° C., and condensing the resultant vapor.

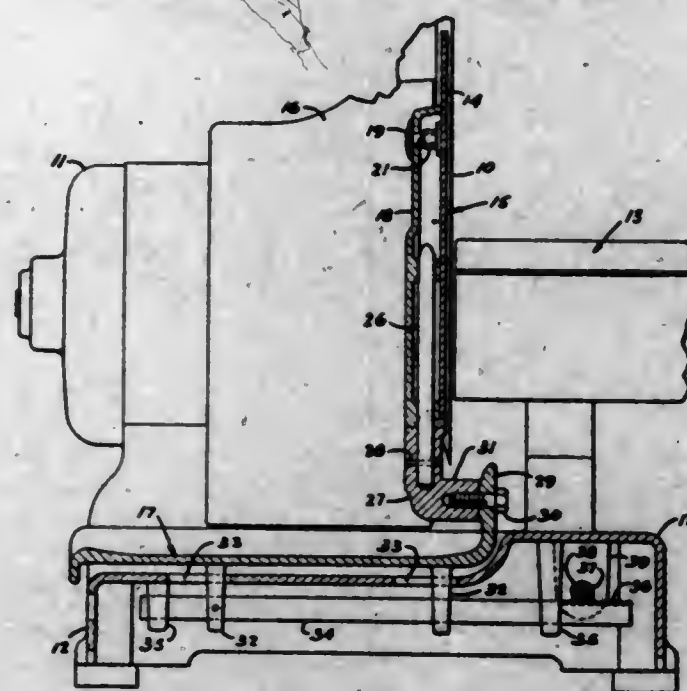
2,387,208 OIL SAVING SEPARATOR FOR COOLING SYSTEMS

Arthur G. Wood, Geronimo, Okla.
Application May 20, 1943, Serial No. 487,774
6 Claims. (Cl. 183—75)



1. A separator of the class described comprising a casing, partitions therein, a cylinder within the casing and coacting with the partitions to provide a receiving chamber, a partition in said cylinder, a collector on said cylinder below the first-mentioned partitions to receive the mixture through the lowermost of said first-mentioned partitions, means for drainage of condensate from the collector, hood means about the cylinder to receive the mixture below the collector, ports in the cylinder for entry of the mixture from the hood means into the same above the partition of the cylinder, said casing providing means to receive mixture from the cylinder, said casing having an upper chamber, a collector in said upper chamber, a discharge pipe leading from the second-mentioned collector for drainage of oil therefrom, and a pipe to discharge air communicating with the second-mentioned collector.

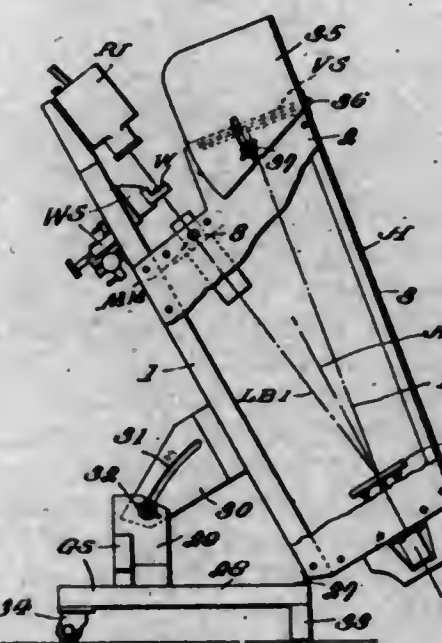
2,387,209
FOOD HANDLING APPARATUS
George R. Wood, Montreal, Quebec, Canada, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application April 12, 1943, Serial No. 482,764
5 Claims. (Cl. 146—102)



1. In a slicing machine having a rotary circular knife, in combination, a thickness gauge plate

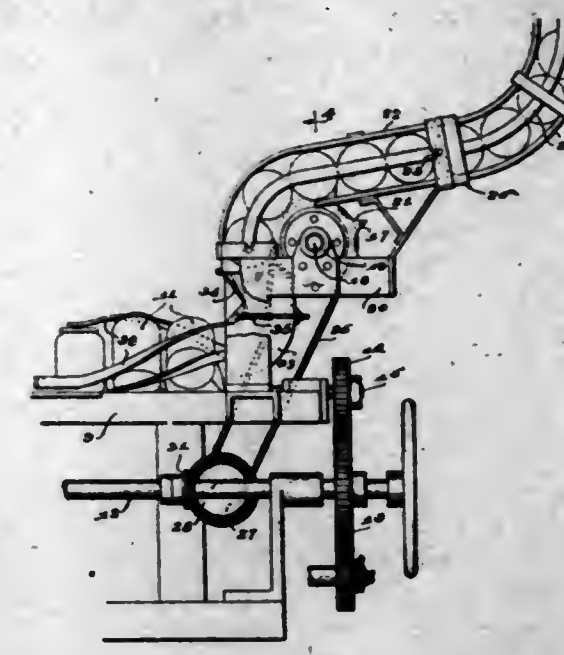
having a face substantially parallel to the plane of the cutting edge of said knife, a slice receiver lying behind and below said gauge plate, means for mounting said gauge plate on said slice receiver and mechanism for moving said slice receiver in a direction transverse to the plane of the cutting edge of said knife.

2,387,210
COMPARATOR
Kenneth E. Wood and Carl W. Ahmer, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application June 8, 1942, Serial No. 446,226
2 Claims. (Cl. 88—24)



1. An optical comparator having a housing, a viewing screen fixed across an opening of the housing, a lamp fixed on the housing, a work holder and a mount on the housing therefor, a projecting lens fixedly mounted on the housing for projecting thereinto a light beam from the lamp, a mirror in the housing for reflecting the light beam toward the screen, a work mount including means for adjusting the work piece until a selected part thereof is at the axial light ray through the projecting lens, together with a mirror-supporting assembly arranged on the housing opposite the opening and including a member adjustable for determining the scale of enlargement produced by the comparator by bodily movement toward and from the lens and screen along a line lying within the angle formed at the mirror by the incident axial light ray from the projecting lens and the corresponding reflected axial ray, said member having a universal joint connected to the mirror and devices for moving the mirror about axes of said universal joint at angles to the directions of said axial rays and effective for maintaining the mirror in an angular position in which the angle between the incident and reflected axial light rays is bisected by the line of said bodily movement of the said member, a chart at the screen having lines indicating the position and size of the image of a standard piece of work, and means for shifting the chart laterally and angularly until the reflected axial ray falls upon the part of the chart corresponding to said selected part of the standard work piece and the said chart lines coincide with corresponding parts of the image of a standard piece of work, whereby the bodily movement of the adjusted mirror is effective to correlate the size of the said standard image with the chart lines.

2,387,211
JAR FEEDING MECHANISM
Herbert A. Barnby and John Hohl, Toledo, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application March 24, 1943, Serial No. 480,276
6 Claims. (Cl. 198—22)



1. In apparatus for delivering cylindrical containers to a filling machine or the like, an inclined guideway down which the containers roll in succession under the influence of gravity, a metering wheel mounted for rotation about a horizontal axis and having a segment of its periphery projecting into the guideway near the lower end of the latter, the periphery of the wheel being formed with an annular series of pockets to accommodate the containers and regulably control movement of the latter along the guideway, said wheel forming a part of the lower side of the guideway a spring-pressed detent yieldingly supporting the containers one at a time as they move beyond the point of influence of the metering wheel, and means for uprighting the containers while moving from a point in proximity to the detent to the filling machine.

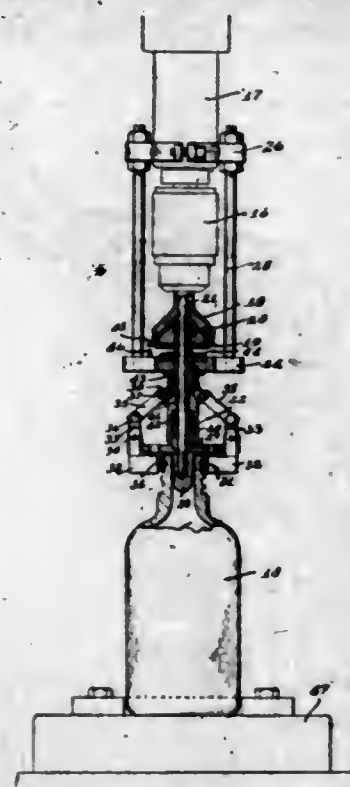
2,387,212
PREPARATION OF 2-AMINO-THIAZOLE
Edgar C. Britton and Kenneth G. Harding, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 23, 1943, Serial No. 507,476
3 Claims. (Cl. 260—302)

1. In a method of making 2-amino-thiazole, the step of reacting a bis-(alpha-beta-dihaloethyl) ether with thiourea in the presence of water.

2,387,213
POUR-OUT FINISHES FOR CONTAINERS
Clarence Chew and Robert H. Levis, II, Alton, Ill., assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application February 1, 1943, Serial No. 474,286
2 Claims. (Cl. 91—37)

1. An applicator for applying a coating material to an exterior surface portion of a round container, said applicator including a spindle rotatable about its axis, a centering pin carried thereby for entering the neck of the container and holding the latter centered, a tubular member concentrically mounted for rotation with said spindle, said member and spindle being relatively

movable lengthwise of said axis, a yoke fixed to the spindle, an arm pivoted to the yoke, an absorbent pad carried by said arm in position to bear against said exterior surface of the container, a link connecting said pivoted arm and

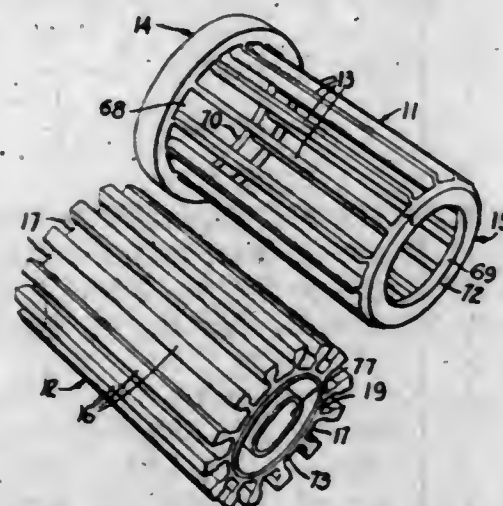


said member and forming with said arm a toggle connection between the yoke and said member and operable by said relative movement of said member and spindle to move the pad into and out of contact with the surface to be coated.

2,387,214

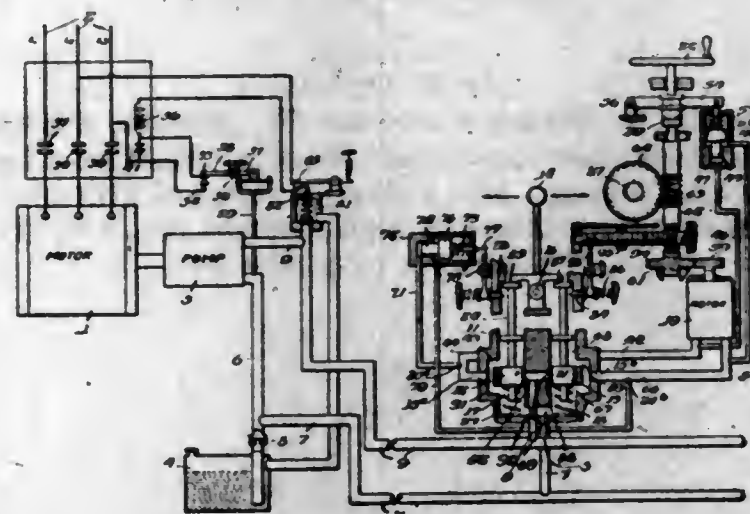
METHOD OF MACHINING PARTS

Lorin A. Corey, Cleveland Heights, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application August 1, 1940, Serial No. 349,219
5 Claims. (Cl. 29-148)



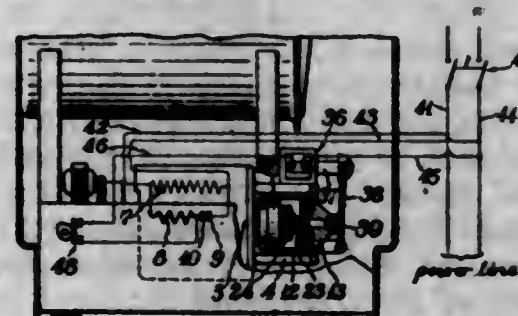
1. The method of machining in the same operation a member of generally circular cross section provided with a plurality of longitudinally extending spaced bars forming slots and a second member of generally circular cross section provided with a plurality of bars adapted to project into the slots of said first member so that both members in combination are generally circular in cross section, said slots being wider than the projecting portion of said bars so that said bars are positioned therein in spaced relationship with respect to the bars forming said slots, said method comprising fitting said members one within the other, cushioning the bars of one of the members to prevent contact between them and the bars of the other member forming the slots during the machining operation and bringing the outer surface of said members into operating engagement with a cutting element.

2,387,215
VALVE-OPERATING SYSTEM
Donald G. Fawkes, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application February 5, 1943, Serial No. 474,897
6 Claims. (Cl. 74-407)



1. A valve operating fluid system or the like comprising, in combination, a fluid motor, a fluid supply line therefor, combined manual means and an electrically operated hydraulic means; the said manual means comprising a handwheel, a clutch; a declutching cylinder, the said handwheel being declutched when the said declutching cylinder reaches the limit of its travel in one direction, the said electrically operated hydraulic means comprising a source of E. M. F., an electric motor, a fluid pump, a fluid reservoir in communication with the said pump, a control valve connected to the pressure side of the said pump, a pressure switch cooperating with the said control valve to actuate the said pump, a relief valve connected to the pressure side of said pump and to the fluid reservoir, solenoid actuated means cooperating with the said relief valve, switch means operable by the actuation of the said relief valve whereby when the pressure in the system reaches a predetermined maximum the relief valve will jointly open and permit fluid in the system to return to the reservoir and provide for disengagement of the source of E. M. F. from the said electric motor, the said solenoid actuated means interrupting the E. M. F. circuit through the relief valve upon actuation of the latter at a predetermined pressure within the said fluid supply line of the system.

2,387,216
VARIABLE-SPEED GEARING FOR WASHING MACHINES
E. Elliott Hood, Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application March 26, 1941, Serial No. 385,283
1 Claim. (Cl. 210-71)

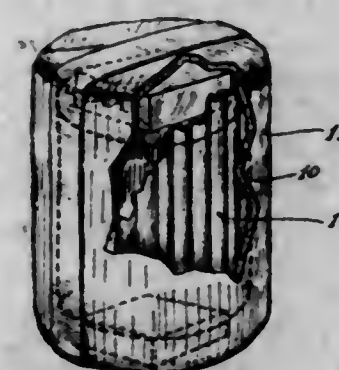


In a washing machine, a drum, a motor having a starting winding and a running winding, transmission means actuated by the motor for

rotating the drum comprising a driven shaft connected to the drum, a drive shaft connected to the motor, gearing interposed between the shafts, said gearing including a low speed gear train and a high speed gear train, an overrunning clutch in the low speed train, a normally open clutch associated with the high speed train, a longitudinally movable gear in the high speed train, said high speed clutch including a barrel fixed to said longitudinally movable gear, segmented driving shoes in the barrel, means cooperating with said shoes to expand the shoes into gripping engagement with the barrel upon longitudinal movement of the movable gear and barrel, said shoes being constructed as segments of a cylinder having a slightly larger diameter than the interior diameter of the barrel, so that when the shoes are expanded into engagement with the barrel, they first engage the barrel near the ends so as to positively grip the barrel without substantial slippage, an electrical circuit including power leads, said starting and running windings being connected in parallel across said power leads, normally closed contacts in said connection from said starting winding to the power leads, to provide a circuit for operating the motor at a predetermined low speed, means operated by the motor for opening said contacts when the motor rotates above said predetermined speed, a second circuit from said power leads including said starting windings, an electromagnet, and a normally open control switch, in series, and means adapted to close and open said control switch to energize and deenergize said electromagnet for moving said high speed gear and barrel to engage said high speed clutch, said operating means for said control switch being adapted to close said second circuit to energize said electromagnet when said contacts are open.

2,387,217
WRAPPER

Everette C. Scott, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application January 22, 1943, Serial No. 473,159
3 Claims. (Cl. 229-87)

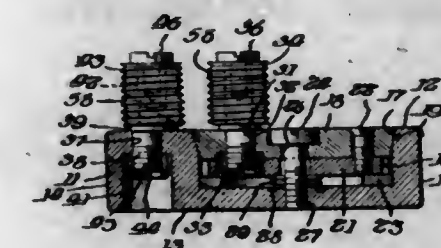


1. A unitary and flexible heat insulating wrapper for a product comprising a flexible non-heat conductive layer, an outer flexible covering for said layer, an inner flexible layer having means for forming a plurality of closely adjoining gas flow passages to direct a circulating gas against substantially the entire periphery of the wrapped product, said covering and said inner layer being fixedly adhered to said non-heat conductive layer, whereby the wrapper may be applied around a product with said inner layer adjacent the product and with said outer layer enclosing the product and the other layers to form a heat insulated

package for the product wherein a substantially uniform temperature may be maintained around the product by reason of the gas circulating through said flow passages.

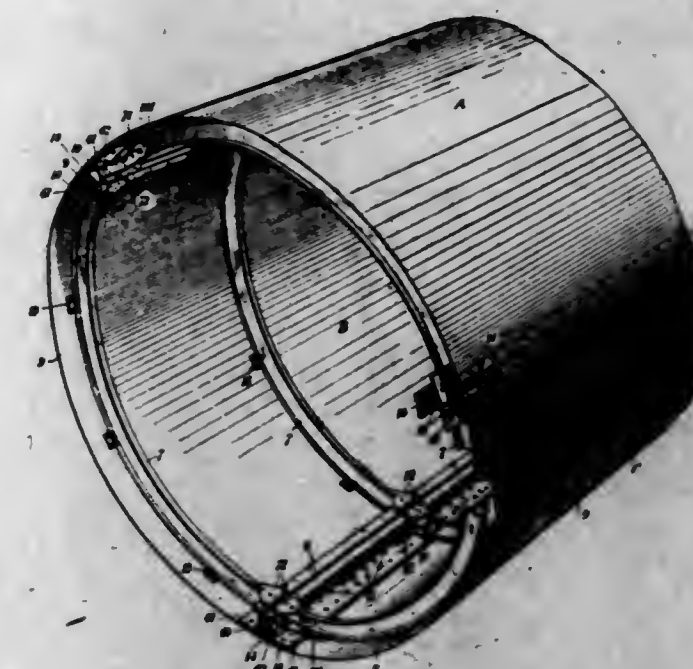
2,387,218
GAUGE

Waldemar H. Troedson, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application November 5, 1943, Serial No. 509,110
3 Claims. (Cl. 33-199)



3. A gauge comprising a base, a primary work-engaging member mounted on the base, a turntable journaled on the base, screw means for retaining the said turntable and base adjustably in engagement, an opposing work-engaging member mounted on the turntable and disposed radially from the axis thereof, and means for rotating the turntable for moving the opposing work-engaging member to a predetermined adjustment position, the said base and turntable having tapered seating surfaces for slidable engagement therebetween, and spring means interposed between the turntable and the base for yieldably resisting an inward or seating movement of the turntable.

2,387,219
AIRCRAFT STRUCTURE
Barnes Neville Wallis, Weybridge, England, assignor to Vickers-Armstrongs Limited, Westminster, London, England
Application June 17, 1942, Serial No. 447,406
In Great Britain August 8, 1941
6 Claims. (Cl. 244-117)

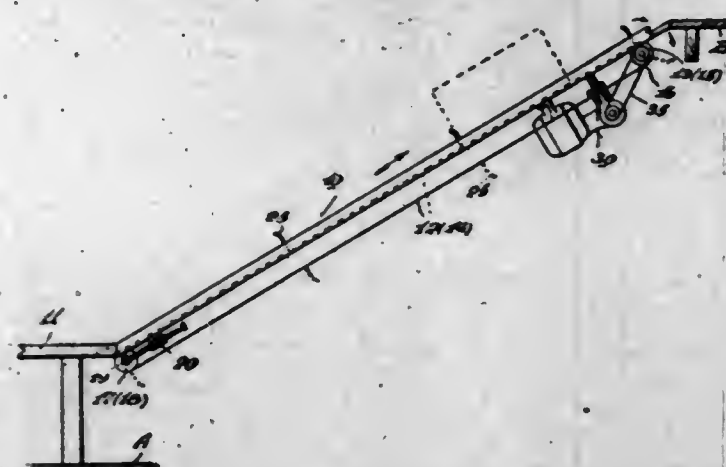


1. The method of making and assembling stressed skin structures for aircraft or the like, which comprises warping a sheet of skin plating to an appropriate curvature, anchoring the sheet at its opposite edges respectively to two longitudinal elements of the skeletal portion of said structure, applying transverse skeletal elements at spaced intervals against the inner surface of

the skin with their ends abutting said longitudinal elements at intervals therealong while maintaining said skin in contact with but free from connection with said elements, stretching said skin over said transverse elements without attachment thereto, and securing the ends of said transverse elements to their respective adjacent longitudinal elements while the skin is stretched.

2,387,220 CONVEYER

Edwin C. Wehle, Binghamton, N. Y.
Application December 7, 1944, Serial No. 566,986
7 Claims. (Cl. 198-173)



1. In a combined power conveyor and chute, in combination, an inclined slide, an endless conveyor operatively related thereto and having pusher arms for propelling merchandise up the slide, power means for said conveyor, the disposition of the pusher arms along the length of the conveyor being such that said arms may be shifted to an out-of-the-way position beneath the slide as required to clear the latter whereby, with the power means inoperative and the slide cleared of pusher arms, the slide is effective as a gravity chute.

2,387,221

TREATMENT OF ANIMAL CARCASSES
Beverly E. Williams and Leon L. Cadwell, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application April 3, 1942, Serial No. 437,506
9 Claims. (Cl. 99-107)

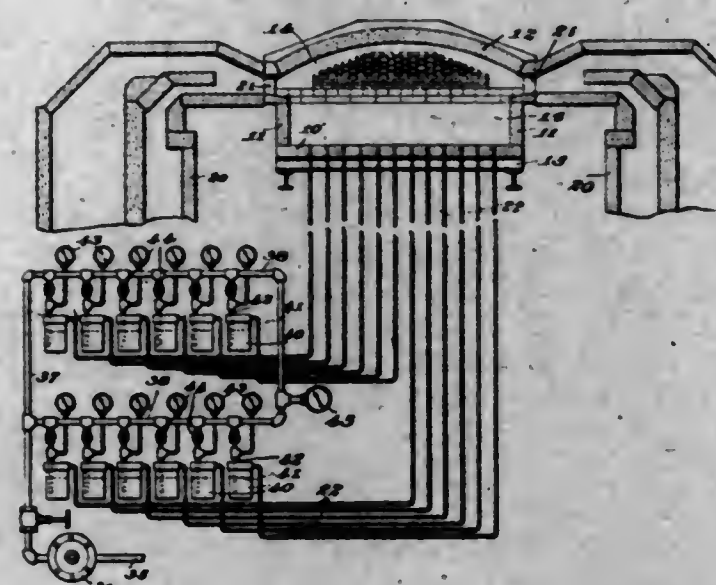


9. A process for the heat treatment of animal carcasses and wholesale cuts thereof, which com-

prises, freeing portions of the bone cavities of the bone structure of the carcass of extraneous matter, freezing the carcass and raising the temperature interiorly of the bone cavities of the bone structure of the carcass and thawing the carcass by heat transmitted through the bone structure.

2,387,222

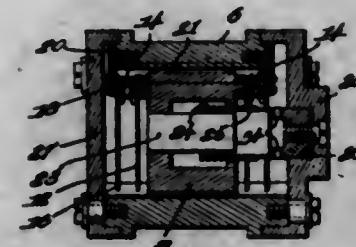
METHOD OF REFINING GLASS
Joseph W. Wright, Alton, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application September 17, 1941, Serial No. 411,170
6 Claims. (Cl. 49-54)



1. The method of producing a localized movement of molten metal in a body of said metal which comprises introducing gas bubbles into said body, causing said bubbles to be distributed throughout a vertically disposed curtain-like zone within said body, thereby producing an upward movement of a curtain-like portion of the metal within said zone caused by gravitational forces applied through the metal and producing an upward movement of said bubbles and an upward drag therewith of the enveloping metal, and restricting the application of gas bubbles to said zone.

2,387,223

VIBRATION PICKUP
Howard Carson, Dayton, Ohio, assignor to Research Corporation, New York, N. Y., a corporation of New York
Application February 6, 1943, Serial No. 475,027
6 Claims. (Cl. 171-209)



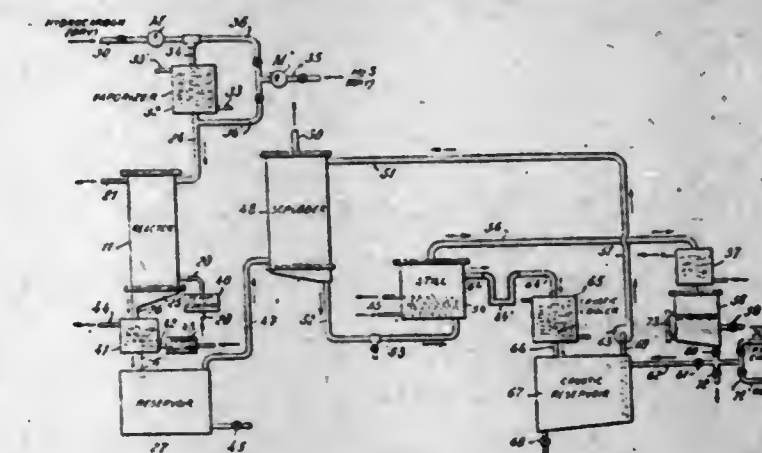
1. Vibration measuring apparatus comprising a casing, a seismic element movable in one direction in the casing, spring supports for the seismic element, each including a plurality of flat split rings, bracket means for connecting the rings of each support, means securing the supports to opposite ends of the seismic element and to the casing, and a rigid member connecting the brackets of both supports.

2,387,224

METHOD FOR SEPARATING HYDROCARBONS AND MAKING MERCAPTANS
Darwin E. Badertscher, Woodbury, N. J., and Harry L. Coonradt, Camp Lee, Va., and Duncan J. Crowley, Penns Grove, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application February 6, 1943, Serial No. 474,924
16 Claims. (Cl. 260-609)

1. The method of making a tertiary mercaptan from a monomeric tertiary base olefin containing from four to five carbon atoms which comprises, passing said tertiary base olefin in the vapor phase with hydrogen sulfide through a reaction zone containing a non-plastic clay-type catalyst, regulating the flow of said reactants through said reaction zone to provide therein a contact time from a fraction of a second to sev-

eral minutes and maintaining the temperature of said reactants therein between about 55° C.

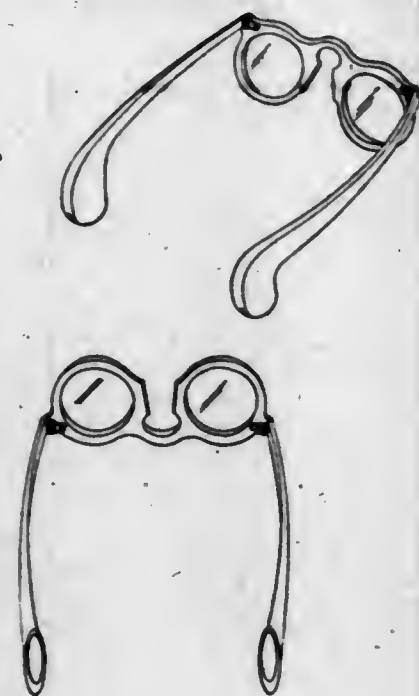


and about 125° C., whereby said tertiary base olefin is converted to the corresponding tertiary mercaptan.

DESIGNS

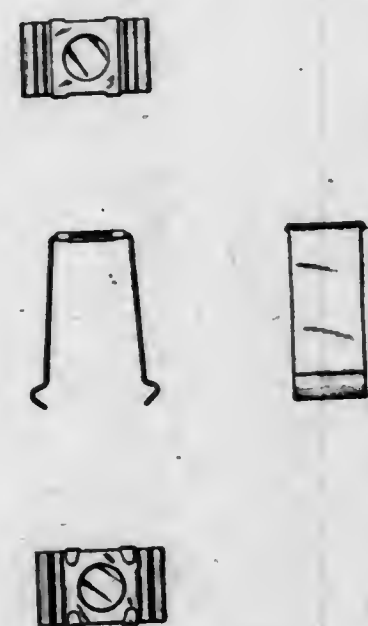
OCTOBER 16, 1945

142,542
DESIGN FOR A COMBINED HEARING AID
SUPPORT AND SPECTACLES
Robert Alexander Bachmann, New York, N. Y.
Application March 16, 1945, Serial No. 118,526
Term of patent 14 years
(Cl. D57-1)



The ornamental design for a combined hearing aid support and spectacles, as shown.

142,543
DESIGN FOR A VIEWER
Albert A. Bechtell, St. Louis, Mo.
Application June 27, 1945, Serial No. 120,365
Term of patent 14 years
(Cl. D57-1)



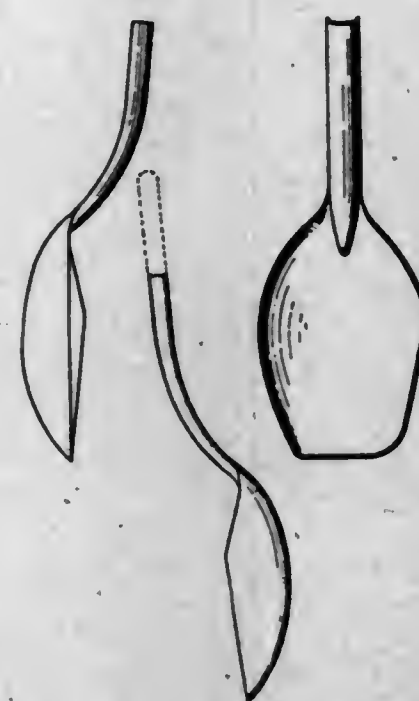
The ornamental design for a viewer, as shown.

142,544
DESIGN FOR A RING
Samuel A. Berg, New York, N. Y.
Application May 28, 1945, Serial No. 119,763
Term of patent 7 years
(Cl. D45-10)



The ornamental design for a ring, substantially as shown.

142,545
DESIGN FOR A KITCHEN SPOON OR
SIMILAR ARTICLE
Walter O. Brown, Detroit, Mich.
Application October 23, 1944, Serial No. 115,932
Term of patent 14 years
(Cl. D54-12)



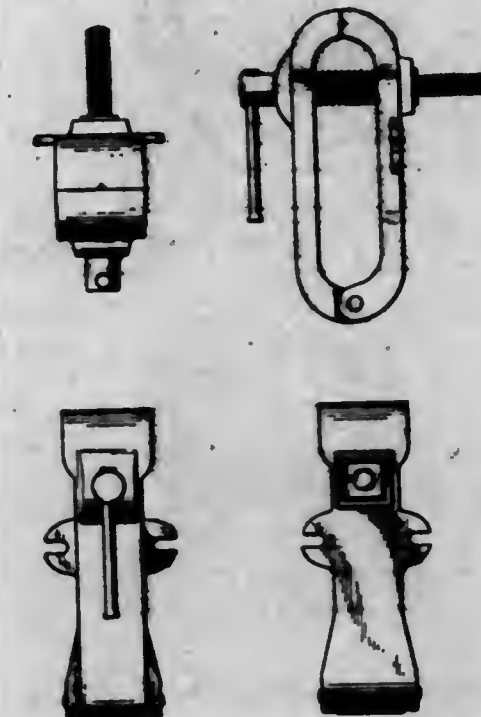
The ornamental design for a kitchen spoon or similar article, substantially as shown and described.

OCTOBER 16, 1945

U. S. PATENT OFFICE

505

142,546
DESIGN FOR A PORTABLE VISE
George T. Cumming, Kansas City, Mo.
Application January 8, 1945, Serial No. 117,335
Term of patent 7 years
(Cl. D64-13)



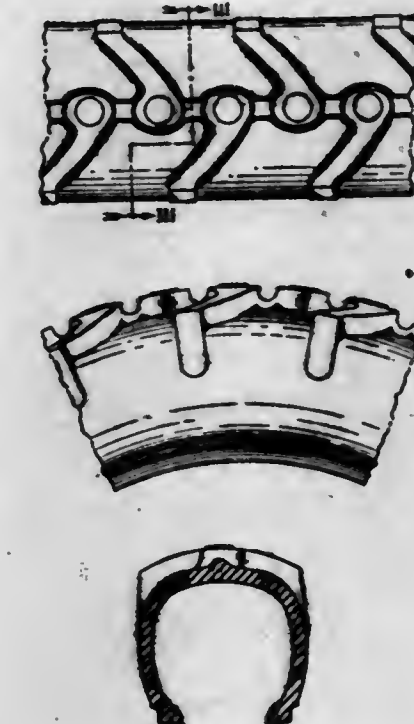
The ornamental design for a portable vise, as shown.

142,547
DESIGN FOR A CONTAINER CAP
Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application May 1, 1945, Serial No. 119,340
Term of patent 14 years
(Cl. D58-26)



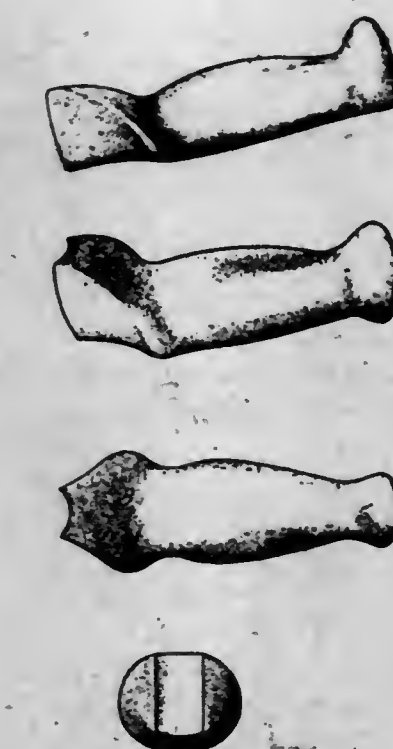
The ornamental design for a container cap, substantially as shown.

142,548
DESIGN FOR A PNEUMATIC TIRE
Elliott S. Ewart, St. Clair Shores, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application July 4, 1945, Serial No. 120,525
Term of patent 14 years
(Cl. D90-20)



The ornamental design for a pneumatic tire, as shown.

142,549
DESIGN FOR A CRUTCH GRIP
Frederick Fink, Washington, D. C.
Application May 24, 1945, Serial No. 119,694
Term of patent 7 years
(Cl. D83-1)



The ornamental design for a crutch grip, as shown.

142,550

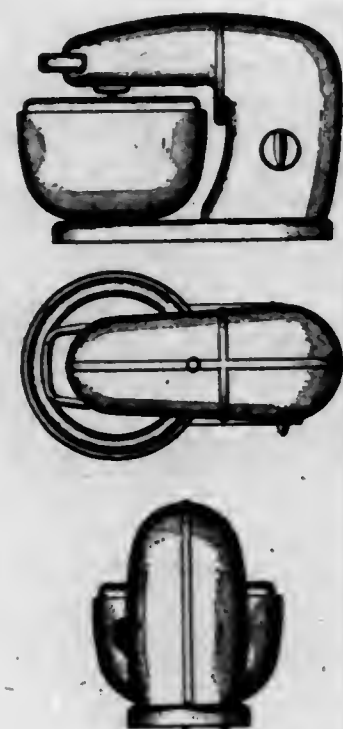
DESIGN FOR A KITCHEN MIXING MACHINE

George E. Ford, Brighton, N. Y., assignor to Qualitrol Corporation, Rochester, N. Y., a corporation of New York

Application January 18, 1945, Serial No. 117,496

Term of patent 14 years

(Cl. D44-1)



The ornamental design for a kitchen mixing machine, substantially as shown.

142,551

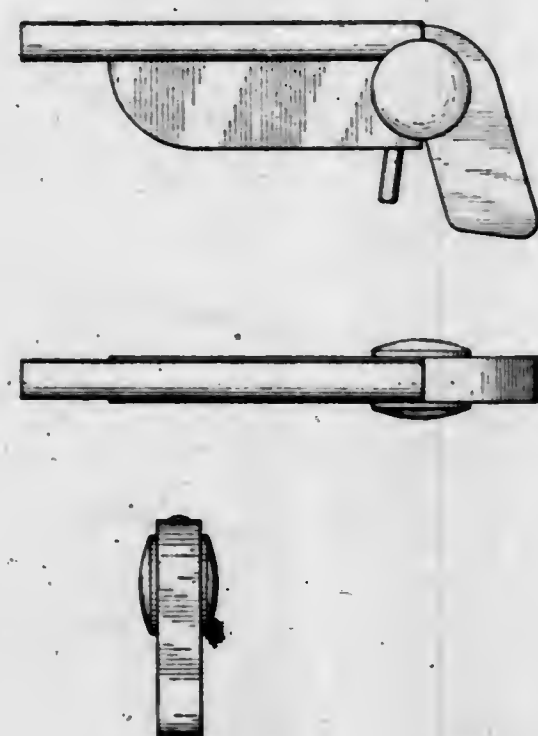
DESIGN FOR A TOY GUN

Leo J. Frankel, Chicago, Ill.

Application December 28, 1944, Serial No. 117,125

Term of patent 14 years

(Cl. D34-15)



The ornamental design for a toy gun, substantially as shown and described.

142,552

DESIGN FOR A CLOCK

Homer Allen Frost, Jr., Tucson, Ariz.

Application August 31, 1944, Serial No. 115,152

Term of patent 14 years

(Cl. D42-7)



The ornamental design for a clock, as shown and described.

142,553

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Clifford A. Furst, New York, N. Y.

Application June 16, 1945, Serial No. 120,161

Term of patent 3½ years

(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

142,554

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Clifford A. Furst, New York, N. Y.

Application June 16, 1945, Serial No. 120,163

Term of patent 3½ years

(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

142,555

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Clifford A. Furst, New York, N. Y.

Application June 16, 1945, Serial No. 120,164

Term of patent 3½ years

(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

142,556

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Clifford A. Furst, New York, N. Y.

Application June 16, 1945, Serial No. 120,165

Term of patent 3½ years

(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

142,557

DESIGN FOR A SUIT

Abe Gruber, New York, N. Y.

Application July 27, 1945, Serial No. 121,026

Term of patent 3½ years

(Cl. D3-4)



The ornamental design for a suit, substantially as shown.

142,558

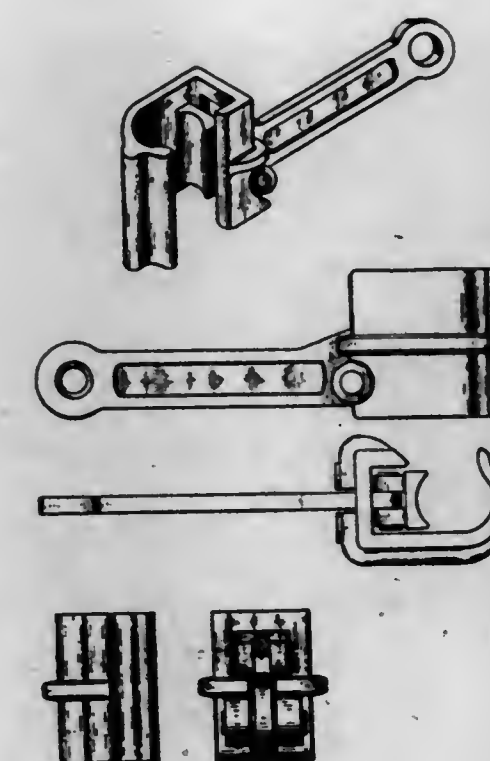
DESIGN FOR A SUCKER ROD CLAMP

John L. Haddock, Compton, and Steve Dixon, Long Beach, Calif.

Application March 9, 1945, Serial No. 118,379

Term of patent 14 years

(Cl. D54-13)



The ornamental design for a sucker rod clamp, substantially as shown.

142,559

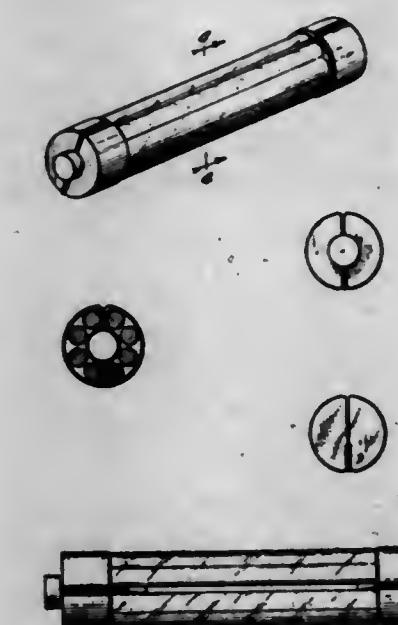
DESIGN FOR A CIGARETTE ROLLER

Edgar R. Herzog, Seattle, Wash.

Application April 28, 1945, Serial No. 119,301

Term of patent 14 years

(Cl. D85-7)



The ornamental design for a cigarette roller, as shown.

142,560

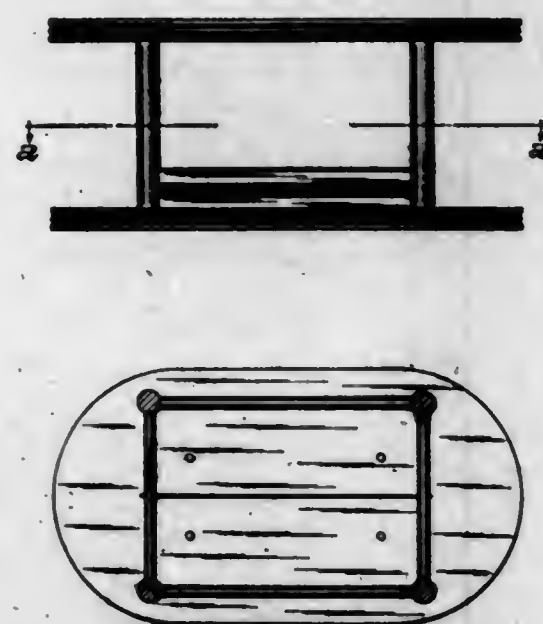
DESIGN FOR A TEXTILE FABRIC
Annette Honeywell, Los Angeles, Calif.
Application March 22, 1945, Serial No. 118,618
Term of patent 7 years
(Cl. D92-1)



The ornamental design for a textile fabric, substantially as shown and described.

142,561

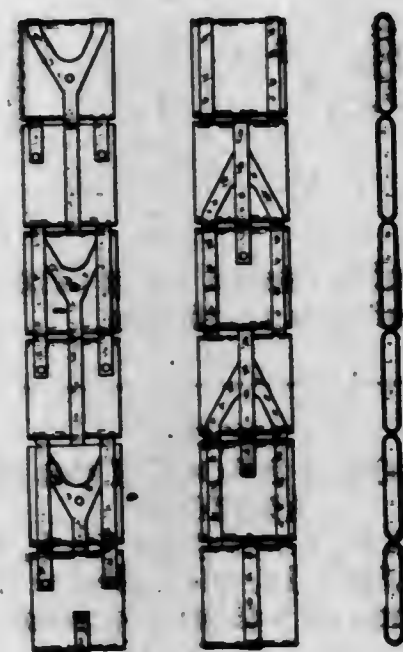
DESIGN FOR A COMBINED BIRD SHELTER AND FEEDING STATION
Donald B. Hyde, Newton, Mass.
Application June 20, 1945, Serial No. 120,226
Term of patent 14 years
(Cl. D31-2)



The ornamental design for a combined bird shelter and feeding station, substantially as shown.

142,562

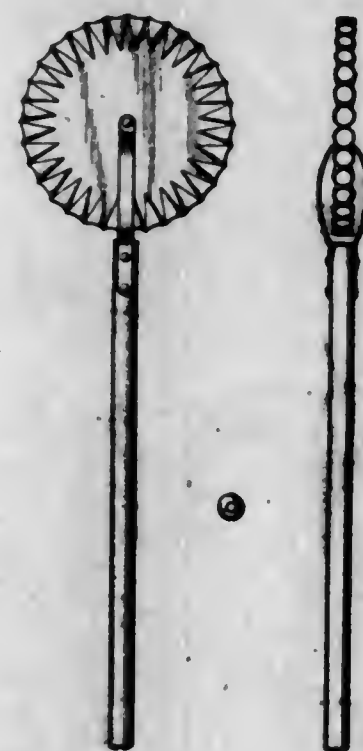
DESIGN FOR AN AMUSEMENT DEVICE
Joseph H. Jones, Detroit, Mich.
Application January 31, 1945, Serial No. 117,691
Term of patent 14 years
(Cl. D34-15)



The ornamental design for an amusement device, substantially as shown.

142,563

DESIGN FOR A TOY WHISTLING WINDMILL
Steve Kalisz, Chicago, Ill.
Application May 21, 1945, Serial No. 119,688
Term of patent 14 years
(Cl. D3-15)



The ornamental design for a toy whistling windmill, as shown.

142,564

DESIGN FOR A BRACELET OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 16, 1945, Serial No. 120,134
Term of patent 7 years
(Cl. D45-4)

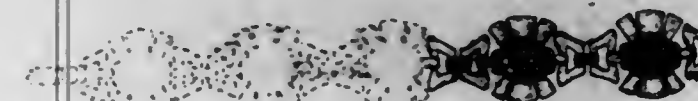


The ornamental design for a bracelet or similar article, substantially as shown.

142,565

DESIGN FOR A BRACELET OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 16, 1945, Serial No. 120,135
Term of patent 7 years
(Cl. D45-4)



The ornamental design for a bracelet or similar article, substantially as shown.

142,566

DESIGN FOR AN EARRING

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 16, 1945, Serial No. 120,136
Term of patent 7 years
(Cl. D45-6)

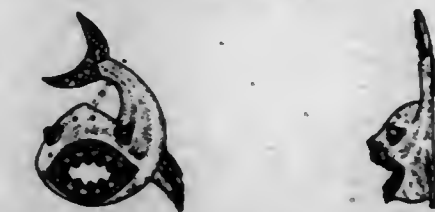


The ornamental design for an earring, substantially as shown.

142,567

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 16, 1945, Serial No. 120,138
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

142,568

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 20, 1945, Serial No. 120,214
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

142,569

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 20, 1945, Serial No. 120,215
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or similar article substantially as shown.

142,570

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 20, 1945, Serial No. 120,216
Term of patent 7 years
(Cl. D45-19)

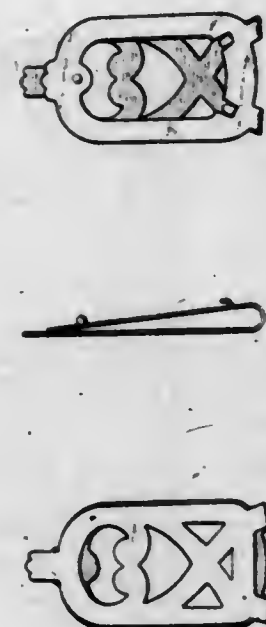


The ornamental design for a brooch or similar article, substantially as shown.

142,571

DESIGN FOR A BILL CLIP OR SIMILAR ARTICLE

Henry L. Lambert, New York, N. Y., and William Cole, Ridgefield Park, N. J.
Application June 23, 1945, Serial No. 120,286
Term of patent 7 years
(Cl. D74—2)

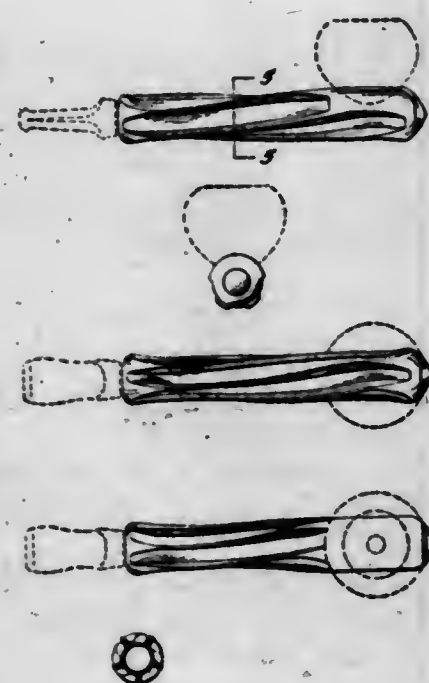


The ornamental design for a bill clip or similar article, as shown.

142,572

DESIGN FOR A SMOKING PIPE

William Leipper, Seattle, Wash., assignor to Merrill G. Sampson, Seattle, Wash.
Application November 3, 1944, Serial No. 116,130
Term of patent 14 years
(Cl. D85—8)

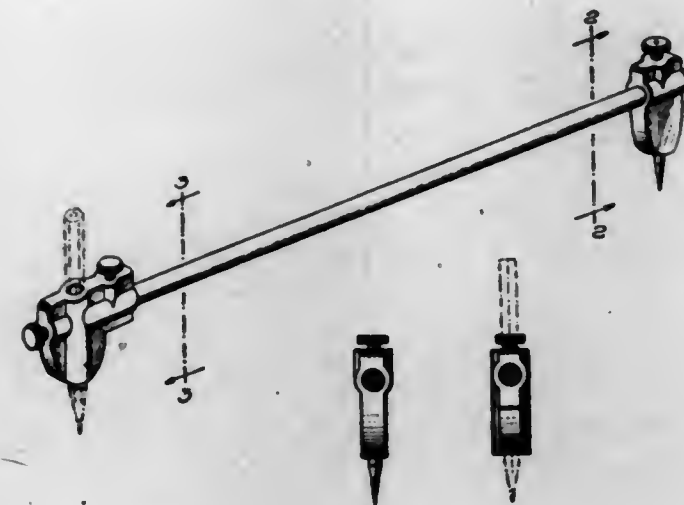


The ornamental design for a smoking pipe, substantially as shown and described.

142,573

DESIGN FOR A BEAM COMPASS

John S. Mahler, Glen Ridge, N. J.
Application June 18, 1945, Serial No. 120,192
Term of patent 14 years
(Cl. D52—1)

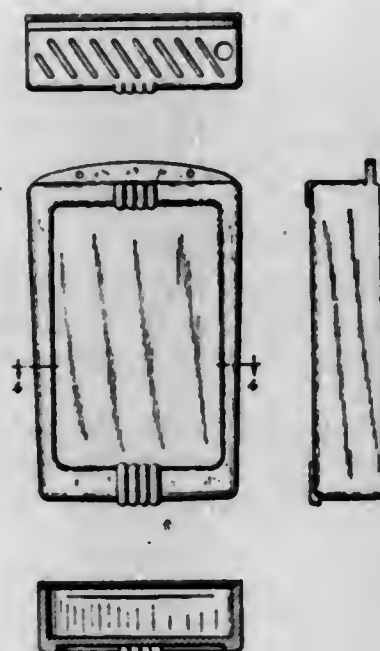


The ornamental design for a beam compass, as shown.

142,574

DESIGN FOR A KNIFE BOX

Augustine M. Mazzarelli, New York, N. Y.
Application January 16, 1945, Serial No. 117,457
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a knife box, as shown.

142,575

DESIGN FOR A TOY

Viola E. Meers, Los Angeles, Calif.
Application March 13, 1945, Serial No. 118,460
Term of patent 14 years
(Cl. D34—2)



The ornamental design for a toy, substantially as shown.

142,576

DESIGN FOR A DIE

Robert B. Morris, Hollywood, Calif.
Application January 1, 1945, Serial No. 117,218
Term of patent 14 years
(Cl. D34—5)

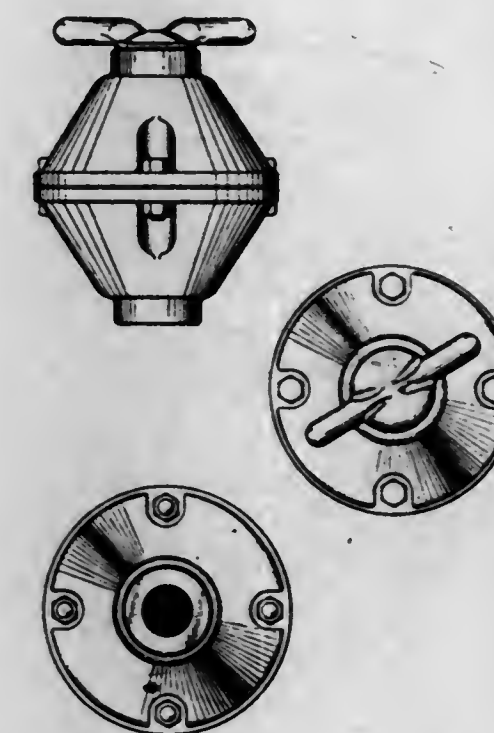


The ornamental design for a die, as shown.

142,577

DESIGN FOR A CONTAINER FOR WATER TREATING MATERIAL

Clarence H. Morrow, Shaker Heights, Ohio, assignor to The Hotstream Heater Company, Cleveland, Ohio, a corporation of Ohio
Application April 7, 1945, Serial No. 118,889
Term of patent 14 years
(Cl. D16—2)



The ornamental design for a container for water treating material, as shown.

142,578

DESIGN FOR A COMPACT

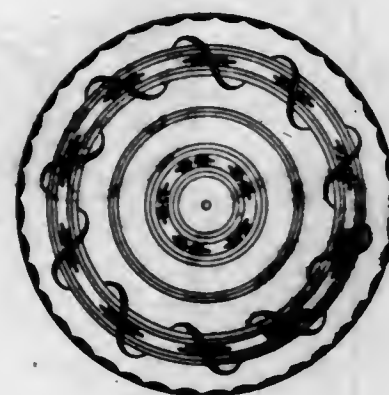
Jesse H. Newport, Jr., Upper Darby, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application May 8, 1945, Serial No. 119,452
Term of patent 14 years
(Cl. D86—10)



The ornamental design for a compact, substantially as shown.

142,579

DESIGN FOR AN ELECTRIC LIGHT BOWL
 Albert J. D. Ohm, Buffalo, N. Y., assignor to Mar-
 kel Electric Products, Inc., Buffalo, N. Y., a cor-
 poration of New York
 Application April 27, 1945, Serial No. 119,258
 Term of patent 14 years
 (Cl. D48-16)



The ornamental design for an electric light bowl, as shown and described.

142,580

DESIGN FOR AN ELECTRIC LIGHT BOWL
 Albert J. D. Ohm, Buffalo, N. Y., assignor to Mar-
 kel Electric Products, Inc., Buffalo, N. Y., a cor-
 poration of New York
 Application April 27, 1945, Serial No. 119,259
 Term of patent 14 years
 (Cl. D48-16)



The ornamental design for an electric light bowl, as shown and described.

142,581

DESIGN FOR AN ELECTRIC LIGHT BOWL
 Albert J. D. Ohm, Buffalo, N. Y., assignor to Mar-
 kel Electric Products, Inc., Buffalo, N. Y., a cor-
 poration of New York
 Application April 27, 1945, Serial No. 119,260
 Term of patent 14 years
 (Cl. D48-16)



The ornamental design for an electric light bowl, as shown and described.

142,582

DESIGN FOR AN ELECTRIC LIGHT BOWL
 Albert J. D. Ohm, Buffalo, N. Y., assignor to Mar-
 kel Electric Products, Inc., Buffalo, N. Y., a cor-
 poration of New York
 Application April 27, 1945, Serial No. 119,261
 Term of patent 14 years
 (Cl. D48-16)



The ornamental design for an electric light bowl, as shown and described.

142,583

DESIGN FOR AN ELECTRIC LIGHT BOWL
 Albert J. D. Ohm, Buffalo, N. Y., assignor to Mar-
 kel Electric Products, Inc., Buffalo, N. Y., a cor-
 poration of New York
 Application April 27, 1945, Serial No. 119,262
 Term of patent 14 years
 (Cl. D48-16)



The ornamental design for an electric light bowl, as shown and described.

142,584

DESIGN FOR A BROOCH OR SIMILAR ARTICLE
 Alfred Philippe, Scarsdale, N. Y.
 Application June 20, 1945, Serial No. 120,217
 Term of patent 7 years
 (Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

142,585

DESIGN FOR A BROOCH OR SIMILAR ARTICLE
 Alfred Philippe, Scarsdale, N. Y.
 Application June 20, 1945, Serial No. 120,218
 Term of patent 7 years
 (Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

142,586

DESIGN FOR A CLIP OR SIMILAR ARTICLE
 Alfred Philippe, Scarsdale, N. Y.
 Application June 20, 1945, Serial No. 120,219
 Term of patent 7 years
 (Cl. D45-19)



The ornamental design for a clip or similar article, substantially as shown.

142,587

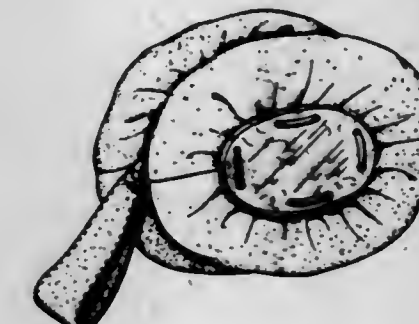
DESIGN FOR A CLIP OR SIMILAR ARTICLE
 Alfred Philippe, Scarsdale, N. Y.
 Application June 20, 1945, Serial No. 120,220
 Term of patent 7 years
 (Cl. D45-19)



The ornamental design for a clip or similar article, substantially as shown.

142,588

DESIGN FOR A HANDBAG
 Irving Pichel, New York, N. Y.
 Application June 27, 1945, Serial No. 120,369
 Term of patent 7 years
 (Cl. D87-3)

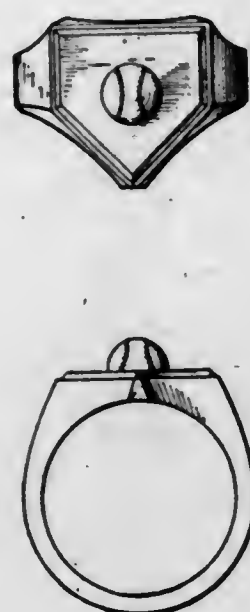


The ornamental design for a handbag, substantially as shown.

142,589

DESIGN FOR A FINGER RING

Gustav Pohli, Teaneck, N. J.
Application September 27, 1944, Serial No. 115,489
Term of patent 7 years
(Cl. D45—10)

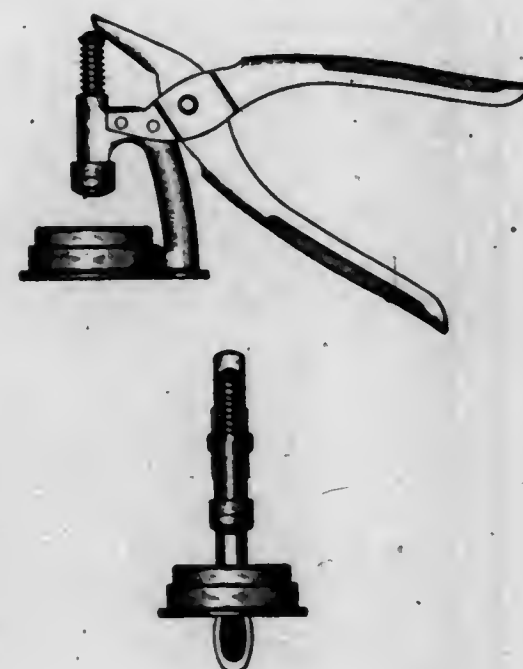


The ornamental design for a finger ring, as shown.

142,590

DESIGN FOR A WATCH CRYSTAL INSERTING MACHINE

Julius Simon, Rochester, N. Y., assignor to Germanow-Simon Machine Co., Rochester, N. Y., a co-partnership of New York
Application July 4, 1945, Serial No. 120,522
Term of patent 14 years
(Cl. D42—1)

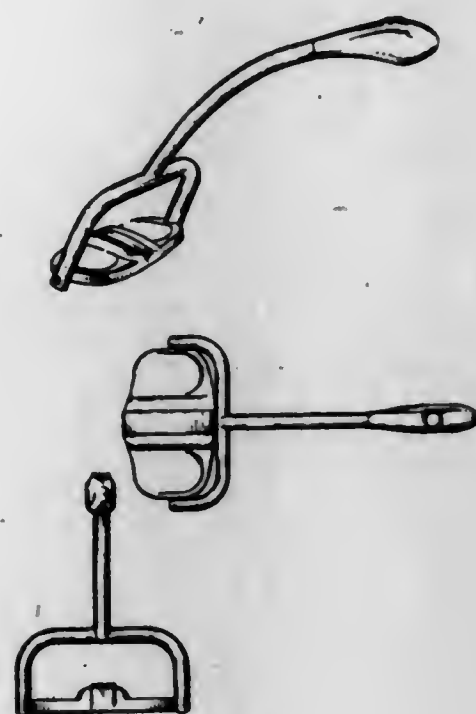


The ornamental design for a watch crystal inserting machine, substantially as shown.

142,591

DESIGN FOR A VELOCIPEDE FRAME MEMBER

William I. Smith, Perrysburg, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application August 5, 1944, Serial No. 114,745
Term of patent 7 years
(Cl. D34—15)

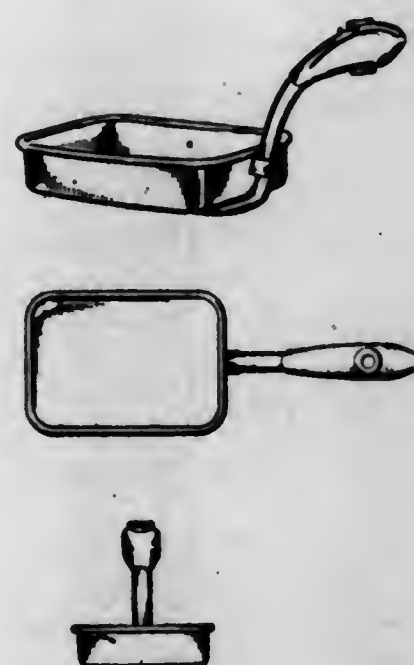


The ornamental design for a velocipede frame member, as shown.

142,592

DESIGN FOR A FRAME FOR A TRICYCLE

William I. Smith, Perrysburg, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application February 10, 1945, Serial No. 117,869
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a frame for a tricycle, as shown.

142,593

DESIGN FOR A STIRRING SPOON RACK OR SIMILAR ARTICLE

Rosanna Stacey, Hollywood, Calif.
Application May 19, 1945, Serial No. 119,627
Term of patent 14 years
(Cl. D44—24)



The ornamental design for a stirring spoon rack or similar article, substantially as shown.

142,594

DESIGN FOR A HEEL

James Hartley Stackhouse, Newton, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 1, 1945, Serial No. 121,140
Term of patent 14 years
(Cl. D7—5)

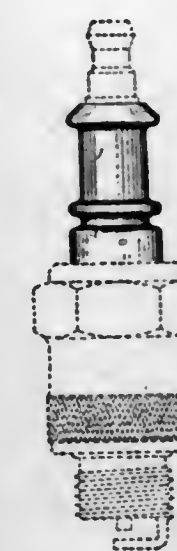


The ornamental design for a heel, as shown.

142,595

DESIGN FOR A SPARK PLUG

George D. Suter, Wauwatosa, Wis., assignor to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware
Application February 24, 1945, Serial No. 118,117
Term of patent 7 years
(Cl. D26—1)

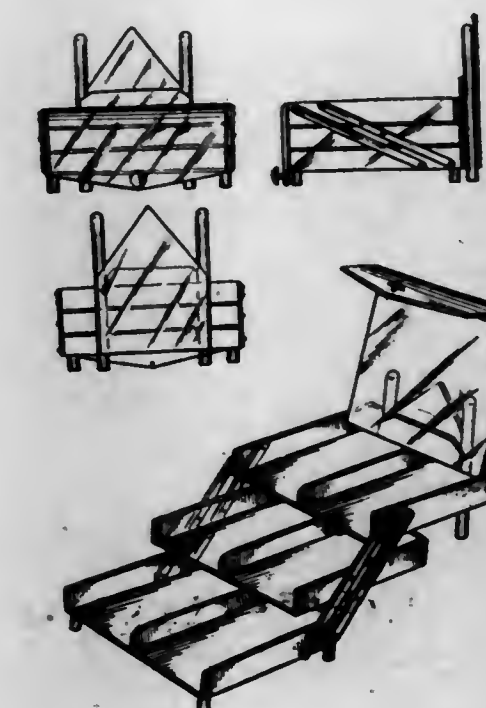


The ornamental design for a spark plug, as shown and described.

142,596

DESIGN FOR A CIGARETTE DISPENSER OR THE LIKE

Monroe B. Toklas, New York, N. Y., assignor to Clearite Products, Inc., New York, N. Y.
Application May 18, 1945, Serial No. 119,609
Term of patent 3½ years
(Cl. D85—2)

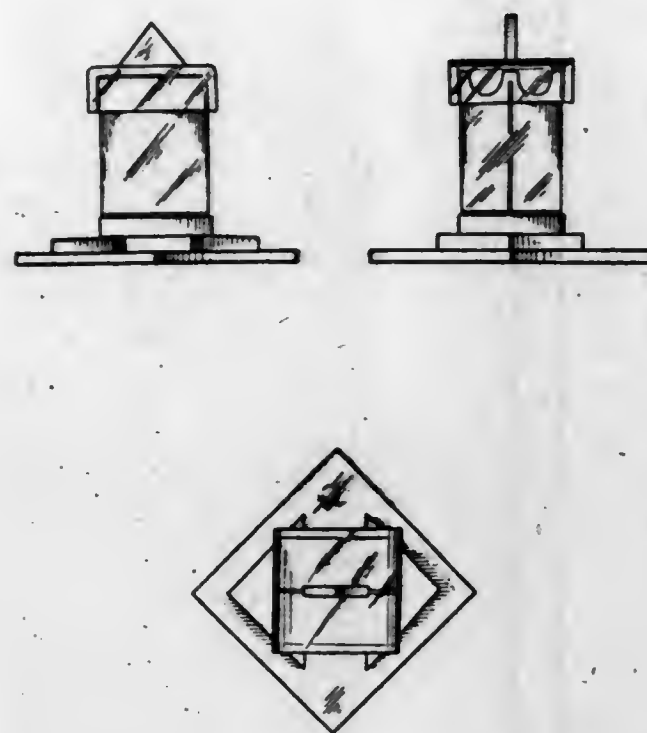


The ornamental design for a cigarette dispenser or the like, substantially as shown.

142,597

DESIGN FOR A CIGARETTE DISPENSER OR THE LIKE

Monroe B. Tobias, New York, N. Y., assignor to Clearite Products, Inc., New York, N. Y.
Application May 19, 1945, Serial No. 119,631
Term of patent $3\frac{1}{2}$ years
(Cl. D45-2)

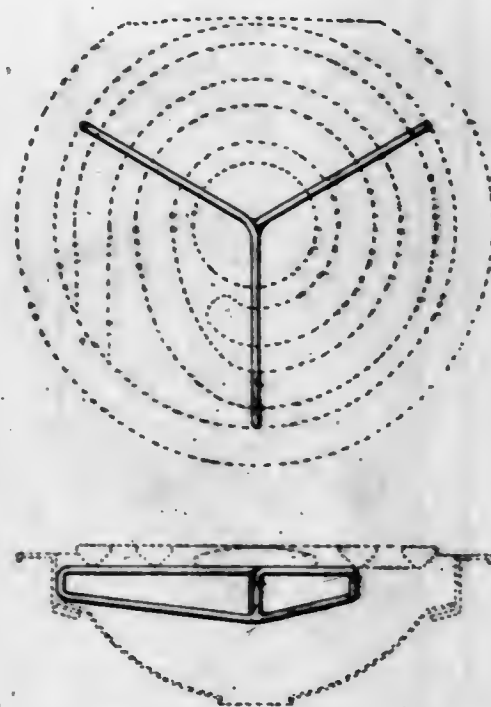


The ornamental design for a cigarette dispenser or the like, substantially as shown and described.

142,598

DESIGN FOR AN ELECTRIC HEATER

William R. Tuttle, Riverside, Ill., assignor to Tuttle & Kift, Inc., Chicago, Ill., a corporation of Illinois
Application December 7, 1944, Serial No. 116,778
Term of patent 14 years
(Cl. D81-25)

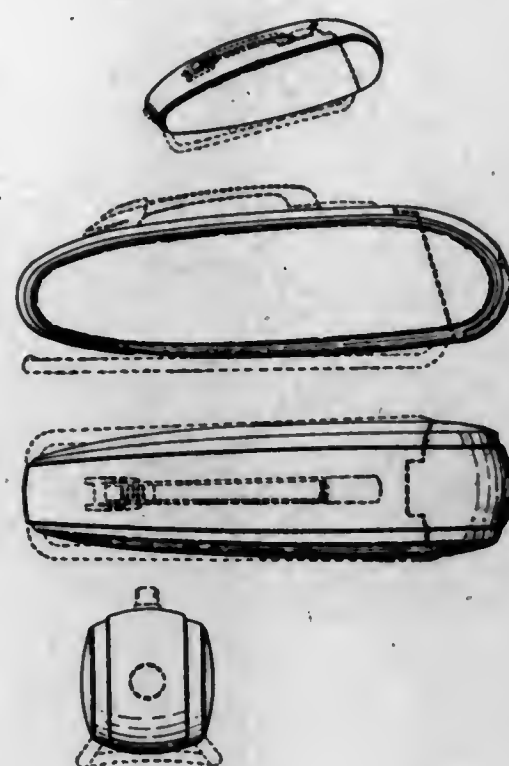


The ornamental design for an electric heater, as shown and described.

142,599

DESIGN FOR A VACUUM CLEANER CASING

George W. Walker, Pleasant Ridge, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application July 26, 1943, Serial No. 110,770
Term of patent 14 years
(Cl. D9-2)

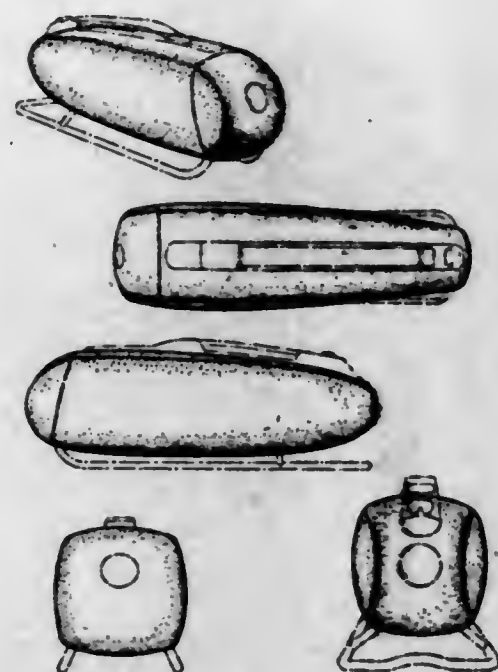


The ornamental design for a vacuum cleaner casing, substantially as shown and described.

142,600

DESIGN FOR A VACUUM CLEANER CASING

George W. Walker, Pleasant Ridge, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application March 1, 1944, Serial No. 112,762
Term of patent 14 years
(Cl. D9-2)



The ornamental design for a vacuum cleaner casing, substantially as described and shown.

142,601

DESIGN FOR A SPRAY GUN OR SIMILAR ARTICLE

Michael M. Warner, Chicago, Ill.
Application May 31, 1945, Serial No. 119,831
Term of patent 14 years
(Cl. D62-2)

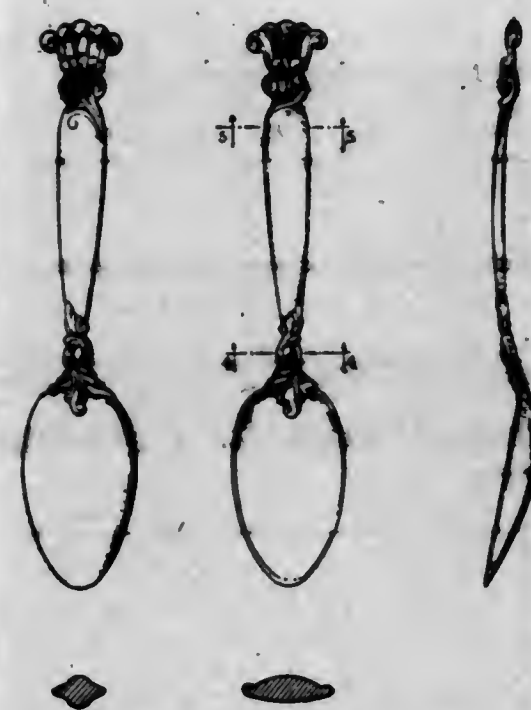


The ornamental design for a spray gun or similar article, as shown.

142,602

DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE

William S. Warren, Meriden, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation of Connecticut
Application July 11, 1945, Serial No. 120,643
Term of patent 14 years
(Cl. D54-12)



The ornamental design for a spoon or other article of flatware, as shown.

142,603

DESIGN FOR A FINGER RING

Edward L. Weed, Providence, R. I.
Application April 17, 1945, Serial No. 119,052
Term of patent 7 years
(Cl. D45-10)

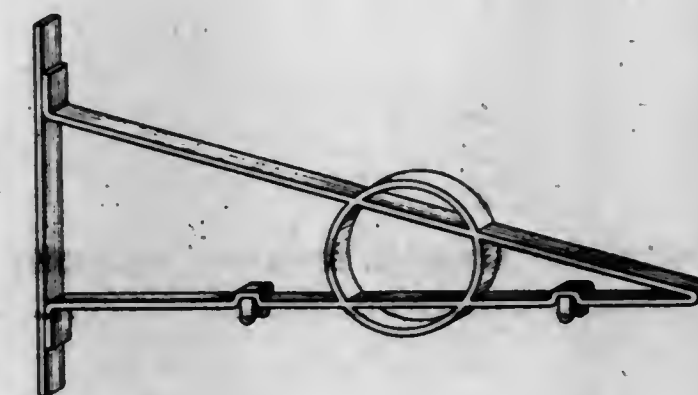


The ornamental design for a finger ring, substantially as shown.

142,604

DESIGN FOR A SIGN SUPPORTING BRACKET

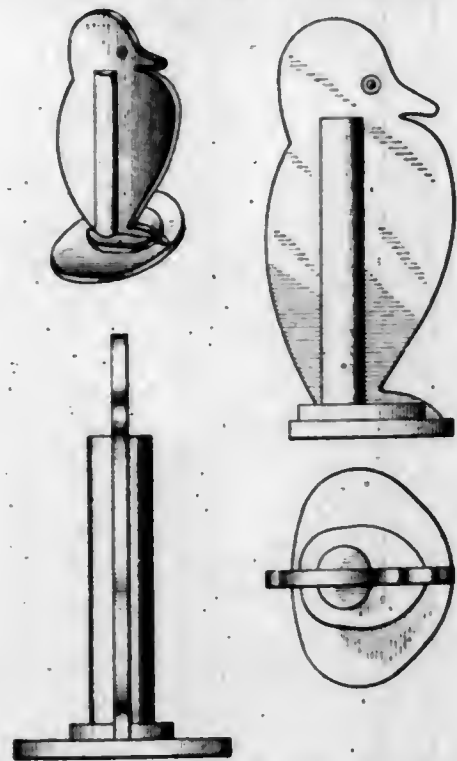
Vernon Werkmeister, Villa Park, Ill., assignor to Schneider Metal Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 10, 1945, Serial No. 117,365
Term of patent 7 years
(Cl. D1-12)



The ornamental design for a sign supporting bracket, substantially as shown.

142,605
DESIGN FOR A TOY FIGURE
Irene Wolfberg, Chicago, Ill.

Application February 23, 1945, Serial No. 118,091
Term of patent 14 years
(Cl. D34-2)



The ornamental design for a toy figure, substantially as shown.

142,606
DESIGN FOR A HEEL
Herbert H. Wydom, Brockton, Mass., assignor to
The B. F. Goodrich Company, New York, N. Y.,
a corporation of New York

Application August 1, 1945, Serial No. 121,143
Term of patent 14 years
(Cl. D7-5)



The ornamental design for a heel, as shown.

142,607
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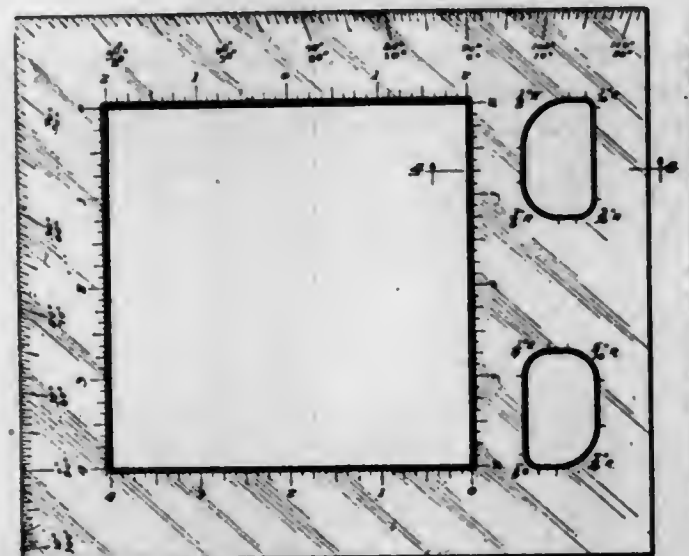
Application August 1, 1945, Serial No. 121,144
Term of patent 14 years
(Cl. D7-5)



The ornamental design for a heel, as shown.

142,608
DESIGN FOR A DRAWING INSTRUMENT
Florenz W. Ziegfeld, Chicago, Ill.

Application April 5, 1945, Serial No. 118,868
Term of patent 14 years
(Cl. D52-1)



The ornamental design for a drawing instrument, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

- Alletcher, M. & Co., Lakewood, N. J. Toy dolls. Serial No. 484,005; Oct. 16. Class 22.
- American Brake Shoe Company, New York, N. Y. Babbitt metal, unfinished cored and solid bars of non-ferrous metals, etc. Serial No. 483,507; Oct. 16. Class 14.
- Angelus Laboratories: See—
- Brunswick Drug Company.
- Appliance & Heating Supply Company: See—
- Hettinger, Francis J.
- Armature Coil Equipment, Inc., Cleveland, Ohio. Air operated coil forming machines, combination group winders and spreaders, etc. Serial No. 482,666; Oct. 16. Class 23.
- Armstrong Cork Company, Manheim Township, Pa. Blocks or slabs of cork composition. Serial No. 479,832; Oct. 16. Class 50.
- Arnold, Schwinn & Co., Chicago, Ill. Bicycles and parts therefor. Serial No. 482,967; Oct. 16. Class 19.
- Artfield Creations: See—
- Blake, Irene, Cosmetics, Inc.
- Baker Importing Company, Inc., New York, N. Y. Coffee extract. Serial No. 485,256; Oct. 16. Class 46.
- Balcrank Inc., Cincinnati, Ohio. Pumps for dispensing lubricating grease. Serial No. 483,888; Oct. 16. Class 23.
- Bates Accounting Forms Co.: See—
- Hirsch, Jacob.
- Bilbara Publishing Company Inc., New York, N. Y. Illustrated magazine. Serial No. 482,830; Oct. 16. Class 38.
- Bilbara Publishing Company Inc., New York, N. Y. Magazine relating to television. Serial No. 484,771; Oct. 16. Class 38.
- Blake, Irene, Cosmetics, Inc., doing business as Artfield Creations, New York, N. Y. Brushless shave cream, shaving soap, and shaving sticks. Serial No. 484,081; Oct. 16. Class 4.
- Boppert Mfg. Co., Kansas City, Mo. Remembrance tokens in the forms of pocketpieces and pendants. Serial No. 482,462; Oct. 16. Class 28.
- Bristol-Myers Company, New York, N. Y. Shampoo. Serial No. 481,520; Oct. 16. Class 6.
- Brunswick Drug Company, doing business as Angelus Laboratories, Los Angeles, Calif. Volatile compound. Serial No. 480,404; Oct. 16. Class 4.
- Burgess Battery Company, Chicago, Ill. Dry batteries and flashlight cases. Serial No. 437,432; Oct. 16. Class 21.
- Burke and James, Inc., Chicago, Ill. Photographic cameras and photographic enlargers. Serial No. 484,933; Oct. 16. Class 26.
- Causton, Harold E., doing business as Purity Dance Wax Company, Sedalia, Mo. Floor wax. Serial No. 485,072; Oct. 16. Class 16.
- Chain Belt Company, Milwaukee, Wis. Power transmission chain. Serial No. 481,735; Oct. 16. Class 23.
- Champagne Paper Corporation, Pisgah Forest, N. C. Cigarette paper booklets. Serial No. 484,877; Oct. 16. Class 8.
- Champagne Paper Corporation, Pisgah Forest, N. C. Cigarette paper booklets. Serial No. 485,196; Oct. 16. Class 8.
- Ciba Pharmaceutical Products, Inc., Summit, N. J. Vasoconstrictor and pressor substance. Serial No. 457,000; Oct. 16. Class 6.
- Cluett, Peabody & Co., Inc., Troy, N. Y. Outer shirts, handkerchiefs, neckties, and underwear for men. Serial No. 482,834; Oct. 16. Class 39.
- Cofax Corporation, The, New York, N. Y. Pressure sensitive sealing tape. Serial No. 484,240; Oct. 16. Class 37.
- Cofax Corporation, The, New York, N. Y. Packaging paper. Serial No. 484,241; Oct. 16. Class 37.
- Cofax Corporation, The, New York, N. Y. Wrapping paper. Serial No. 484,243; Oct. 16. Class 37.
- Cofax Corporation, The, New York, N. Y. Wrapping paper. Serial No. 484,245; Oct. 16. Class 37.
- Cofax Corporation, The, New York, N. Y. Protective wrapping paper. Serial No. 484,247; Oct. 16. Class 37.
- Consolidated Cosmetics, Chicago, Ill. Perfume, cologne, toilet water, etc. Serial No. 481,014; Oct. 16. Class 6.
- Container Corporation of America, Chicago, Ill. Paperboard cartons and boxes. Serial No. 473,310; Oct. 16. Class 2.
- Coralite Dental Products Company, Chicago, Ill. Acrylic teeth. Serial No. 485,758; Oct. 16. Class 44.
- Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. Serial No. 484,944; Oct. 16. Class 6.
- Cowles Magazines, Inc., Des Moines, Iowa. Section of a regularly issued magazine. Serial No. 478,804; Oct. 16. Class 38.
- Crossen, Ken, doing business as Fact & Fiction Publications, New York, N. Y. Comic strips and periodical magazines. Serial No. 484,485; Oct. 16. Class 38.
- Curtiss-Wright Corporation, New York and Buffalo, N. Y.; Columbus, Ohio; Louisville, Ky.; St. Louis, Mo., and elsewhere. Airplanes, and structural parts thereof. Serial No. 465,708; Oct. 16. Class 19.
- Delsoy Products, Inc., New York, N. Y. Food preparation in liquid form. Serial No. 485,764; Oct. 16. Class 46.
- Dembenski, Joseph E., New York, N. Y. Devices equipped with dental floss. Serial No. 471,208; Oct. 16. Class 44.
- Dobackmun Company, The, Cleveland, Ohio. Yarn and thread. Serial No. 483,516; Oct. 16. Class 43.
- Dorton, John M., Bonner Springs, Kans. Adjustable seats, adjustable chairs, convertible pieces of furniture, etc. Serial No. 477,152; Oct. 16. Class 32.
- Dudley, Carl, Beverly Hills, Calif. Containers for motion picture films. Serial No. 483,517; Oct. 16. Class 2.
- Dunlop Rubber Company Limited, Erdington, Birmingham, England. Electrical apparatus for attachment to the firing mechanism of guns. Serial Nos. 477,463-4; Oct. 16. Class 9.
- Edison Bros. Stores, Inc., St. Louis, Mo. Ladies' shoes. Serial No. 482,366; Oct. 16. Class 39.
- Edwards, Adam, doing business as Hi-Wards Products, Southgate, Calif. Automobile polish. Serial No. 478,114; Oct. 16. Class 16.
- Elmore Silver Co., Inc., The, Meriden, Conn. Forks, knives, spoons and other flat tableware. Serial No. 479,508; Oct. 16. Class 28.
- Empire Sporting Goods Manufacturing Co., Inc., New York, N. Y. Duffle bags, knapsacks, roverpacks, etc. Serial No. 485,529; Oct. 16. Class 3.
- Excelsior Jewelers Findings, New York, N. Y. Bracelets, brooches, chains, etc. Serial No. 480,444; Oct. 16. Class 28.
- Fact & Fiction Publications: See—
- Crossen, Ken.
- Florida Sponge & Chamols Co., New York, N. Y. Chamols skins. Serial No. 484,624; Oct. 16. Class 1.
- Fouke Fur Company, St. Louis, Mo. Fur skins, hides, and pelts. Serial No. 484,625; Oct. 16. Class 1.
- Frank, Kenneth S., doing business as Kernard Novelty Company, New York, N. Y. Puzzle. Serial No. 478,076; Oct. 16. Class 22.
- General Aniline & Film Corporation, New York, N. Y. Electrical safe-lights. Serial No. 477,875; Oct. 16. Class 21.
- Gibbons, J. T., Inc., New Orleans, La. Feed for poultry. Serial No. 482,320; Oct. 16. Class 46.
- Gimbel Brothers, Inc., New York, N. Y. Men's and boys' clothing. Serial No. 482,985; Oct. 16. Class 39.
- Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Springs of rubber and metal for vehicle wheel suspensions and other connections. Serial No. 478,559; Oct. 16. Class 19.
- Goodyear Rubber Sundries, Inc., New Haven, Conn. Laminated synthetic rubber crib sheets. Serial No. 477,975; Oct. 16. Class 50.
- Great Neck Saw Manufacturers, Inc., Mineola, N. Y. Hand tools. Serial No. 482,987; Oct. 16. Class 23.
- Greneker Corporation, The, New York, N. Y. Heads and manikins. Serial No. 483,617; Oct. 16. Class 50.
- Groszold Ski Company, Inc., The, Denver, Colo. Skis and ski bindings and parts thereof. Serial No. 485,570; Oct. 16. Class 22.
- Hall, C. P., The, Company, Akron, Ohio. Barytes, carbon black, clays, etc. Serial No. 480,575; Oct. 16. Class 1.
- Hammermill Paper Company, Erie, Pa. News and editorial publication. Serial No. 462,052; Oct. 16. Class 38.
- Heribert, Herbert J., New York, N. Y. Adhesive cement. Serial No. 481,786; Oct. 16. Class 5.
- Hettinger, Francis J., doing business as Appliance & Heating Supply Company, Louisville, Ky. Automatic stokers. Serial No. 483,620; Oct. 16. Class 34.
- Higgins Industries, Inc., New Orleans, La. Bonded plastic plywood. Serial No. 479,479; Oct. 16. Class 12.
- Hirsch, Jacob, doing business as Bates Accounting Forms Co., New York, N. Y. Payroll computing machines. Serial No. 483,688; Oct. 16. Class 26.
- Hi-Wards Products: See—
- Edwards, Adam.
- Hoffman, Rube P., Los Angeles, Calif. Piece goods of wool, cotton, silk, and rayon and of mixtures thereof. Serial No. 482,202; Oct. 16. Class 42.
- Horton & Converse, Los Angeles, Calif. Combination container and device for delivering measured amounts of solid, semi-solid or gelatinous materials. Serial No. 484,480; Oct. 16. Class 44.

LIST OF TRADE-MARK APPLICANTS

Ilex Optical Company, Rochester, N. Y. Camera shutters. Serial Nos. 471,948-9; Oct. 16. Class 26.
 Illinois Testing Laboratories, Inc., Chicago, Ill. Electrical temperature measuring instruments and parts thereof. Serial Nos. 477,700-2; Oct. 16. Class 26.
 International Nickel Company, Inc., The, New York, N. Y. Nickel-containing cast ferrous alloy. Serial Nos. 484,954-5; Oct. 16. Class 14.
 Jedwabnik, Lydia, New York, N. Y. Dolls. Serial No. 483,182; Oct. 16. Class 22.
 Jellum, Inc., Joliet, Ill. Food mixture. Serial No. 478,877; Oct. 16. Class 46.
 Jensen Radio Manufacturing Company, Chicago, Ill. Acoustic horns for use with an electro or mechanical acoustic transducer, etc. Serial No. 449,610; Oct. 16. Class 36.
 Jergens, Andrew, Company, The, Cincinnati, Ohio. Perfume. Serial No. 485,017; Oct. 16. Class 6.
 Katrinefors Aktiebolag, Mariestad, Sweden. Boards made of wood fiber. Serial No. 485,087; Oct. 16. Class 12.
 Kayajan, Samuel, doing business as Nobscot Mountain Spring Water Co., Framingham, Mass. Natural spring water carbonated water, and nonalcoholic, noncereal, maltless beverages. Serial No. 484,532; Oct. 16. Class 45.
 Kenard Novelty Company: See—
 Franke, Kenneth S.
 Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Sanitary napkins. Serial No. 493,255; Oct. 16. Class 44.
 Kuhlman, Arthur L., Bay City, Mich. Concrete blocks. Serial No. 470,378; Oct. 16. Class 12.
 Landers Corporation, The, Toledo, Ohio. Waterproofed and water-repellent textile fabrics of cotton. Serial No. 478,965; Oct. 16. Class 42.
 Landers Corporation, The, Toledo, Ohio. Coated or impregnated cloth. Serial No. 478,965; Oct. 16. Class 42.
 Landers Corporation, The, Toledo, Ohio. Coated or impregnated cloth. Serial No. 478,967; Oct. 16. Class 42.
 Landers Corporation, The, Toledo, Ohio. Plastic coated cotton fabrics. Serial No. 478,969; Oct. 16. Class 42.
 Landers Corporation, The, Toledo, Ohio. Treated cotton textile piece goods. Serial No. 479,575; Oct. 16. Class 42.
 Lily of France Corset Company, Inc., New York, N. Y. Corsets, brassieres and garter brassieres, and girdles. Serial No. 483,142; Oct. 16. Class 39.
 Lindsay, Henry, Limited, Bradford, England. Hook adapters. Serial No. 482,292; Oct. 16. Class 13.
 Lustberg, Nast & Co., Inc., New York, N. Y. Men's, women's, and boys' jackets, mackinaws, and raincoats. Serial No. 484,963; Oct. 16. Class 39.
 M & W Thomas Co., New York, N. Y. Piece goods of silk, rayon, cotton, etc. Serial No. 467,549; Oct. 16. Class 42.
 Macwil, Inc., New York, N. Y. Ski suits, ski trousers, and ski jackets for men and women, etc. Serial No. 483,981; Oct. 16. Class 39.
 Madame Mathilde Gloves, New York, N. Y. Ladies' gloves. Serial No. 482,937; Oct. 16. Class 39.
 Marathon Corporation, Rothschild, Wis. Waxed paper. Serial No. 475,963; Oct. 16. Class 37.
 Meadtex Fabrics Co., The, New York, N. Y. Ladies', misses', and girls' dresses, aprons, slips, etc. Serial No. 484,099; Oct. 16. Class 39.
 Miahati, Inc., New York, N. Y. After shave lotions. Serial No. 480,779; Oct. 16. Class 6.
 Miahati, Inc., New York, N. Y. Perfumes. Serial No. 480,780; Oct. 16. Class 6.
 Morgan Crucible Company Limited, The, London, England. Insulated electric flexible conductors and electric insulating material. Serial No. 480,116; Oct. 16. Class 21.
 Munsingwear, Inc., Minneapolis, Minn. Men's and boys' underwear and outer-shirts. Serial No. 484,538; Oct. 16. Class 39.
 Murphy, Mae B., Chicago, Ill. Dolls. Serial No. 485,879; Oct. 16. Class 22.
 Nobscot Mountain Spring Water Co.: See—
 Kayajan, Samuel.
 Ogus, Rabinovich & Ogus, Inc., New York, N. Y. Ladies' hats. Serial No. 483,627; Oct. 16. Class 39.
 Ohio Bowling and Billiard Supply Company, The, Cleveland, Ohio. Bowling alley and pin surface treating compounds. Serial No. 461,768; Oct. 16. Class 16.
 Onelda Ltd., Sherrill and Onelda, N. Y. Silver plated flat tableware. Serial No. 482,638; Oct. 16. Class 23.
 O'Neil, Arthur L., doing business as The Penguin Hair Tonic Co., Easton, Mass. Hair tonic. Serial No. 459,496; Oct. 16. Class 6.
 Onyx Oil & Chemical Company, Jersey City, N. J. Fungicide for agricultural use. Serial No. 484,854; Oct. 16. Class 6.
 Ott, Joe, Manufacturing Co., Chicago, Ill. Toy aircraft construction kits and parts thereof. Serial No. 465,633; Oct. 16. Class 22.
 Pandora Tobacco Co., Inc., Philadelphia, Pa. Cigars. Serial No. 470,862; Oct. 16. Class 17.
 Parents' Institute, Inc., The, New York, N. Y. Publication published quarterly. Serial No. 482,759; Oct. 16. Class 38.
 Peerless Electric Company, The, Warren, Ohio. Electric motors. Serial No. 481,904; Oct. 16. Class 21.

Penguin Hair Tonic Co., The: See—
 O'Neil, Arthur L.
 Physical and Chemical Corporation, Chicago, Ill. Catalytic addition agents. Serial No. 483,006; Oct. 16. Class 6.
 Physicians & Hospitals Supply Co., Inc., doing business as Ulmer Pharmaceutical Company, Minneapolis, Minn. Medical preparation. Serial Nos. 483,917-21; Oct. 16. Class 6.
 Pioneer Gen-E-Motor Corporation, Chicago, Ill. Hand and engine driven lawn mowers and parts thereof, garden tractors, etc. Serial No. 473,426; Oct. 16. Class 25.
 Pipes, Inc., New York, N. Y. Smoking pipes. Serial Nos. 484,459-61; Oct. 16. Class 8.
 Poslusny, Dr. John, Chicago, Ill. Visual test charts and visual reconditioning charts. Serial No. 484,903; Oct. 16. Class 26.
 Precision Specialties, Los Angeles, Calif. Compacts. Serial No. 483,341; Oct. 16. Class 2.
 Premier Automotive & Industrial Products Co., New York and Brooklyn, N. Y. Socket wrenches, drive extensions, hand tools, etc. Serial No. 481,243; Oct. 16. Class 23.
 Purity Dance Wax Company: See—
 Clayton, Harold E.
 Quality Art Novelty Co., Inc., Long Island City, N. Y. Greeting cards. Serial Nos. 483,586-6; Oct. 16. Class 38.
 Quality Products Co., Inc., New York, N. Y. Leather kits. Serial No. 477,373; Oct. 16. Class 3.
 Raybestos-Manhattan, Inc., Passaic, N. J. Felted asbestos web material. Serial No. 478,086; Oct. 16. Class 12.
 Raymond Laboratories, Inc., St. Paul, Minn. Shampoo and lotions. Serial No. 480,348; Oct. 16. Class 6.
 Refined Products Company, Lyndhurst, N. J. Soluble buffered chemical compound. Serial No. 475,461; Oct. 16. Class 6.
 Rockwell-Barnes Company, Chicago, Ill. Typewriter paper and file folders. Serial Nos. 484,592-3; Oct. 16. Class 37.
 Royal Tobacco Corporation, New York, N. Y. Cigarettes. Serial No. 484,975; Oct. 16. Class 17.
 Sayford, Frank M., Co. Inc., Brooklyn, N. Y. Paper cups. Serial No. 484,420; Oct. 16. Class 2.
 Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. Serial No. 486,121; Oct. 16. Class 44.
 Schuckl & Co., Inc., doing business as Sunnyvale Packing Company, Sunnyvale, Calif. Canned and glass packed fruits and vegetables and canned soups. Serial No. 459,177; Oct. 16. Class 46.
 Selas Corporation of America, Philadelphia, Pa. Fluid fuel burners and parts therefor. Serial Nos. 473,159-60; Oct. 16. Class 34.
 Shotwell Mfg. Co., The, Chicago, Ill. Candy bars. Serial No. 481,655; Oct. 16. Class 46.
 Société Anonyme pour l'Industrie de l'Aluminium (Aluminium-Industrie-Aktien-Gesellschaft), Chippis, Switzerland. Metal powder and metal grits. Serial No. 467,540; Oct. 16. Class 14.
 Solvay Process Company, The, New York, N. Y. Synthetic organic materials. Serial No. 484,915; Oct. 16. Class 6.
 Standard Machine & Manufacturing Co., St. Louis, Mo. Manual control valves and solenoid control valves, liquid and gas strainers and filters, etc. Serial No. 484,502; Oct. 16. Class 31.
 Stevens, John W., Sparkill, N. Y. Finger tape for all sports use. Serial No. 484,716; Oct. 16. Class 22.
 Sundour, Morton, Fabrics Limited, Dentonhill, Carlisle, England. Piece goods of cotton, wool, worsted, bed sheets, quilts, etc. Serial No. 464,925; Oct. 16. Class 42.
 Sunnyvale Packing Company: See—
 Schuckl & Co., Inc.
 Tally-ho Manufacturing Co., New York, N. Y. Convertible seats. Serial No. 481,810; Oct. 16. Class 32.
 Tectron, Incorporated, Providence, R. I. Negligees for women, men's shorts and men's robes. Serial No. 484,468; Oct. 16. Class 39.
 Troutman, I. C., Co.: See—
 Troutman, Ira C.
 Troutman, Ira C., doing business as I. C. Troutman Co., Bell Gardens, Calif. Garment formers, tumblers, puff sets, etc. Serial No. 485,038; Oct. 16. Class 24.
 Tryon, Edw. K., Company, Philadelphia, Pa. Artificial baits, baits and tackle boxes, etc. Serial No. 477,481; Oct. 16. Class 22.
 Twin City Shellac Co., Inc., Brooklyn, N. Y. Floor finishing materials. Serial No. 481,927; Oct. 16. Class 18.
 Ulmer Pharmaceutical Company: See—
 Physicians & Hospitals Supply Co., Inc.
 Unique Fibers, Inc., New York, N. Y. Yarn spun from mixtures of rayon and fur and rayon, fur, and wool. Serial No. 484,920; Oct. 16. Class 43.
 United Feature Syndicate, Inc., New York, N. Y. Comic drawings. Serial No. 485,971; Oct. 16. Class 38.
 United Thermo-Stable Corporation, New York, N. Y. Electrically heated pads and electrically heated blankets and electrically heated flying-suits. Serial No. 483,124; Oct. 16. Class 21.
 Vargish and Company, New York, N. Y. Plastic photograph frames. Serial No. 474,180; Oct. 16. Class 32.

LIST OF TRADE-MARK APPLICANTS

Veloce Limited, Hall Green, Birmingham, England. Motor cycles and parts thereof. Serial No. 481,812; Oct. 16. Class 19.
 WOR Program Service, Inc., doing business as WOR Recording Studios, New York, N. Y. Mechanically recorded sound records. Serial No. 475,553; Oct. 16. Class 36.
 WOR Recording Studios: See—
 WOR Program Service, Inc.
 W & W Fruit Company: See—
 Woodroof, W. D.
 Waterman, L. E., Company, New York, N. Y. Fountain pens, mechanical pencils, and parts thereof. Serial No. 485,110; Oct. 16. Class 37.

White, Ellen S., doing business as Steve Wilson Co., Jacksonville, Fla. Men's overcoats, suits, coats, etc. Serial No. 478,441; Oct. 16. Class 39.
 Wiener, Simon, Washington, D. C. Printed, embossed and engraved writing paper and envelopes. Serial No. 480,302; Oct. 16. Class 37.
 Wilson, Ludwig, Company, Chicago, Ill. Detergent and cleaning compounds. Serial No. 484,924; Oct. 16. Class 4.
 Wilson, Steve, Co.: See—
 White, Ellen S.
 Woodroof, W. D., doing business as W. & W. Fruit Company, Edinburg, Tex. Fresh tomatoes. Serial No. 460,489; Oct. 16. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Abeles Shirt Company, New York, N. Y. Men's and boys' dress and sport shirts. 417,210; Oct. 16; Serial No. 482,233; published Aug. 7, 1945. Class 39.
 Abshire, Harold W., St. Louis, Mo. Electric lamps and unitary combination sterilizing and advertising equipment. 417,232; Oct. 16; Serial No. 482,913; published July 31, 1945. Class 21.
 Adel Precision Products Corp., Burbank, Calif. Hydraulic unitary control apparatus. 417,063; Oct. 16; Serial No. 465,727; published Aug. 7, 1945. Class 23.
 Air-Tred Shoe Corp.: See—
 Ault-Williamson Shoe Co.
 Allen Property Custodian: See—
 Milhens & Kropff.
 Watkins, J. R., Company, The.
 Allied Laboratories, Inc., also doing business as Pitman-Moore Co., Indianapolis, Ind. Chemical compound. 417,220; Oct. 16; Serial No. 482,517; published Aug. 7, 1945. Class 6.
 American Aniline Products, Inc., New York, N. Y. Developers and textile dyeing assistants. 417,228; Oct. 16; Serial No. 482,723; published July 31, 1945. Class 6.
 American Caramel Company, New York, to The American Caramel Company, Lancaster, Pa. Candy. 205,755; renewed Nov. 17, 1945. O. G. Oct. 16. Class 46.
 American Cellulose & Chemical Manufacturing Company, Ltd., to Celanese Corporation of America, New York, N. Y. Men's half hose. 207,622; renewed Jan. 5, 1946. O. G. Oct. 16. Class 39.
 American Stationery Products, Chicago, Ill. Looseleaf binders and loose leaf binder inserts. 417,168; Oct. 16; Serial No. 480,812; published Aug. 7, 1945. Class 37.
 Ammonol Chemical Company, The, New York, N. Y. Antipyretic and analgesic medical preparation. 48,700; re-renewed Jan. 9, 1946. O. G. Oct. 16. Class 6.
 Anderson, Belle, Chicago, Ill. Stickers made of paper, place cards, paper napkins, etc. 417,076; Oct. 16; Serial No. 470,132; published Aug. 7, 1945. Class 37.
 Anglo-American Publishing Company Limited, Toronto, Ontario, Canada. Comic strip. 417,094; Oct. 16; Serial No. 473,174; published July 31, 1945. Class 38.
 Apollo Shirt Company, New York, N. Y. Dress shirts, sport shirts, blouses, etc. 417,192; Oct. 16; Serial No. 481,769; published Aug. 7, 1945. Class 39.
 Artfield Creations: See—
 Blake, Irene, Cosmetics, Inc.
 Auerbach Bath Robe Co.: See—
 Berger, Harry.
 Ault-Williamson Shoe Co., to Air-Tred Shoe Corp., Auburn, Maine. Boots and shoes. 203,367; renewed Sept. 15, 1945. O. G. Oct. 16. Class 39.
 Baar & Beards, Inc., New York, N. Y. Vestees and dickers. 417,078; Oct. 16; Serial No. 470,598; published Aug. 8, 1944. Class 39.
 Babcock & Wilcox Company, The, New York, N. Y. Boilers and their adjuncts. 44,808; re-renewed July 25, 1945. O. G. Oct. 16. Class 34.
 Babcock & Wilcox Company, The, New York, N. Y. Boilers and their adjuncts. 44,904; re-renewed July 25, 1945. O. G. Oct. 16. Class 34.
 Babcock & Wilcox Company, The, New York, N. Y. Boilers and their adjuncts. 44,905; re-renewed July 25, 1945. O. G. Oct. 16. Class 34.
 Bancroft, Joseph, & Sons Co., Wilmington, Del. Cotton goods in the piece. 417,190; Oct. 16; Serial No. 481,690; published July 17, 1945. Class 42.
 Barblon Corporation, The, New York, N. Y. Ladies' wearing apparel. 417,257; Oct. 16. Class 39.
 Bareco Oil Company, Tulsa, Okla. Petroleum products. 417,077; Oct. 16; Serial No. 470,171; published July 17, 1945. Class 15.
 Batanilux Corporation: See—
 Wrampelmeier, Ernest C., assignor.
 Bates Manufacturing Company, Lewiston, Maine. Bedspreads. 417,084; Oct. 16; Serial No. 471,847; published Dec. 12, 1944. Class 42.
 Bay State Optical Company: See—
 Bay State Optical Co.
 Bay State Optical Co., to Bay State Optical Company, Attleboro, Mass. Spectacles, eyeglasses, lorgnettes, and other similar articles. 27,100; re-renewed Oct. 1, 1945. O. G. Oct. 16. Class 26.

Belli, D. B., Inc., San Francisco, Calif. Pharmaceutical preparations. 417,137; Oct. 16; Serial No. 479,413; published July 31, 1945. Class 6.
 Belli, D. B., Inc., San Francisco, Calif. Ointment preparation. 417,138-9; Oct. 16; Serial Nos. 479,416-17; published July 31, 1945. Class 6.
 Belvedere Fabrics Inc., New York, N. Y. Rayon piece goods. 417,112; Oct. 16; Serial No. 477,052; published Mar. 20, 1945. Class 42.
 Bemis and Call Company: See—
 W-H-Keyless Lock Company, Limited.
 Benmar Manufacturing Company, The, Portland, Oreg. Sport clothing, including wind and water repellent clothing. 417,165; Oct. 16; Serial No. 480,730; published July 24, 1945. Class 39.
 Berger, Harry, Shirt Company: See—
 Berger, Harry.
 Berger, Harry, doing business as Harry Berger Shirt Company, to Auerbach Bath Robe Co., New York, N. Y. Men's and boys' collars, pyjamas, nightrobes, etc. 204,862; renewed Oct. 27, 1945. O. G. Oct. 16. Class 39.
 Beverage Distributors, Inc., doing business as Marlboro Beverage Company, San Francisco, Calif. Ginger ale. 417,236; Oct. 16; Serial No. 483,204; published July 24, 1945. Class 45.
 Bischoff, Ernst, Company, Incorporated, Ivoryton, Conn. Preparation in suppository form. 417,142; Oct. 16; Serial No. 479,549; published Aug. 7, 1945. Class 6.
 Blake, Irene, Cosmetics, Inc., doing business as Artfield Creations, New York, N. Y. Hair dressing, after shave lotion and after shave talc. 417,160; Oct. 16; Serial No. 480,558; published July 31, 1945. Class 6.
 Blake, Moffitt & Towne, San Francisco, Calif. Toilet paper, paper napkins, and paper towels. 205,919; renewed Nov. 17, 1945. O. G. Oct. 16. Class 37.
 Blake, Moffitt & Towne, San Francisco, Calif. Typewriter papers, manuscript covers, bond paper, etc. 207,684; renewed Jan. 5, 1946. O. G. Oct. 16. Class 37.
 Blue Bell, Inc., Greensboro, N. C. Overalls, jumpers, work jackets, etc. 417,163; Oct. 16; Serial No. 480,646; published July 31, 1945. Class 39.
 Blum, Milton C., Inc., New York, N. Y. Cotton and rayon piece goods. 417,153; Oct. 16; Serial No. 480,128; published July 24, 1945. Class 42.
 Blum Store, The, Philadelphia, Pa. Women's and misses' suits, coats, dresses, etc. 207,588; renewed Jan. 5, 1946. O. G. Oct. 16. Class 39.
 Borden Company, The: See—
 Merrell-Soule Company.
 Boyd Manufacturing Company, Inc., Birmingham, Ala. Hairdressing preparation. 417,062; Oct. 16; Serial No. 463,720; published May 30, 1944. Class 6.
 Briddel, Chas. D., Inc., Crisfield, Md. Machetes. 417,188; Oct. 16; Serial No. 481,662; published July 31, 1945. Class 23.
 Buckeye Paint & Varnish Company, The, Toledo, Ohio. Dry, paste, and ready-mixed paints, dry and oil colors, and varnishes. 206,948; renewed Dec. 15, 1945. O. G. Oct. 16. Class 16.
 Building Age Publishing Corporation, to Simmons-Boardman Publishing Corp., New York, N. Y. Monthly magazine. 201,139; renewed July 21, 1945. O. G. Oct. 16. Class 38.
 Bunton, Katherine F., doing business as The K. F. B. Laboratories, Manchester, N. H. Compound for the treatment of asthma. 417,177; Oct. 16; Serial No. 481,133; published Aug. 7, 1945. Class 6.
 Burnette, C. A., Macon, Ga. Salve. 417,193; Oct. 16; Serial No. 481,774; published Aug. 7, 1945. Class 6.
 Buttons Limited: See—
 Carlyle, Thomas and J. M.
 California Farm Products Company, Salinas, Calif. Fresh vegetables. 417,249; Oct. 16. Class 46.
 Carlyle, John M.: See—
 Carlyle, Thomas and J. M.
 Carlyle, Thomas, and John Mark Carlyle, to Buttons Limited, Birmingham, England. Metallic garment and house furnishings, jewelry and toilet articles, etc. 27,572; re-renewed Dec. 31, 1945. O. G. Oct. 16. Classes 13, 22, 23, 28, 40, and 44.

LIST OF REGISTRANTS OF TRADE-MARKS

Carnegie, Hattie, Inc., New York, N. Y. Face powder. 417,096; Oct. 16; Serial No. 473,409; published July 31, 1945. Class 6.

Carter, William, Company, The, Needham Heights, Mass. Garments. 417,204; Oct. 16; Serial No. 482,041; published July 24, 1945. Class 39.

Case, Jesse A., doing business as Rox-In-Ize, Brockton, to Rox-In-Ize Inc., Boston, Mass. Compound for treating sole leather and the soles and heels of boots and shoes. 201,530; renewed July 28, 1945. O. G. Oct. 16. Class 4.

Celanese Corporation of America: See—
American Cellulose & Chemical Manufacturing Company, Ltd.

Chappell Allen & Co., Limited, Bristol, England. Corsets. 203,355; renewed Sept. 15, 1945. O. G. Oct. 16. Class 39.

Chicago Thrift Company, Chicago, Ill. Banks. 200,890; renewed July 14, 1945. O. G. Oct. 16. Class 22.

Chicago Varnish Co., Chicago, Ill., to E. I. du Pont de Nemours and Company, Wilmington, Del. Varnishes, stains, japans, etc. 44,891; re-renewed July 25, 1945. O. G. Oct. 16. Class 16.

Chicago Varnish Co., Chicago, Ill., to E. I. du Pont de Nemours and Company, Wilmington, Del. Varnishes, stains, japans, etc. 44,893; re-renewed July 25, 1945. O. G. Oct. 16. Class 16.

Chicago Varnish Co., Chicago, Ill., to E. I. du Pont de Nemours and Company, Wilmington, Del. Varnishes, stains, japans, etc. 44,895; re-renewed July 25, 1945. O. G. Oct. 16. Class 16.

Clover Leaf Paint & Varnish Corporation: See—
Mayer & Loewenstein.

Cobblers, Inc., Los Angeles, Calif. Shoes and slippers. 417,103; Oct. 16; Serial No. 475,530; published July 24, 1945. Class 39.

Cohn, David, doing business as Main Street Trading Company, New York, N. Y. Lipstick, rouge, deodorant, etc. 417,170; Oct. 16; Serial No. 480,857; published Aug. 7, 1945. Class 6.

Cole, Rex, Inc., Long Island City, N. Y. Electrical amplifiers. 417,161; Oct. 16; Serial No. 480,562; published July 31, 1945. Class 21.

Columbia Mills, Inc., The, New York, N. Y. Shade roller pin setters and shade cloth pin pullers. 417,229; Oct. 16; Serial No. 482,734; published July 31, 1945. Class 25.

Columbian Steel Tank Company, Kansas City, Mo. Respirators. 217,268; Oct. 16. Class 44.

Commercial Refrigeration Service Co.: See—
De Spagna, William F.

Consolidated Film Industries, Inc., to Consolidated Film Industries, Inc., New York, N. Y. Motion picture films. 201,655; renewed Aug. 4, 1945. O. G. Oct. 16. Class 26.

Container Corporation of America, Chicago, Ill. Paper-board cartons and boxes. 417,256; Oct. 16. Class 2.

Cookware Associates, Bucyrus, Ohio. Ceramic cooking ware. 417,065; Oct. 16; Serial No. 466,607; published July 31, 1945. Class 30.

Co-Operative Wholesale Society, Limited, Manchester, England. Woolen piece goods. 205,226; renewed Nov. 3, 1945. O. G. Oct. 16. Class 42.

Cowen Bros., New York, N. Y. Wrist watch straps. 417,099; Oct. 16; Serial No. 474,583; published Dec. 5, 1944. Class 40.

Crane Packing Company, Chicago, Ill. Insoluble pipe joint plastic sealing compounds. 417,247; Oct. 16. Class 12.

Crest Fabrics Corp., New York, N. Y. Textile fabrics. 417,169; Oct. 16; Serial No. 480,816; published July 10, 1945. Class 42.

Croda Limited, Goole, England. Composition of solid alcohols and sterols prepared from wool grease. 417,057; Oct. 16; Serial No. 462,069; published Aug. 7, 1945. Class 6.

Crossen, Ken, doing business as Spark Publications, New York, N. Y. Periodicals and periodical magazines. 417,189; Oct. 16; Serial No. 481,664; published July 31, 1945. Class 38.

Crown Cork & Seal Company, Inc.: See—
Crown Cork and Seal Company of Baltimore City, The.

Crown Cork and Seal Company of Baltimore City, The, to Crown Cork & Seal Company, Inc., Baltimore, Md. Closures for receptacles. 207,810; renewed Jan. 12, 1946. O. G. Oct. 16. Class 50.

Crown Cork and Seal Company of Baltimore City, The, to Crown Cork & Seal Company, Inc., Baltimore, Md. Closures for receptacles. 207,815; renewed Jan. 12, 1946. O. G. Oct. 16. Class 50.

Danbury Novelty Co., Danbury, Conn. Children's and infants' playthings, wash suits, snowsuits, etc. 417,221; Oct. 16; Serial No. 482,524; published Aug. 7, 1945. Class 39.

Dawnwood Farms: See—
Long, Dorothy A.

De-Oxo-Lin Chemical Products: See—
Stuart, Jay W.

De Spagna, William F., doing business as Commercial Refrigeration Service Co., Brooklyn, N. Y. Refrigerators and parts thereof. 417,278; Oct. 16. Class 31.

Diamond Bottling Corporation, to Diamond Ginger Ale, Incorporated, Waterbury, Conn. Nonalcoholic, non-cereal, maltless beverages. 207,403-4; renewed Dec. 29, 1945. O. G. Oct. 16. Class 45.

Diversey Corporation, The, Chicago, Ill. Compound for sterilizing and treating water. 417,072; Oct. 16; Serial No. 460,386; published Aug. 7, 1945. Class 6.

Donnkenny Sportswear Company, New York, N. Y. Outer sport shirts, slacks, and windbreakers. 417,198; Oct. 16; Serial No. 481,889; published July 31, 1945. Class 39.

Drake Bakeries Incorporated, Brooklyn, N. Y. Cake and macaroons. 204,529; renewed Oct. 20, 1945. O. G. Oct. 16. Class 46.

Drevet Manufacturing Company, The, to The Charles Marchand Company, New York, N. Y. Remedy for dyspepsia, catarrh of the stomach, ulcers, etc. 44,707; re-renewed July 18, 1945. O. G. Oct. 16. Class 6.

Drevet Manufacturing Company, The, to The Charles Marchand Company, New York, N. Y. Remedy for the destruction of bacteria, microbes, and germs in the human system. 44,881; re-renewed July 25, 1945. O. G. Oct. 16. Class 6.

Drevet Manufacturing Company, The, to The Charles Marchand Company, New York, N. Y. Peroxide of hydrogen. 45,205; re-renewed Aug. 8, 1945. O. G. Oct. 16. Class 6.

Dubied, Edouard, & Cie, Société Anonyme, Couvet, near Neuchâtel, to Edouard Dubied & Cie, Société Anonyme, Couvet, Switzerland. Textile machines, needles for knitting machines, and parts of knitting machines. 207,760; renewed Jan. 12, 1946. O. G. Oct. 16. Class 23.

Dunhill, Alfred, Limited: See—
Dunhill, Alfred, of London, Inc.

Dunhill, Alfred, of London, Inc., New York, N. Y., to Alfred Dunhill Limited, London, England. Portable and pocket cigar and cigarette lighters. 203,732; renewed Sept. 22, 1945. O. G. Oct. 16. Class 34.

Du Pont, E. I., de Nemours and Company: See—
Chicago Varnish Co.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Pyroxylin thinners, knife compound (undercoating), floor varnish, etc. 204,396-7; renewed Oct. 20, 1945. O. G. Oct. 16. Class 16.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Lacquers, paint and pyroxylin enamels, and paint and pyroxylin finishes. 204,398-9; renewed Oct. 20, 1945. O. G. Oct. 16. Class 16.

Eagle Pencil Company: See—
Eagle Pencil Co.

Eagle Pencil Company, to Eagle Pencil Company, New York, N. Y. Pencil-sharpeners. 46,008; re-renewed Sept. 5, 1945. O. G. Oct. 16. Class 37.

Eagle Pencil Company, New York, N. Y. Penknives. 201,911; renewed Aug. 11, 1945. O. G. Oct. 16. Class 23.

Eagle Pencil Co. to Eagle Pencil Company, New York, N. Y. Lead-pencils. 46,095; re-renewed Sept. 5, 1945. O. G. Oct. 16. Class 37.

Eagle Pencil Company to Eagle Pencil Company, New York, N. Y. Lead-pencils. 46,097; re-renewed Sept. 5, 1945. O. G. Oct. 16. Class 37.

Eagle Pencil Company to Eagle Pencil Company, New York, N. Y. Fountain-pens. 46,099; re-renewed Sept. 5, 1945. O. G. Oct. 16. Class 37.

Eagle Pencil Company to Eagle Pencil Company, New York, N. Y. Rubber erasers. 46,100; re-renewed Sept. 5, 1945. O. G. Oct. 16. Class 37.

Eagle Pencil Company to Eagle Pencil Company, New York, N. Y. Penholders. 47,102; re-renewed Oct. 24, 1945. O. G. Oct. 16. Class 37.

Eagle Pencil Company, to Eagle Pencil Company, New York, N. Y. Lead-pencils. 48,097; re-renewed Dec. 12, 1945. O. G. Oct. 16. Class 37.

Eagle Pencil Company to Eagle Pencil Company, New York, N. Y. Lead-pencils. 48,099-100; re-renewed Dec. 12, 1945. O. G. Oct. 16. Class 37.

Eagle Pencil Company to Eagle Pencil Company, New York, N. Y. Lead-pencils. 48,102; re-renewed Dec. 12, 1945. O. G. Oct. 16. Class 37.

Earnshaw Knitting Company, Newton, Mass., now by change of name to The Vanta Company. Infants' and children's wash cloths, towels, bath blankets, etc. 417,140; Oct. 16; Serial No. 479,427; published July 17, 1945. Class 42.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic chemicals. 417,214; Oct. 16; Serial No. 482,365; published July 31, 1945. Class 6.

Eaton Manufacturing Company, Cleveland, Ohio. Thread inserts, nuts, screws, and bolts. 417,196; Oct. 16; Serial No. 481,837; published July 31, 1945. Class 13.

Edgar-Morgan Co., to Happy Mills, Memphis, Tenn. Feeds and foodstuffs for poultry, cattle, horses, etc. 207,031; renewed Dec. 15, 1945. O. G. Oct. 16. Class 46.

Engel, J., & Co., Inc.: See—
Sinnock & Sherrill.

Fairchild Brothers and Foster: See—
Hammer, Edwin H.

Fashion Park, Inc., Rochester, N. Y. Men's and boys' suits and overcoats. 417,217; Oct. 16; Serial No. 482,483; published July 31, 1945. Class 39.

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Federal Machine and Welder Company, Warren, Ohio. Clamp-type couplings. 417,118; Oct. 16; Serial No. 477,001; published July 31, 1945. Class 13.

Felins Tying Machine Company, Milwaukee, Wis. Vegetable bunch and package tying machine. 417,127; Oct. 16; Serial No. 478,271; published July 31, 1945. Class 23.

Field, Walter M., & Co.: See—
Mack, R. R.

Fischer, Phil, Chicago, Ill. Non-alcoholic, maltless beverages. 417,175; Oct. 16; Serial No. 481,062; published July 10, 1945. Class 45.

Forstmann & Huffman Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 202,519; renewed Aug. 25, 1945. O. G. Oct. 16. Class 42.

Forstmann & Huffman Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 202,535; renewed Aug. 25, 1945. O. G. Oct. 16. Class 42.

Forstmann Woolen Co.: See—
Forstmann & Huffman Company.

"42" Products, Ltd., doing business as Windsor House, Ltd., Los Angeles, Calif. Hair dressing preparation and after shave dressing preparation. 417,119; Oct. 16; Serial No. 477,691; published July 31, 1945. Class 6.

Futurity Thread Company, Newton, Mass. Thread. 417,251; Oct. 16. Class 43.

Garland, Robert M.: See—
Safety-Armorite Conduit Company.

General Distilleries Corporation, Hartford, Conn. Rum. 417,073; Oct. 16; Serial No. 469,538; published July 3, 1945. Class 49.

General Mills, Inc.: See—
Portland Flour Mills Co.

Gerald Corporation, doing business as Rocket Products Company, St. Louis, Mo. Toilet preparations. 417,111; Oct. 16; Serial No. 476,962; published Apr. 3, 1945. Class 6.

Gibbs & Company, Chicago, Ill. Facial make-up, lipstick, lin rouge, etc. 417,070; Oct. 16; Serial No. 468,604; published Aug. 7, 1945. Class 6.

Gilcrest Pharmaceutical Co.: See—
Miller, George J.

Glidden Company, The, Cleveland, Ohio. Varnishes, lacquers, wood fillers, etc. 206,022; renewed Nov. 24, 1945. O. G. Oct. 16. Class 16.

Glidden Company, The, Cleveland, Ohio. Dry, paste, and ready-mixed paints, primers, surfacers, etc. 206,352; renewed Dec. 1, 1945. O. G. Oct. 16. Class 16.

Globe Roofing Products Co., Inc., Whiting, Ind. Asphalt insulated siding. 417,253-4; Oct. 16. Class 12.

Gluck, Joseph, New York, N. Y. Rayon piece goods. 417,133; Oct. 16; Serial No. 479,070; published July 17, 1945. Class 42.

Graham Paper Company, St. Louis, Mo. Printing and writing paper. 202,147; renewed Aug. 18, 1945. O. G. Oct. 16. Class 37.

Graham Paper Company, St. Louis, Mo. Printing and writing paper. 205,241; renewed Nov. 3, 1945. O. G. Oct. 16. Class 37.

Gristede Bros, Inc., New York, N. Y. Canned vegetables. 417,270; Oct. 16. Class 46.

Hafner Associates, Inc., New York, N. Y. Textile fabrics in the piece. 417,162; Oct. 16; Serial No. 480,573; published July 31, 1945. Class 42.

Happy Mills: See—
Edgar-Morgan Co.

Hammer, Edwin H., to Fairchild Brothers and Foster, New York, N. Y. Medicinal restorative. 27,564; re-renewed Dec. 31, 1945. O. G. Oct. 16. Class 6.

Hawley & Hoops, New York, N. Y. Candy. 48,621; re-renewed Jan. 9, 1946. O. G. Oct. 16. Class 46.

Hawley & Hoops, New York, N. Y. Chewing candy. 207,985; renewed Jan. 12, 1946. O. G. Oct. 16. Class 46.

Hayes-Donahue Manufacturing Co., The: See—
Hayes-Meserole Manufacturing Co., Inc., The.

Hayes-Meserole Manufacturing Co., Inc., The, to The Hayes-Donahue Manufacturing Co., Milford, Conn. Pencil sharpeners. 205,316; renewed Nov. 3, 1945. O. G. Oct. 16. Class 37.

Heller Brothers Company, Newark, N. J. Files and rasps. 417,235; Oct. 16; Serial No. 483,110; published July 31, 1945. Class 23.

Heller Candy Co., Inc., New York, N. Y. Candy. 417,272; Oct. 16. Class 46.

Herbert Manufacturing Company, New York, N. Y. Piece goods. 417,082; Oct. 16; Serial No. 471,805; published July 17, 1945. Class 42.

Herbert, Herbert J., New York, N. Y. Plastic composition. 417,194; Oct. 16; Serial No. 481,788; published Aug. 7, 1945. Class 1.

Hillyard Chemical Company, St. Joseph, Mo. Liquid preservative in the nature of a wax coating or filler. 417,250; Oct. 16. Class 16.

Hirst, Frederick N., London, England. Piece goods of silk, rayon, metal threads, etc. 417,114; Oct. 16; Serial No. 477,195; published July 10, 1945. Class 42.

Hollywood-Maxwell Co., Los Angeles, Calif. Brassieres. 417,060; Oct. 16; Serial No. 463,459; published Dec. 26, 1944. Class 39.

Hornbacher Brewing Company, Allentown, Pa. Beer. 417,260; Oct. 16. Class 48.

Hornberger, Jay W.: See—
Hornberger, Melvin J.

Hornberger, Melvin J., to Jay Wilbur Hornberger, Youngstown, Ohio. Coal. 207,844; renewed Jan. 12, 1946. O. G. Oct. 16. Class 1.

Horney and Chapman Company, The: See—
Horney, Edward L.

Horney, Edward L., to The Horney and Chapman Company, Chillicothe, Ohio. Writing-pens. 45,397; re-renewed Aug. 15, 1945. O. G. Oct. 16. Class 37.

Horowitz & Son, Inc., New York, N. Y. Watches. 417,106; Oct. 16; Serial No. 476,102; published Aug. 7, 1945. Class 27.

Horse of Hawick, Brooklyn, N. Y. Shaving soap. 417,274; Oct. 16. Class 4.

Hudnut, Richard, New York, N. Y. Talcum powder, deodorant, cleansing cream and skin fastener. 417,097; Oct. 16; Serial No. 473,700; published Aug. 7, 1945. Class 6.

Hy-Je-No Company, Charlotte, N. C. Medicinal preparation. 417,205; Oct. 16; Serial No. 482,057; published July 31, 1945. Class 6.

Hytron Corporation, Salem, Mass. Radio receivers, radio tubes, radio amplifiers, etc. 417,085; Oct. 16; Serial No. 471,902; published July 31, 1945. Class 21.

Imperial Knife Company, Inc., Providence, R. I. Pocket knives. 417,154; Oct. 16; Serial No. 480,291; published July 31, 1945. Class 23.

Ingram Laboratories, Inc., San Francisco, Calif. Medicinal preparation. 417,092; Oct. 16; Serial No. 472,854; published Jan. 30, 1945. Class 6.

International Footwear Co., Inc., Brooklyn, N. Y. Footwear. 417,184; Oct. 16; Serial No. 481,477; published July 31, 1945. Class 39.

International Pulp Company, to International Talc Company, Inc., New York, N. Y. Pulp. 48,346; re-renewed Dec. 26, 1945. O. G. Oct. 16. Class 1.

International Pulverizing Corporation, Moorestown, N. J. Calomel and sulfathiazole medicaments. 417,109; Oct. 16; Serial No. 476,515; published Aug. 7, 1945. Class 6.

International Shoe Company, St. Louis, Mo. Boots and shoes. 417,120; Oct. 16; Serial No. 477,745; published May 15, 1945. Class 39.

International Shoe Company, St. Louis, Mo. Boots and shoes. 417,125; Oct. 16; Serial No. 478,219; published July 24, 1945. Class 39.

International Talc Company, Inc.: See—
International Pulp Company.

Iowa Canning Company, Vinton, Iowa. Canned vegetables and frozen fresh fruits and vegetables. 417,269; Oct. 16. Class 46.

Jacobs, E. H., Manufacturing Co., Inc., Danielson, Conn. Loom supplies. 417,089; Oct. 16; Serial No. 472,424; published Aug. 7, 1945. Class 23.

Jeanette Corset Shoppe, Long Beach, Calif. Brassieres. 417,146; Oct. 16; Serial No. 479,746; published July 24, 1945. Class 39.

Jenkins, Alfred B., New York, N. Y., and Boston, Mass., to Jenkins Bros., New York, N. Y., and Bridgeport, Conn. Valves and parts of valves. 46,196; re-renewed Sept. 12, 1945. O. G. Oct. 16. Class 13.

Jenkins, Alfred B., New York, N. Y., to Jenkins Bros., New York, N. Y., and Bridgeport, Conn. Valves and parts of valves. 47,333; re-renewed Oct. 31, 1945; O. G. Oct. 16. Class 13.

Jenkins, Alfred B., New York, N. Y., and Boston, Mass., to Jenkins Bros., New York, N. Y., and Bridgeport, Conn. Valves, and parts of valves, cocks, and parts of cocks. 47,390; re-renewed Oct. 31, 1945. O. G. Oct. 16. Class 13.

Jenkins Bros.: See—
Jenkins, Alfred B.

Joseph, Irving N., Chicago, Ill. Shoes, slippers, and boots. 417,134; Oct. 16; Serial No. 479,130; published Aug. 7, 1945. Class 39.

K. B. B. Laboratories, The: See—
Bunton, Katherine F.

Kann, S., Sons, Co., Washington, D. C. Hosiery. 207,222; renewed Dec. 22, 1945. O. G. Oct. 16. Class 39.

Kendall Company, The, Walpole, Mass. Roll holder and cutter. 417,093; Oct. 16; Serial No. 473,102; published Aug. 7, 1945. Class 23.

Kentucky Tobacco Product Co., The, to Tobacco By-Products and Chemical Corporation, Louisville, Ky. Nicotin solution and paper saturated therewith. 46,922; re-renewed Oct. 17, 1945. O. G. Oct. 16. Class 6.

Kovstone Varnish Company, Brooklyn, N. Y. Enamel. 207,346; renewed Dec. 29, 1945. O. G. Oct. 16. Class 16.

Kirk, James S., & Company, Chicago, Ill., to The Procter & Gamble Company, Cincinnati, Ohio. Soap powder. 206,188; renewed Nov. 24, 1945. O. G. Oct. 16. Class 4.

Kirk, James S., & Company, Chicago, Ill., to The Procter & Gamble Company, Cincinnati, Ohio. Soap. 206,984; renewed Dec. 15, 1945. O. G. Oct. 16. Class 4.

Kirsch-Blacher Company, Inc., New York, N. Y. Shoes. 417,075; Oct. 16; Serial No. 469,994; published July 24, 1945. Class 39.

Klein, Joseph M., New York, N. Y. Men's overcoats and topcoats, and suits. 417,101; Oct. 16; Serial No. 474,806; published July 31, 1945. Class 39.

Kohnstamm, H., & Co., Inc., New York, N. Y. Bluing. 417,164; Oct. 16; Serial No. 480,664; published Aug. 7, 1945. Class 6.

La Floreal Parfums: See—
Simon, Harry A.

LaFramboise, Godfrey J., Bay City, Mich. Card games. 202,255; renewed Aug. 18, 1945. O. G. Oct. 16. Class 22.

Lansdowne Distillery, The, Havre De Grace and Baltimore, Md. Whiskey, brandy, gin and liqueur. 417,131; Oct. 16; Serial No. 479,005; published July 31, 1945. Class 49.

Lavson, Nathan A., doing business as United Shoe Company, Philadelphia, Pa. Shoes. 417,150; Oct. 16; Serial No. 480,023; published July 31, 1945. Class 39.

Lavson, Nathan A., doing business as United Shoe Company, Philadelphia, Pa. Shoes. 417,151-2; Oct. 16; Serial Nos. 480,025-6; published July 31, 1945. Class 39.

Lawrence Converters Inc., New York, N. Y. Cotton sheets, pillow cases, wash cloths, etc. 417,129; Oct. 16; Serial No. 478,554; published July 10, 1945. Class 42.

Lee, Barbara, Chocolate Company, Boston, Mass. Candies and cakes, cookies, peanut butter sandwiches, and pretzels. 417,273; Oct. 16. Class 46.

Lee, Barbara, Chocolate Company, Boston, Mass. Candies, cakes, cookies, peanut butter sandwiches and pretzels. 417,277; Oct. 16. Class 46.

Legion Utensils Corporation, Long Island City, N. Y. Kitchen utensils. 417,108; Oct. 16; Serial No. 476,439; published July 31, 1945. Class 13.

Leroux & Co., Inc., Philadelphia, Pa. Creme de Menthe. 417,185; Oct. 16; Serial No. 481,480; published July 31, 1945. Class 49.

Liberty Hosiery Mills, Liberty, N. C. Hosiery. 417,186; Oct. 16; Serial No. 481,634; published July 31, 1945. Class 39.

Liberty Hosiery Mills, Liberty, N. C. Hosiery. 417,187; Oct. 16; Serial No. 481,637; published July 31, 1945. Class 39.

Lifton Manufacturing Company, The, New York, N. Y. Luggage. 207,487; renewed Jan. 5, 1946. O. G. Oct. 16. Class 3.

Linn Manufacturing Corporation, Norris, N. Y. Motor driven trucks. 417,166; Oct. 16; Serial No. 480,776; published July 31, 1945. Class 19.

Llewellyn Biological Institute, The, Los Angeles, Calif. Testicular and prostatic extract. 417,104; Oct. 16; Serial No. 476,069; published Aug. 7, 1945. Class 6.

Llewellyn Biological Institute, The, Los Angeles, Calif. Ovarian, testicular and prostatic extract. 417,105; Oct. 16; Serial No. 476,070; published Aug. 7, 1945. Class 6.

Long, Dorothy A., doing business as Dawnwood Farms, Amenla, N. Y. Veterinary preparations. 417,211; Oct. 16; Serial No. 482,251; published July 31, 1945. Class 6.

Los Angeles Soap Company, Los Angeles, Calif. Soap. 207,464; renewed Jan. 5, 1946. O. G. Oct. 16. Class 4.

Los Angeles Soap Company, Los Angeles, Calif. Soap. 207,630; renewed Jan. 5, 1946. O. G. Oct. 16. Class 4.

Lowell Manufacturing Co.: See—
Lowell Specialty Company.

Lowell Specialty Company, doing business as Lowell Manufacturing Co., Chicago, Ill. Sprayers and powder dusters. 417,279; Oct. 16. Class 23.

Ludlow Manufacturing & Sales Company: See—
Smith & Dove Manufacturing Co.

Lustberg, Naat & Co., Inc., New York, N. Y. Men's and boys' sport and dress shirts, lumberjacks, mackinaws, etc. 417,202; Oct. 16; Serial No. 482,001; published July 24, 1945. Class 39.

Maas, A. R., Chemical Co.: See—
Maas, Arthur R.

Maas, Arthur R., doing business as A. R. Maas Chemical Co., Los Angeles, to A. R. Maas Chemical Co., South Gate, Calif. Sodium hyposulphate; sodium carbonate, anhydrous; sodium carbonate, granular, etc. 207,552; renewed Jan. 5, 1946. O. G. Oct. 16. Class 6.

Maas & Waldstein Company, Newark, N. J. Coating compositions. 417,275; Oct. 16. Class 16.

Mack, R. R., doing business as Walter M. Field & Co., San Francisco, Calif. Canned fruits and canned vegetables. 417,262; Oct. 16. Class 46.

Mackay Radio and Telegraph Company Inc., New York, N. Y. Motor-generator apparatus and radio apparatus. 417,100; Oct. 16; Serial No. 474,614; published July 31, 1945. Class 21.

Madera Bonded Wine & Liqueur Company: See—
Steinbach, Samuel.

Main Street Trading Company: See—
Cohn, David.

Marchand, Charles, Company, The: See—
Drevet Manufacturing Company, The.

Marco Importing Co., Chicago, Ill. Wines. 417,071; Oct. 16; Serial No. 468,893; published July 17, 1945. Class 47.

Mariano Beauty Salon, The, New York, N. Y. Hair pomade and scalp ointment. 417,226; Oct. 16; Serial No. 482,683; published Aug. 7, 1945. Class 6.

Mariboro Beverage Company: See—
Beverage Distributors, Inc.

Marte, Arnold, New York, N. Y. Toilet water and perfume. 417,213; Oct. 16; Serial No. 482,385; published July 31, 1945. Class 6.

Maurer, Gustave, New York, N. Y. Preparation for slenderization. 417,227; Oct. 16; Serial No. 482,684; published July 31, 1945. Class 6.

Mayer & Loewenstein, New York, to Clover Leaf Paint & Varnish Corporation, Long Island City, N. Y. Varnishes, japans, oil-finish, etc. 46,556; re-renewed Sept. 26, 1945. O. G. Oct. 16. Class 16.

Mayer & Loewenstein, New York, to Clover Leaf Paint & Varnish Corporation, Long Island City, N. Y. Varnishes and japans. 47,077; re-renewed Oct. 24, 1945. O. G. Oct. 16. Class 16.

Mayer & Loewenstein, New York, to Clover Leaf Paint & Varnish Corporation, Long Island City, N. Y. Varnish. 47,078; re-renewed Oct. 24, 1945. O. G. Oct. 16. Class 16.

Mayer & Loewenstein, New York, to Clover Leaf Paint & Varnish Corporation, Long Island City, N. Y. Varnishes and japans. 48,179; re-renewed Dec. 12, 1945. O. G. Oct. 16. Class 16.

McTague Manufacturing Co., Toms River, N. J. Men's and boys' pajamas, sport shirts, dress shirts, etc. 417,258; Oct. 16. Class 39.

Meadtex Fabrics Co., The, New York, N. Y. Ladies' misses' and girls' dresses, slips, playsuits, etc. 417,259; Oct. 16. Class 39.

Merck & Co. Inc., Rahway, N. J. Medicinal preparation. 417,231; Oct. 16; Serial No. 482,885; published July 31, 1945. Class 6.

Merrell-Soule Company, Syracuse, to The Borden Company, New York, N. Y. Powdered milk product. 205,191; renewed Nov. 3, 1945. O. G. Oct. 16. Class 46.

Merrell-Soule Company, Syracuse, to The Borden Company, New York, N. Y. Powdered skimmed milk. 205,313; renewed Nov. 3, 1945. O. G. Oct. 16. Class 46.

Merrell-Soule Company, Syracuse, to The Borden Company, New York, N. Y. Nonalcoholic maltless fruit-julce powder. 205,354; renewed Nov. 3, 1945. O. G. Oct. 16. Class 45.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation for local application. 417,216; Oct. 16; Serial No. 482,433; published July 24, 1945. Class 6.

Meta Cine Company, Chattanooga, Tenn. Vitamin-mineral-iron compound. 417,230; Oct. 16; Serial No. 482,809; published July 31, 1945. Class 6.

Michaels, Stern & Company, Inc., Rochester, N. Y. Men's suits, vests, trousers, topcoats, and overcoats. 417,086; Oct. 16; Serial No. 472,075; published July 31, 1945. Class 39.

Miller, George J., doing business as Glycerest Pharmacal Co., Toledo, Ohio. Mouth wash. 417,126; Oct. 16; Serial No. 478,235; published July 31, 1945. Class 6.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Pressure-sensitive adhesive tape. 417,265; Oct. 16. Class 5.

Mooreville Cotton Mills, Mooreville, N. C. Rayon piece goods. 417,167; Oct. 16; Serial No. 480,782; published June 24, 1945. Class 42.

Morton Manufacturing Corporation, doing business as Snow White Products Company, Lynchburg, Va. Toilet soap. 417,276; Oct. 16. Class 4.

Mülhens & Kropff, New York, N. Y.; vested in the Alien Property Custodian, Washington, D. C. Toilet soap. 44,794; re-renewed July 25, 1945. O. G. Oct. 16. Class 4.

Mülhens & Kropff, New York, N. Y.; vested in Alien Property Custodian, Washington, D. C. Toilet soap. 44,821-2; re-renewed July 25, 1945. O. G. Oct. 16. Class 4.

Muskegon Machine Company: See—
Muskegon Machine Co.

Muskegon Machine Co., Muskegon, Mich., to Muskegon Machine Company, Newburgh, N. Y. Woodworking machines. 200,834; renewed July 14, 1945. O. G. Oct. 16. Class 23.

Nancy Ann Dressed Dolls, San Francisco, Calif. Dressed dolls. 417,245; Oct. 16. Class 22.

Nashua Manufacturing Company, Boston, Mass. Blankets made of wool, cotton, rayon, etc. 417,156; Oct. 16; Serial No. 480,422; published July 10, 1945. Class 42.

National Agrol Company, Washington, D. C. Medicinal chewing gum. 417,207; Oct. 16; Serial No. 482,213; published July 31, 1945. Class 6.

New York Knitting Mills, Inc., New York, N. Y. Knitted sweaters, knitted skirts, ladies' knitted dresses and suits. 417,222; Oct. 16; Serial No. 482,543; published Aug. 7, 1945. Class 39.

Norwich Pharmaceutical Company, The, Norwich, N. Y. Vaginal preparation. 417,240; Oct. 16; Serial No. 483,440; published Aug. 7, 1945. Class 6.

Nutrolactis Company, The, New York, N. Y. Tonic for nursing mothers. 48,705; re-renewed Jan. 9, 1946. O. G. Oct. 16. Class 6.

Old Colony Trust Company, administrators: See—
Quinn, William M.

Old Fashion Ma's Root Beer Bottling Company, Wilkes-Barre, Pa. Nonalcoholic, noncereal, maltless beverages. 417,147; Oct. 16; Serial No. 479,807; published July 24, 1945. Class 45.

Olmstead, Horatio C., doing business as Olmy's Chevy Chase Candles, Washington, D. C. Candy. 417,121; Oct. 16; Serial No. 477,855; published Aug. 7, 1945. Class 46.

Olmy's Chevy Chase Candles: See—
Olmstead, Horatio C.

Or-Bios Company, Jacksonville, Fla. Perfume, toilet water, face powder, and talcum. 206,648; renewed Dec. 8, 1945. O. G. Oct. 16. Class 6.

Osborn Manufacturing Company, The, Cleveland, Ohio. Rotary brushes, end brushes, and twisted stem brushes, etc. 417,141; Oct. 16; Serial No. 479,442; published July 31, 1945. Class 23.

Osborn Manufacturing Company, The, Cleveland, Ohio. Brushes used as machine accessories, wire brushes, rotary brushes, etc. 417,157; Oct. 16; Serial No. 480,424; published Aug. 7, 1945. Class 23.

Osborne & Co., Puerto de Santa Maria, Spain. Wines. 417,148; Oct. 16; Serial No. 479,895; published July 24, 1945. Class 47.

Owens-Corning Fiberglass Corporation, Toledo, Ohio. Sewing thread, and continuous filament and staple fiber yarns. 417,252; Oct. 16. Class 43.

Owenswood Products Co.: See—
Woodruff, Owen E.

P. H. D. Laboratory, Inc., New Orleans, La. Vitamin B-complex preparation. 417,178; Oct. 16; Serial No. 481,261; published Aug. 7, 1945. Class 6.

Page, Lester N., Chicago, Ill. Nonalcoholic beverages. 417,059; Oct. 16; Serial No. 462,777; published Dec. 14, 1943. Class 45.

Pan American Airways, Inc., New York, N. Y. Magazines, handbooks and the like. 417,241; Oct. 16; Serial No. 483,540; published July 31, 1945. Class 38.

Panda Frosty Foods, Los Angeles, Calif. Frozen fresh deciduous fruits, berries, and vegetables, etc. 417,255; Oct. 16. Class 46.

Parfums Charbert, Inc., New York, N. Y. Gentlemen's toiletries. 417,200; Oct. 16; Serial No. 481,957; published Aug. 7, 1945. Class 6.

Parke, Davis & Company, Detroit, Mich. Adhesive skin testing material. 417,208; Oct. 16; Serial No. 482,218; published July 31, 1945. Class 6.

Parker, Theodore G., Lewisburg, Pa. Chairs, dining room and dinette tables, etc. 417,248; Oct. 16. Class 32.

Paraffine Companies, Inc., The, San Francisco, Calif. Prepared roofing and a base sheet to be applied under composition roofing. 201,700; renewed Aug. 4, 1945. O. G. Oct. 16. Class 12.

Patch, Albert C., Topeka, Kans. Elastic collar clasps or holders. 417,130; Oct. 16; Serial No. 478,688; published July 31, 1945. Class 40.

Pennex Products Company, Pittsburgh, Pa. Wave set, brilliantine, rose hair oil and hair pomade. 417,064; Oct. 16; Serial No. 466,120; published July 31, 1945. Class 6.

Penthouse Foods Co.: See—
Penthouse Food Sales Co.

Penthouse Food Sales Co., also trading under the name Penthouse Foods Co., San Francisco, Calif. Food products. 417,234; Oct. 16; Serial No. 483,080; published July 31, 1945. Class 46.

Perfection Biscuit Company, Fort Wayne, Ind. Cooky cakes. 207,940; renewed Jan. 12, 1946. O. G. Oct. 16. Class 46.

Peschel Laboratory Products: See—
Peschel, Peter L.

Peschel, Peter L., doing business as Peschel Laboratory Products, Chicago, Ill. Laxative consisting of castor oil with milk of magnesia. 417,218; Oct. 16; Serial No. 482,504; published July 31, 1945. Class 6.

Peter Pan Foundations, Inc., New York, N. Y. Girdles and brassieres. 417,181; Oct. 16; Serial No. 481,424; published July 24, 1945. Class 39.

Petri Cigar Company, Inc., doing business as Petri Wine Company, San Francisco, Calif. Vermouth. 417,209; Oct. 16; Serial No. 482,220; published July 17, 1945. Class 47.

Petri Wine Company: See—
Petri Cigar Company, Inc.

Petrolite Corporation, Ltd., St. Louis, Mo. Chemical composition. 417,091; Oct. 16; Serial No. 472,785; published July 17, 1945. Class 6.

Pfeiffer, S. Mfg. Company, St. Louis, Mo. Medicinal preparation. 207,706; renewed Jan. 5, 1946. O. G. Oct. 16. Class 6.

Pillsbury Flour Mills Company, to Pillsbury Mills, Inc., Minneapolis, Minn. Flour made from wheat. 44,818; re-renewed July 25, 1945. O. G. Oct. 16. Class 46.

Pillsbury Mills, Inc.: See—
Pillsbury-Washburn Flour Mills Company, Ltd.

Pillsbury-Washburn Flour Mills Company, Ltd., to Pillsbury Mills, Inc., Minneapolis, Minn. Flour made from wheat. 44,818; re-renewed July 25, 1945. O. G. Oct. 16. Class 46.

Pillsbury-Washburn Flour Mills Company, Ltd., to Pillsbury Mills, Inc., Minneapolis, Minn. Flour made from wheat. 45,179-82; re-renewed Aug. 8, 1945. O. G. Oct. 16. Class 46.

Pillsbury-Washburn Flour Mills Company, Ltd., to Pillsbury Mills, Inc., Minneapolis, Minn. Flour made from wheat. 45,744; re-renewed Aug. 29, 1945. O. G. Oct. 16. Class 46.

Pillsbury-Washburn Flour Mills Company, Ltd., to Pillsbury Mills, Inc., Minneapolis, Minn. Flour made from wheat. 45,927; re-renewed Aug. 29, 1945. O. G. Oct. 16. Class 46.

Pillsbury-Washburn Flour Mills Company, Ltd., to Pillsbury Mills, Inc., Minneapolis, Minn. Flour. 47,236; re-renewed Oct. 31, 1945. O. G. Oct. 16. Class 46.

Pillsbury-Washburn Flour Mills Company, Ltd., to Pillsbury Mills, Inc., Minneapolis, Minn. Flour made from wheat. 47,530; re-renewed Nov. 7, 1945. O. G. Oct. 16. Class 46.

Pindych, Charles, Inc., New York, N. Y. Infants' sweaters, sunsuits, toddlers suits, etc. 417,135; Oct. 16; Serial No. 479,253; published July 31, 1945. Class 39.

Pitman-Moore Co.: See—
Allied Laboratories, Inc.

Plainer Limited, West Perth, Western Australia, Australia. Essential oils. 417,110; Oct. 16; Serial No. 476,781; published Aug. 7, 1945. Class 6.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Boys', girls' and infants' wear. 417,074; Oct. 16; Serial No. 469,912; published July 31, 1945. Class 39.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Boys', girls' and infants' wear. 417,079; Oct. 16; Serial No. 471,234; published July 31, 1945. Class 39.

Pollak, Henry, Inc., New York, N. Y. Hat bodies and hats for women and children. 417,149; Oct. 16; Serial No. 479,951; published Aug. 7, 1945. Class 39.

Poly-Clene Company, The, Elizabeth, N. J. Cleaning and polishing composition. 417,171; Oct. 16; Serial No. 480,024; published July 31, 1945. Class 4.

Porter & Wentz, Inc., Brownsville, Tex. Potatoes. 417,237; Oct. 16; Serial No. 483,280; published July 31, 1945. Class 46.

Porter & Wentz, Inc., Brownsville, Tex. Fresh tomatoes. 417,238; Oct. 16; Serial No. 483,282; published July 31, 1945. Class 46.

Porter & Wentz, Inc., Brownsville, Tex. Potatoes. 417,239; Oct. 16; Serial No. 483,283; published July 31, 1945. Class 16.

Portland Flour Mills Co., San Francisco, Calif., to General Mills, Inc., Minneapolis, Minn. Wheat flour. 205,083; renewed Nov. 3, 1945. O. G. Oct. 16. Class 46.

Princeville Canning Co.: See—
Truitt, Henry.

Princeville Canning Co., The: See—
Truitt, Henry.

Procter & Gamble Company, The: See—
Kirk, James S., & Company.

Procter & Gamble Company, The, Cincinnati, Ohio. Toilet powder. 417,219; Oct. 16; Serial No. 482,506; published July 31, 1945. Class 6.

Prudence System, The: See—
Smith, Virgil C.

Puritan Compressed Gas Corporation, Kansas City, Mo. Industrial gases. 417,144; Oct. 16; Serial No. 479,045; published July 31, 1945. Class 6.

Quaker Chemical Products Corporation, Conshohocken, Pa. Esters of oily or waxy nature or approaching such nature. 417,095; Oct. 16; Serial No. 478,335; published Feb. 27, 1945. Class 6.

Quinn, Margaret M.: See—
Quinn, William M.

Quinn, William M., to Margaret M. Quinn, Celia Spanierman, also known as Celia Spanierman, and Old Colony Trust Company, special administrators of the estate of William M. Quinn, deceased, Boston, Mass. Cravats and neckties. 205,663; renewed Nov. 10, 1945. O. G. Oct. 16. Class 39.

R. S. V. P. Inc., New York, N. Y. Letter writing paper, envelopes, and mailing devices. 417,233; Oct. 16; Serial No. 482,950; published Aug. 7, 1945. Class 37.

Radio Corporation of America, New York, N. Y. House organs, news letters, catalogues, etc. 417,179; Oct. 16; Serial No. 481,296; published June 19, 1945. Class 38.

Ragan Knitting Company, Thomasville, N. C. Boys' three-pound hosiery, misses' hosiery, and men's half hose. 198,144; renewed May 5, 1945. O. G. Oct. 16. Class 39.

Rambusch Decorating Company, New York, N. Y. Light intercepting ventilators. 417,087; Oct. 16; Serial No. 472,301; published July 31, 1945. Class 19.

Raylaine Worsted, Inc., Manchester, N. H. Piece goods fabrics. 417,067-8; Oct. 16; Serial Nos. 468,474-5; published July 31, 1945. Class 42.

Redwood Fibre Products Company, Inc., Santa Cruz, Calif. Redwood fiber. 417,058; Oct. 16; Serial No. 462,321; published Aug. 7, 1945. Class 1.

Redlands Select Groves: See—
Redlands Select Groves, Inc.

Redlands Select Groves, Inc., to Redlands Select Groves, Redlands, Calif. Fresh citrus fruits. 206,108; renewed Nov. 24, 1945. O. G. Oct. 16. Class 46.

Renwal Manufacturing Co., Inc., New York, N. Y. Plastic or metal corn holders, knives, grapefruit corers, etc. 417,145; Oct. 16; Serial No. 479,648; published July 31, 1945. Class 23.

Reserve Research Company, The, Cleveland, Ohio. Medicinal preparation. 417,116; Oct. 16; Serial No. 475,512; published Aug. 7, 1945. Class 6.

Reynolds Wire Co., Dixon, Ill. Wire screen-cloth. 417,172-3; Oct. 16; Serial Nos. 480,927-8; published July 31, 1945. Class 13.

Richman, J., & Company, New York, N. Y. Cotton and rayon textile goods in the piece and in cut lengths. 417,115; Oct. 16; Serial No. 477,529; published July 31, 1945. Class 42.

Richmont, Inc., Los Angeles, Calif. Torque wrenches. 417,158; Oct. 16; Serial No. 480,425; published July 31, 1945. Class 23.

Robinson, W. C., & Sons Co., Baltimore, Md. Lubricating oils for journals and cylinders. 47,509; re-renewed Nov. 7, 1945. O. G. Oct. 16. Class 15.

Rocket Products Company: See—
Gerald Corporation.

Rodda, R. E., Candy Company, The, York, to The R. E. Rodda Candy Company, Lancaster, Pa. Candy. 207,076; renewed Dec. 15, 1945. O. G. Oct. 16. Class 46.

Ronrico Corporation, San Juan, P. R., and Miami, Fla. Distilled alcoholic liquors. 417,056; Oct. 16; Serial No. 448,581; published July 17, 1945. Class 49.

Royal Hair Pin Corporation, New York, N. Y. Bob pins. 417,080; Oct. 16; Serial No. 471,490; published July 31, 1945. Class 40.

Roz-In-Ize: See—
Case, Jesse A.

Roz-In-Ize Inc.: See—
Case, Jesse A.

Ruberoid Co., The: See—
Standard Paint Company, The.

Safety-Armorite Conduit Company, Pittsburgh, to Robert M. Garland, New Castle, Pa. Coated pipes and tubes of electric conduits. 44,601; re-renewed July 18, 1945. O. G. Oct. 16. Class 21.

Safety-Armorite Conduit Company, Pittsburgh, to Robert M. Garland, New Castle, Pa. Coated pipes and tubes for electric conduits. 47,807; re-renewed Nov. 21, 1945. O. G. Oct. 16. Class 21.

Scheidt, Adam, Brewing Company, Norristown, Pa. Beer. 417,182; Oct. 16; Serial No. 481,436; published July 31, 1945. Class 48.

Scheidt, Adam, Brewing Company, Norristown, Pa. Beer. 417,183; Oct. 16; Serial No. 481,437; published July 3, 1945. Class 48.

Scheidt, Adam, Brewing Company, Norristown, Pa. Ale. 417,223; Oct. 16; Serial No. 842,550; published July 31, 1945. Class 48.

Scheidt, Adam, Brewing Company, Norristown, Pa. Beverage made of malt and cereals. 417,224; Oct. 16; Serial No. 482,552; published July 17, 1945. Class 48.

Scheinberg, Michael, Baldwin, N. Y. Cough mixtures. 206,735; renewed Dec. 8, 1945. O. G. Oct. 16. Class 6.

Schenley International Corporation, New York, N. Y. Rum, brandy, whiskey, etc. 417,102; Oct. 16; Serial No. 475,130; published July 17, 1945. Class 49.

Schiller-Dubrow, New York, N. Y. Housecoats, pajamas, nightgowns, etc. 417,203; Oct. 16; Serial No. 482,017; published Aug. 7, 1945. Class 39.

Schmidt & Ault Paper Co., York, Pa. Building paper, sheathing paper, and plaster board. 417,246; Oct. 16. Class 12.

Schutter Candy Company: See—
Schutter-Johnson Candy Co.

Schutter-Johnson Candy Co., to Schutter Candy Company, Chicago, Ill. Candy. 204,790; renewed Oct. 27, 1945. O. G. Oct. 16. Class 46.

Schutter-Johnson Candy Co., to Schutter Candy Company, Chicago, Ill. Cigars. 206,191; renewed Nov. 24, 1945. O. G. Oct. 16. Class 17.

Schwob Manufacturing Company, Columbus, Ga. Men's suits and clothing. 417,107; Oct. 16; Serial No. 476,405; published July 24, 1945. Class 39.

Seaman Paper Company, Chicago, Ill. Enamelled book paper. 205,936; renewed Nov. 17, 1945. O. G. Oct. 16. Class 37.

Selby, Battersby & Co., Philadelphia, Pa. Flooring composition, completed flooring, stucco composition, etc. 204,448-9; renewed Oct. 20, 1945. O. G. Oct. 16. Class 12.

Shippers Guide Company, The, Chicago, Ill. Monthly publication. 207,449; renewed Jan. 5, 1946. O. G. Oct. 16. Class 38.

Simon, Harry A., doing business as La Floreal Parfums, Hollywood, Calif. Perfumes and colognes. 417,225; Oct. 16; Serial No. 482,652; published Aug. 7, 1945. Class 6.

Simmons-Boardman Publishing Corp.: See—
Building Age Publishing Corporation.

Simplicity Engine and Manufacturing Company, to Simplicity Manufacturing Company, Fort Washington, Wis. Boring and grinding machines, boring tools, grinding tools, etc. 207,176; renewed Dec. 22, 1945. O. G. Oct. 16. Class 23.

Simplicity Manufacturing Company: See—
Simplicity Engine and Manufacturing Company.

Sincock & Sherrill, New York, N. Y., to J. Engel & Co., Inc., Baltimore, Md. Finger-rings. 44,936; re-renewed Aug. 1, 1945. O. G. Oct. 16. Class 28.

Smith & Dove Manufacturing Co., Andover, to Ludlow Manufacturing & Sales Company, Boston, Mass. Twine. 203,656; renewed Sept. 22, 1945. O. G. Oct. 16. Class 7.

Smith & Dove Manufacturing Co., Andover, to Ludlow Manufacturing & Sales Company, Boston, Mass. Twine. 203,660; renewed Sept. 22, 1945. O. G. Oct. 16. Class 7.

Smith and Wesson Inc., Springfield, Mass. Revolvers and pistols. 207,951; renewed Jan. 12, 1946. O. G. Oct. 16. Class 9.

Smith, Benjamin D., doing business as Smith Manufacturing Company, Utica, N. Y. Insecticides. 417,117; Oct. 16; Serial No. 475,999; published July 31, 1945. Class 6.

Smith Manufacturing Company: See—
Smith, Benjamin D.

Smith, Virgil C., doing business as The Prudence System, San Francisco, Calif. Women's second hand dresses. 417,266; Oct. 16. Class 39.

Sni-Dor Radioelectric Limited, Montreal, Quebec, Canada. Extension speakers. 417,159; Oct. 16; Serial No. 480,529; published July 31, 1945. Class 21.

Snow White Products Company: See—
Morton Manufacturing Corporation.

Socleto Anonyme Mido, Bienne, Switzerland. Watch cases, watches, chronometers, etc. 417,244; Oct. 16. Class 27.

Spanierman, Celia: See—
Quinn, William M.

Spaniman, Celia: See—
Quinn, William M.

Spark Publications: See—
Crossen, Ken.

Spencer-Adams Paint Company, Atlanta, Ga. Quick-drying paint enamel. 417,261; Oct. 16. Class 16.

Spiegel, Inc., Chicago, Ill. Ladies' hosiery. 417,206; Oct. 16; Serial No. 482,124; published July 24, 1945. Class 39.

Spiella Company, The, Meadville, Pa., to The Spiella Company Incorporated, Niagara Falls, N. Y. Stays. 47,170; renewed Oct. 31, 1945. O. G. Oct. 16. Class 40.

Spiella Company Incorporated, The: See—
Spiella Company, The.

Standard Brands Incorporated, New York, N. Y. Irradiated dry yeast. 417,199; Oct. 16; Serial No. 481,922; published July 31, 1945. Class 6.

Standard Paint Company, The, New York, N. Y., to The Ruberoid Co., Bound Brook, N. J., and New York, N. Y. Papers prepared with moisture-resistance substance. 48,742; re-renewed Jan. 9, 1946. O. G. Oct. 16. Class 12.

Steinbach, Samuel, doing business as Madera Bonded Wine & Liquor Company, Baltimore, Md. Vermouths, champagnes, and other wines. 417,090; Oct. 16; Serial No. 472,470; published July 3, 1945. Class 47.

Stenor Incorporated, Stamford, Conn. Vulcanizing machine. 417,176; Oct. 16; Serial No. 481,087; published July 31, 1945. Class 23.

Stuart, Jay W., doing business as De-Oxo-Lin Chemical Products, Los Angeles, Calif. Chemical preparation having fireproofing and fire-retarding properties. 417,132; Oct. 16; Serial No. 479,054; published July 31, 1945. Class 6.

Supplee-Biddle Company: See—
Supplee-Biddle Hardware Company.

Supplee-Biddle Hardware Company, to Supplee-Biddle Company, Philadelphia, Pa. Coaster wagons. 201,512; renewed July 28, 1945. O. G. Oct. 16. Class 22.

Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Aqueous liquids containing glycerine. 417,061; Oct. 16; Serial No. 463,589; published July 31, 1945. Class 6.

Takamine Laboratory, Inc., Clifton, N. J. Malt beverage. 206,381; renewed Dec. 1, 1945. O. G. Oct. 16. Class 48.

Talmage, David, Brooklyn and New York, N. Y., to David Talmage, Daytona Beach, Fla. Manually-operated chord-playing mechanism for pianos, organs and like musical instruments. 207,001; renewed Dec. 15, 1945. O. G. Oct. 16. Class 36.

Tayton Company, The, Chicago, Ill. Lipsticks. 417,212; Oct. 16; Serial No. 482,263; published July 31, 1945. Class 6.

Tennessee Stove Works, Chattanooga, Tenn. Cooking stoves and ranges. 207,784; renewed Jan. 12, 1946. O. G. Oct. 16. Class 34.

Terhune, Verance & Wolf, Inc., New York, N. Y. Woolen and worsted fabrics in the piece. 417,201; Oct. 16; Serial No. 481,964; published July 31, 1945. Class 42.

Testager & Co., Inc., Detroit, Mich. Vitamin products. 417,122; Oct. 16; Serial No. 477,901; published Aug. 7, 1945. Class 6.

Testager & Co., Inc., Detroit, Mich. Medicinal preparation. 417,123; Oct. 16; Serial No. 477,902; published Aug. 7, 1945. Class 6.

Theonett & Co., Chicago, Ill. Nonalcoholic, noncereal, maltless beverages and flavored syrups and extracts for making the same. 207,517; renewed Jan. 5, 1946. O. G. Oct. 16. Class 45.

Tobacco By-Products and Chemical Corporation: See—
Kentucky Tobacco Product Co., The.

Traver Corporation, Chicago, Ill. Merchandise bags and merchandise envelopes. 417,267; Oct. 16. Class 2.

Truitt, Henry, doing business as The Princeville Canning Co., to Princeville Canning Co., Princeville, Ill. Canned vegetables. 206,905; renewed Dec. 15, 1945. O. G. Oct. 16. Class 46.

Tryon, Edw. K., Company, Philadelphia, Pa. Fishing rods, fishing reels, artificial fish baits, etc. 417,263-4; Oct. 16. Class 22.

Tucker General Sales Agency, Seattle, Wash. Bacterial inhibitor in powdered form. 417,174; Oct. 16; Serial No. 481,035; published Aug. 7, 1945. Class 6.

Turco Products, Inc., Los Angeles, Calif. Chemical preparations. 417,081; Oct. 16; Serial No. 471,501; published Aug. 7, 1945. Class 6.

Uhrenfabrik Biren Aktiengesellschaft (Buren Watch Company S. A.), Biren A/A, Switzerland. Watches and parts thereof. 417,243; Oct. 16. Class 27.

Underhill, G. W., doing business as G. W. Underhill & Co., Kansas City, Mo. Liquid adhesive cement. 417,271; Oct. 16. Class 5.

Underhill, G. W., & Co.: See—
Underhill, G. W.

Undertakers' Supply Company, The, Chicago, Ill. Embalming fluid. 204,288; renewed Oct. 13, 1945. O. G. Oct. 16. Class 6.

Undertakers' Supply Company, The, Chicago, Ill. Pre-injection compound used in embalming. 204,289; renewed Oct. 13, 1945. O. G. Oct. 16. Class 6.

Undertakers' Supply Company, The, Chicago, Ill. Embalming fluid. 204,290; renewed Oct. 13, 1945. O. G. Oct. 16. Class 6.

United-Carr Fastener Corporation, Cambridge, Mass. Stamped sheet metal fasteners. 417,124; Oct. 16; Serial No. 478,301; published Aug. 7, 1945. Class 13.

United Mills, Mount Gilead, N. C. Slips for women and misses. 417,195; Oct. 16; Serial No. 481,811; published July 24, 1945. Class 39.

United Shoe Company: See—
Larson, Nathan A.

United Shoe Machinery Corporation: See—
Whitcher, Frank W.

United States Time Corporation, The, Waterbury, Conn. Clocks and watches. 417,113; Oct. 16; Serial No. 477,169; published Aug. 7, 1945. Class 27.

Val-Le-Will Farms, Inc., Evanston, Ill. Alive and dressed poultry and eggs. 417,069; Oct. 16; Serial No. 468,482; published July 31, 1945. Class 46.

Vanderwall Dried Foods Company: See—
Vanderwall, M. A.

Vanderwall, M. A., doing business as Vanderwall Dried Foods Company, Firth, Ohio. Potato pancake mix. 417,242; Oct. 16; Serial No. 483,880; published July 31, 1945. Class 46.

Vania Company, The: See—
Earnshaw Knitting Company.

Victor Manufacturing & Gasket Company, Chicago, Ill. Gaskets. 202,731; renewed Sept. 1, 1945. O. G. Oct. 16. Class 35.

Village Winery, Inc., Escalon, Calif. Wines. 417,180; Oct. 16; Serial No. 481,391; published July 3, 1945. Class 47.

Vola-Vin Medicine Co.: See—
Wrampelmeyer, Ernest C.

W.H-Keyless Lock Company, Limited, Honolulu, Hawaii, and Hartford, Conn., to Bemis and Call Company, Springfield, Mass. Locks. 207,604; renewed Jan. 5, 1946. O. G. Oct. 16. Class 25.

Wallace Laboratories, New Brunswick, N. J. Pharmaceutical ointment. 417,215; Oct. 16; Serial No. 482,405; published July 31, 1945. Class 6.

Walther, John, Fabrics, Inc., New York, N. Y. Woolen and worsted fabrics in the piece. 417,136; Oct. 16; Serial No. 479,318; published July 17, 1945. Class 42.

Watkins, J. R., Company, The, Winona, Minn.; vested in the Allen Property Custodian, Washington, D. C. Brown skin face powder, complexion powder, deodorant powder, etc. 200,685; renewed July 7, 1945. O. G. Oct. 16. Class 6.

Weathercraft Company, New York, N. Y. Raincoats for women and girls. 417,128; Oct. 16; Serial No. 478,527; published Aug. 7, 1945. Class 39.

Weta Watch Co., Ltd., Bienne, Switzerland. Watches. 417,158; Oct. 16; Serial No. 480,362; published Aug. 7, 1945. Class 27.

Wheeling Steel Corporation, Wheeling, W. Va. Iron and steel sheets and plates. 206,472; renewed Dec. 1, 1945. O. G. Oct. 16. Class 14.

Whitcher, Frank W., Boston, Mass., to United Shoe Machinery Corporation, Boston, Mass., and Flemington, N. J. Pincers and pincer-hammers. 47,209; re-renewed Oct. 31, 1945. O. G. Oct. 16. Class 23.

Wilets, Mrs. E.: See—
Wilets, Sopha.

Wilets, Sopha, doing business under the name Mrs. E. Wilets, Burlington, Wis. Face cream. 417,088; Oct. 16; Serial No. 472,348; published Aug. 7, 1945. Class 6.

Windsor House, Ltd.: See—
"42" Products, Ltd.

Woodruff, Owen E., doing business under the name of Owenswood Products Co., Buffalo, N. Y. Throat pastilles. 417,143; Oct. 16; Serial No. 479,609; published Aug. 7, 1945. Class 6.

Wrampelmeyer, Ernest C., doing business as Vola-Vin Medicine Co., assignor to Batanilax Corporation, Knoxville, Tenn. Laxative medicinal compound. 417,066; Oct. 16; Serial No. 468,130; published July 31, 1945. Class 6.

Wullschlegel & Co., New York, N. Y. Fabrics in the piece. 417,083; Oct. 16; Serial No. 471,725; published July 17, 1945. Class 42.

Wullschlegel & Co., New York, N. Y. Rayon piece goods. 417,098; Oct. 16; Serial No. 473,971; published July 17, 1945. Class 42.

Zohn, Harry, doing business as Zohn Textile Co., New York, N. Y. Sheets and pillow cases. 417,191; Oct. 16; Serial No. 481,731; published July 17, 1945. Class 42.

Zohn Textile Co.: See—
Zohn, Harry.

Zuckerman, Ed., Co.: See—
Zuckerman, Samuel E.

Zuckerman, Samuel E., doing business as Ed. Zuckerman Co., New York, N. Y. Ladies' and misses' coats and suits. 417,197; Oct. 16; Serial No. 481,872; published July 24, 1945. Class 39.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. M. J. Hornberger. 207,844; renewed Jan. 12, 1946. O. G. Oct. 16.

Fiber. Redwood. Redwood Fibre Products Company, Inc. 417,058; Oct. 16; Serial No. 462,321; published Aug. 7, 1945.

Plastic composition. H. J. Heribert. 417,194; Oct. 16; Serial No. 481,788; published Aug. 7, 1945.

Pulp. International Pulp Company. 48,346; re-renewed Dec. 26, 1945. O. G. Oct. 16.

CLASS 2

Bags and merchandise envelopes, Merchandise. Traver Corporation. 417,267; Oct. 16.

Cartons and boxes, Paperboard. Contalner Corporation of America. 417,256; Oct. 16.

CLASS 3

Luggage. Lifton Manufacturing Company. 207,487; renewed Jan. 5, 1946. O. G. Oct. 16.

CLASS 4

Cleaning and polishing composition. Poly-Clene Company. 417,171; Oct. 16; Serial No. 480,924; published July 31, 1945.

Compound for treating sole leather and the soles and heels of boots and shoes. J. A. Case. 201,539; renewed July 28, 1945. O. G. Oct. 16.

Soap. James S. Kirk & Company. 206,984; renewed Dec. 15, 1945. O. G. Oct. 16.

Soap. Los Angeles Soap Company. 207,464; renewed Jan. 5, 1946. O. G. Oct. 16.

Soap. Los Angeles Soap Company. 207,630; renewed Jan. 5, 1946. O. G. Oct. 16.

Soap powder. James S. Kirk & Company. 206,188; renewed Nov. 24, 1945. O. G. Oct. 16.

Soap, Shaving. House of Hawick. 417,274; Oct. 16.

Soap, Toilet. Morton Manufacturing Corporation. 417,276; Oct. 16.

Soap, Toilet. Mühlens & Kropff. 44,794; re-renewed July 25, 1945. O. G. Oct. 16.

Soap, Toilet. Mühlens & Kropff. 44,821-2; re-renewed July 25, 1945. O. G. Oct. 16.

CLASS 5

Cement. Liquid adhesive. G. W. Underhill. 417,271; Oct. 16.

Tape, Pressure-sensitive adhesive. Minnesota Mining & Manufacturing Company. 417,265; Oct. 16.

CLASS 6

Adhesive skin testing material. Parke, Davis & Company. 417,208; Oct. 16; Serial No. 482,218; published July 31, 1945.

Antipyretic and analgesic medical preparation. Ammonol Chemical Company. 48,700. re-renewed Jan. 9, 1946. O. G. Oct. 16.

Aqueous liquids containing glycerine. Sylvania Industrial Corporation. 417,061; Oct. 16; Serial No. 463,589; published July 31, 1945.

Bacterial inhibitor in powdered form. Tucker General Sales Agency. 417,174; Oct. 16; Serial No. 481,035; published Aug. 7, 1945.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Bluing. H. Kohnstamm & Co., Inc. 417,164; Oct. 16; Serial No. 480,644; published Aug. 7, 1945.
Calomel and sulfathiazole medicaments. International Pulverizing Corporation. 417,109; Oct. 16; Serial No. 476,515; published Aug. 7, 1945.
Chemical composition. Petrolite Corporation, Ltd. 417,091; Oct. 16; Serial No. 472,785; published July 17, 1945.
Chemical compound. Allied Laboratories, Inc. 417,220; Oct. 16; Serial No. 482,517; published Aug. 7, 1945.
Chemical preparation having fireproofing and fire-retarding properties. J. W. Stuart. 417,132; Oct. 16; Serial No. 479,054; published July 31, 1945.
Chemical preparations. Turco Products, Inc. 417,081; Oct. 16; Serial No. 471,501; published Aug. 7, 1945.
Composition of solid alcohols and sterols prepared from wool grease. Croda Limited. 417,057; Oct. 16; Serial No. 462,069; published Aug. 7, 1945.
Compound for sterilizing and treating water. Diversy Corporation. 417,072; Oct. 16; Serial No. 469,386; published Aug. 7, 1945.
Compound for the treatment of asthma. K. F. Bunton. 417,177; Oct. 16; Serial No. 481,133; published Aug. 7, 1945.
Cough mixtures. M. Scheinberg. 206,735; renewed Dec. 8, 1945. O. G. Oct. 16.
Cream, Face. S. Willets. 417,088; Oct. 16; Serial No. 472,348; published Aug. 7, 1945.
Developers and textile dyeing assistants. American Aniline Products, Inc. 417,228; Oct. 16; Serial No. 482,723; published July 31, 1945.
Embalming fluid. Undertakers' Supply Company. 204,288; renewed Oct. 13, 1945. O. G. Oct. 16.
Embalming fluid. Undertakers' Supply Company. 204,290; renewed Oct. 13, 1945. O. G. Oct. 16.
Esters of oily or waxy nature or approaching such nature. Quaker Chemical Products Corporation. 417,095; Oct. 16; Serial No. 473,335; published Feb. 27, 1945.
Extract, Ovarian, testicular, and prostatic. Llewellyn Biological Institute. 417,105; Oct. 16; Serial No. 476,070; published Aug. 7, 1945.
Extract, Testicular and prostatic. Llewellyn Biological Institute. 417,104; Oct. 16; Serial No. 476,069; published Aug. 7, 1945.
Gases, Industrial. Puritan Compressed Gas Corporation. 417,144; Oct. 16; Serial No. 479,645; published July 31, 1945.
Hair dressing, after shave lotion, and after shave talc. Irene Blake Cosmetics, Inc. 417,160; Oct. 16; Serial No. 480,558; published July 31, 1945.
Hair dressing preparation. Boyd Manufacturing Company. 417,062; Oct. 16; Serial No. 463,720; published May 30, 1944.
Hair dressing preparation and after shave dressing preparation. "42" Products, Ltd. 417,119; Oct. 16; Serial No. 477,691; published July 31, 1945.
Hair pomade and scalp ointment. Mariano Beauty Salon. 417,226; Oct. 16; Serial No. 482,683; published Aug. 7, 1945.
Insecticides. B. D. Smith. 417,117; Oct. 16; Serial No. 475,999; published July 31, 1945.
Laxative consisting of castor oil with milk of magnesia. P. L. Peschel. 417,218; Oct. 16; Serial No. 482,504; published July 31, 1945.
Laxative medicinal compound. E. C. Wrampelmeier. 417,066; Oct. 16; Serial No. 468,130; published July 31, 1945.
Lipstick, rouge, deodorant, etc. D. Cohn. 417,170; Oct. 16; Serial No. 480,857; published Aug. 7, 1945.
Lipsticks. Tayton Company. 417,212; Oct. 16; Serial No. 482,263; published July 31, 1945.
Make-up, lipstick, lip rouge, etc. Facial. Gibbs & Company. 417,070; Oct. 16; Serial No. 468,604; published Aug. 7, 1945.
Medicinal chewing gum. National Agrol Company. 417,207; Oct. 16; Serial No. 482,213; published July 31, 1945.
Medicinal preparation. Hy-Je-No Company. 417,205; Oct. 16; Serial No. 482,057; published July 31, 1945.
Medicinal preparation. Ingram Laboratories, Inc. 417,092; Oct. 16; Serial No. 472,854; published Jan. 30, 1945.
Medicinal preparation. Merck & Co., Inc. 417,231; Oct. 16; Serial No. 482,885; published July 31, 1945.
Medicinal preparation. S. Pfeiffer Mfg. Company. 207,706; renewed Jan. 5, 1946. O. G. Oct. 16.
Medicinal preparation. Reserve Research Company. 417,116; Oct. 16; Serial No. 475,512; published Aug. 7, 1945.
Medicinal preparation. Testagar & Co., Inc. 417,123; Oct. 16; Serial No. 477,902; published Aug. 7, 1945.
Medicinal restorative. E. H. Hammer. 27,564; renewed Dec. 31, 1945. O. G. Oct. 16.
Month wash. G. J. Miller. 417,126; Oct. 16; Serial No. 478,235; published July 31, 1945.
Nicotin solution and paper saturated therewith. Kentucky Tobacco Product Co. 46,922; re-renewed Oct. 17, 1945. O. G. Oct. 16.
Oils, Essential. Plaimar Limited. 417,110; Oct. 16; Serial No. 476,781; published Aug. 7, 1945.
Ointment, Pharmaceutical. Wallace Laboratories. 417,215; Oct. 16; Serial No. 482,405; published July 31, 1945.

Ointment preparation. D. B. Belli, Inc. 417,138-9; Oct. 16; Serial Nos. 470,416-17; published July 31, 1945.
Perfume, toilet water, face powder, and talcum. Or-Blos Company. 206,648; renewed Dec. 8, 1945. O. G. Oct. 16.
Perfumes and colognes. H. A. Simon. 417,225; Oct. 16; Serial No. 482,052; published Aug. 7, 1945.
Peroxide of hydrogen. Drevet Manufacturing Company. 45,205; re-renewed Aug. 8, 1945. O. G. Oct. 16.
Pharmaceutical preparations. D. B. Belli, Inc. 417,137; Oct. 16; Serial No. 479,413; published July 31, 1945.
Photographic chemicals. Eastman Kodak Company. 417,214; Oct. 16; Serial No. 482,365; published July 31, 1945.
Powder, complexion powder, deodorant powder, Brown skin face. J. R. Watkins Company. 200,685; renewed July 7, 1945. O. G. Oct. 16.
Powder, deodorant, cleansing cream and skin freshener. Talcum. R. Hudnut. 417,097; Oct. 16; Serial No. 473,700; published Aug. 7, 1945.
Powder, Face. Hattie Carnegie, Inc. 417,096; Oct. 16; Serial No. 473,409; published July 31, 1945.
Powder, Toilet. Procter & Gamble Company. 417,219; Oct. 16; Serial No. 482,506; published July 31, 1945.
Preinjection compound used in embalming. Undertakers' Supply Company. 204,289; renewed Oct. 13, 1945. O. G. Oct. 16.
Preparation for local application. Wm. S. Merrill Company. 417,216; Oct. 16; Serial No. 482,433; published July 24, 1945.
Preparation for slenderization. G. Maurer. 417,227; Oct. 16; Serial No. 482,684; published July 31, 1945.
Preparation in suppository form. E. Bischoff. 417,142; Oct. 16; Serial No. 479,549; published July 31, 1945.
Remedy for dyspepsia, catarrh of the stomach, ulcers, etc. Drevet Manufacturing Company. 44,707; re-renewed July 18, 1945. O. G. Oct. 16.
Remedy for the destruction of bacteria microbes, and germs in the human system. Drevet Manufacturing Company. 44,881; re-renewed July 25, 1945. O. G. Oct. 16.
Salve. C. A. Burnette. 417,193; Oct. 16; Serial No. 481,774; published Aug. 7, 1945.
Sodium hyposulphate; sodium carbonate, anhydrous; sodium carbonate, granular; etc. A. R. Maas. 207,552; renewed Jan. 5, 1946. O. G. Oct. 16.
Throat pastilles. O. E. Woodruff. 417,143; Oct. 16; Serial No. 479,600; published Aug. 7, 1945.
Toilet preparations. Gerald Corporation. 417,111; Oct. 16; Serial No. 476,962; published Apr. 3, 1945.
Toilet water and perfume. A. Marté. 417,213; Oct. 16; Serial No. 482,335; published July 31, 1945.
Toiletries, Gentlemen's. Parfums Charbert, Inc. 417,200; Oct. 16; Serial No. 481,957; published Aug. 7, 1945.
Tonic for nursing mothers. Natrolactis Company. 48,705; re-renewed Jan. 9, 1946. O. G. Oct. 16.
Vaginal preparation. Norwich Pharmaceutical Company. 417,240; Oct. 16; Serial No. 483,440; published Aug. 7, 1945.
Veterinary preparations. D. A. Long. 417,211; Oct. 16; Serial No. 482,251; published July 31, 1945.
Vitamin B-complex preparation. P. H. D. Laboratory, Inc. 417,178; Oct. 16; Serial No. 481,291; published Aug. 7, 1945.
Vitamin-mineral-iron compound. Meta Cine Company. 417,230; Oct. 16; Serial No. 482,809; published July 31, 1945.
Vitamin products. Testagar & Co., Inc. 417,122; Oct. 16; Serial No. 477,901; published Aug. 7, 1945.
Wave set, brilliantine, rose hair oil and hair pomade. Pennex Products Company. 417,064; Oct. 16; Serial No. 466,120; published July 31, 1945.
Yeast, Irradiated dry. Standard Brands Incorporated. 417,199; Oct. 16; Serial No. 481,922; published July 31, 1945.

CLASS 7

Twine. Smith & Dove Manufacturing Co. 203,656; renewed Sept. 22, 1945. O. G. Oct. 16.
Twine. Smith & Dove Manufacturing Co. 203,660; renewed Sept. 22, 1945. O. G. Oct. 16.

CLASS 9

Revolvers and pistols. Smith and Wesson Inc. 207,951; renewed Jan. 12, 1946. O. G. Oct. 16.

CLASS 12

Asphalt insulated siding. Globe Roofing Products Co., Inc. 417,253-4; Oct. 16.
Flooring composition, completed flooring, stucco composition, etc. Selby, Battersby & Co. 204,448-9; renewed Oct. 20, 1945. O. G. Oct. 16.
Paper, sheathing paper, and plaster board. Building Schmidt & Ault Paper Co. 417,246; Oct. 16.
Papers prepared with moisture-resistance substance. Standard Paint Company. 48,742; re-renewed Jan. 9, 1946. O. G. Oct. 16.
Roofing and a base sheet to be applied under composition roofing. Prepared. Parafine Companies, Inc. 201,700; renewed Aug. 4, 1945. O. G. Oct. 16.
Sealing compounds, Insoluble pipe joint plastic. Crane Packing Company. 417,247; Oct. 16.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 13

Couplings, Clamp-type. Federal Machine and Welder Company. 417,118; Oct. 16; Serial No. 477,601; published July 31, 1945.
Garment and house furnishings, jewelry and toilet articles, etc. Metallic. T. and J. M. Carlyle. 27,572; re-renewed Dec. 31, 1945. O. G. Oct. 16.
Sheet metal fasteners, Stamped. United-Carr Fastener Corporation. 417,124; Oct. 16; Serial No. 478,301; published Aug. 7, 1945.
Thread inserts, nuts, screws, and bolts. Eaton Manufacturing Company. 417,196; Oct. 16; Serial No. 481,837; published July 31, 1945.
Utensils, Kitchen. Legion Utensils Corporation. 417,108; Oct. 16; Serial No. 476,439; published July 31, 1945.
Valves and parts of valves. A. B. Jenkins. 46,196; re-renewed Sept. 12, 1945. O. G. Oct. 16.
Valves and parts of valves. A. B. Jenkins. 47,333; re-renewed Oct. 31, 1945. O. G. Oct. 16.
Valves, and parts of valves, cocks, and parts of cocks. A. B. Jenkins. 47,390; re-renewed Oct. 31, 1945. O. G. Oct. 16.
Wire screen-cloth. Reynolds Wire Co. 417,172-3; Oct. 16; Serial Nos. 480,927-8; published July 31, 1945.

CLASS 14

Iron and steel sheets and plates. Wheeling Steel Corporation. 206,472; renewed Dec. 1, 1945. O. G. Oct. 16.

CLASS 15

Oils for journals and cylinders, Lubricating. W. C. Robinson & Son Co. 47,509; re-renewed Nov. 7, 1945. O. G. Oct. 16.
Petroleum products. Bareco Oil Company. 417,077; Oct. 16; Serial No. 470,171; published July 17, 1945.

CLASS 16

Coating compositions. Maas & Waldstein Company. 417,275; Oct. 16.
Enamel, Quick-drying paint. Spencer-Adams Paint Company. 417,261; Oct. 16.
Lacquers, paint and pyroxylin enamels, and paint and pyroxylin finishes. E. I. du Pont de Nemours and Company. 204,398-9; renewed Oct. 20, 1945. O. G. Oct. 16.
Paint, Enamel. Keystone Varnish Company. 207,346; renewed Dec. 29, 1945. O. G. Oct. 16.
Paints, dry and oil colors, and varnishes, Dry-paste and ready-mixed. Buckeye Paint & Varnish Company. 206,948; renewed Dec. 15, 1945. O. G. Oct. 16.
Paints, primers, surfacers, etc. Dry, paste, and ready-mixed. Glidden Company. 206,352; renewed Dec. 1, 1945. O. G. Oct. 16.
Preservative in the nature of a wax coating or filler. Liquid. Hilliard Chemical Company. 417,250; Oct. 16.
Pyroxylin thinners, Knifing compound (undercoating), floor varnish, etc. E. I. du Pont de Nemours and Company. 204,396-7; renewed Oct. 20, 1945. O. G. Oct. 16.
Varnish. Mayer & Loewenstein. 47,078; re-renewed Oct. 24, 1945. O. G. Oct. 16.
Varnishes and japans. Mayer & Loewenstein. 47,077; re-renewed Oct. 24, 1945. O. G. Oct. 16.
Varnishes and japans. Mayer & Loewenstein. 48,179; re-renewed Dec. 12, 1945. O. G. Oct. 16.
Varnishes, japans, oil finish, etc. Mayer & Loewenstein. 46,556; re-renewed Sept. 26, 1945. O. G. Oct. 16.
Varnishes, lacquers, wood fillers, etc. Glidden Company. 206,022; renewed Nov. 24, 1945. O. G. Oct. 16.
Varnishes, stains, japans, etc. Chicago Varnish Co. 44,891; re-renewed July 25, 1945. O. G. Oct. 16.
Varnishes, stains, japans, and surfacers. Chicago Varnish Co. 44,893; re-renewed July 25, 1945. O. G. Oct. 16.
Varnishes, stains, japans, etc. Chicago Varnish Co. 44,895; re-renewed July 25, 1945. O. G. Oct. 16.

CLASS 17

Cigars. Schutter-Johnson Candy Co. 206,191; renewed Nov. 24, 1945. O. G. Oct. 16.

CLASS 19

Trucks, Motor driven. Linn Manufacturing Corporation. 417,166; Oct. 16; Serial No. 480,776; published July 31, 1945.
Ventilators, Light intercepting. Rambsch Decorative Company. 417,087; Oct. 16; Serial No. 472,301; published July 31, 1945.

CLASS 21

Amplifiers, Electrical. Rex Cole, Inc. 417,161; Oct. 16; Serial No. 480,562; published July 31, 1945.
Electric lamps and unitary combination sterilizing and advertising equipment. H. W. Abshire. 417,222; Oct. 16; Serial No. 482,913; published July 31, 1945.
Motor-generators apparatus and radio apparatus. Mackay Radio and Telegraph Company Inc. 417,100; Oct. 16; Serial No. 474,614; published July 31, 1945.
Pipes and tubes of electric conduits, Coated. Safety-Armorite Conduit Company. 44,601; re-renewed July 18, 1945. O. G. Oct. 16.

Pipes and tubes for electric conduits, Coated. Safety-Armorite Conduit Company. 47,807; re-renewed Nov. 21, 1945. O. G. Oct. 16.
Receivers, radio tubes, radio amplifiers, etc. Radio-Hytron Corporation. 417,085; Oct. 16; Serial No. 471,902; published July 21, 1945.
Speakers, Extension. Sni-Dor Radioelectric Limited. 417,159; Oct. 16; Serial No. 480,529; published July 31, 1945.

CLASS 22

Banks. Chicago Thrift Company. 200,890; renewed July 14, 1945. O. G. Oct. 16.
Dolls, Dressed. Nancy Ann Dressed Dolls. 417,245; Oct. 16.
Games, Card. G. J. La Framboise. 202,255; renewed Aug. 18, 1945. O. G. Oct. 16.
Garment and house furnishings, jewelry and toilet articles, etc. Metallic. T. and J. M. Carlyle. 27,572; re-renewed Dec. 31, 1945. O. G. Oct. 16.
Rods, fishing reels, artificial fish baits, etc. Fishing. Edw. K. Fryon Company. 417,263-4; Oct. 16.
Wagons, Coaster. Supple-Biddle Hardware Company. 201,512; renewed July 28, 1945. O. G. Oct. 16.

CLASS 23

Boring and grinding machines, boring tools, grinding tools, etc. Simplicity Engine and Manufacturing Company. 207,176; renewed Dec. 22, 1945. O. G. Oct. 16.
Brushes, end brushes, and twisted stem brushes, etc. Osborn Manufacturing Company. 417,141; Oct. 16; Serial No. 479,442; published July 31, 1945.
Brushes used as machine accessories, wire brushes, rotary brushes, etc. Osborn Manufacturing Company. 417,157; Oct. 16; Serial No. 480,424; published Aug. 7, 1945.
Bunch and package tying machine, Vegetable. Fellins Tying Machine Company. 417,127; Oct. 16; Serial No. 478,271; published July 31, 1945.
Files and rasps. Heller Brothers Company. 417,235; Oct. 16; Serial No. 483,110; published July 31, 1945.
Garment and house furnishings, jewelry and toilet articles, etc. Metallic. T. and J. M. Carlyle. 27,572; re-renewed Dec. 21, 1945. O. G. Oct. 16.
Holder and cutter, Roll. Kendall Company. 417,093; Oct. 16; Serial No. 473,102; published Aug. 7, 1945.
Holders, knives, grapefruit corers, etc. Plastic or metal corn. Renwall Manufacturing Co., Inc. 417,145; Oct. 16; Serial No. 479,648; published July 31, 1945.
Hydraulic unitary control apparatus. Adel Precision Products Corp. 417,083; Oct. 16; Serial No. 465,727; published Aug. 7, 1945.
Knives, Pocket. Imperial Knife Company, Inc. 417,154; Oct. 16; Serial No. 480,291; published July 31, 1945.
Loom supplies. E. H. Jacobs Manufacturing Co., Inc. 417,089; Oct. 16; Serial No. 472,424; published Aug. 7, 1945.
Machetes. Chas. D. Briddell, Inc. 417,188; Oct. 16; Serial No. 481,662; published July 31, 1945.
Penknives. Eagle Pencil Company. 201,911; renewed Aug. 11, 1945. O. G. Oct. 16.
Pincers and pincer-hammers. F. W. Whitchee. 47,209; re-renewed Oct. 31, 1945. O. G. Oct. 16.
Sprayers and powder dusters. Lowell Specialty Company. 417,279; Oct. 16.
Textile machines, needles for knitting machines, and parts of knitting machines. Edouard Dubied & Cie. Societe Anonyme. 207,769; renewed Jan. 12, 1946. O. G. Oct. 16.
Vulcanizing machine. Stenor Incorporated. 417,176; Oct. 16; Serial No. 481,087; published July 31, 1945.
Woodworking machines. Muskegon Machine Co. 200,834; renewed July 14, 1945. O. G. Oct. 16.
Wrenches, Torque. Richmond, Inc. 417,158; Oct. 16; Serial No. 480,425; published July 31, 1945.

CLASS 25

Locks. W-H Keyless Lock Company, Limited. 207,604; renewed Jan. 5, 1946. O. G. Oct. 16.
Pin setters and shade cloth pin pullers, Shade roller. Columbia Mills, Inc. 417,229; Oct. 16; Serial No. 482,734; published July 31, 1945.

CLASS 26

Films, Motion picture. Consolidated Film Industries, Inc. 201,655; renewed Aug. 4, 1945. O. G. Oct. 16.
Spectacles, eyeglasses, torquettes, and other similar articles. Bay State Optical Co. 27,109; re-renewed Oct. 1, 1945. O. G. Oct. 16.

CLASS 27

Cases, watches, chronometers, etc. Watch. Societe Anonyme Mido. 417,244; Oct. 16.
Clocks and watches. United States Time Corporation. 417,113; Oct. 16; Serial No. 477,169; published Aug. 7, 1945.
Watches. Horowitz & Son, Inc. 417,106; Oct. 16; Serial No. 476,102; published Aug. 7, 1945.
Watches. Welta Watch Co., Ltd. 417,155; Oct. 16; Serial No. 480,362; published Aug. 7, 1945.
Watches and parts thereof. Uhrenfabrik Buren Aktien-Gesellschaft (Buren Watch Company S. A.). 417,243; Oct. 16.

CLASS 28

Finger-rings. Sinner & Sherrill. 44,936; re-renewed Aug. 1, 1945. O. G. Oct. 16.
Garment and house furnishings, jewelry and toilet articles, etc., Metallic. T. and J. M. Carlyle. 27,572; re-renewed Dec. 31, 1945. O. G. Oct. 16.

CLASS 30

Cooking ware, Ceramic. Cookware Associates. 417,065; Oct. 16; Serial No. 466,607; published July 31, 1945.

CLASS 31

Refrigerators and parts thereof. W. F. De Spagna. 417,278; Oct. 16.

CLASS 32

Chairs, dining room and dinette tables, etc. T. G. Parker. 417,248; Oct. 16.

CLASS 34

Boilers and their adjuncts. Babcock & Wilcox Company. 44,808; re-renewed July 25, 1945. O. G. Oct. 16.
Boilers and their adjuncts. Babcock & Wilcox Company. 44,904; re-renewed July 25, 1945. O. G. Oct. 16.
Boilers and their adjuncts. Babcock & Wilcox Company. 44,905; re-renewed July 25, 1945. O. G. Oct. 16.
Lighters, Portable and pocket cigar and cigarette. Alfred Dunhill of London, Inc. 203,732; renewed Sept. 22, 1945. O. G. Oct. 16.
Stoves and ranges, Cooking. Tennessee Stove Works. 207,784; renewed Jan. 12, 1946. O. G. Oct. 16.

CLASS 35

Gaskets. Victor Manufacturing & Gasket Company. 202,731; renewed Sept. 1, 1945. O. G. Oct. 16.

CLASS 36

Mechanism for pianos, organs, and like musical instruments, Manually-operated chord-playing. D. Talmage. 207,001; renewed Dec. 15, 1945. O. G. Oct. 16.

CLASS 37

Binders and loose leaf binder inserts, Looseleaf. American Stationery Products. 417,168; Oct. 16; Serial No. 480,812; published Aug. 7, 1945.
Erasers, Rubber. Eagle Pencil Company. 46,100; re-renewed Sept. 5, 1945. O. G. Oct. 16.
Fountain-pens. Eagle Pencil Company. 46,099; re-renewed Sept. 5, 1945. O. G. Oct. 16.
Lead-pencils. Eagle Pencil Co. 46,095; re-renewed Sept. 5, 1945. O. G. Oct. 16.
Lead-pencils. Eagle Pencil Company. 46,097; re-renewed Sept. 5, 1945. O. G. Oct. 16.
Lead-pencils. Eagle Pencil Company. 48,097; re-renewed Dec. 12, 1945. O. G. Oct. 16.
Lead-pencils. Eagle Pencil Company. 48,099-100; re-renewed Dec. 12, 1945. O. G. Oct. 16.
Lead-pencils. Eagle Pencil Company. 48,102; re-renewed Dec. 12, 1945. O. G. Oct. 16.
Paper, Enamelled book. Seaman Paper Company. 205,936; renewed Nov. 17, 1945. O. G. Oct. 16.
Paper, envelopes and mailing devices, Letter writing. R. S. V. P. Inc. 417,233; Oct. 16; Serial No. 482,950; published Aug. 7, 1945.
Paper, paper napkins, and paper towels, Toilet. Blake, Moffitt & Towne. 205,919; renewed Nov. 17, 1945. O. G. Oct. 16.
Paper, Printing and writing. Graham Paper Company. 202,147; renewed Aug. 18, 1945. O. G. Oct. 16.
Paper, Printing and writing. Graham Paper Company. 205,241; renewed Nov. 3, 1945. O. G. Oct. 16.
Papers, manuscript covers, bond paper, etc., Typewriter. Blake, Moffitt & Towne. 207,684; renewed Jan. 5, 1946. O. G. Oct. 16.
Pencil-sharpeners. Eagle Pencil Company. 46,098; re-renewed Sept. 5, 1945. O. G. Oct. 16.
Penholders. Eagle Pencil Company. 47,102; re-renewed Oct. 24, 1945. O. G. Oct. 16.
Sharpeners. Pencil. Hayes-Meserole Manufacturing Co., Inc. 205,316; renewed Nov. 3, 1945. O. G. Oct. 16.
Stickers made of paper, place cards, paper napkins, etc. B. Anderson. 417,070; Oct. 16; Serial No. 470,132; published Aug. 7, 1945.
Writing-pens. E. L. Horney. 45,397; re-renewed Aug. 15, 1945. O. G. Oct. 16.

CLASS 38

Comic strip. Anglo-American Publishing Company Limited. 417,094; Oct. 16; Serial No. 473,174; published July 31, 1945.
Magazine, Monthly. Building Age Publishing Corporation. 201,139; renewed July 21, 1945. O. G. Oct. 16.
Magazines, handbooks and the like. Pan American Airways, Inc. 417,241; Oct. 16; Serial No. 483,549; published July 31, 1945.
Organs, news letters, catalogues, etc. Radio Corporation of America. 417,179; Oct. 16; Serial No. 481,296; published June 19, 1945.

Periodicals and periodical magazines. K. Crossen. 417,189; Oct. 16; Serial No. 481,664; published July 31, 1945.
Publication, Monthly. Shippers Guide Company. 207,440; renewed Jan. 5, 1946. O. G. Oct. 16.

CLASS 39

Boots and shoes. Ault-Williamson Shoe Co. 203,367; renewed Sept. 15, 1945. O. G. Oct. 16.
Boots and shoes. International Shoe Company. 417,120; Oct. 16; Serial No. 477,745; published May 15, 1945.
Boots and shoes. International Shoe Company. 417,125; Oct. 16; Serial No. 478,219; published July 24, 1945.
Brassieres. Hollywood-Maxwell Co. 417,060; Oct. 16; Serial No. 463,459; published Dec. 26, 1944.
Brassieres. Jeanette Corset Shoppe. 417,146; Oct. 16; Serial No. 479,746; published July 24, 1945.
Clothing, including wind and water repellent clothing. Sport. Benmar Manufacturing Company. 417,165; Oct. 16; Serial No. 480,730; published July 24, 1945.
Coats and suits, Ladies' and misses'. X. E. Zuckerman. 417,197; Oct. 16; Serial No. 481,872; published July 24, 1945.
Collars, pyjamas, nightrobes, etc., Men's and boys'. H. Berger. 204,862; renewed Oct. 27, 1945. O. G. Oct. 16.
Corsets. Chappell Allen & Co., Limited. 203,355; renewed Sept. 15, 1945. O. G. Oct. 16.
Cravats and neckties. W. M. Quinn. 205,663; renewed Nov. 10, 1945. O. G. Oct. 16.
Dresses, slips, playsuits, etc., Ladies', misses' and girls'. Mendex Fabrics Co. 417,259; Oct. 16.
Dresses, Women's second hand. V. C. Smith. 417,266; Oct. 16.
Footwear. International Footwear Co., Inc. 417,184; Oct. 16; Serial No. 481,477; published July 31, 1944.
Garments. William Carter Company. 417,204; Oct. 16; Serial No. 482,041; published July 24, 1945.
Girdles and brassieres. Peter Pan Foundations, Inc. 417,181; Oct. 16; Serial No. 481,424; published July 24, 1945.
Hat bodies and hats for women and children. Henry Pollak, Inc. 417,149; Oct. 16; Serial No. 479,951; published Aug. 7, 1945.
Hose, Men's half. American Cellulose & Chemical Manufacturing Company, Ltd. 207,622; renewed Jan. 5, 1946. O. G. Oct. 16.
Hosiery. S. Kann Sons Co. 207,222; renewed Dec. 22, 1945. O. G. Oct. 16.
Hosiery. Liberty Hosiery Mills. 417,186; Oct. 16; Serial No. 481,634; published July 31, 1945.
Hosiery. Liberty Hosiery Mills. 417,187; Oct. 16; Serial No. 481,637; published July 31, 1945.
Hosiery, Ladies'. Spiegel, Inc. 417,206; Oct. 16; Serial No. 482,124; published July 24, 1945.
Hosiery, misses' hosiery, and men's half hose, Boys' three-pound. Ragan Knitting Company. 198,144; renewed May 5, 1945. O. G. Oct. 16.
Housecoats, pajamas, nightgowns, etc. Schiller-Dubrow. 417,205; Oct. 16; Serial No. 482,017; published Aug. 7, 1945.
Overalls, jumpers, work jackets, etc. Blue Bell, Inc. 417,163; Oct. 16; Serial No. 480,646; published July 31, 1945.
Overcoats and topcoats and suits, Men's. J. M. Klein. 417,101; Oct. 16; Serial No. 474,806; published July 31, 1945.
Pajamas, sport shirts, dress shirts, etc., Men's and boys'. McTague Manufacturing Co. 417,258; Oct. 16.
Playsuits, wash suits, snowsuits, etc., Children's and infants'. Danbury Novelty Co. 417,221; Oct. 16; Serial No. 482,524; published Aug. 7, 1945.
Raincoats for women and girls. Weathercraft Company. 417,128; Oct. 16; Serial No. 478,527; published Aug. 7, 1945.
Shirts, lumberjacks, sackinaws, etc., Men's and boys' sport and dress. Lustberg, Nast & Co., Inc. 417,202; Oct. 16; Serial No. 482,001; published July 24, 1945.
Shirts, Men's and boys' dress and sport. Abeles Shirt Company. 417,210; Oct. 16; Serial No. 482,233; published Aug. 7, 1945.
Shirts, slacks and windbreakers. Outer. Donnkenny Sportswear Company. 417,198; Oct. 16; Serial No. 481,889; published July 31, 1945.
Shirts, sport shirts, blouses, etc., Dress. Apollo Shirt Company. 417,182; Oct. 16; Serial No. 481,769; published Aug. 7, 1945.
Shoes. Kirsch-Blacher Company, Inc. 417,075; Oct. 16; Serial No. 469,994; published July 24, 1945.
Shoes. N. A. Laveson. 417,150; Oct. 16; Serial No. 480,023; published July 31, 1945.
Shoes. N. A. Laveson. 417,151-2; Oct. 16; Serial Nos. 480,025-6; published July 31, 1945.
Shoes and slippers. Cobblers, Inc. 417,103; Oct. 16; Serial No. 475,530; published July 24, 1945.
Shoes, slippers and boots. I. N. Joseph. 417,134; Oct. 16; Serial No. 479,130; published Aug. 7, 1945.
Slips for women and misses. United Mills. 417,195; Oct. 16; Serial No. 481,811; published July 24, 1945.
Suits and clothing, Men's. Schwob Manufacturing Company. 417,107; Oct. 16; Serial No. 476,405; published July 24, 1945.

CLASS 44

Garment and house furnishings, jewelry and toilet articles, etc., Metallic. T. Carlyle and J. M. Carlyle. 27,572; re-renewed Dec. 31, 1945. O. G. Oct. 16.
Respirators. Columbian Steel Tank Company. 217,268; Oct. 16.

CLASS 45

Beverages, and flavored sirups and extracts for making the same, Nonalcoholic, noncereal, maltless. Theonett & Co. 207,517; renewed Jan. 5, 1946. O. G. Oct. 16.
Beverages, Nonalcoholic. L. N. Page. 417,059; Oct. 16; Serial No. 462,777; published Dec. 14, 1943.
Beverages, Nonalcoholic, noncereal, maltless. Diamond Bottling Corporation. 207,403-4; renewed Dec. 29, 1945. O. G. Oct. 16.
Beverages, Nonalcoholic, noncereal, maltless. Old Fashion Ma's Root Beer Bottling Company. 417,147; Oct. 16; Serial No. 479,807; published July 24, 1945.
Beverages, Non-alcoholic, maltless. P. Fischer. 417,175; Oct. 16; Serial No. 481,062; published July 10, 1945.
Ginger ale. Beverage Distributors, Inc. 417,236; Oct. 16; Serial No. 483,204; published July 24, 1945.
Powder. Nonalcoholic, maltless, fruit-juice. Merrell-Soule Company. 205,354; renewed Nov. 3, 1945. O. G. Oct. 16.

CLASS 46

Cake and macaroons. Drake Bakeries Incorporated. 204,529; renewed Oct. 20, 1945. O. G. Oct. 16.
Cakes, Cooky. Perfection Biscuit Company. 207,940; renewed Jan. 12, 1946. O. G. Oct. 16.
Candles and cakes, cookies, peanut butter sandwiches, and pretzels. Barbara Lee Chocolate Company. 417,273; Oct. 16.
Candles, cakes, cookies, peanut butter sandwiches, and pretzels. Barbara Lee Chocolate Company. 417,277; Oct. 16.
Candy. American Caramel Company. 205,755; renewed Nov. 17, 1945. O. G. Oct. 16.
Candy. Hawley & Hoops. 48,621; re-renewed Jan. 9, 1946. O. G. Oct. 16.
Candy. Heller Candy Co., Inc. 417,272; Oct. 16.
Candy. H. C. Olmstead. 417,121; Oct. 16; Serial No. 477,855; published Aug. 7, 1945.
Candy. R. E. Rodda Candy Company. 207,076; renewed Dec. 15, 1945. O. G. Oct. 16.
Candy. Schutter-Johnson Candy Co. 204,790; renewed Oct. 27, 1945. O. G. Oct. 16.
Candy, Chewing. Hawley & Hoops. 207,985; renewed Jan. 12, 1946. O. G. Oct. 16.
Canned fruits and canned vegetables. R. R. Mack. 417,262; Oct. 16.
Canned vegetables. Grinstead Bros. Inc. 417,270; Oct. 16.
Canned vegetables. H. Truitt. 206,995; renewed Dec. 15, 1945. O. G. Oct. 16.
Canned vegetables and frozen fresh fruits and vegetables. Iowa Canning Company. 417,269; Oct. 16.
Feeds and foodstuffs for poultry, cattle, horses, etc. Edgar-Morgan Co. 207,031; renewed Dec. 15, 1945. O. G. Oct. 16.
Flour. Pillsbury-Washburn Flour Mills Company, Ltd. 47,236; re-renewed Oct. 31, 1945. O. G. Oct. 16.
Flour made from wheat. Pillsbury Flour Mills Company. 203,968; renewed Sept. 29, 1945. O. G. Oct. 16.
Flour made from wheat. Pillsbury-Washburn Flour Mills Company, Ltd. 44,818; re-renewed July 25, 1945. O. G. Oct. 16.
Flour made from wheat. Pillsbury-Washburn Flour Mills Company, Ltd. 45,179-82; re-renewed Aug. 8, 1945. O. G. Oct. 16.
Flour made from wheat. Pillsbury-Washburn Flour Mills Company, Ltd. 45,744; re-renewed Aug. 29, 1945. O. G. Oct. 16.
Flour made from wheat. Pillsbury-Washburn Flour Mills Company, Ltd. 45,927; re-renewed Aug. 29, 1945. O. G. Oct. 16.
Flour made from wheat. Pillsbury-Washburn Flour Mills Company, Ltd. 47,530; re-renewed Nov. 7, 1945. O. G. Oct. 16.
Flour, Wheat. Portland Flour Mills Co. 205,083; renewed Nov. 3, 1945. O. G. Oct. 16.
Food products. Penthouse Food Sales Co. 417,234; Oct. 16; Serial No. 483,080; published July 31, 1945.
Fruits, berries, and vegetables, etc., Frozen fresh deciduous. Panda Frosty Foods. 417,255; Oct. 16.
Fruits, Fresh citrus. Redlands Select Groves, Inc. 206,106; renewed Nov. 24, 1945. O. G. Oct. 16.
Milk. Powdered skimmed. Merrell-Soule Company. 205,313; renewed Nov. 3, 1945. O. G. Oct. 16.
Milk product, Powdered. Merrell-Soule Company. 205,191; renewed Nov. 3, 1945. O. G. Oct. 16.
Pancake mix, Potato. M. A. Vandervall. 417,242; Oct. 16; Serial No. 483,880; published July 31, 1945.
Potatoes. Porter & Wentz, Inc. 417,237; Oct. 16; Serial No. 483,280; published July 31, 1945.
Potatoes. Porter & Wentz, Inc. 417,239; Oct. 16; Serial No. 483,283; published July 31, 1945.

Suits and overcoats, Men's and boys'. Fashion Park, Inc. 417,217; Oct. 16; Serial No. 482,483; published July 31, 1945.
Suits, coats, dresses, etc., Women's and misses'. Blum Store. 207,588; renewed Jan. 5, 1946. O. G. Oct. 16.
Suits, vests, trousers, topcoats, and overcoats, Men's. Michaels, Stern & Company, Inc. 417,086; Oct. 16; Serial No. 472,075; published July 31, 1945.
Sweaters, knitted skirts, ladies' knitted dresses and suits, Knitted. New York Knitting Mills, Inc. 417,222; Oct. 16; Serial No. 482,543; published Aug. 7, 1945.
Sweaters, sunsuits, toddlers' suits, etc., Infants'. Charles Pindych, Inc. 417,135; Oct. 16; Serial No. 479,253; published July 31, 1945.
Vestees and dickeys. Baar & Beards, Inc. 417,078; Oct. 16; Serial No. 470,598; published Aug. 8, 1944.
Wear, Boys', girls', and infants'. Plymouth Wholesale Dry Goods Corporation. 417,074; Oct. 16; Serial No. 469,912; published July 31, 1945.
Wear, Boys', girls', and infants'. Plymouth Wholesale Dry Goods Corporation. 417,079; Oct. 16; Serial No. 471,234; published July 31, 1945.
Wearing apparel, Ladies'. Barbizon Corporation. 417,257; Oct. 16.

CLASS 40

Clasps or holders. Elastic collar. A. C. Patch. 417,130; Oct. 16; Serial No. 478,688; published July 31, 1945.
Garment and house furnishings, jewelry and toilet articles, etc., Metallic. T. Carlyle and J. M. Carlyle. 27,572; re-renewed Dec. 31, 1945. O. G. Oct. 16.
Pins, Bob. Royal Hair Pin Corporation. 417,080; Oct. 16; Serial No. 471,490; published July 31, 1945.
Stays. Spirella Company. 417,170; re-renewed Oct. 31, 1945. O. G. Oct. 16.
Straps, Wrist watch. Cowen Bros. 417,099; Oct. 16; Serial No. 474,583; published Dec. 5, 1944.

CLASS 42

Bedsprings. Bates Manufacturing Company. 417,084; Oct. 16; Serial No. 471,847; published Dec. 12, 1944.
Blankets made of wool, cotton, rayon, etc. Nashua Manufacturing Company. 417,156; Oct. 16; Serial No. 480,422; published July 10, 1945.
Cotton and rayon piece goods. Milton C. Blum, Inc. 417,153; Oct. 16; Serial No. 480,128; published July 24, 1945.
Cotton and rayon textile goods in the piece and in cut lengths. J. Richman & Company. 417,118; Oct. 16; Serial No. 477,529; published July 31, 1945.
Cotton goods in the piece. Joseph Bancroft & Sons Co. 417,180; Oct. 16; Serial No. 481,690; published July 17, 1945.
Fabrics in the piece. Wullschlegel Co. 417,083; Oct. 16; Serial No. 471,725; published July 17, 1945.
Fabrics in the piece. Textile. Hahner Associates, Inc. 417,162; Oct. 16; Serial No. 480,573; published July 31, 1945.
Fabrics, Piece goods. Raylaine Worsteds, Inc. 417,068; Oct. 16; Serial No. 468,475; published July 31, 1945.
Fabrics, Textile. Crest Fabrics Corp. 417,169; Oct. 16; Serial No. 480,816; published July 10, 1945.
Piece goods. Herbert Manufacturing Company. 417,082; Oct. 16; Serial No. 471,605; published July 17, 1945.
Piece goods fabrics. Raylaine Worsteds, Inc. 417,067-8; Oct. 16; Serial Nos. 468,474-5; published July 31, 1945.
Piece goods of silk, rayon, metal threads, etc. F. N. Hirst. 417,114; Oct. 16; Serial No. 477,195; published July 10, 1945.
Rayon piece goods. Wullschlegel & Co. 417,098; Oct. 16; Serial No. 473,971; published July 17, 1945.
Rayon piece goods. Belvedere Fabrics Inc. 417,112; Oct. 16; Serial No. 477,052; published Mar. 20, 1945.
Rayon piece goods. J. Gluck. 417,133; Oct. 16; Serial No. 479,070; published July 17, 1945.
Rayon piece goods. Mooresville Cotton Mills. 417,167; Oct. 16; Serial No. 480,732; published June 24, 1945.
Sheets and pillow cases. H. Zohn. 417,191; Oct. 16; Serial No. 481,731; published July 17, 1945.
Sheets, pillow cases, wash cloths, etc., Cotton. Lawrence Converters Inc. 417,129; Oct. 16; Serial No. 478,554; published July 10, 1945.
Wash cloths, towels, bath blankets, etc., Infants', and children's. Barnshaw Knitting Company. 317,140; Oct. 16; Serial No. 479,427; published July 17, 1945.
Woolen and worsted fabrics in the piece. John Walther Fabrics, Inc. 417,136; Oct. 16; Serial No. 479,318; published July 17, 1945.
Woolen and worsted fabrics in the piece. Terhune, Yereance & Wolff, Inc. 417,201; Oct. 16; Serial No. 481,964; published July 31, 1945.
Woolen piece goods. Forstmann & Huffman Company. 202,519; renewed Aug. 25, 1945. O. G. Oct. 16.
Woolen piece goods. Forstmann & Huffman Company. 202,535; renewed Aug. 25, 1945. O. G. Oct. 16.
Woolen piece goods. Co-operative Wholesale Society, Limited. 205,226; renewed Nov. 3, 1945. O. G. Oct. 16.

CLASS 43

Thread. Futurity Thread Company. 417,251; Oct. 16.
Thread, and continuous filament and staple fiber yarns, Sewing. Owens-Corning Fiberglass Corporation. 417,252; Oct. 16.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Poultry and eggs, Alive and dressed. Val-Lo-Will Farms, Inc. 417,069; Oct. 16; Serial No. 468,482; published July 31, 1945.
 Tomatoes, Fresh. Porter & Wentz, Inc. 417,238; Oct. 16; Serial No. 483,282; published July 31, 1945.
 Vegetables, Fresh. California Farm Products Company. 417,249; Oct. 16.

CLASS 47

Vermouth. Petri Cigar Company, Inc. 417,209; Oct. 16; Serial No. 482,220; published July 17, 1945.
 Vermouths, champagnes, and other wines. S. Steinbach. 417,090; Oct. 16; Serial No. 472,470; published July 3, 1945.
 Wines. Marco Importing Co. 417,071; Oct. 16; Serial No. 468,892; published July 17, 1945.
 Wines. Osborne & Co. 417,148; Oct. 16; Serial No. 479,895; published July 24, 1945.
 Wines. Village Winery, Inc. 417,180; Oct. 16; Serial No. 481,391; published July 3, 1945.

CLASS 48

Ale. Adam Scheidt Brewing Company. 417,223; Oct. 16; Serial No. 482,550; published July 31, 1945.
 Beer. Adam Scheidt Brewing Company. 417,182; Oct. 16; Serial No. 481,436; published July 31, 1945.
 Beer. Adam Scheidt Brewing Company. 417,183; Oct. 16; Serial No. 481,437; published July 3, 1945.
 Beer. Horlacher Brewing Company. 417,260; Oct. 16.

Beverage made of malt and cereals. Adam Scheidt Brewing Company. 417,224; Oct. 16; Serial No. 482,552; published July 17, 1945.
 Beverages, Malt. Takamine Laboratory, Inc. 208,381; renewed Dec. 1, 1945. O. G. Oct. 16.

CLASS 49

Crème de Menthe. Leroux & Co., Inc. 417,185; Oct. 16; Serial No. 481,480; published July 3, 1945.
 Liquors, Distilled alcoholic. Ronrico Corporation. 417,056; Oct. 16; Serial No. 448,581; published July 17, 1945.
 Rum. General Distilleries Corporation. 417,073; Oct. 16; Serial No. 469,538; published July 3, 1945.
 Rum, brandy, whiskey, etc. Schenley International Corporation. 417,102; Oct. 16; Serial No. 475,130; published July 17, 1945.
 Whiskey, brandy, gin, and liqueur. Lansdowne Distillery. 417,131; Oct. 16; Serial No. 479,005; published July 3, 1945.

CLASS 50

Closures for receptacles. Crown Cork and Seal Company of Baltimore. 207,810; renewed Jan. 12, 1946. O. G. Oct. 16.
 Closures for receptacles. Crown Cork and Seal Company of Baltimore City. 207,815; renewed Jan. 12, 1946. O. G. Oct. 16.

LIST OF REISSUE PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 16TH DAY OF OCTOBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bugg, Kenly C., Fort Wayne, Ind. Fastener. Re. 22,681; Oct. 16.
 Dodge, Adiel Y., Rockford, Ill. Clutch. Re. 22,682; Oct. 16.
 Frisch, Irving M., et al.: See—
 Piper, Henry S., assignor.

Piper, Hannah W., et al.: See—
 Piper, Henry S., assignor.
 Piper, Henry S., assignor of one-fourth to I. M. Frisch, and one-half to H. W. Piper, Minneapolis, Minn. Display frame. Re. 22,683; Oct. 16.

LIST OF DESIGN PATENTEEES

Bachmann, Robert A., New York, N. Y. Combined bearing aid support and spectacles. 142,542; Oct. 16.
 Bechtell, Albert A., St. Louis, Mo. Viewer. 142,543; Oct. 16.
 Berg, Samuel A., New York, N. Y. Ring. 142,544; Oct. 16.
 Brown, Walter O., Detroit, Mich. Kitchen spoon or similar article. 142,545; Oct. 16.
 Clearite Products, Inc.: See—
 Toklas, Monroe B., assignor.
 Cole, William: See—
 Lambert, H. L., and Cole.
 Coro, Inc.: See—
 Katz, Adolph, assignor.
 Cumming, George T., Kansas City, Mo. Portable vise. 142,546; Oct. 16.
 Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 142,547; Oct. 16.
 Dixon, Steve: See—
 Haddock, J. L., and Dixon.
 Eureka Vacuum Cleaner Company: See—
 Walker, George W., assignor.
 Ewart, Elliott S., St. Clair Shores, Mich., assignor to United States Rubber Company, New York, N. Y. Pneumatic tire. 142,548; Oct. 16.
 Fink, Frederick, Washington, D. C. Crutch grip. 142,549; Oct. 16.
 Ford, George E., Brighton, N. Y., assignor to Qualitrol Corporation, Rochester, N. Y. Kitchen mixing machine. 142,550; Oct. 16.
 Frankel, Leo J., Chicago, Ill. Toy gun. 142,551; Oct. 16.
 Frost, Homer A., Jr., Tucson, Ariz. Clock. 142,552; Oct. 16.
 Furst, Clifford A., New York, N. Y. Brooch or similar article. 142,553; Oct. 16.
 Furst, Clifford A., New York, N. Y. Brooch or similar article. 142,554; Oct. 16.
 Furst, Clifford A., New York, N. Y. Brooch or similar article. 142,555; Oct. 16.
 Furst, Clifford A., New York, N. Y. Brooch or similar article. 142,556; Oct. 16.
 Germanow-Simon Machine Co.: See—
 Simon, Julius, assignor.
 Globe Union Inc.: See—
 Suter, George D., assignor.
 Goodrich, B. F., Company, The: See—
 Stackhouse, James H., assignor.
 Wydom, Herbert H., assignor.
 Gruber, Abe, New York, N. Y. Suit. 142,557; Oct. 16.
 Haddock, John L., Compton, and S. Dixon, Long Beach, Calif. Sucker rod clamp. 142,558; Oct. 16.
 Herzog, Edgar R., Seattle, Wash. Cigarette roller. 142,559; Oct. 16.
 Hettrick Manufacturing Company, The: See—
 Smith, William I., assignor.
 Honeywell, Annette, Los Angeles, Calif. Textile fabric. 142,560; Oct. 16.
 Hotstream Heater Company, The: See—
 Morrow, Clarence H., assignor.
 Hyde, Donald B., Newton, Mass. Combined bird shelter and feeding station. 142,561; Oct. 16.
 Jones, Joseph H., Detroit, Mich. Amusement device. 142,562; Oct. 16.
 Kallisz, Steve, Chicago, Ill. Toy whistling windmill. 142,563; Oct. 16.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 142,564; Oct. 16.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 142,565; Oct. 16.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring. 142,566; Oct. 16.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 142,567; Oct. 16.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 142,568; Oct. 16.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 142,569; Oct. 16.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 142,570; Oct. 16.
 Lambert, Henry L., New York, N. Y., and W. Cole, Ridgefield Park, N. J. Bill clip or similar article. 142,571; Oct. 16.
 Leipper, William, assignor to M. G. Sampson, Seattle, Wash. Smoking pipe. 142,572; Oct. 16.
 Mahler, John S., Glen Ridge, N. J. Beam compass. 142,573; Oct. 16.
 Markel Electric Products, Inc.: See—
 Ohm, Albert J. D., assignor.
 Mazzarelli, Augustine M., New York, N. Y. Knife box. 142,574; Oct. 16.
 Meers, Viola E., Los Angeles, Calif. Toy. 142,575; Oct. 16.
 Morris, Robert B., Hollywood, Calif. Die. 142,576; Oct. 16.
 Morrow, Clarence H., Shaker Heights, assignor to The Hotstream Heater Company, Cleveland, Ohio. Container for water treating material. 142,577; Oct. 16.
 Newport, Jesse H., Jr., Upper Darby, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Compact. 142,578; Oct. 16.
 Ohm, Albert J. D., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric light bowl. 142,579; Oct. 16.
 Ohm, Albert J. D., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric light bowl. 142,580; Oct. 16.
 Ohm, Albert J. D., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric light bowl. 142,581; Oct. 16.
 Ohm, Albert J. D., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric light bowl. 142,582; Oct. 16.
 Ohm, Albert J. D., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric light bowl. 142,583; Oct. 16.
 Phillippe, Alfred, Scarsdale, N. Y. Brooch or similar article. 142,584; Oct. 16.
 Phillippe, Alfred, Scarsdale, N. Y. Brooch or similar article. 142,585; Oct. 16.
 Phillippe, Alfred, Scarsdale, N. Y. Clip or similar article. 142,586; Oct. 16.
 Phillippe, Alfred, Scarsdale, N. Y. Clip or similar article. 142,587; Oct. 16.
 Pichel, Irving, New York, N. Y. Handbag. 142,588; Oct. 16.
 Pohl, Gustav, Teaneck, N. J. Finger ring. 142,589; Oct. 16.
 Qualitrol Corporation: See—
 Ford, George E., assignor.
 Sampson, Merrill G.: See—
 Leipper, William, assignor.
 Schneider Metal Manufacturing Company: See—
 Werkmeister, Vernon, assignor.
 Simon, Julius, assignor to Germanow-Simon Machine Co., Rochester, N. Y. Watch crystal inserting machine. 142,590; Oct. 16.
 Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Velocipede frame member. 142,591; Oct. 16.
 Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Frame for a tricycle. 142,592; Oct. 16.

LIST OF DESIGN PATENTEES

Stacey, Rosanna, Hollywood, Calif. Stirring spoon rack or similar article. 142,593; Oct. 16.
 Stackhouse, James H., Newton, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Heel. 142,594; Oct. 16.
 Suter, George D., Wauwatosa, assignor to Globe-Union Inc., Milwaukee, Wis. Spark plug. 142,595; Oct. 16.
 Toklas, Monroe B., assignor to Clearite Products, Inc., New York, N. Y. Cigarette dispenser or the like. 142,596; Oct. 16.
 Toklas, Monroe B., assignor to Clearite Products, Inc., New York, N. Y. Cigarette dispenser or the like. 142,597; Oct. 16.
 Tuttle & Kift, Inc.: See—
 Tuttle, William R., assignor.
 Tuttle, William R., Riverside, assignor to Tuttle & Kift, Inc., Chicago, Ill. Electric heater. 142,598; Oct. 16.
 United States Rubber Company: See—
 Ewart, Elliott S., assignor.
 Victor Metal Products Corporation: See—
 Derham, Philip A., assignor.
 Newport, Jesse H., Jr., assignor.
 Walker, George W., Pleasant Ridge, assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Vacuum cleaner casing. 142,599; Oct. 16.

Walker, George W., Pleasant Ridge, assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Vacuum cleaner casing. 142,600; Oct. 16.
 Wallace, R., & Sons Manufacturing Company: See—
 Warren, William S., assignor.
 Warner, Michael M., Chicago, Ill. Spray gun or similar article. 142,601; Oct. 16.
 Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or other article of flatware. 142,602; Oct. 16.
 Weed, Edward L., Providence, R. I. Finger ring. 142,603; Oct. 16.
 Werkmeister, Vernon, Villa Park, assignor to Schneider Metal Manufacturing Company, Chicago, Ill. Sign supporting bracket. 142,604; Oct. 16.
 Wolfberg, Irene, Chicago, Ill. Toy figure. 142,605; Oct. 16.
 Wydom, Herbert H., Brockton, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Heel. 142,606; Oct. 16.
 Wydom, Herbert H., Brockton, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Heel. 142,607; Oct. 16.
 Ziegfeld, Florenz W., Chicago, Ill. Drawing instrument. 142,608; Oct. 16.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 16TH DAY OF OCTOBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adams, Harold A., Bakersfield, and M. Elchelberger, Kernville, Calif., assignors to E. A. B. Incorporated. Internal-combustion engine charge forming device. 2,386,765; Oct. 16.
 Adelson, David E., Berkeley, and H. Dannenberg, assignors to Shell Development Company, San Francisco, Calif. Alkyl ester resins and their preparation. 2,386,999; Oct. 16.
 Ahmer, Carl W.: See—
 Wood, K. R., and Ahmer.
 Air Reduction Company, Incorporated: See—
 Deming, George M., assignor.
 Alberts, John R., Sioux City, Iowa, assignor to Win-charger Corporation. Electrical control system. 2,386,921; Oct. 16.
 Alburger, James R., Hollywood, Calif., assignor to Radio Corporation of America. Photographic fixing method. 2,387,000; Oct. 16.
 Alger, Harley C., Chicago, Ill. Photoengraving or the like. 2,387,048; Oct. 16.
 Allen Property Custodian: See—
 Schneider, A., and Ungethuem.
 Allen-Bradley Company: See—
 Matthias, Lynn H., assignor.
 Allen, Herbert, assignor to Cameron Iron Works, Houston, Tex. Blowout preventer. 2,387,106; Oct. 16.
 Allied Chemical & Dye Corporation: See—
 Eagle, William S., assignor.
 Aluminum Company of America: See—
 Willmore, C. B., and Chew, assignors.
 American Can Company: See—
 Geertsen, Nelson, assignor.
 Thornburgh, Ivan D., assignor.
 American Cyanamid Company: See—
 Herkenhoff, E. C., assignor.
 American Fork & Hoe Company, The: See—
 Taft, Raymond C., assignor.
 American Lady Corset Company: See—
 Rosehill, Joseph A., assignor.
 American Machine and Foundry Company: See—
 Johnson, Carl W., assignor.
 American Rolling Mill Company: See—
 Beck, C. W., and Pick, assignors.
 American Steel Foundries: See—
 Flesch, Norman, assignor.
 Foster, Carl, assignor.
 American Well Works, The: See—
 Walker, James D., assignor.
 Ames, Arthur D., Galesburg, assignor to Outboard Marine and Manufacturing Company, Waukegan, Ill. Unit cooler. 2,386,883; Oct. 16.
 Ams, Max, Machine Company, The: See—
 Diezel, Willy, assignor.
 Amundson, Roald H.: See—
 Earl, R. H., and Amundson.
 Andersag, Hans, and K. Westphal, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Quaternary thiazolium compounds and manufacture thereof. 2,386,766; Oct. 16.
 Anderson, Phillip A.: See—
 Swenson, A. H., and Anderson.
 Andrews, Earle R., and L. H. Steans, Los Angeles, Calif. Fastening device. 2,386,922; Oct. 16.
 Andrus, Budd W., Eugene, Oreg. Power transmission for sawmill carriages. 2,386,923; Oct. 16.
 Appelman, Walter R., Champaign, Ill. Double acting, two-cycle Diesel engine. 2,387,107; Oct. 16.
 Arens, Charles A., assignor to Arens Controls, Inc., Chicago, Ill. Control mechanism. 2,386,767; Oct. 16.
 Arens Controls, Inc.: See—
 Arens, Charles A., assignor.
 Armstrong, C. M., Inc.: See—
 Block, Richard J., assignor.
 Arndt, John P., Jr., Euclid, and W. J. Brown and A. L. W. Williams, Cleveland Heights, assignors to The Brush Development Company, Cleveland, Ohio. Piezoelectric apparatus. 2,387,108; Oct. 16.
 Arroyo, Rafael, Rio Piedras, P. R. Production of heavy runs. 2,386,924; Oct. 16.
 Atlas Press Company: See—
 Griffin, V. E., assignor.
 Automatic Burner Corporation: See—
 Fortis, Oscar, assignor.
 Automatic Electric Laboratories, Inc.: See—
 Hadfield, Bertram M., assignor.
 Automatic Temperature Control Co., Inc.: See—
 Hunt, Walter L., assignor.
 Ayoub, Joseph A., San Francisco, Calif. Garment construction. 2,386,768; Oct. 16.

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B. B. Chemical Co.: See—
 Gregory, Frank S., Jr., assignor.
 Baar & Beards, Inc.: See—
 Nufer, Jacob, assignor.
 Badertscher, Darwin E.: See—
 Daley, H. G., Crowley, Badertscher, and Coonradt.
 Badertscher, Darwin E., Woodbury, N. J., H. L. Coonradt, Camp Lee, Va., and D. J. Crowley, Pennsgrove, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Separating hydrocarbons and making mercaptans. 2,386,769; Oct. 16.
 Badertscher, Darwin E., Woodbury, N. J., H. L. Coonradt, Camp Lee, Va., and D. J. Crowley, Pennsgrove, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Separating hydrocarbons and making mercaptans. 2,386,771; Oct. 16.
 Badertscher, Darwin E., Woodbury, N. J., H. L. Coonradt, Camp Lee, Va., and D. J. Crowley, Pennsgrove, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Separating hydrocarbons and making mercaptans. 2,386,772; Oct. 16.
 Badertscher, Darwin E., Woodbury, D. J. Crowley, Pennsgrove, and C. F. Feasley, Thorofare, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Separation of tertiary base olefins from hydrocarbon mixtures. 2,386,773; Oct. 16.
 Badertscher, Darwin E., Woodbury, N. J., H. L. Coonradt, Camp Lee, Va., and D. J. Crowley, Penns Grove, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Separating hydrocarbons and making mercaptans. 2,386,774; Oct. 16.
 Badertscher, Darwin E., Woodbury, N. J., H. L. Coonradt, Camp Lee, Va., and D. J. Crowley, Penns Grove, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Separating hydrocarbons and making mercaptans. 2,387,224; Oct. 16.
 Bailey Meter Company: See—
 Johnson, Clarence, assignor.
 Baker, Howard E.: See—
 Nelson, Walter O., assignor.
 Baker, Martin S., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen. 2,387,001; Oct. 16.
 Baldwin, William G., Pittsburgh, Pa. Level. 2,386,833; Oct. 16.
 Balzarini, Martin L., Rockport, Mass., assignor of one-fourth to B. H. Levenson, Washington, D. C. Edible product and its production. 2,386,775; Oct. 16.
 Bannister, Clyde E., Houston, Tex. Apparatus for cementing the wall of an earthboring. 2,387,002; Oct. 16.
 Barnby, Herbert A., and J. Hohl, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Jar feeding mechanism. 2,387,211; Oct. 16.
 Barnes, Charles H., Glendale, assignor to Lane-Wells Company, Los Angeles, Calif. Double seal packer. 2,387,003; Oct. 16.
 Barnsteiner, Alfons, and E. E. Sutherland, Mansfield, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating apparatus. 2,386,776; Oct. 16.
 Barnum, Leon N., C. A. Donnelly, and R. L. Maple, assignors to The National Cash Register Company, Dayton, Ohio. Mechanical device. 2,386,834; Oct. 16.
 Bassford, Henry H., Jr., Brooklyn, assignor to U. S. Shellac Importers Association, Inc., New York, N. Y. Modified shellac product and making same. 2,387,049; Oct. 16.
 Bead Chain Manufacturing Company, The: See—
 Blatz, Warren C., assignor.
 Beatty, Henry M., Shaker Heights, assignor to The Kelley Island Lime and Transport Company, Cleveland, Ohio. Kiln. 2,386,835; Oct. 13.
 Beauchamp, Wilfred A., and T. Madland, Chicago, Ill., assignors to The Youngstown Steel Door Company, Cleveland, Ohio. Car door and lock therefor. 2,387,109; Oct. 16.
 Beaumont Iron Works Company: See—
 Cooke, Edward F., assignor.
 Beck, Charles W., and J. W. Pick, assignors to The American Rolling Mill Company, Middletown, Ohio. Plate reversing mechanism. 2,386,925; Oct. 16.
 Bedford, Leslie H., L. Josef, and W. H. Stevens, assignors to A. C. Cosson Limited, London, England. Electrical apparatus. 2,387,110; Oct. 16.
 Bell, Julius C., Swampscott, Mass., assignor to General Electric Company. Dynamoelectric machine. 2,387,050; Oct. 16.
 Bell Laboratories, Incorporated: See—
 Hartley, Ralph V. L., assignor.

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Bell Telephone Laboratories, Incorporated: See—
Harrison, Henry C., assignor.
Lutomirski, Karel, assignor.
Skellert, Albert M., assignor.
Williams, Samuel B., assignor.
Bendix Aviation Corporation: See—
Davis, Robert J., assignor.
Gregg, George W., assignor.
Hood, E. Elliot, assignor.
Nardone, Romeo M., assignor.
Bennett, William O., Jr., Lancaster Township, Lancaster County, assignor to Hamilton Watch Company, Lancaster, Pa. Welding. 2,387,112; Oct. 16.
Bent, Franklin A., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Polyvinyl chloride composition. 2,387,111; Oct. 16.
Bentley, William W., Jr., New Carlisle, Ohio. Accelerometer. 2,386,777; Oct. 16.
Berry, Charles R., Vicksburg, assignor of one-half to H. A. Gamble, Greenville, Miss. Cotton harvesting machine. 2,387,004; Oct. 16.
Bersuder, John E.: See—
Waldie, W. A., and Bersuder.
Birdick, Philip A., Berkeley, Calif. Optical system. 2,387,113; Oct. 16.
Bjering, Olaf: See—
Rohli, J., and Bjering.
Blagden, Rudolph, Kennore, N. Y., assignor to Curtis-Wright Corporation. Cargo tie-down fitting. 2,386,836; Oct. 16.
Blakey, Angus R.: See—
Morgan, J. D., and Blakey.
Blatz, Warren D., assignor to The Bend Chain Manufacturing Company, Bridgeport, Conn. Making tubing. 2,387,051; Oct. 16.
Block, Richard J., Searsdale, N. Y., assignor to C. M. Armstrong, Inc. Separation of amino acids. 2,386,926; Oct. 16.
Blotom, Harvey L.: See—
Shideler, E. M., and Blotom.
Boedecker, Fred R., assignor of one-half to R. F. Boedecker, Tacoma, Wash. Trash burner. 2,387,005; Oct. 16.
Boedecker, Robert F.: See—
Boedecker, Fred R., assignor.
Bonbright, Howard, Grosse Pointe, and W. G. Gernandt, assignors to Briggs Manufacturing Company, Detroit, Mich. Engine. 2,387,114; Oct. 16.
Bond Crown & Cork Co.: See—
Hoffecker, John W., assignor.
Bone, Herbert L., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electric lock. 2,387,115; Oct. 16.
Bonnafé, Oliver W., assignor to The Lapointe Machine Tool Company, Hudson, Mass. Horizontal broaching machine. 2,386,837; Oct. 16.
Bonnafé, Oliver W., assignor to The Lapointe Machine Tool Company, Hudson, Mass. Broaching machine. 2,386,838; Oct. 16.
Bonneville, Limited: See—
Werner, Nathan, assignor.
Borchers, Herbert L.: See—
Hishon, P. D., Carter, Rayn, and Borchers.
Bord, James H., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separating dielectrics. 2,386,927; Oct. 16.
Briggs Manufacturing Company: See—
Bonbright, H., and Gernandt, assignors.
Gernandt, W. G., and Walden, assignors.
Tjarda, J., and Knibbe, assignors.
Bristol Company, The: See—
Hicks, James R., assignor.
British Celanese Limited: See—
Moncrieff, R. W., and Sammons, assignors.
Britton, Edgar C., and K. G. Harding, assignors to The Dow Chemical Company, Midland, Mich. Preparation of 2-amino-thiazole. 2,387,212; Oct. 16.
Broadner, Wilhelm B., Montclair, N. J. Heat deflecting means for internal-combustion engines. 2,387,052; Oct. 16.
Bronson, George A., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Bomb displacing gear. 2,386,839; Oct. 16.
Brown-Brockmeyer Company, The: See—
Brown, Steffen S., assignor.
Brown, Clyde E., Grafton, assignor to Parker Manufacturing Company, Worcester, Mass. Pinking shears. 2,387,053; Oct. 16.
Brown, Edward H., assignor to McInerney Spring & Wire Company, Grand Rapids, Mich. Line measuring and cutting machine. 2,386,928; Oct. 16.
Brown, Kenneth L., Long Beach, Calif. Trash and garbage receptacle. 2,386,929; Oct. 16.
Brown, Steffen S., assignor to The Brown-Brockmeyer Company, Dayton, Ohio. Motor construction. 2,386,930; Oct. 16.
Brown, Walter J.: See—
Arndt, J. P., Jr., Brown, and Williams.
Brozan, Newton, et al.: See—
Wolfers, Philip, assignor.

Bruce, Malcolm, assignor of one-half to R. W. Taylor, Plymouth, Mass. Radio antenna system. 2,387,116; Oct. 16.
Bruce Corporation: See—
Wallis, Marvin E., assignor.
Brush Development Company, The: See—
Arndt, J. P., Jr., Brown, and Williams, assignors.
Williams, Alfred L. W., assignor.
Brustolon, George E., Groton, Conn. Combination tweezers and magnifying device. 2,387,054; Oct. 16.
Bryant, Frank D., Stratford, Conn., assignor to General Electric Company. Electric switch for discharge lamps. 2,387,055; Oct. 16.
Buchanan, J. D., Burbank, Calif. Valve. 2,387,006; Oct. 16.
Buchanan, J. D., Burbank, Calif. Valve actuating system. 2,387,007; Oct. 16.
Buchanan, J. D., Burbank, Calif. Valve mechanism. 2,387,008; Oct. 16.
Buck, Arthur W., and J. W. Miller, assignors to Buck X-Ograph Company, St. Louis, Mo. Surface plate coatings. 2,387,056; Oct. 16.
Buck X-Ograph Company: See—
Buck, A. W., and Miller, assignors.
Budd Induction Heating, Inc.: See—
Somes, Howard E., assignor.
Buehler, Leon, Jr., assignor to Frick Company, Wayneboro, Pa. Refrigeration system. 2,387,117; Oct. 16.
Buffalo-Springfield Roller Co., The: See—
Greiner, C. F., and Harrison, assignors.
Bullfinch Iron Foundry: See—
Miner, Irving O., assignor.
Bunting Brass & Bronze Company, The: See—
Yager, George F., assignor.
Burns, Bruce, assignor to The Garrett Corporation, Alhambra Manufacturing Company division, Los Angeles, Calif. Oil cooler for aircraft. 2,387,057; Oct. 16.
Cadwell, Leon L.: See—
Williams, B. E., and Cadwell.
California Cedar Products Company: See—
Wilcox, William H., assignor.
Callander, Marshall E., Columbia, Mo. Atomizing apparatus. 2,387,118; Oct. 16.
Cameron Iron Works: See—
Allen, Herbert, assignor.
Carlson, Bert G., Gates Mills, assignor, by mesne assignments, to Jack & Helmtz, Inc., Cleveland, Ohio. Tow glider position indicator. 2,386,884; Oct. 16.
Carpenter, Frank T., Dearborn, Mich., assignor to Phillips Petroleum Company. Production of synthetic rubber. 2,386,931; Oct. 16.
Carson, Howard, Dayton, Ohio, assignor to Research Corporation, New York, N. Y. Vibration pickup. 2,387,223; Oct. 16.
Carter, William D.: See—
Hishon, P. D., Carter, Rayn, and Borchers.
Celanese Corporation of America: See—
Horback, William, assignor.
Cerny, Elmer J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Treatment of cotton fibers. 2,387,058; Oct. 16.
Chemical Developments Corporation: See—
Waldie, W. A., and Bersuder, assignors.
Chew, Clarence, and R. H. Lewis, II, Alton, Ill., assignors to Owens-Illinois Glass Company. Pour-out finishes for containers. 2,387,213; Oct. 16.
Chew, Frank D.: See—
Willmore, C. B., and Chew.
Ciba Pharmaceutical Products, Incorporated: See—
Hartmann, M., Cueni, Druey, and von Meyenburg, assignors.
Ruzicka, Leopold, assignor.
Cincinnati Planer Company, The: See—
Daugherty, Jesse, assignor.
Cities Service Oil Company: See—
Morgan, John D., assignor.
Morgan, J. D., and Blakey, assignors.
Clafey, Joseph B., Philadelphia, Pa., assignor to The United Gas Improvement Company. Fractionation control. 2,386,778; Oct. 16.
Clare, C. P., & Co.: See—
Horlacher, Albert F., assignor.
Clark, Louis, assignor to Protecto Products Co. Inc., Pomona, Calif. Seat-cover package. 2,387,059; Oct. 16.
Clarkson, Ralph P., Milford, Conn. Rail fastening. 2,387,009; Oct. 16.
Clausen, Henry P., White Plains, N. Y., assignor to The Gray Manufacturing Company, Hartford, Conn. Sound transcription machine. 2,387,010; Oct. 16.
Clerk, Edouard, assignor to The Robert Mitchell Co. Limited, Montreal, Quebec, Canada. Insulating window. 2,387,119; Oct. 16.
Cohen, Harold, Elizabeth, N. J. Tower or mast construction. 2,387,120; Oct. 16.
Colegrove, Charles E., Lakewood, Ohio, assignor to Sears, Roebuck and Company, Chicago, Ill. Presser bar vibrating device for darning. 2,386,840; Oct. 16.

Coleman, Gerald H., W. D. Schroeder, and G. A. Griess, assignors to The Dew Chemical Company, Midland, Mich. Insecticidal compositions. 2,386,779; Oct. 16.
Columbia Mills, Inc.: See—
Shirley, Clifford H., assignor.
Commercial Solvents Corporation: See—
Hines, George E., Jr., assignor.
Senkus, Murray, assignor.
Consolidated Engineering Corporation: See—
Zalkowsky, W. M., and Metcalf, assignors.
Continental Can Company, Inc.: See—
O'Brien, F. J., and Maier, assignors.
Cooke, Edward F., assignor to Beaumont Iron Works Company, Beaumont, Tex. Well completion apparatus. 2,386,841; Oct. 16.
Coonrad, Harry L.: See—
Badertscher, D. E., Coonrad, and Crowley.
Daley, H. G., Crowley, Badertscher, and Coonrad.
Cooper, Daniel W., Waltham Chase, assignor to Cunliffe-Owen Aircraft, Limited, Swaythling, near Southampton, England. Release link. 2,386,932; Oct. 16.
Corbi, Joseph L., Washington, D. C. Shirt. 2,387,060; Oct. 16.
Cordell, John W., Oklahoma City, Okla. Sheet folding. 2,386,933; Oct. 16.
Corey, Lorin A., Cleveland Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Machining parts. 2,387,214; Oct. 16.
Cornutt, Ora R., Lees Summit, Mo. Automatic display apparatus. 2,387,121; Oct. 16.
Coser, A. C., Limited: See—
Bedford, L. H., Jofeh, and Stevens, assignors.
Cowham Engineering Company: See—
Gibson, Estell L., assignor.
Cramer, Paul L., Highland Park, assignor to General Motors Corporation, Detroit, Mich. Isomerization of olefins. 2,386,934; Oct. 16.
Crane Co.: See—
Fawkes, Donald G., assignor.
Troedson, Waldemar H., assignor.
Crawford, Arthur R.: See—
Lundberg, G. E., and Crawford.
Crompton & Knowles Loom Works: See—
Darwin, C., assignor.
Turner, Richard G., assignor.
Cross, Bert S., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Sheeted cellulosic material and abrasive article and making the same. 2,386,780; Oct. 16.
Crotty Manufacturing Corporation: See—
Crotty, Michael C., assignor.
Crotty, Michael C., Flushing, assignor to Crotty Manufacturing Corporation, New York, N. Y. Boiler amplifier. 2,386,842; Oct. 16.
Crowley, Duncan J.: See—
Badertscher, D. E., Coonrad, and Crowley.
Badertscher, D. E., Crowley, and Fawley.
Daley, H. G., Crowley, Badertscher, and Coonrad.
Cueni, Franz: See—
Hartmann, M., Cueni, Druey, and von Meyenburg.
Cunliffe-Owen Aircraft, Limited: See—
Cooper, Daniel W., assignor.
Curtis-Wright Corporation: See—
Blagden, Rudolph, assignor.
Czerner, Severin F., Kings Mill, Tex. Tank gauge and filling device. 2,387,011; Oct. 16.
Daley, Donald E., Germantown, assignor to Phibes Corporation, Philadelphia, Pa. Refrigerator cabinet. 2,386,935; Oct. 16.
Daley, Henry G., Woodbury Heights, D. J. Crowley, Pennsgrove, D. E. Badertscher, Woodbury, N. J., and H. L. Coonrad, Camp Lee, Va., assignors to Socony-Vacuum Oil Company, Incorporated. Purification of butadiene. 2,386,770; Oct. 16.
Daly, Webster J., Los Angeles, Calif. Photographic apparatus. 2,386,781; Oct. 16.
Dannenberg, Hans: See—
Adelson, D. E., and Dannenberg.
Darwin, Clifford, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread control for weft replenishing mechanism. 2,387,122; Oct. 16.
Daugherty, Jesse, assignor to The Cincinnati Planer Company, Cincinnati, Ohio. Tool lifter for machine tools. 2,387,012; Oct. 16.
Davies & Metcalf Limited: See—
Metcalf, Richard D., and J. C., assignors.
Davis, Raymond E., Berkeley, Calif., assignor to Kalman Floor Company, Inc., New York, N. Y. Apparatus for surfacing plastic bodies. 2,386,943; Oct. 16.
Davis, Robert J., Lutherville, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Keying system. 2,386,944; Oct. 16.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain pyridinium compounds and making the same. 2,386,936; Oct. 16.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Urea pyridinium compounds. 2,386,937; Oct. 16.
Devan, Albert, Kirkland Lake, Ontario, Canada. Ash removal and sifting device. 2,386,938; Oct. 16.

Deming, George M., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Breathing apparatus. 2,387,123; Oct. 16.
Dennison, Edward S., New London, assignor to Electric Boat Company, Groton, Conn. Torpedo launching gear. 2,387,124; Oct. 16.
Derby, John H., Searsdale, N. Y. Release box. 2,387,125; Oct. 16.
Desmet, John P., Modesto, Calif. Rivet applying tool. 2,386,939; Oct. 16.
Dewhurst, Paul A.: See—
Hamer, Leland S., assignor.
Diezel, Willy, Fairfield, assignor to The Max Ams Machine Company, Bridgeport, Conn. Cover feeding and marking device. 2,386,845; Oct. 16.
Dillon, Stephen V., Tulsa, Okla. Remote control locking means. 2,387,126; Oct. 16.
Dodd, Arthur E., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 2,387,127; Oct. 16.
Dodge Manufacturing Corporation: See—
Lower, Donald P., assignor.
Doehring, Walter M., assignor to The Sheffield Corporation, Dayton, Ohio. Tool. 2,387,128; Oct. 16.
Donnelly, Charles A.: See—
Barnum, L. N., Donnelly, and Maple.
Douglas Aircraft Company, Inc.: See—
Bronson, George A., assignor.
Ostergren, Ralph H., assignor.
Dow Chemical Company, The: See—
Britton, E. C., and Harding, assignors.
Coleman, G. H., Schroeder, and Griess, assignors.
Stalker, Edward A., assignor.
Wright, Norman, assignor.
Downing Box Company: See—
Richards, J. R., and Evert, assignors.
Downs, Charles D., Woodbury, and H. F. Saunders, Hadonfield, N. J., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Pigments and making the same. 2,386,885; Oct. 16.
Drane, Phillips B., Tulsa, Okla. Gasket for pressure relief disk valves. 2,386,940; Oct. 16.
Dray, Sheldon: See—
Marisic, M. M., and Dray.
Druey, Jean: See—
Hartmann, M., Cueni, Druey, and von Meyenburg.
Dufay-Chromex Limited: See—
Glack, Bruno, assignor.
Dunham, George S., Merion, Pa., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for catalytic hydrocarbon conversion. 2,386,846; Oct. 16.
Du Pont, E. I., de Nemours & Company: See—
Hartford, William E., assignor.
E. A. B. Incorporated: See—
Adams, H. A., and Eichelberger, assignors.
Eagle Pencil Company: See—
Hart, Benjamin W., assignor.
Eagle, William S., Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Azo dyestuffs of the stilbene series. 2,386,847; Oct. 16.
Earle, Ralph H., Wauwatosa, and R. H. Amundson, Milwaukee, assignors to Line Material Company, South Milwaukee, Wis. High voltage circuit interrupter. 2,386,886; Oct. 16.
Eckel, Oliver C., Cambridge, Mass. Supporting clip. 2,386,887; Oct. 16.
Edahl, Knute: See—
Holland, C. J., and Edahl.
Eddy, Harold C., Los Angeles, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Apparatus for desalting oil. 2,386,941; Oct. 16.
Edelman, Abraham, New York, N. Y. Electric signaling device. 2,386,942; Oct. 16.
Ederer, Lothar A.: See—
Runquist, E. M., and Ederer.
Ederer, E. J., Company: See—
Runquist, E. M., and Ederer, assignors.
Edwards, G. Alfred: See—
Hunt, Charles T., assignor.
Egelman, Max, New York, N. Y. Photographic printing frame. 2,386,988; Oct. 16.
Eichelberger, Merrill: See—
Adams, H. A., and Eichelberger.
Eisengrein, Harry F., Rochester, N. Y., assignor to The Glidden Company, Cleveland, Ohio. Extruding and apparatus therefor. 2,386,782; Oct. 16.
Elderfield, Robert C., Hastings on Hudson, and F. C. Uhle, New York, N. Y., assignors to Eli Lilly and Company, Indianapolis, Ind. Derivatives of β -(3-hydroxy-5-pentanopolylhydrophenanthrene) - 4,4'-butyrolactones. 2,386,783; Oct. 16.
Electric Boat Company: See—
Dennison, Edward S., assignor.
Elliott, Carleton R.: See—
Johnson, C. E., and Elliott.
Endress, Frederick A., assignor to Tuff-Hard Corporation, Detroit, Mich. Heat-treating furnace. 2,387,129; Oct. 16.
Erickson, Oliver A., Jamestown, N. Y. Ski. 2,387,061; Oct. 16.
Evert, Charles W.: See—
Richards, J. R., and Evert.

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Famolare, Joseph P., Chestnut Hill, Mass. Shoe. 2,386,786; Oct. 16.
 Fawkes, Donald G., Chicago, Ill., assignor to Crane Co., Chicago, Ill. Valve operating system. 2,387,215; Oct. 16.
 Feasley, Charles F.: See—
 Badertscher, D. E., Crowley, and Feasley.
 Federal Telephone & Radio Corporation: See—
 Snelaw, Otto, assignor.
 Sherman, Vernon W., assignor.
 Feild, Alexander L., Towson, Md., assignor to Rustless Iron and Steel Corporation. Alloy process. 2,387,130; Oct. 16.
 Felix, Fremont and A. C. Hugin, Schenectady, N. Y., assignors to General Electric Company. Dynamoelectric machine. 2,387,062; Oct. 16.
 Fellows Gear Shaper Company, The: See—
 Miller, Edward W., assignor.
 Fernandez, Pedro E. G., Mexico City, Mexico. Indirect seam or suture for wounds. 2,387,131; Oct. 16.
 Flesch, Norman, assignor to American Steel Foundries, Chicago, Ill. Brakehead balancing device. 2,387,132; Oct. 16.
 Food Machinery Corporation: See—
 Kalmar, Arthur F., assignor.
 Kerr, Charles E., assignor.
 Ford, Allen G.: See—
 Peterson, W. R., and Ford.
 Forrest, Mark L., Portland, Oreg. Chain saw. 2,387,064; Oct. 16.
 Fortis, Oscar, Chicago, Ill., assignor to Automatic Burner Corporation. Burner. 2,386,848; Oct. 16.
 Foster, Carl, East St. Louis, assignor to American Steel Foundries, Chicago, Ill. Peephole box. 2,387,133; Oct. 16.
 Fourness, Charles A., Appleton, and C. H. Reichel, assignors to Paper Patents Company, Neenah, Wis. Wadding roll tightener. 2,386,943; Oct. 16.
 Fox, John J., Chicago, Ill. Forming T-head columns. 2,387,134; Oct. 16.
 Fragen, Nathan, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Isomerization. 2,386,784; Oct. 16.
 Fraim, Everett G.: See—
 Sprague, R. M., and Fraim.
 Frankel, Jack, Brooklyn, N. Y. Automatic grip for life-saving devices. 2,386,849; Oct. 16.
 Frick Company: See—
 Buehler, Leon, Jr., assignor.
 Friedman, Bernard S., assignor to Universal Oil Products Company, Chicago, Ill. Recovering hydrogen halide. 2,386,944; Oct. 16.
 Friedman, Herbert, Washington, D. C. Measuring X-ray diffraction patterns. 2,386,785; Oct. 16.
 Fruth, Hal F., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Grinding small objects. 2,387,135; Oct. 16.
 Fruth, Hal F., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Method and apparatus for edge grinding small objects. 2,387,136; Oct. 16.
 Fruth, Hal F., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Finishing piezoelectric crystals. 2,387,137; Oct. 16.
 Fruth, Hal F., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Grinding method and apparatus. 2,387,138; Oct. 16.
 Fruth, Hal F., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Apparatus for edge grinding small objects. 2,387,139; Oct. 16.
 Fruth, Hal F., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Method and apparatus for finish grinding piezoelectric crystals. 2,387,140; Oct. 16.
 Fruth, Hal F., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Making piezoelectric crystal structures. 2,387,141; Oct. 16.
 Fruth, Hal F., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Crystal grinding and etching. 2,387,142; Oct. 16.
 Fuller, Joseph C., Newton, Mass. Making turncocks. 2,387,013; Oct. 16.
 Furry, John F., assignor to Outboard, Marine & Manufacturing Company, Galesburg, Ill. Coil assembly. 2,386,889; Oct. 16.
 Gagnebin, Albert P., Red Bank, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Work hardening alloy steel. 2,386,890; Oct. 16.
 Gaines, Oliver I.: See—
 Hale, F. B., and Gaines.
 Gallaher, Andrew J., St. Louis, Mo. Sectional boiler. 2,386,945; Oct. 16.
 Galvin Manufacturing Corporation: See—
 Fruth, Hal F., assignor.
 Gamble, Hugh A.: See—
 Berry, Charles R., assignor.
 Garrett Corporation, Alresearch Manufacturing Company, The: See—
 Burns, Bruce, assignor.
 Gaudreau, Oliver E., and H. Michelsen, Bristol, Conn., assignors to General Motors Corporation, Detroit, Mich. Grinding machine. 2,386,850; Oct. 16.

Gaub, Harry M., and R. K. Geasford, assignors to Sylvania Electric Products Inc., Emporium, Pa. Electron gun and the like. 2,386,790; Oct. 16.
 Geertsen, Nelson, Chicago, Ill., assignor to American Can Company, New York, N. Y. Closing machine. 2,386,787; Oct. 16.
 Geldhof, Peter E., and L. Ringer, assignors to Nineteen Hundred Corporation, St. Joseph, Mich. Suspension means for automatic washers. 2,386,788; Oct. 16.
 General Electric Company: See—
 Bell, Julius C., assignor.
 Bryant, Frank D., assignor.
 Felix, F., and Hugin, assignor.
 Hugin, Adolph C., assignor.
 Viennet, Jacob J., assignor.
 General Fireproofing Company, The: See—
 Straubel, Clarence W., assignor.
 General Manifold & Printing Co.: See—
 Lewis, Edward Z., assignor.
 General Motors Corporation: See—
 Cramer, Paul L., assignor.
 Gaudreau, O. E., and Michelsen, assignors.
 Howe, John D., assignor.
 Mancini, Joseph L., assignor.
 Sarafian, Karl, assignor.
 Trott, James, assignor.
 Gernandt, Waldo G.: See—
 Bonbright, H., and Gernandt.
 Gernandt, Waldo G., and A. E. Walden, assignors to Briggs Manufacturing Company, Detroit, Mich. Engine. 2,387,143; Oct. 16.
 Gessford, Ross K.: See—
 Gaub, H. M., and Geasford.
 Gey, William H., Boston, Mass. Electric flashlight. 2,387,144; Oct. 16.
 Gibson, Estell L., Park Ridge, assignor to Cowham Engineering Company, Chicago, Ill. Rotary kiln. 2,387,014; Oct. 16.
 Gilbertson, Olaf, Matawan, N. J. Electric swivel. 2,387,015; Oct. 16.
 Gieve, Frank J.: See—
 Stone, M. D., and Gieve.
 Glidden Company, The: See—
 Eisengrein, Harry F., assignor.
 Globe Woven Belting Co.: See—
 Wetherbee, Burt W., assignor.
 Gluck, Bruno, Elstree, assignor to Dufay-Chromex Limited, London, England. Production of colored photographic images by color-development. 2,387,145; Oct. 16.
 Goodrich, B. F., Company, The: See—
 Cerny, Elmer J., assignor.
 Jansen, Jacob E., assignor.
 Stewart, W. D., assignor.
 Wigal, Voorhis F., assignor.
 Zwicker, Benjamin M. G., assignor.
 Gray Manufacturing Company, The: See—
 Clausen, H. P., assignor.
 Greenwald, Bernard, New York, N. Y. Chuck and hose protector. 2,386,791; Oct. 16.
 Gregg, George W., assignor to Bendix Aviation Corporation, South Bend, Ind. Cleaning composition. 2,386,789; Oct. 16.
 Gregory, Frank S., Jr., Arlington, assignor to B. B. Chemical Co., Boston, Mass. Machine for making preforms. 2,386,891; Oct. 16.
 Greiner, Carl F. and J. F. Harrison, assignors to The Buffalo-Springfield Roller Co., Springfield, Ohio. Drive roll assembly. 2,386,946; Oct. 16.
 Griess, Gerald A.: See—
 Coleman, G. H., Schroeder, and Griess.
 Griffin, Victor E., Cicero, Ill., assignor to Atlas Press Company, Kalamazoo, Mich. Toolholder. 2,386,851; Oct. 16.
 Griscom Russell Company, The: See—
 Ris, Kenneth B., assignor.
 H & B American Machine Company: See—
 Roddy, Fred M., assignor.
 Haberl, Herbert W., Hampstead, Quebec, Canada. Multiple signalling carrier system with relaying protection. 2,387,146; Oct. 16.
 Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic dehydrogenation process. 2,386,947; Oct. 16.
 Hadfield, Bertram M., Harrow Weald, England, assignor to Automatic Electric Laboratories Inc. Selective amplifier or oscillator. 2,386,892; Oct. 16.
 Haensel, Vladimir: See—
 Ipatieff, V. N., and Haensel.
 Hale, Frank B., and O. I. Gaines, Edgewood Arsenal, Md., assignors to Patrick J. Hurley, Secretary of War, of the United States, as trustee for The United States of America. Apparatus for producing fibrous filters. 2,386,792; Oct. 16.
 Hall, Helen J., Jr.: See—
 Hall, Willard C., Jr.
 Hall, James B., Nashville, Tenn. Ship launching device. 2,387,147; Oct. 16.
 Hall, Willard C., Jr., assignor to Helen J. Hall, Jr., Los Angeles, Calif. Magnetic polarity changing circuit. 2,387,016; Oct. 16.

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Halperin, J. Stanley, et al.: See—
 Walters, Philip, assignor.
 Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhurst, Los Angeles, Calif. Line blind. 2,386,893; Oct. 16.
 Hamilton Watch Company: See—
 Bennett, William O., Jr., assignor.
 Hanford, William E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic polysilicon esters. 2,386,793; Oct. 16.
 Hanle, Benjamin W., Elizabeth, N. J., assignor to Eagle Pencil Company. Typewriter eraser. 2,386,948; Oct. 16.
 Harding, Kenneth G.: See—
 Britton, E. C., and Harding.
 Harding, Lloyd E., Bradley Beach, N. J., assignor of one-fifth to E. J. Lada, Woodhaven, N. Y., and one-fifth to W. A. Zalesak, Union, N. J. Mounting. 2,387,065; Oct. 16.
 Harding, Lloyd E., Bradley Beach, N. J., assignor of one-fifth to E. J. Lada, Woodlawn, N. Y., and one-fifth to W. A. Zalesak, Union, N. J. Mount support. 2,387,066; Oct. 16.
 Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric switch. 2,387,017; Oct. 16.
 Harrison, John F.: See—
 Greiner, C. F., and Harrison.
 Hartley, Croydon H. A., Garden City, N. Y., assignor to Republic Aviation Corporation. Loading ammunition containers. 2,386,894; Oct. 16.
 Hartley, Ralph V. L., Summit, N. J., assignor to Bell Laboratories, Incorporated, New York, N. Y. Communication system. 2,387,018; Oct. 16.
 Hartmann, Max, Riehen, F. Cueni, Basel, J. Druey, Riehen, and H. von Meyenburg, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Sulphonamides and making same. 2,386,852; Oct. 16.
 Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Combined spring and friction shock absorber. 2,386,895; Oct. 16.
 Hass, Henry B., West Lafayette, Ind., and W. R. McElroy, Beacon, N. Y., assignors to Purdue Research Foundation, Lafayette, Ind. Aliphatic dinitro tetrols. 2,387,019; Oct. 16.
 Hayward, Henry W., Irondequoit, N. Y. Liquid heater. 2,386,949; Oct. 16.
 Heard, Llewellyn: See—
 Oblad, A. G., and Heard.
 Heath, Herbert P., Riverside, and K. A. Weston, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Welding apparatus. 2,387,067; Oct. 16.
 Hegnauer, Paul, Berlin, Germany, assignor to Ruf-Buchhaltung Aktiengesellschaft, Zurich, Switzerland. Attachment for typewriting machines. 2,387,068; Oct. 16.
 Helme, Thomas, Albany, N. Y. Motorcycle brake actuator. 2,387,020; Oct. 16.
 Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Tilttable dynamometer. 2,387,148; Oct. 16.
 Hendershot, Lewis B., Pittsfield, Mass. Reproducing device. 2,387,021; Oct. 16.
 Hennessey, James J., Montclair, N. J. Pump valve structure. 2,386,794; Oct. 16.
 Henney Motor Company: See—
 Schofield, E. L., assignor.
 Herkenhoff, Earl C., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Flotation of iron ores. 2,387,081; Oct. 16.
 Herrmann, Max, Chicago, Ill. Toy. 2,386,853; Oct. 16.
 Herrstrom, Hjalmar Q., Rock Island, Ill., assignor to International Harvester Company. Harvester reel. 2,387,069; Oct. 16.
 Hess, Frederic O., Germantown, and R. E. B. Wakefield, Aldan, Pa., assignors to Selas Corporation of America. Heater. 2,387,022; Oct. 16.
 Hickman, Albert F., assignor to Hickman Pneumatic Seat Co., Inc., Eden, N. Y. Spring suspension for railroad cars. 2,386,795; Oct. 16.
 Hickman Pneumatic Seat Co. Inc.: See—
 Hickman, Albert F., assignor.
 Hicks, James R., Waterbury, assignor to The Bristol Company, New Haven, Conn. Adjusting profiles. 2,387,149; Oct. 16.
 Hilblom, Samuel E., Chicago, Ill., assignor to International Harvester Company. Mower. 2,387,070; Oct. 16.
 Hill, Francis A., 2nd: See—
 Hill, Myron F. and F. A.
 Hill, Myron F. and F. A., 2nd, Westport, Conn. Balanced compressor. 2,386,896; Oct. 16.
 Hillyer, John C.: See—
 Schulze, W. A., and Hillyer.
 Hilton, William, Seattle, Wash. Curtain bracket. 2,386,854; Oct. 16.
 Hines, George E., Jr., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Recovery of riboflavin. 2,387,023; Oct. 16.

Hishon, Patrick D., W. D. Carter, and T. N. Rayn, Berkeley, and H. L. Borchers, assignors to Shell Development Company, San Francisco, Calif. Pressure vessel and support. 2,387,024; Oct. 16.
 Hitchcock, Rex B., Evanston, and A. H. Keller, Moline, Ill., assignors to International Harvester Company. Harvester reel mounting. 2,387,071; Oct. 16.
 Hlavaty, Rudolf F., Cicero, Ill. Material handling apparatus. 2,387,150; Oct. 16.
 Hoeffcker, John W., Wilmington, Del., assignor to Bond Crown & Cork Co. Extruding device. 2,386,796; Oct. 16.
 Hoffmann, Edward L., Chicago, Ill. Open window guard. 2,387,025; Oct. 16.
 Hohl, John: See—
 Barnby, H. A., and Hohl.
 Hohl, John, and O. Bjerling, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Jar capping apparatus. 2,386,797; Oct. 16.
 Holland Company: See—
 Holland, C. J., and Edahl, assignors.
 Holland, Cyrus J., and Knute Edahl, Chicago, Ill., assignors to Holland Company. High-speed railway car truck. 2,387,072; Oct. 16.
 Holman, Aaron, et al.: See—
 Wolfers, Philip, assignor.
 Hood, E. Elliot, Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Variable-speed gearing for washing machines. 2,387,216; Oct. 16.
 Hopkins, Nevil M., deceased, New York, N. Y.; R. B. Hopkins, executor. Protecting ships at sea. 2,386,950; Oct. 16.
 Hopkins, Raymonde B., executor: See—
 Hopkins, Nevil M.
 Horback, William, Newark, N. J., assignor to Celanese Corporation of America. Materials impermeable to ultra-violet light. 2,386,855; Oct. 16.
 Horlacher, Albert F., Palatine, assignor to C. P. Clare & Co., Chicago, Ill. Rotor for electric motors. 2,387,073; Oct. 16.
 Houston Corporation, The: See—
 Houston, Herbert W., assignor.
 Houston, Herbert W., Sherman Oaks, assignor to The Houston Corporation, Los Angeles, Calif. Method of and apparatus for processing photographic film. 2,386,856; Oct. 16.
 Houston, Herbert W., Sherman Oaks, assignor to The Houston Corporation, Los Angeles, Calif. Positive reversal process. 2,386,857; Oct. 16.
 Houston, Herbert W., Sherman Oaks, assignor to The Houston Corporation, Los Angeles, Calif. Positive reversal process. 2,386,858; Oct. 16.
 Howe, John D., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Making bearings. 2,386,951; Oct. 16.
 Hroch, James C., Jr., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material working apparatus. 2,387,074; Oct. 16.
 Hughes, Everett C., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Recovery of catalysts. 2,386,798; Oct. 16.
 Hughes, Everett C., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Cutting oils. 2,386,952; Oct. 16.
 Hugin, Adolph C.: See—
 Felix, F., and Hugin.
 Hugin, Adolph C., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,387,063; Oct. 16.
 Hunt, Charles T., Murrayville, assignor of one-half to G. A. Edwards, Manchester, Ill. Wire fence staple. 2,386,953; Oct. 16.
 Hunt, Walter L., assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Controlling system for regulators. 2,386,799; Oct. 16.
 Huntington, Richard L., Norman, Okla., assignor to Phillips Petroleum Company. Catalyst chamber. 2,387,026; Oct. 16.
 Hutaft, George H., Jr., Wilmington, N. C. Bottle carrier. 2,386,859; Oct. 16.
 Hutaft, George H., Jr., Wilmington, N. C. Bottle cap and release therefor. 2,386,860; Oct. 16.
 Hydraulic Development Corp., Inc., The: See—
 MacMillin, Howard F., assignor.
 Summers, Otto M., assignor.
 Ilford Limited: See—
 Kendall, John D., assignor.
 Illett, Ilion, Detroit, Mich. Shade and curtain bracket. 2,386,861; Oct. 16.
 Industrial Patents Corporation: See—
 Scott, Everett C., assignor.
 Williams, E. E., and Cadwell, assignors.
 Industrial Rayon Corporation: See—
 Corey, Lorin A., assignor.
 Ingalls, David, Westfield, assignor to Titeflex, Inc., Newark, N. J. Flexible connection. 2,386,862; Oct. 16.
 Inslee, Heber C., East Orange, N. J., assignor, by mesne assignments, to Rockrite Processes, Inc., Stamford, Conn. Reducing mill. 2,386,863; Oct. 16.

Inake, Heber C., assignor, by mesne assignments, to Rockrite Processes, Inc., Stamford, Conn. Steadier for elongated workpieces and mandrel bars. 2,386,864; Oct. 16.

International Harvester Company: See—
Herrstrom, Hjalmar O., assignor.
Hillblom, Samuel E., assignor.
Hitchcock, R. B., and Keller, assignors.
Lundberg, G. E., and Crawford, assignors.
Schmied, William F., assignor.

International Nickel Company, The: See—
Gagnebin, Albert P., assignor.

Ipatoff, Vladimir M., and V. Haensel, assignors to Universal Oil Products Company, Chicago, Ill. Dehydrocyclization of aliphatic hydrocarbons. 2,386,957; Oct. 16.

Jack & Heintz, Inc.: See—
Carlson, Bert G., assignor.

Jackson, Arthur C., Swarthmore, Pa., assignor to L. V. Whistler, Kenmore, N. Y. Interchangeable punch and die. 2,387,027; Oct. 16.

Jackson, James O., Crafton, Pa., assignor to Pittsburgh-Des Moines Company. Spherical type insulated container for liquefied gases. 2,386,958; Oct. 16.

Jacobs, Charles T., Orange, N. J. Cocktail shaker. 2,387,151; Oct. 16.

Jansen, Jacob E., Akron, Ohio, assignor to The U. F. Goodrich Company, New York, N. Y. Stabilization of di (alkylthiazyl) disulphides. 2,386,959; Oct. 16.

Jeffrey Manufacturing Company, The: See—
Lee, Arthur L., assignor.

Steinmetz, Walter C., assignor.

Jellinek, George, Philadelphia, N. J. Automatic chuck device. 2,386,960; Oct. 16.

Jerome, Arthur L., Edgewood, and L. V. Lewis, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,387,152; Oct. 16.

Jewell, Howard W., Los Angeles, Calif. Pipe joint and device therefor. 2,386,865; Oct. 16.

Jobin, Bernard, Arlesheim, near Basel, assignor to Société Suisse d'Electricité et de Traction, Basel, Switzerland. Electric signaling plant for vehicle traffic. 2,386,866; Oct. 16.

Jofeh, Lionel: See—
Bedford, L. H., Jofeh, and Stevens.

John-Manville Corporation: See—
Pearce, G. T., and Rhodes, assignors.

Johnson, Carl W., Brooklyn, N. Y., assignor to American Machine and Foundry Company. Sewing machine. 2,386,800; Oct. 16.

Johnson, Carle A., Laconia, N. H. Motorcycle fluid drive. 2,387,076; Oct. 16.

Johnson, Clarence, South Euclid, Ohio, assignor to Bailey Meter Company. Machine tool control. 2,387,075; Oct. 16.

Johnson, Clifford E., Medway, and C. R. Elliott, Dayton, Ohio. Gun cooking device. 2,386,801; Oct. 16.

Johnson, Frederick W., East Orange, N. J. Self-locking stand or the like. 2,386,897; Oct. 16.

Johnson, George V., assignor to Willamette Hyster Company, Portland, Oreg. Lift truck. 2,387,077; Oct. 16.

Johnson, James M., New York, N. Y., assignor to Nostrip Inc. Bitumen treating agent. 2,386,867; Oct. 16.

Johnson, Louis G., Gerrards Cross, and A. G. Rose, said Rose assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Apparatus for training gunners. 2,387,153; Oct. 16.

Johnson, Melvin M., et al., trustees: See—
Johnson, Melvin M., Jr., assignor.

Johnson, Melvin M., Jr., assignor to M. M. Johnson, Brookline, and M. M. Johnson, Jr., and E. E. Rice, as trustees of the Johnson Patent Trust, Boston, Mass. Five-arm foregrip. 2,386,802; Oct. 16.

Johnson Patent Trust: See—
Johnson, Melvin M., Jr.

Jutte, William B., Los Angeles, Calif. Cooling fluids on boats and the like. 2,386,803; Oct. 16.

Kalmar, Arthur F., Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Treating fruit. 2,386,954; Oct. 16.

Kalman Floor Company, Inc.: See—
Davis, Raymond E., assignor.

Kalwitz, Herman C., Park Ridge, Ill. Joining bus bars. 2,387,154; Oct. 16.

Kamborian, Jacob S., West Newton, Mass. Lasting shoes. 2,387,028; Oct. 16.

Karassik, Igor J., South Orange, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Centrifugal pump. 2,386,898; Oct. 16.

Karczewski, Alexander S., North Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 2,386,868; Oct. 16.

Katzman, Max, Brooklyn, N. Y. Electric vaporizer. 2,387,155; Oct. 16.

Katzman, Max, Brooklyn, N. Y. Electric vaporizer. 2,387,156; Oct. 16.

Kelser, Bernhard: See—
DeGroote, M., and Kelser.

Keller, Arthur H.: See—
Hitchcock, R. B., and Keller.

Kelley Island Lime and Transport Company, The: See—
Beatty, Henry M., assignor.

Kellman, Bernard, Chicago, Ill. Reel. 2,387,029; Oct. 16.

Kendall, John D., assignor to Ilford Limited, Ilford, England. Manufacture of 1,2,3,4-tetrazole compounds. 2,386,869; Oct. 16.

Kerr, Charles E., Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif. Corn cutter. 2,386,955; Oct. 16.

Kingman, Russell B., Orange, N. J. Mute for stringed musical instruments. 2,386,899; Oct. 16.

Kingman, Russell B., Orange, N. J. Scourer for kitchen utensils. 2,386,900; Oct. 16.

Klapp, Paul: See—
Klapp, William and P. Klapp, East Canton, Ohio. Program timer. 2,386,956; Oct. 16.

Kline, John E., Grosse Pointe Farms, assignor to Micromatic Hone Corporation, Detroit, Mich. Adjustable feed for tools. 2,386,901; Oct. 16.

Knibbe, Klaas: See—
Fleardo, J., and Knibbe.

Knowlton, Cutler D., Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Method of and machine for attaching soles. 2,386,902; Oct. 16.

Kolodny, Charles, Baltimore, Md. Card table. 2,387,030; Oct. 16.

Koppenhoefer, Robert M., Jackson Heights, assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Emulsified petroleum products. 2,387,157; Oct. 16.

Koppers Company, Incorporated: See—
Shaw, Joseph A., assignor.

Kosonowski, Henry N., Collingswood, N. J., assignor to Radio Corporation of America. Coaxial lead resistor for ultra high frequency measurements. 2,387,158; Oct. 16.

Kurawski, Alfred G. F., Brooklyn, N. Y., assignor to Underwood Corporation. Typewriting machine. 2,387,078; Oct. 16.

Lade, Edmund J., et al.: See—
Harding, Lloyd E., assignor.

Lake, Simon, deceased, Milford, Conn., T. A. E. Lake, administrator. Apparatus for molding tubular concrete bodies. 2,386,904; Oct. 16.

Lake, Thomas A. E., administrator: See—
Lake, Simon.

Laliberte, Albert J., Naugatuck, assignor to Safety-Fuel Incorporated, West Cheshire, Conn. Solidified normally liquid materials. 2,386,804; Oct. 16.

Laliberte, Albert J., Naugatuck, assignor to Safety-Fuel Incorporated, West Cheshire, Conn. Solidified normally liquid hydrocarbons. 2,386,805; Oct. 16.

Lambert Brake Corporation: See—
Farrett, Dent, assignor.

Lane-Wellis Company: See—
Barnes, Charles H., assignor.

LaPointe Machine Tool Company, The: See—
Oct. 16.

Lasaden, Gail A., Woodburn, Oreg. Headrest. 2,387,079; Oct. 16.

LaPointe Machine Tool Company, The: See—
Bonnafant, Oliver W., assignor.

Lawton, Jarvis K., Allentown, Pa. Drain pipe cleaning gun. 2,386,870; Oct. 16.

Ledoux, Robert F., Springfield, Mass. Reproduction method. 2,386,806; Oct. 16.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Mining machine. 2,387,159; Oct. 16.

Lehman, Max I., New York, N. Y. Child's garment. 2,386,871; Oct. 16.

Leslie, John H., H. Winnetka, assignor to Stewart-Warner Corporation, Chicago, Ill. Pressure responsive switch. 2,386,807; Oct. 16.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Self-locking differential. 2,387,031; Oct. 16.

Le Tourneau, R. G., Inc.: See—
Le Tourneau, R. G., assignor.

Levaggi, Victor J., Jr., Beverly, Mass., assignor to United Last Company, Portland, Maine. Two-part last. 2,386,808; Oct. 16.

Levenson, Bennett H.: See—
Balzarini, Martin L., assignor.

Levis, Robert H., II: See—
Chew, C., and Levis.

Lewis, Edward Z., Evanston, Ill., assignor to General Manifold & Printing Co. Duplicating pad or sales book. 2,386,872; Oct. 16.

Lewis, Lloyd V.: See—
Jerome, A. L., and Lewis.

Libbey-Owens-Ford Glass Company: See—
Morgan, Willard L., assignor.

Ogle, J. C., Jr., and Weinrich, assignors.

Ryan, Joseph D., assignor.

Lilly, Eli, and Company: See—
Fildersfield, R. C., and Uhle, assignors.

Line Material Company: See—
Earl, R. H., and Amundson, assignors.

Mayberry, Walter R., assignor.

Schultz, William O., assignor.

Loeser, Oscar, Jr.: See—
Rosendahl, C. E., and Loeser.

Loney, William W., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article handling apparatus. 2,387,160; Oct. 16.

Low, Charles L., Lee Township, Allegan County, Mich. Printing machine. 2,386,903; Oct. 16.

Lower, Donald P., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Oil ring. 2,386,903; Oct. 16.

Lowy, Robert W., Minneapolis, Minn. Knife. 2,387,032; Oct. 16.

Lucas, Mildred F., assignor to Operadio Manufacturing Co., St. Charles, Ill. Loud-speaker. 2,386,864; Oct. 16.

Lui, Henry S. K., San Francisco, Calif. Stamp roller. 2,386,905; Oct. 16.

Lundberg, Gustave E., and A. B. Crawford, Riverside, Ill., assignors to International Harvester Company. Air cleaner and baffle element therefor. 2,387,080; Oct. 16.

Lutomirski, Karel, Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Temperature control apparatus. 2,386,906; Oct. 16.

Lynn, Harry H.: See—
Mader, E. H., and Lynn.

MacMillin, Howard F., Mount Gilead, Ohio, assignor to The Hydraulic Development Corp., Inc., Wilmington, Del. High-frequency electrostatic heating of plastics. 2,386,906; Oct. 16.

Madland, Thorvald: See—
Beauchamp, W. A., and Madland.

Madland, Thorvald, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Door lifting mechanism. 2,387,161; Oct. 16.

Maier, Curtis E.: See—
O'Brien, F. J., and Maier.

Malling, Roy, West Roxbury, Mass. Footwear and making same. 2,386,809; Oct. 16.

Malling, Alfred S., Hollywood, Calif. Stretcher accommodation means for vehicles or the like. 2,387,032; Oct. 16.

Mancini, Joseph L., Baltimore, Md., assignor to General Motors Corporation, Detroit, Mich. Safety clip. 2,386,907; Oct. 16.

Maple, Ralph L.: See—
Barnum, L. N., Donnelly, and Maple.

Marisic, Milton M., and S. Gray, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Gels comprising silica. 2,386,810; Oct. 16.

Martin, George D., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Making thermoplastic compositions and products obtained thereby. 2,386,908; Oct. 16.

Maryland Plastics, Inc.: See—
Milano, Sylvester, assignor.

Mathias, Lynn H., Fox Point, assignor to Allen-Bradley Company, Milwaukee, Wis. Arc extinguishing device. 2,387,033; Oct. 16.

Mattox, William J., Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill. Production of xylene. 2,386,909; Oct. 16.

Matuszak, Maryann P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Conversion of hydrocarbons. 2,387,162; Oct. 16.

Maxant, William T., Ayer, Mass. Accordion pleating machine. 2,387,163; Oct. 16.

Mayberry, Walter R., Zanesville, Ohio, assignor to Line Material Company, South Milwaukee, Wis. Electromagnetic device. 2,386,904; Oct. 16.

McCaig, Cecil C., Glen Ellyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article assembling fixture. 2,387,033; Oct. 16.

McCarthy, Lourdes V., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Floor furnace gas control means. 2,387,164; Oct. 16.

McCoy, James P. A., assignor of one-half to Milwaukee Tool & Die Company, Milwaukee, Wis. Detaching. 2,386,970; Oct. 16.

McElroy, Wilbur E.: See—
Hass, H. B., and McElroy.

McFall, Thurlow E., Sparta, and O. G. Norton, Muskegon, Mich., assignors, by mesne assignments, to The Perfect Circle Company, Hagerstown, Ind. Piston ring structure. 2,387,034; Oct. 16.

McGraw Electric Company: See—
Osterheld, Clark M., assignor.

McInerney Spring & Wire Company: See—
Brown, Edward H., assignor.

Meitzen, Curt J., Wauwatosa, Wis. Carton and carton blanks. 2,386,905; Oct. 16.

Merder, Jean, New York, N. Y. Duplex elastic seal. 2,386,873; Oct. 16.

Metcalf, Herbert E.: See—
Zalkowsky, W. M., and Metcalf.

Metcalf, James C.: See—
Metcalf, Richard D., and J. C. Metcalf.

Metcalf, Richard D., and J. C. Metcalf, assignors to Davies & Metcalf Limited, Romley, England. Steam injector. 2,386,971; Oct. 16.

Metzner, Ernest K., Cloverdale, Calif., assignor by mesne assignments to Stauffer Chemical Company. Apparatus for the treatment of fruit pomace. 2,387,165; Oct. 16.

Meyer, Curt, Buenos Aires, Argentina. Furnace for producing wood charcoal. 2,386,972; Oct. 16.

Meyer, Willy, Jamaica, N. Y. Safety window seat. 2,387,085; Oct. 16.

Michelson, Henry: See—
Gandreau, O. E., and Michelson.

Micromatic Hone Corporation: See—
Kline, John E., assignor.

Mieth, Otto, Minneapolis, Minn. Cam making machine. 2,386,973; Oct. 16.

Milano, Sylvester, assignor to Maryland Plastics, Inc., Federalburg, Md. Producing plastic articles. 2,387,034; Oct. 16.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Automatic gear grinding machine. 2,387,166; Oct. 16.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Generative gear grinding machine with feed controlling slide. 2,387,167; Oct. 16.

Miller, Joseph: See—
Buck, A. W., and Miller.

Miller, Tyne, Benton, Okla. Gasoline and water separator. 2,387,035; Oct. 16.

Milwaukee Gas Specialty Company: See—
McCarthy, Lourdes V., assignor.

Milwaukee Tool & Die Company: See—
McCoy, James P. A., assignor.

Miner, Irving O., East Providence, assignor to Builders Iron Foundry, Providence, R. I. Venting means. 2,386,874; Oct. 16.

Miner, W. H., Inc.: See—
Haseltine, Stacy B., assignor.

Minnesota Mining & Manufacturing Company: See—
Cross, Bert S., assignor.

Mitchell, Donald H., Cranford, and R. R. Pollard, East Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Tilting apparatus. 2,386,906; Oct. 16.

Mitchell, Robert, Co. Limited, The: See—
Clerk, Edouard, assignor.

Moncrieff, Robert W., and C. W. Sammons, Spondon, near Derby, assignors to British Celanese Limited, London, England. Treatment of cellulose derivative articles. 2,387,168; Oct. 16.

Monsanto Chemical Company: See—
Martin, George D., assignor.

Montcalm, Incorporated: See—
Schurtz, B. E., and Roth, assignors.

Moon, Carl, Detroit, Mich. Wringer. 2,387,086; Oct. 16.

Morford, Roy C., Manassas, Va. Electrade holder. 2,387,169; Oct. 16.

Morgan, John D., South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y. Low temperature lubricants. 2,387,170; Oct. 16.

Morgan, John D., and A. E. Blakey, South Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Refining crude petroleum. 2,387,171; Oct. 16.

Morgan, Willard L., Columbus, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Coating with quartz vapor. 2,386,875; Oct. 16.

Morris, Howard I., assignor of one-third to C. M. Yoder, and one-third to H. O. Yoder, Lakewood, Ohio. Apparatus for producing alternating currents. 2,386,811; Oct. 16.

Morse, John F., Hudson, Ohio. Web aligning apparatus. 2,387,036; Oct. 16.

Mosler, Edwin H., New York, N. Y., and H. H. Lynn, Wyoming, assignors to The Mosler Safe Company, Hamilton, Ohio. Insulated record container. 2,387,172; Oct. 16.

Mosler Safe Company, The: See—
Mosler, E. H., and Lynn, assignors.

Nardone, Romeo M., Westwood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starting mechanism. 2,386,812; Oct. 16.

National Cash Register Company, The: See—
Barnum, L. N., Donnelly, and Maple, assignors.

Navy, Government of the United States, as represented by the Secretary of the Navy: See—
Seifried, Eugen, assignor.

Neer, Harry L., Beech Grove, C. H. Wasson, Indianapolis, Ind., and R. L. Neer, Jacksonville, Fla., assignors to Nik-O-Lok Company, Indianapolis, Ind. Coin controlled mechanism. 2,386,974; Oct. 16.

Neer, Raymond L.: See—
Neer, H. L., Wasson, and Neer.

Neelson, William E., Jr., and C. C. Tinkey, Yosemite National Park, Calif. Box opener and dispenser. 2,386,877; Oct. 16.

Nelson, Walter O., Oslo, Minn., assignor of one-half to H. E. Baker, Chicago, Ill. Holist. 2,387,087; Oct. 16.

Nickerson, John L., New York, N. Y., assignor to United States of America, as represented by the Secretary of War. Apparatus for determining blood volume. 2,386,878; Oct. 16.

Nik-O-Lok Company: See—
Neer, H. L., Wasson, and Neer, assignors.

Nineteen Hundred Corporation: See—
Geldhof, P. E., and Ringer, assignors.

Norton Company: See—
Silven, Herbert A., assignor.

Norton, Oliver G.: See—
McFall, T. E., and Norton.
Nostrip Inc.: See—
Johnson, James M., assignor.
Nufer, Jacob, West New York, N. J., assignor to Baar & Beards, Inc., New York, N. Y. Ornamental accessory. 2,387,173; Oct. 16.
Oblad, Alex G., Chicago, Ill., and L. Heard, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Catalytic hydrocarbon conversion system. 2,387,088; Oct. 16.
O'Brien, Frank J., Pelham, N. Y., and C. E. Maier, Elmhurst, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Preserving steel plate from corrosion and preparing elements of container bodies therefrom. 2,386,813; Oct. 16.
Ogle, James C., Jr., and A. R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Coating surfaces with quartz. 2,386,876; Oct. 16.
Olah, George, assignor to Precision Developments Company Limited, London, England. Electric follow-up mechanism. 2,387,174; Oct. 16.
Olin Industries, Inc.: See—
Seavey, Frederick R., assignor.
Operadio Manufacturing Co.: See—
Lucas, Mildred F., assignor.
Osplack, Joseph J., assignor to Vinco Corporation, Detroit, Mich. Indexing fixture for machine tools. 2,386,880; Oct. 16.
Ostergren, Ralph H., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Strain gauge and producing it. 2,386,879; Oct. 16.
Osteheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater control system. 2,387,175; Oct. 16.
Osteheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater control system. 2,387,176; Oct. 16.
Osteheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater control system. 2,387,177; Oct. 16.
Osteheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Tank heater control system. 2,387,178; Oct. 16.
Osteheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater control system. 2,387,179; Oct. 16.
Osteheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Electric tank heater control system. 2,387,180; Oct. 16.
Otto, Ferdinand P., and O. M. Reiff, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Hard resins. 2,387,037; Oct. 16.
Outboard Marine and Manufacturing Company: See—
Ames, Arthur D., assignor.
Furry, John F., assignor.
Owens-Illinois Glass Company: See—
Barnby, H. A., and Hohl, assignors.
Chew, C., and Lewis.
Hohl, J., and Biering, assignors.
Wright, J. W., assignor.
Owens, James H., Camden, N. J., assignor to Radio Corporation of America. Reflector. 2,387,038; Oct. 16.
Paper Patents Company: See—
Fourness, C. A., and Reichel, assignors.
Parker Manufacturing Company: See—
Brown, Clyde E., assignor.
Parker Pen Company, The: See—
Baker, Martin S., assignor.
Parrett, Dent, assignor, by mesne assignments, to Lambert Brake Corporation, St. Joseph, Mich. Multiple disk brake. 2,387,039; Oct. 16.
Pearce, Gale T., and G. C. Rhodes, Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Apparatus for recovering waste materials. 2,386,975; Oct. 16.
Perfect Circle Company, The: See—
McFall, T. E., and Norton, assignors.
Peterson, William R., Chicago, and A. G. Ford, Oak Park, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Snap action switch. 2,387,089; Oct. 16.
Petrolite Corporation, Ltd.: See—
De Groote, M., and Keiser, assignors.
Eddy, Harold C., assignor.
Philco Corporation: See—
Daley, Donald E., assignor.
Philco Radio and Television Corporation: See—
Rundell, Theodore W., assignor.
Phillips, Maxwell E., Stockton, Calif. Nut harvester. 2,386,881; Oct. 16.
Phillips Petroleum Company: See—
Boyd, James H., Jr., assignor.
Carpenter, Frank T., assignor.
Hachmuth, Karl H., assignor.
Huntington, Richard L., assignor.
Matuszak, Maryan P., assignor.
Schulze, W. A., and Hillyer, assignors.
Pick, Joseph W.: See—
Beck, C. W., and Pick.
Pierce, Raymond C., Chicago, Ill. Brake. 2,386,907; Oct. 16.

Pittsburgh-Des Moines Company: See—
Jackson, James O., assignor.
Polaroid Corporation: See—
Young, Clinton J. T., assignor.
Pollard, Robert R.: See—
Mitchell, D. H., and Pollard.
Precision Developments Company Limited: See—
Olah, George, assignor.
Press Wireless, Inc.: See—
Sprague, R. M., and Fraim, assignors.
Procter, Anthony, Newcastle-upon-Tyne, 1, England. Piston construction, packing. 2,387,181; Oct. 16.
Procter, Anthony, Newcastle-upon-Tyne, England. Hydraulic packing washer. 2,387,182; Oct. 16.
Protecto Products Co., Inc.: See—
Clark, Louis, assignor.
Provenzano, Gaetano, Greenwich, Conn. Torpedo defense for ships. 2,387,090; Oct. 16.
Puckett, Macon A., Marietta, Ga. Rope clamp. 2,386,908; Oct. 16.
Purdue Research Foundation: See—
Hass, H. B., and McElroy, assignors.
Putnam, John P., assignor to The Reece Button Hole Machine Company, Boston, Mass. Flattening curly polymerized styrene sheets. 2,386,976; Oct. 16.
Pyrene Development Corporation: See—
Timpson, Lewis G. M., assignor.
Radio Corporation of America: See—
Alburger, James R., assignor.
Kozanowski, Henry N., assignor.
Owens, James H., assignor.
Young, Charles J., assignor.
Ravn, Thomas N.: See—
Hishon, P. D., Carter, Ravn, and Borchers.
Raytheon Manufacturing Company: See—
Spencer, Percy L., assignor.
Reagan, Leon S., and J. C. Wallis, assignors to Webster Engineering Company, Tulsa, Okla. Combustion apparatus. 2,386,882; Oct. 16.
Redfern, Sutton, Bronx, assignor to Standard Brands Incorporated, New York, N. Y. Preparation of nucleic acid. 2,387,040; Oct. 16.
Reece Button Hole Machine Company: See—
Putnam, John P., assignor.
Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Belt block. 2,387,183; Oct. 16.
Reeves Pulley Company: See—
Reeves, Paul B., assignor.
Reichel, Carl H.: See—
Fourness, C. A., and Reichel.
Reiff, Orland M.: See—
Otto, F. P., and Reiff.
Relly, William P., Menomonee Falls, and C. W. Tingley, Milwaukee, Wis. Fastener for belts. 2,386,977; Oct. 16.
Republic Aviation Corporation: See—
Hartley, Croydon H. A., assignor.
Research Corporation: See—
Carson, Howard, assignor.
Research Corporation, et al.: See—
White, Harry J., assignor.
Rhodes, Grover C.: See—
Pearce, G. T., and Rhodes.
Rice, Edward E., et al., trustees: See—
Johnson, Melvin M., Jr., assignor.
Richards, John R., and C. W. Evert, assignors to Downing Box Company, Milwaukee, Wis. Cover construction for containers. 2,387,184; Oct. 16.
Ringer, Luther: See—
Geldhof, P. E., and Ringer.
Ris, Kenneth B., Garden City, assignor to The Griscom Russell Company, New York, N. Y. Bimetal tube. 2,386,747; Oct. 16.
Roberts, Samuel S.: See—
Rubenstein, Samuel S.
Rockrite Processes, Inc.: See—
Inslee, Heber C., assignor.
Roddy, Fred M., Providence, assignor to H & B American Machine Company, Pawtucket, R. I. Builder mechanism. 2,386,748; Oct. 16.
Rooney, Elwin H., Buttonwoods, R. I. Drafting textile fiber. 2,387,091; Oct. 16.
Rose, Alfred G.: See—
Johnson, L. G., and Rose.
Rose Brothers (Gainsborough) Limited: See—
Johnson, L. G., and (Rose, assignor).
Rosehill, Joseph A., assignor to American Lady Corset Company, Detroit, Mich. Garment. 2,386,909; Oct. 16.
Rosendahl, Charles E., and O. Loeser, Jr., United States Navy. Method and apparatus for mooring airships. 2,386,814; Oct. 16.
Roth, Joseph N.: See—
Schurtz, R. E., and Roth.
Rubenstein, Samuel S., New Haven, Conn., now by judicial change of name Samuel S. Roberts. Boller. 2,386,815; Oct. 16.
Ruf-Buchhaltung Aktiengesellschaft: See—
Hegmauer, Paul, assignor.
Ruhl, Charles L., Dallas, Tex. Gas generating burner. 2,386,978; Oct. 16.

Rundell, Theodore W., Abington, assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Plastic ice tray grid. 2,386,979; Oct. 16.
Runquist, Ernest M., and L. A. Ederer, assignors to R. J. Ederer Company, Chicago, Ill. Machine drive and control. 2,387,185; Oct. 16.
Rustless Iron and Steel Corporation: See—
Feild, Alexander L., assignor.
Ruzicka, Leopold, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Lactones and making same. 2,386,749; Oct. 16.
Ryan, Joseph D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Manufacture of laminated safety glass. 2,386,980; Oct. 16.
Safety-Fuel Incorporated: See—
Laliberte, Albert J., assignor.
Sammons, Charles W.: See—
Monerick, R. W., and Sammons.
Sanchioni, Adolf, Needham, Mass. Method of making shoes and product of said method. 2,386,910; Oct. 16.
Sanchioni, Adolf, Needham, Mass. Shoe and producing same. 2,386,911; Oct. 16.
Sarafian, Karl, assignor to General Motors Corporation, Detroit, Mich. Electric control system. 2,386,981; Oct. 16.
Saslaw, Otto, Lyndhurst, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Selenium cell. 2,386,750; Oct. 16.
Saunders, Harold F.: See—
Downs, C. D., and Saunders.
Sawtelle, Charles A., Rosedale Gardens, Mich. Fluid clutch. 2,386,912; Oct. 16.
Sawtelle, Charles A., Rosedale Gardens, Mich. Wear compensator for brakes. 2,386,913; Oct. 16.
Sayles, James H., Uvalde, Tex. Barbed-wire stretcher. 2,386,751; Oct. 16.
Schad, Raymond E., assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of aromatic compounds. 2,386,982; Oct. 16.
Schlumbohm, Peter, New York, N. Y. Whirlpool flask. 2,387,092; Oct. 16.
Schmied, William F., Blue Island, Ill., assignor to International Harvester Company. Wheel truck mounting. 2,387,093; Oct. 16.
Schneider, Adolf, and E. Ungethuem, Karlsruhe, Baden, Germany; vested in the Allen Property Custodian. Toggle lever press. 2,387,041; Oct. 16.
Schofield, Earl L., assignor to Henney Motor Company, Freeport, Ill. Ambulance. 2,387,186; Oct. 16.
Scholz, Louis A., Dayton, Ohio. Stereoscopic modeling machine. 2,386,816; Oct. 16.
Schroeder, Wesley D.: See—
Coleman, G. H., Schroeder, and Griess.
Schultz, William O., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Fuse. 2,386,752; Oct. 16.
Schulze, Walter A., and J. C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Treatment of hydrocarbons. 2,386,983; Oct. 16.
Schurtz, Ralph E., Kansas City, Mo., and J. N. Roth, Belding, assignors, by mesne assignments, to Montcalm, Incorporated, Greenville, Mich. Control valve. 2,386,817; Oct. 16.
Scott, Bert S., St. Paul, Minn. Radius cutter attachment for lathes. 2,386,984; Oct. 16.
Scott, Everette C., assignor to Industrial Patents Corporation, Chicago, Ill. Wrapper. 2,387,217; Oct. 16.
Sears, Roebuck and Company: See—
Colegrove, Charles E., assignor.
Seavey, Frederick R., Alton, Ill., assignor to Olin Industries, Inc. Coating method and apparatus. 2,386,818; Oct. 16.
Seifried, Eugen, Waldkirch, Germany, assignor to the Government of the United States, as represented by the Secretary of the Navy. Subaqueous electric cutting. 2,387,042; Oct. 16.
Selas Corporation of America: See—
Hess, F. O., and Wakefield, assignors.
Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. 5-Aminohexahydropyrimidines and preparing same. 2,387,043; Oct. 16.
Shaw, Everett J., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article coating apparatus. 2,387,094; Oct. 16.
Shaw, Joseph A., assignor, by mesne assignments, to Koppers Company, Incorporated, Pittsburgh, Pa. Recovery of ammonium thiosulphate and thiocyanate. 2,386,985; Oct. 16.
Sheffield Corporation, The: See—
Doehring, Walter M., assignor.
Shell Development Company: See—
Adelson, D. E., and Dannenberg, assignors.
Bent, Franklin A., assignor.
Hishon, P. D., Carter, Ravn, and Borchers, assignors.
Sherman, Vernon W., Summit, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Induction heating apparatus. 2,386,819; Oct. 16.
Sherwin-Williams Company, The: See—
Downs, C. D., and Saunders, assignors.
Shideler, Elbert M., and H. L. Bloxom, Council Bluffs, Iowa. Centrifugal machine. 2,387,095; Oct. 16.

Shield, John, Valois, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Insulated electrical conductor and cable. 2,386,753; Oct. 16.
Shirley, Clifford H., Nutley, N. J., assignor to The Columbia Mills, Inc., New York, N. Y. Shade mounting for outswinging windows. 2,386,986; Oct. 16.
Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Surface grinding machine. 2,387,044; Oct. 16.
Simmonds Aerocessories Limited: See—
Smith, Stanley J., assignor.
Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron beam rotation synchronizing circuit. 2,387,045; Oct. 16.
Slepan, Arthur, Trumbull, assignor, by mesne assignments, to The Wheeler Insulated Wire Company, Incorporated, Bridgeport, Conn. Fluorescent tube circuit. 2,386,914; Oct. 16.
Smith, Harry T., Flint, Mich. Door latch and lock. 2,387,187; Oct. 16.
Smith, Stanley J., assignor to Simmonds Aerocessories Limited, London, England. Electric resistor. 2,387,096; Oct. 16.
Snyder, Jacob R., assignor to Thompson Products, Inc., Cleveland, Ohio. Universal joint. 2,386,754; Oct. 16.
Société Suisse d'Electricité et de Traction: See—
Jobin, Bernard, assignor.
Socony-Vacuum Oil Company, Incorporated: See—
Badertscher, D. E., Coonrad, and Crowley, assignors.
Badertscher, D. E., Crowley, and Feasley, assignors.
Daley, H. G., Crowley, Badertscher, and Coonrad, assignors.
Dunham, George S., assignor.
Koppenhoefer, Robert M., assignor.
Marisc, M. M., and Dray, assignors.
Otto, F. P., and Reiff, assignors.
Somes, Howard E., Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Timing mechanism. 2,387,097; Oct. 16.
Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Forming seals. 2,386,820; Oct. 16.
Spiers, Henry M., assignor to Woodall-Duckham (1920) Limited, Guildford, England. Purification of hydrocarbons by azeotropic distillation. 2,386,755; Oct. 16.
Spingler, Harry, assignor of twenty-five per cent to R. H. Spingler, Brooklyn, N. Y. Automobile tire shield. 2,387,188; Oct. 16.
Spingler, Richard H.: See—
Spingler, Harry, assignor.
Spittler, George, Wyandotte, Mich. Aircraft. 2,386,915; Oct. 16.
Sprague, Robert M., Manhasset, and E. G. Fraim, Hicksville, N. Y., assignors to Press Wireless, Inc., Chicago, Ill. Radio transmission system. 2,387,098; Oct. 16.
Stalker, Edward A., Bay City, assignor to The Dow Chemical Company, Midland, Mich. Aircraft. 2,386,987; Oct. 16.
Standard Brands Incorporated: See—
Redfern, Sutton, assignor.
Standard Oil Company: See—
Fragen, Nathan, assignor.
Oblad, A. C., and Heard, assignors.
Standard Oil Company, The: See—
Hughes, Everett C., assignor.
Stauffer Chemical Company: See—
Metzner, Ernest K., assignor.
Stearns, Lionel H.: See—
Andrews, E. R., and Stearns.
Stelmets, Walter C., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Portable loader. 2,387,189; Oct. 16.
Stevens, Jordan & Harrison, Inc.: See—
Vang, Alfred, assignor.
Stevens, Walter H.: See—
Bedford, L. H., Jofeh, and Stevens.
Stewart-Warner Corporation: See—
Leslie, John H., II, assignor.
Stewart, William D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preserving latex and product thereof. 2,386,756; Oct. 16.
Stone, Morris D., and F. J. Gieve, assignors to United Engineering and Foundry Company, Pittsburgh, Pa. Hydraulic press. 2,387,190; Oct. 16.
Stover, Clyde N., Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for insulating electrical conductors. 2,387,191; Oct. 16.
Strait, Lloyd A., Washington, D. C. Fracture apparatus. 2,387,192; Oct. 16.
Straubel, Clarence W., assignor to The General Fireproofing Company, Youngstown, Ohio. Drawer suspension. 2,386,757; Oct. 16.
Sullivan, Mathew D., Flint, Mich. Trailer suspension. 2,386,988; Oct. 16.
Summers, Otto M., Mount Gilead, Ohio, assignor to The Hydraulic Development Corp., Inc., Wilmington, Del. Precision pull-bar testing apparatus. 2,386,989; Oct. 16.

Norton, Oliver G.: See—
McFall, T. E., and Norton.
Nostrup Inc.: See—
Johnson, James M., assignor.
Nufer, Jacob, West New York, N. Y., assignor to Baar & Beards, Inc., New York, N. Y. Ornamental accessory. 2,387,173; Oct. 16.
Oblad, Alex G., Chicago, Ill., and L. Heard, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Catalytic hydrocarbon conversion system. 2,387,088; Oct. 16.
O'Brien, Frank J., Pelham, N. Y., and C. E. Maler, Elmhurst, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Preserving steel plate from corrosion and preparing elements of container bodies therefrom. 2,386,813; Oct. 16.
Ogle, James C., Jr., and A. R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Coating surfaces with quartz. 2,386,876; Oct. 16.
Olah, George, assignor to Precision Developments Company Limited, London, England. Electric follow-up mechanism. 2,387,174; Oct. 16.
Olin Industries, Inc.: See—
Seavey, Frederick R., assignor.
Operadio Manufacturing Co.: See—
Lucas, Mildred F., assignor.
Opplack, Joseph J., assignor to Vinco Corporation, Detroit, Mich. Indexing fixture for machine tools. 2,386,880; Oct. 16.
Ostergren, Ralph H., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Strain gauge and producing it. 2,386,879; Oct. 16.
Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater control system. 2,387,175; Oct. 16.
Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater control system. 2,387,176; Oct. 16.
Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater control system. 2,387,177; Oct. 16.
Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Tank heater control system. 2,387,178; Oct. 16.
Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater control system. 2,387,179; Oct. 16.
Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Electric tank heater control system. 2,387,180; Oct. 16.
Otto, Ferdinand P., and O. M. Reiff, Woodbury, N. J., assignors to Socony Vacuum Oil Company, Incorporated. Hard resins. 2,387,037; Oct. 16.
Outboard Marine and Manufacturing Company: See—
Ames, Arthur D., assignor.
Furry, John F., assignor.
Owens-Illinois Glass Company: See—
Barnby, H. A., and Hohl, assignors.
Chew, C., and Levis.
Hohl, J., and Bjering, assignors.
Wright, J. W., assignor.
Owens, James H., Camden, N. J., assignor to Radio Corporation of America. Reflector. 2,387,038; Oct. 16.
Paper Patents Company: See—
Fourness, C. A., and Reichel, assignors.
Parker Manufacturing Company: See—
Brown, Clyde E., assignor.
Parker Pen Company, The: See—
Baker, Marlin S., assignor.
Parrett, Dent, assignor, by mesne assignments, to Lambert Brake Corporation, St. Joseph, Mich. Multiple disk brake. 2,387,039; Oct. 16.
Pearce, Gale T., and G. C. Rhodes, Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Apparatus for recovering waste materials. 2,386,975; Oct. 16.
Perfect Circle Company, The: See—
McFall, T. E., and Norton, assignors.
Peterson, William R., Chicago, and A. G. Ford, Oak Park, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Snap action switch. 2,387,089; Oct. 16.
Petrolite Corporation, Ltd.: See—
De Groote, M., and Keiser, assignors.
Eddy, Harold C., assignor.
Philoc Corporation: See—
Dailey, Donald E., assignor.
Philoc Radio and Television Corporation: See—
Rundell, Theodore W., assignor.
Phillips, Maxwell E., Stockton, Calif. Nut harvester. 2,386,881; Oct. 16.
Phillips Petroleum Company: See—
Boyd, James H., Jr., assignor.
Carpenter, Frank T., assignor.
Hachmuth, Karl H., assignor.
Huntington, Richard L., assignor.
Matuszak, Maryan P., assignor.
Schulze, W. A., and Hillyer, assignors.
Pick, Joseph W.: See—
Beck, C. W., and Pick.
Pierce, Raymond C., Chicago, Ill. Brake. 2,386,907; Oct. 16.

Pittsburgh-Des Moines Company: See—
Jackson, James O., assignor.
Polaroid Corporation: See—
Young, Clinton J. T., assignor.
Pollard, Robert R.: See—
Mitchell, D. H., and Pollard.
Precision Developments Company Limited: See—
Olah, George, assignor.
Press Wireless, Inc.: See—
Sprague, R. M., and Fraim, assignors.
Procter, Anthony, Newcastle-upon-Tyne, 1, England. Piston construction, packing. 2,387,181; Oct. 16.
Procter, Anthony, Newcastle-upon-Tyne, England. Hydraulic packing washer. 2,387,182; Oct. 16.
Protecto Products Co. Inc.: See—
Clark, Louis, assignor.
Provenzano, Gaetano, Greenwich, Conn. Torpedo defense for ships. 2,387,090; Oct. 16.
Puckett, Macon A., Marietta, Ga. Rope clamp. 2,386,908; Oct. 16.
Purdue Research Foundation: See—
Hass, H. B., and McElroy, assignors.
Putnam, John P., assignor to The Reece Button Hole Machine Company, Boston, Mass. Flattening curly polymerized styrene sheets. 2,386,976; Oct. 16.
Pyrene Development Corporation: See—
Timpson, Lewis G. M., assignor.
Radio Corporation of America: See—
Alburger, James R., assignor.
Kozanowski, Henry N., assignor.
Owens, James H., assignor.
Young, Charles J., assignor.
Ravn, Thomas N.: See—
Hishon, P. D., Carter, Ravn, and Borchers.
Raytheon Manufacturing Company: See—
Spencer, Percy L., assignor.
Reagan, Leon S., and J. C. Wallis, assignors to Webster Engineering Company, Tulsa, Okla. Combustion apparatus. 2,386,882; Oct. 16.
Redfern, Sutton, Bronx, assignor to Standard Brands Incorporated, New York, N. Y. Preparation of nucleic acid. 2,387,040; Oct. 16.
Reece Button Hole Machine Company: See—
Putnam, John P., assignor.
Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Belt block. 2,387,183; Oct. 16.
Reeves Pulley Company: See—
Reeves, Paul B., assignor.
Reichel, Carl H.: See—
Fourness, C. A., and Reichel.
Reiff, Orland M.: See—
Otto, F. P., and Reiff.
Reilly, William P., Menomonee Falls, and C. W. Tingley, Milwaukee, Wis. Fastener for belts. 2,386,977; Oct. 16.
Republic Aviation Corporation: See—
Hartley, Croydon H. A., assignor.
Research Corporation: See—
Carson, Howard, assignor.
Research Corporation, et al.: See—
White, Harry J., assignor.
Rhodes, Grover C.: See—
Pearce, G. T., and Rhodes.
Rice, Edward E., et al., trustees: See—
Johnson, Melvin M., Jr., assignor.
Richards, John R., and C. W. Evert, assignors to Downing Box Company, Milwaukee, Wis. Cover construction for containers. 2,387,184; Oct. 16.
Ringer, Luther: See—
Geldhof, P. E., and Ringer.
Ris, Kenneth B., Garden City, assignor to The Griscom Russell Company, New York, N. Y. Bimetal tube. 2,386,747; Oct. 16.
Roberts, Samuel S.: See—
Rubenstein, Samuel S.
Rockrite Processes, Inc.: See—
Inslee, Heber C., assignor.
Roddy, Fred M., Providence, assignor to H & B American Machine Company, Pawtucket, R. I. Builder mechanism. 2,386,748; Oct. 16.
Rooney, Elwin H., Buttonwoods, R. I. Drafting textile fiber. 2,387,091; Oct. 16.
Rose, Alfred G.: See—
Johnson, L. G., and Rose.
Rose Brothers (Gainsborough) Limited: See—
Johnson, L. G., and (Rose, assignor).
Rosehill, Joseph A., assignor to American Lady Corset Company, Detroit, Mich. Garment. 2,386,909; Oct. 16.
Rosendahl, Charles E., and O. Loeser, Jr., United States Navy. Method and apparatus for mooring airships. 2,386,814; Oct. 16.
Roth, Joseph N.: See—
Schurtz, R. E., and Roth.
Rubenstein, Samuel S., New Haven, Conn., now by judicial change of name Samuel S. Roberts. Boller. 2,386,815; Oct. 16.
Ruf-Ruchhaltung Aktiengesellschaft: See—
Hegnauer, Paul, assignor.
Ruhl, Charles L., Dallas, Tex. Gas generating burner. 2,386,978; Oct. 16.

Rundell, Theodore W., Abington, assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Plastic ice tray grid. 2,386,979; Oct. 16.
Runquist, Ernest M., and L. A. Ederer, assignors to R. J. Ederer Company, Chicago, Ill. Machine drive and control. 2,387,185; Oct. 16.
Rustless Iron and Steel Corporation: See—
Feild, Alexander L., assignor.
Ruzicka, Leopold, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Lactones and making same. 2,386,749; Oct. 16.
Ryan, Joseph D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Manufacture of laminated safety glass. 2,386,980; Oct. 16.
Safety-Fuel Incorporated: See—
Laiberte, Albert J., assignor.
Sammons, Charles W.: See—
Moneriff, R. W., and Sammons.
Sanchioni, Adolf, Needham, Mass. Method of making shoes and product of said method. 2,386,910; Oct. 16.
Sanchioni, Adolf, Needham, Mass. Shoe and producing same. 2,386,911; Oct. 16.
Sarafian, Karl, assignor to General Motors Corporation, Detroit, Mich. Electric control system. 2,386,981; Oct. 16.
Saslaw, Otto, Lyndhurst, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Selenium cell. 2,386,750; Oct. 16.
Saunders, Harold F.: See—
Downs, C. D., and Saunders.
Sawtelle, Charles A., Rosedale Gardens, Mich. Fluid clutch. 2,386,912; Oct. 16.
Sawtelle, Charles A., Rosedale Gardens, Mich. Wear compensator for brakes. 2,386,913; Oct. 16.
Sayles, James H., Uvalde, Tex. Barbed-wire stretcher. 2,386,751; Oct. 16.
Schad, Raymond E., assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of aromatic compounds. 2,386,982; Oct. 16.
Schlumbohm, Peter, New York, N. Y. Whirlpool flask. 2,387,092; Oct. 16.
Schmied, William F., Blue Island, Ill., assignor to International Harvester Company. Wheel truck mounting. 2,387,093; Oct. 16.
Schneider, Adolf, and E. Ungethuen, Karlsruhe, Baden, Germany; vested in the Allen Property Custodian. Toggle lever press. 2,387,041; Oct. 16.
Schofield, Earl L., assignor to Henney Motor Company, Freeport, Ill. Ambulance. 2,387,186; Oct. 16.
Scholz, Louis A., Dayton, Ohio. Stereoscopic modeling machine. 2,386,816; Oct. 16.
Schroeder, Wesley D.: See—
Coleman, G. H., Schroeder, and Griess.
Schultz, William O., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Fuse. 2,386,752; Oct. 16.
Schulze, Walter A., and J. C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Treatment of hydrocarbons. 2,386,983; Oct. 16.
Schurtz, Ralph E., Kansas City, Mo., and J. N. Roth, Belding, assignors, by mesne assignments, to Montcalm Incorporated, Greenville, Mich. Control valve. 2,386,817; Oct. 16.
Scott, Bert S., St. Paul, Minn. Radius cutter attachment for lathes. 2,386,984; Oct. 16.
Scott, Everett C., assignor to Industrial Patents Corporation, Chicago, Ill. Wrapper. 2,387,217; Oct. 16.
Sears, Roebuck and Company: See—
Colegrove, Charles E., assignor.
Seavey, Frederick R., Alton, Ill., assignor to Olin Industries, Inc. Coating method and apparatus. 2,386,818; Oct. 16.
Seifried, Eugen, Waldkirch, Germany, assignor to the Government of the United States, as represented by the Secretary of the Navy. Subaqueous electric cutting. 2,387,042; Oct. 16.
Selas Corporation of America: See—
Hess, F. O., and Wakefield, assignors.
Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. 5-Aminohexahydropyrimidines and preparing same. 2,387,043; Oct. 16.
Shaw, Everett J., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article coating apparatus. 2,387,094; Oct. 16.
Shaw, Joseph A., assignor, by mesne assignments, to Koppers Company, Incorporated, Pittsburgh, Pa. Recovery of ammonium thiosulphate and thiocyanate. 2,386,985; Oct. 16.
Sheffield Corporation, The: See—
Doehring, Walter M., assignor.
Shell Development Company: See—
Adelson, D. E., and Dannenberg, assignors.
Bent, Franklin A., assignor.
Hishon, P. D., Carter, Ravn, and Borchers, assignors.
Sherman, Vernon W., Summit, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Induction heating apparatus. 2,386,819; Oct. 16.
Sherwin-Williams Company, The: See—
Downs, C. D., and Saunders, assignors.
Shideler, Elbert M., and H. L. Bloxom, Council Bluffs, Iowa. Centrifugal machine. 2,387,095; Oct. 16.

Shield, John, Valois, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Insulated electrical conductor and cable. 2,386,763; Oct. 16.
Shirley, Clifford H., Nutley, N. J., assignor to The Columbia Mills, Inc., New York, N. Y. Shade mounting for outswinging windows. 2,386,986; Oct. 16.
Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Surface grinding machine. 2,387,044; Oct. 16.
Simmonds Aerocessories Limited: See—
Smith, Stanley J., assignor.
Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron beam rotation synchronizing circuit. 2,387,045; Oct. 16.
Slepan, Arthur, Trumbull, assignor, by mesne assignments, to The Wheeler Insulated Wire Company, Incorporated, Bridgeport, Conn. Fluorescent tube circuit. 2,386,914; Oct. 16.
Smith, Harry T., Flint, Mich. Door latch and lock. 2,387,187; Oct. 16.
Smith, Stanley J., assignor to Simmonds Aerocessories Limited, London, England. Electric resistor. 2,387,096; Oct. 16.
Snyder, Jacob R., assignor to Thompson Products, Inc., Cleveland, Ohio. Universal joint. 2,386,754; Oct. 16.
Société Suisse d'Electricité et de Traction: See—
Jobin, Bernard, assignor.
Socony-Vacuum Oil Company, Incorporated: See—
Badertscher, D. E., Coonrad, and Crowley, assignors.
Badertscher, D. E., Crowley, and Fensley, assignors.
Daley, H. G., Crowley, Badertscher, and Coonrad, assignors.
Dunham, George S., assignor.
Koppenhoefer, Robert M., assignor.
Marble, M. M., and Dray, assignors.
Otto, F. P., and Reiff, assignors.
Somes, Howard E., Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Timing mechanism. 2,387,097; Oct. 16.
Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Forming seals. 2,386,820; Oct. 16.
Splers, Henry M., assignor to Woodall-Duckham (1920) Limited, Guildford, England. Purification of hydrocarbons by azeotropic distillation. 2,386,755; Oct. 16.
Spingler, Harry, assignor of twenty-five per cent to R. H. Spingler, Brooklyn, N. Y. Automobile tire shield. 2,387,188; Oct. 16.
Spingler, Richard H.: See—
Spingler, Harry, assignor.
Spittler, George, Wyandotte, Mich. Aircraft. 2,386,915; Oct. 16.
Sprague, Robert M., Manhasset, and E. G. Fraim, Hicksville, N. Y., assignors to Press Wireless, Inc., Chicago, Ill. Radio transmission system. 2,387,098; Oct. 16.
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Standard Oil Company: See—
Fragen, Nathan, assignor.
Oblad, A. G., and Heard, assignors.
Standard Oil Company, The: See—
Hughes, Everett C., assignor.
Stauffer Chemical Company: See—
Metzner, Ernest K., assignor.
Stearns, Lionel H.: See—
Andrews, E. R., and Stearns.
Steinmetz, Walter C., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Portable loader. 2,387,189; Oct. 16.
Stevens, Jordan & Harrison, Inc.: See—
Vang, Alfred, assignor.
Stevens, Walter H.: See—
Bedford, L. H., Jofeh, and Stevens.
Stewart-Warner Corporation: See—
Leslie, John H., II, assignor.
Stewart, William D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preserving latex and product thereof. 2,386,756; Oct. 16.
Stone, Morris D., and F. J. Gieve, assignors to United Engineering and Foundry Company, Pittsburgh, Pa. Hydraulic press. 2,387,190; Oct. 16.
Stover, Clyde N., Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for insulating electrical conductors. 2,387,191; Oct. 16.
Straits, Lloyd A., Washington, D. C. Fracture apparatus. 2,387,192; Oct. 16.
Straubel, Clarence W., assignor to The General Fireproofing Company, Youngstown, Ohio. Drawer suspension. 2,386,757; Oct. 16.
Sullivan, Mathew D., Flint, Mich. Trailer suspension. 2,386,988; Oct. 16.
Summers, Otto M., Mount Gilead, Ohio, assignor to The Hydraulic Development Corp., Inc., Wilmington, Del. Precision pull-bar testing apparatus. 2,386,989; Oct. 16.

Sundstrand Machine Tool Co.: See—
Swenson, A. H., and Anderson, assignors.
Sutherland, Ernest E.: See—
Barnsteiner, A., and Sutherland.
Swenarton, Waitstill H., Montclair, N. J. Method of and apparatus for sandblasting of ship's hulls. 2,387,193; Oct. 16.
Swenson, Arthur H., and P. A. Anderson, assignors to Sundstrand Machine Tool Co., Rockford, Ill. Hydraulic system. 2,386,990; Oct. 16.
Swickard, Andrew E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Piezo-electric crystal. 2,386,918; Oct. 16.
Sylvania Electric Products Inc.: See—
Gaun, H. M., and Gessford, assignors.
Sylvania Industrial Corporation: See—
Wallach, R. N., and Zender, assignors.
Taft Raymond C., Wallingford, Vt., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Ski pole construction. 2,387,194; Oct. 16.
Tariff, George E., Beechurst, N. Y. Making laminated structures. 2,386,821; Oct. 16.
Taylor, Richard W.: See—
Bruce, Malcolm, assignor.
Thomas, Pacific J., Wyoming, assignor to U. S. Textile Machine Company, Scranton, Pa. Yarn feed control means for textile machines. 2,386,822; Oct. 16.
Thomes, Frank E., South Portland, Maine. Fuel feeding apparatus. 2,386,991; Oct. 16.
Thompson Products, Inc.: See—
Snyder, J. R., assignor.
Thornburgh, Ivan D., Leonia, N. J., assignor to American Can Company, New York, N. Y. Preparing tubing for transportation. 2,386,823; Oct. 16.
Thornton, Ray F., Dearborn, Mich. Driving axle construction. 2,386,917; Oct. 16.
Timpson, Lewis G. M., Plainfield, N. J., assignor to Pyrene Development Corporation, Method and apparatus for projecting liquid jets. 2,386,918; Oct. 16.
Tinke, Cecil C.: See—
Nelson, W. E., Jr., and Tinkey.
Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,386,824; Oct. 16.
Tinnerman Products, Inc.: See—
Tinnerman, George A., assignor.
Titanium Alloy Manufacturing Company, The: See—
Walner, Eugene, assignor.
Tiedex, Inc.: See—
Ingalls, David, assignor.
Tjaarda, John, Detroit, and K. Knibbe, Grosse Pointe Park, assignors to Briggs Manufacturing Company, Detroit, Mich. Coupling. 2,387,195; Oct. 16.
Tobey, Raymond E., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigeration apparatus. 2,386,919; Oct. 16.
Toledo Scale Company: See—
Hem, H. O., assignor.
Williams, Lawrence S., assignor.
Wood, George R., assignor.
Townsend, Wilbur T., Washington, D. C. Bed for infants. 2,387,196; Oct. 16.
Travers, Samuel L., Bronx, N. Y. Wood joining fastener. 2,386,758; Oct. 16.
Troedson, Waldemar H., Chicago, Ill., assignor to Crane Co., Chicago, Ill. Gauge. 2,387,218; Oct. 16.
Trott, Winfield J., assignor to General Motors Corporation, Detroit, Mich. Audible stall indicator. 2,386,992; Oct. 16.
Tuff-Hard Corporation: See—
Endress, Frederick A., assignor.
Turchan, Manuel, Dearborn, and C. Walker, Detroit, Mich. Tracer mechanism. 2,386,825; Oct. 16.
Turner, Richard C., assignor to Crompton & Knowles Loom Works, Worcester, Mass. End plate for multistack bobbin magazines. 2,387,197; Oct. 16.
Twidwell, James E., La Grande, Oreg. Haystacker and automatic release. 2,387,198; Oct. 16.
Uhle, Frederick C.: See—
Elderfield, R. C., and Uhle.
Ulm, John B., Stockton, Calif. Detachable boom for industrial trucks. 2,386,759; Oct. 16.
Underwood Corporation: See—
Kurovski, Alfred G. F., assignor.
Ungethuen, Ewald: See—
Schneider, A., and Ungethuen.
Union Special Machine Company: See—
Wood, K. R., and Ahmer, assignors.
Union Switch & Signal Company, The: See—
Bone, Herbert L., assignor.
Dodd, Arthur E., assignor.
Jerome, A. L., and Lewis, assignors.
United Engineering and Foundry Company: See—
Stone, Morris, D., and Gieve, assignors.
United Gas Improvement Company, The: See—
Claffey, Joseph B., assignor.
United Last Company: See—
Levaggi, Victor J., Jr., assignor.
United Shoe Machinery Corporation: See—
Knowlton, Cutler D., assignor.
U. S. Shellac Importers Association, Inc.: See—
Bassford, Henry H., Jr., assignor.

U. S. Textile Machine Company: See—
Thomas, Pacific J., assignor.
Universal Oil Products Company: See—
Friedman, Bernard S., assignor.
Ipatieff, V. N., and Haensel, assignors.
Mattox, William J., assignor.
Schaad, Raymond E., assignor.
Uxbridge Worsted Co., Inc.: See—
Walter, Harold J., assignor.
Valdastri, Mario, Sr., Kailua, Island of Oahu, Hawaii. Method of and apparatus for making ravioli. 2,386,933; Oct. 16.
Vang, Alfred, Newark, N. J., assignor to Stevens, Jordan & Harrison, Inc., New York, N. Y. Gun. 2,387,199; Oct. 16.
Vapor Car Heating Company: See—
Peterson, W. R., and Ford, assignors.
Vaughan Motor Company, Inc.: See—
Weiss, Samuel, assignor.
Vickers-Armstrongs Limited: See—
Wallis, B. N., assignor.
Vienneau, Jacob J., Pittsfield, Mass., assignor to General Electric Company. Forming electromagnetic cores. 2,387,099; Oct. 16.
Vineo Corporation: See—
Osplack, Joseph J., assignor.
Von Meyenburg, Harold: See—
Hartmann, M., Cueni, Druey, and von Meyenburg.
Wachsman, Michael, Brooklyn, N. Y. Electric distributor ring for rotary knitting machines. 2,387,100; Oct. 16.
Wainer, Eugene, Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Preparation of zirconium dioxide. 2,387,046; Oct. 16.
Wakefield, Richard E. B.: See—
Hess, F. O., and Wakefield.
Walden, Alfred E.: See—
Gernandt, W. G., and Walden.
Waldie, William A., Oakwood, Ohio, and J. E. Bersuder, Warren, Pa., assignors to Chemical Developments Corporation, Dayton, Ohio. Producing dextran acetate. 2,386,994; Oct. 16.
Walker, Curtis: See—
Turchan, M., and Curtis.
Walker, James D., assignor to The American Well Works, Aurora, Ill. Underdrain for filters and the like. 2,387,101; Oct. 16.
Wallach, Roger N., Briarcliff Manor, and J. Zender, Ardsley, N. Y., assignors to Sylvania Industrial Corporation, Fredericksburg, Va. Process and apparatus for treating fluid compositions. 2,386,826; Oct. 16.
Wallis, Barnes N., Weybridge, assignor to Vickers-Armstrongs Limited, Westminster, England. Aircraft structure. 2,387,219; Oct. 16.
Wallis, John C.: See—
Reagan, L. S., and Wallis.
Wallis, Marvin E., Murray, Utah, assignor to Bracon Corporation. Vise. 2,387,102; Oct. 16.
Walter, Harold J., assignor to Uxbridge Worsted Co., Inc., Uxbridge, Mass. Dyeing woollen and other nitrogenous textile material. 2,387,200; Oct. 16.
War, of the United States, trustee, Patrick J. Hurley, Secretary of: See—
Hale, F. B., and Gaines, assignors.
War, United States of America, as represented by the Secretary of: See—
Nickerson, John L., assignor.
Warner, Stanley F., Forest Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Pulse controlling apparatus. 2,386,760; Oct. 16.
Wasson, Clifford H.: See—
Neer, H. L., Wasson, and Neer.
Webster Engineering Company: See—
Reagan, L. S., and Wallis, assignors.
Wehle, Edwin C., Binghamton, N. Y. Conveyor. 2,387,220; Oct. 16.
Weiner, Nathan, West Forest Hills, assignor to Bonnevill, Limited, New York, N. Y. Mono-acyl ethylene diamines. 2,387,201; Oct. 16.
Weinrich, Arthur R.: See—
Ogle, J. C., Jr., and Weinrich.
Weiss, Samuel, assignor to Vaughan Motor Company, Inc., Portland, Oreg. Electric control system. 2,387,047; Oct. 16.
Western Electric Company, Incorporated: See—
Heath, H. P., and Weston, assignors.
Hroch, James C., Jr., assignor.
Loney, William W., assignor.
McCain, Cecil C., assignor.
Mitchell, D. H., and Pollard, assignors.
Shaw, Everett J., assignor.
Shield, John, assignor.
Stover, Clyde N., assignor.
Swickard, A. E., assignor.
Warner, Stanley F., assignor.
Western Precipitation Corporation, et al.: See—
White, Harry J., assignor.
Westinghouse Electric Corporation: See—
Barnsteiner, A., and Sutherland, assignors.
Tobey, R. E., assignor.
Weston, Keith A.: See—
Heath, H. P., and Weston.
Westphal, Kurt: See—
Andersag, H., and Westphal.

Wetherbee, Burt W., assignor to Globe Woven Belting Co., Buffalo, N. Y. Manufacturing endless power-transmission belts. 2,386,761; Oct. 16.
Wheeler Insulated Wire Company, Incorporated: See—
Slepien, Arthur, assignor.
Wheelwright, John S., Tonbridge, England. Kite apparatus. 2,386,762; Oct. 16.
Whistler, L. V.: See—
Jackson, Arthur C., assignor.
Whistler, Lawrence V. and S. A., Kenmore, N. Y. Punch and die assembly. 2,386,920; Oct. 16.
Whistler, Sanford A.: See—
Whistler, L. V. and S. A.
White, Harry J., Cambridge, Mass., assignor of one-half to Research Corporation, New York, N. Y., and one-half to Western Precipitation Corporation, Los Angeles, Calif. Electrical precipitator. 2,386,827; Oct. 16.
Wicks, Gerardo C., Ramos Mejia, Argentina. Steam boiler. 2,387,103; Oct. 16.
Wigal, Voorhis F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Synthetic spongy material. 2,386,995; Oct. 16.
Wilcox, William H., Stockton, Calif., assignor to California Cedar Products Company. Treating articles. 2,386,828; Oct. 16.
Willamette Hyster Company: See—
Johnson, George V., assignor.
Williams, Alfred L. W.: See—
Arndt, J. P., Jr., Brown, and Williams.
Williams, Alfred L. W., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Sound translating apparatus. 2,386,998; Oct. 16.
Williams, Beverly E., and L. L. Cadwell, assignors to Industrial Patents Corporation, Chicago, Ill. Treatment of animal carcasses. 2,387,221; Oct. 16.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Bearing. 2,387,202; Oct. 16.
Williams, Samuel B., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Record controlled system. 2,386,763; Oct. 16.
Willmore, Charles B., New Kensington, and F. D. Chew, Haffey, assignors to Aluminum Company of America, Pittsburgh, Pa. Making beryllium fluoride. 2,387,203; Oct. 16.
Willmore, Charles B., New Kensington, Pa., and F. D. Chew, Detroit, Mich., assignors to Aluminum Company of America, Pittsburgh, Pa. Making beryllium fluoride. 2,387,204; Oct. 16.
Willmore, Charles B., New Kensington, and F. D. Chew, Haffey, assignors to Aluminum Company of America, Pittsburgh, Pa. Making beryllium fluoride. 2,387,205; Oct. 16.
Willmore, Charles B., New Kensington, Pa., and F. D. Chew, Detroit, Mich., assignors to Aluminum Company of America, Pittsburgh, Pa. Making beryllium fluoride. 2,387,206; Oct. 16.
Willmore, Charles B., New Kensington, Pa., and F. D. Chew, Detroit, Mich., assignors to Aluminum Company of America, Pittsburgh, Pa. Making beryllium fluoride. 2,387,207; Oct. 16.

Wilson, Harry, Dayton, Ohio. Preparing parachutes for packing, storage, and use. 2,386,829; Oct. 16.
Winchberger Corporation: See—
Albers, John R., assignor.
Winthrop Chemical Company, Inc.: See—
Andersag, H., and Westphal, assignors.
Wolfers, Philip, assignor of one-third to N. Brozan, A. Helman, and J. S. Halperin, New York, N. Y. Orienting device. 2,387,104; Oct. 16.
Wood, Arthur G., Genomino, Okla. Oil saving separator for cooling systems. 2,387,208; Oct. 16.
Wood, George R., Montreal, Quebec, Canada, assignor to Toledo Scale Company, Toledo, Ohio. Food handling apparatus. 2,387,209; Oct. 16.
Wood, Kenneth B., and C. W. Ahmer, assignors to Union Special Machine Company, Chicago, Ill. Comparator. 2,387,210; Oct. 16.
Woodall-Duckham (1920) Limited: See—
Splers, Henry M., assignor.
Worthington Pump and Machinery Corporation: See—
Karasek, Igor J., assignor.
Wright, Joseph W., Alton, Ill., assignor to Owens-Illinois Glass Company. Refining glass. 2,387,222; Oct. 16.
Wright, Norman, assignor to The Dow Chemical Company, Midland, Mich. Method and apparatus for continuous analysis and control of organic systems. 2,386,830; Oct. 16.
Wright, Norman, assignor to The Dow Chemical Company, Midland, Mich. Method and apparatus for continuous analysis of organic mixtures while in motion and for control of systems comprising such mixtures. 2,386,831; Oct. 16.
Yager, George F., assignor to The Bunting Brass & Bronze Company, Toledo, Ohio. Spindle structure. 2,387,105; Oct. 16.
Yale & Towne Manufacturing Company, The: See—
Karczewski, Alexander S., assignor.
Yoder, Harvey O., et al.: See—
Morris, Howard I., assignor.
Young, Charles J., Princeton, N. J., assignor to Radio Corporation of America. Facsimile signaling system. 2,386,997; Oct. 16.
Young, Clinton J. T., assignor to Polaroid Corporation, Cambridge, Mass. Eyeglasses. 2,386,998; Oct. 16.
Youngstown Steel Door Company, The: See—
Beauchamp, W. A., and Madland, assignors.
Madland, Thorvald, assignor.
Zaikowsky, Vladimir M., Pasadena, and H. E. Metcalf, San Francisco, assignors to Consolidated Engineering Corporation, Pasadena, Calif. Obtaining soft gas samples. 2,386,832; Oct. 16.
Zalesak, William A., et al.: See—
Harding, Lloyd E., assignor.
Zender, Justin: See—
Wallach, R. N., and Zender.
Zwicker, Benjamin M. G., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Synthetic rubber latex. 2,386,764; Oct. 16.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 16TH DAY OF OCTOBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Clutch. A. Y. Dodge. Re. 22,682; Oct. 16.
Display frame. H. S. Piper. Re. 22,683; Oct. 16

Fastener. K. C. Bugg. Re. 22,681; Oct. 16.

LIST OF DESIGN INVENTIONS

Amusement device. J. H. Jones. 142,562; Oct. 16.
Bird shelter and feeding station, Combined. D. B. Hyde. 142,561; Oct. 16.
Box, Knife. A. J. D. Ohm. 142,579-83; Oct. 16.
Bracket or similar article. A. M. Mazzarelli. 142,574; Oct. 16.
Bracket or similar article. A. Katz. 142,564-5; Oct. 16.
Bracket, Sign supporting. V. Werkmeister. 142,604; Oct. 16.
Brooch or similar article. C. A. Furst. 142,553-6; Oct. 16.
Brooch or similar article. A. Katz. 142,567-70; Oct. 16.
Brooch or similar article. A. Philippe. 142,584-5; Oct. 16.
Cap, Container. P. A. Derham. 142,547; Oct. 16.
Casing, Vacuum cleaner. G. W. Walker. 142,599-600; Oct. 16.
Cigarette roller. E. R. Herzog. 142,559; Oct. 16.
Clamp, Sucker rod. J. L. Haddock and S. Dixon. 142,558; Oct. 16.
Clip or similar article. A. Philippe. 142,586-7; Oct. 16.
Clip or similar article, Bill. H. L. Lambert and W. Cole. 142,571; Oct. 16.
Clock. H. A. Frost, Jr. 142,552; Oct. 16.
Compact. J. H. Newport, Jr. 142,578; Oct. 16.
Compass, Beam. J. S. Mahler. 142,573; Oct. 16.
Container for water treating material. C. H. Morrow. 142,577; Oct. 16.
Crutch grip. F. Pink. 142,549; Oct. 16.
Die. R. B. Morris. 142,576; Oct. 16.
Dispenser or the like, Cigarette. M. B. Toklas. 142,566-7; Oct. 16.
Earring. A. Katz. 142,566; Oct. 16.
Frame for a tricycle. W. I. Smith. 142,592; Oct. 16.

Gun or similar article, Spray. M. M. Warner. 142,601; Oct. 16.
Handbag. I. Pichel. 142,588; Oct. 16.
Hearing aid support and spectacles, Combined. R. A. Bachmann. 142,542; Oct. 16.
Heater, Electric. W. R. Tuttle. 142,598; Oct. 16.
Heel. J. H. Stackhouse. 142,594; Oct. 16.
Heel. H. H. Wydom. 142,606-7; Oct. 16.
Instrument, Drawing. F. W. Ziegfeld. 142,608; Oct. 16.
Mixing machine, Kitchen. G. E. Ford. 142,550; Oct. 16.
Pipe, Smoking. W. Leipper. 142,572; Oct. 16.
Rack or similar article, Stirring spoon. R. Stacey. 142,593; Oct. 16.
Ring. S. A. Berg. 142,544; Oct. 16.
Ring, Finger. G. Pohl. 142,589; Oct. 16.
Ring, Finger. E. L. Weed. 142,603; Oct. 16.
Spark plug. G. D. Suter. 142,595; Oct. 16.
Spoon or other article of flatware. W. S. Warren. 142,602; Oct. 16.
Spoon or similar article, Kitchen. W. O. Brown. 142,545; Oct. 16.
Suit. A. Gruber. 142,557; Oct. 16.
Textile fabric. A. Honeywell. 142,560; Oct. 16.
Tire, Pneumatic. E. S. Ewart. 142,548; Oct. 16.
Toy. V. E. Meers. 142,575; Oct. 16.
Toy figure. I. Wolfberg. 142,605; Oct. 16.
Toy gun. L. J. Frankel. 142,551; Oct. 16.
Toy whistling windmill. S. Kallsz. 142,563; Oct. 16.
Velocipede frame member. W. I. Smith. 142,591; Oct. 16.
Viewer. A. A. Bechtell. 142,543; Oct. 16.
Vise, Portable. G. T. Cumming. 142,546; Oct. 16.
Watch crystal inserting machine. J. Simon. 142,590; Oct. 16.

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LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 16TH DAY OF OCTOBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerometer. W. W. Bentley, Jr. 2,386,777; Oct. 16.
Acetate. Producing dextran. W. A. Waldie and J. E. Bersuder. 2,386,904; Oct. 16.
Acid, Preparation of nucleic. S. Redfern. 2,387,040; Oct. 16.
Actuator, Motorcycle brake. T. Helme. 2,387,020; Oct. 16.
Adjusting profiles. J. R. Hicks. 2,387,149; Oct. 16.
Aircraft. G. Spittler. 2,386,915; Oct. 16.
Aircraft. E. A. Stalker. 2,386,987; Oct. 16.
Aircraft structure. B. N. Wallis. 2,387,219; Oct. 16.
Airships, Method and apparatus for mooring. C. E. Rosendahl and O. Loeser, Jr. 2,386,814; Oct. 16.
Alloy process. A. L. Feild. 2,387,130; Oct. 16.
Alloy steel, Work hardening. A. P. Gagnebin. 2,386,890; Oct. 16.
Ambulance. E. L. Schofield. 2,387,186; Oct. 16.
Amino acids, Separation of. R. J. Block. 2,386,926; Oct. 16.
Ammonium thiosulphate and thiocyanate, Recovery. J. A. Shaw. 2,386,985; Oct. 16.
Amplifier or oscillator, Selective. B. M. Hadfield. 2,386,892; Oct. 16.
Analysis and control of organic systems, Method and apparatus for continuous. N. Wright. 2,386,830; Oct. 16.
Analysis of organic mixtures while in motion and for control of systems comprising such mixtures, Method and apparatus for continuous. N. Wright. 2,386,831; Oct. 16.
Animal carcasses, Treatment of. B. E. Williams and L. L. Cadwell. 2,387,221; Oct. 16.
Apparatus for cementing the wall of an earth-boring. C. E. Bannister. 2,387,002; Oct. 16.
Apparatus for desalting oil. H. C. Eddy. 2,386,941; Oct. 16.
Apparatus for determining blood volume. J. L. Nickerson. 2,386,878; Oct. 16.
Apparatus for edge grinding small objects. H. F. Fruth. 2,387,139; Oct. 16.
Apparatus for insulating electrical conductors. C. N. Stover. 2,387,191; Oct. 16.
Apparatus for molding tubular concrete bodies. S. Lake. 2,386,961; Oct. 16.
Apparatus for producing alternating currents. H. I. Morris. 2,386,811; Oct. 16.
Apparatus for producing fibrous filters. F. B. Hale and O. I. Gaines. 2,386,792; Oct. 16.
Apparatus for recovering waste materials. G. T. Pearce and G. C. Rhodes. 2,386,975; Oct. 16.
Apparatus for surfacing plastic bodies. R. E. Davis. 2,386,843; Oct. 16.
Apparatus for the treatment of fruit pomace. E. K. Metzner. 2,387,165; Oct. 16.
Apparatus for training gunners. L. G. Johnson and A. G. Rose. 2,387,153; Oct. 16.
Aromatic compounds, Alkylation of. R. E. Schaad. 2,386,982; Oct. 16.
Article coating apparatus. E. J. Shaw. 2,387,094; Oct. 16.
Article handling apparatus. W. W. Loney. 2,387,160; Oct. 16.
Articles, Treating. W. H. Wilcox. 2,386,828; Oct. 16.
Atomizing apparatus. M. E. Callander. 2,387,118; Oct. 16.
Attachment for typewriting machines. P. Hegnauer. 2,387,083; Oct. 16.
Audible stall indicator. W. J. Trott. 2,386,992; Oct. 16.
Automatic display apparatus. O. R. Cornutt. 2,387,121; Oct. 16.
Automatic grip for lifesaving devices. J. Frankel. 2,386,849; Oct. 16.
Axle construction, Driving. R. F. Thornton. 2,386,917; Oct. 16.
Azeotropic distillation, Purification of hydrocarbons by. H. M. Spiers. 2,386,755; Oct. 16.
Bar vibrating device for darning, Presser. C. E. Colegrove. 2,386,840; Oct. 16.
Bearing. L. S. Williams. 2,387,202; Oct. 16.
Bearings, Making. J. D. Howe. 2,386,951; Oct. 16.
Bed for infants. W. T. Townsend. 2,387,196; Oct. 16.
Belt block. P. B. Reeves. 2,387,183; Oct. 16.
Beryllium fluoride, Making. C. B. Willmore and F. D. Chew. 2,387,203-7; Oct. 16.
Bimetal tube. K. B. Ris. 2,386,747; Oct. 16.
Bis(alkylthiazyl) disulphides, Stabilization of. J. E. Jansen. 2,386,959; Oct. 16.
Bitumen treating agent. J. M. Johnson. 2,386,867; Oct. 16.

Block: See—
Belt block.
Blowout preventer. H. Allen. 2,387,106; Oct. 16.
Boiler: See—
Sectional boiler. Steam boiler.
Boiler amplifier. M. C. Crotty. 2,386,842; Oct. 16.
Bomb displacing gear. G. A. Bronson. 2,386,839; Oct. 16.
Boom for industrial trucks, Detachable. J. B. Ulm. 2,386,759; Oct. 16.
Bottle carrier. G. H. Hutaff, Jr. 2,386,859; Oct. 16.
Box: See—
Peephole box. Release box.
Bracket: See—
Curtain bracket. Shade and curtain bracket.
Brake: See—
Multiple disk brake.
Brake. R. C. Pierce. 2,386,907; Oct. 16.
Brakehead balancing device. N. Flesch. 2,387,132; Oct. 16.
Breathing apparatus. G. M. Deming. 2,387,123; Oct. 16.
Broaching machine. O. W. Bonnafa. 2,386,838; Oct. 16.
Broaching machine, Horizontal. O. W. Bonnafa. 2,386,837; Oct. 16.
Broiler. S. S. Rubenstein. 2,386,815; Oct. 16.
Builder mechanism. F. M. Roddy. 2,386,748; Oct. 16.
Burner: See—
Gas generating burner. Trash burner.
Burner. O. Fortis. 2,386,848; Oct. 16.
Bus bars, Joining. H. C. Kalwitz. 2,387,154; Oct. 16.
Butadiene, Purification of. H. G. Daley, D. J. Crowley, D. E. Badertscher, and H. L. Coonrad. 2,386,770; Oct. 16.
Cabinet: See—
Refrigerator cabinet.
Cam making machine. O. Mieth. 2,386,973; Oct. 16.
Cap and release therefor, Bottle. G. H. Hutaff, Jr. 2,386,860; Oct. 16.
Car door and lock therefor. W. A. Beauchamp and T. Madiand. 2,387,109; Oct. 16.
Card table. C. Kolodny. 2,387,030; Oct. 16.
Carrier: See—
Bottle carrier.
Carton and carton blanks. C. J. Meitzen. 2,386,905; Oct. 16.
Catalyst chamber. R. L. Huntington. 2,387,026; Oct. 16.
Catalysts, Recovery of. E. C. Hughes. 2,386,798; Oct. 16.
Catalytic dehydrogenation process. K. H. Hachmuth. 2,386,947; Oct. 16.
Catalytic hydrocarbon conversion system. A. G. Oblad and L. Heard. 2,387,088; Oct. 16.
Cellulose derivative articles, Treatment of. R. W. Moncrieff and C. W. Sammons. 2,387,168; Oct. 16.
Cellulosic material and abrasive article and making the same. Sheeted. B. S. Cross. 2,386,780; Oct. 16.
Centrifugal machine. E. M. Shideler and H. L. Bloxom. 2,387,095; Oct. 16.
Centrifugal pump. I. J. Karassik. 2,386,898; Oct. 16.
Chuck device, Automatic. G. Jellinek. 2,386,960; Oct. 16.
Circuit: See—
Electron beam rotation. Magnetic polarity changing circuit.
Fluorescent circuit.
Circuit interrupter, High voltage. R. H. Earle and R. H. Amundson. 2,386,886; Oct. 16.
Clamp: See—
Rope clamp.
Cleaner and baffle element therefor. Air. G. E. Lundberg and A. R. Crawford. 2,387,080; Oct. 16.
Cleaning composition. G. W. Gregg. 2,386,789; Oct. 16.
Clip: See—
Safety clip. Supporting clip.
Closing machine. N. Geertsen. 2,386,787; Oct. 16.
Clutch: See—
Fluid clutch.
Coating method and apparatus. F. R. Seavey. 2,386,818; Oct. 16.
Coating surfaces with quartz. J. C. Ogle, Jr., and A. R. Weinrich. 2,386,876; Oct. 16.
Coating with quartz vapor. W. L. Morgan. 2,386,875; Oct. 16.
Coatings, Surface plate. A. W. Buck and J. W. Miller. 2,387,056; Oct. 16.
Coil assembly. J. F. Furry. 2,386,889; Oct. 16.
Coin controlled mechanism. H. L. Neer, C. H. Wasson, and R. L. Neer. 2,386,974; Oct. 16.
Combustion apparatus. L. S. Reagan and J. C. Wallis. 2,386,882; Oct. 16.

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Communication system. R. V. L. Hartley. 2,387,018; Oct. 16.
 Comparator. K. R. Wood and C. W. Ahmer. 2,387,210; Oct. 16.
 Compensator for brakes. Wear. C. A. Sawtelle. 2,386,913; Oct. 16.
 Compressor, Balanced. M. F. and F. A. Hill, 2nd. 2,386,896; Oct. 16.
 Conductor and cable, Insulated electrical. J. Shield. 2,386,753; Oct. 16.
 Container: See—
 Insulated record container.
 Containers for liquefied gases, Spherical type insulated. J. O. Jackson. 2,386,958; Oct. 16.
 Containers, Loading ammunition. C. H. A. Hartley. 2,386,894; Oct. 16.
 Control mechanism. C. A. Arens. 2,386,767; Oct. 16.
 Control valve. R. E. Schurtz and J. N. Roth. 2,386,817; Oct. 16.
 Controlling system for regulators. W. L. Hunt. 2,386,799; Oct. 16.
 Conveyor. E. C. Wehle. 2,387,220; Oct. 16.
 Cooler for aircraft. Oil. B. Burns. 2,387,057; Oct. 16.
 Cooling fluids on boats or the like. W. B. Jutte. 2,386,803; Oct. 16.
 Cores, Forming electromagnetic. J. J. Vienneau. 2,387,099; Oct. 16.
 Corn cutter. C. E. Kerr. 2,386,955; Oct. 16.
 Cotton fibers, Treatment of. E. J. Cerny. 2,387,058; Oct. 16.
 Coupling. J. Tjaarda and K. Knibbe. 2,387,195; Oct. 16.
 Cover construction for containers. J. R. Richards and C. W. Evert. 2,387,184; Oct. 16.
 Crystal, Piezoelectric. A. E. Swickard. 2,386,916; Oct. 16.
 Crystals, Finishing piezoelectric. H. F. Fruth. 2,387,127; Oct. 16.
 Curtain bracket. W. Hilton. 2,386,854; Oct. 16.
 Cutter: See—
 Corn cutter.
 Cutter attachment for lathes. Radius. B. S. Scott. 2,386,984; Oct. 16.
 Derivatives of β -(3-hydroxycyclopentanopolylhydrophenanthrene)- α , β -butyrolactones. R. C. Elderfield and F. C. Uhle. 2,386,783; Oct. 16.
 Detonating. J. P. A. McCov. 2,386,970; Oct. 16.
 Differential, Self-locking. R. G. Le Tourneau. 2,387,301; Oct. 16.
 Diolens, Separating. J. H. Boyd, Jr. 2,386,927; Oct. 16.
 Dioxide, Preparation of zirconium. E. Walner. 2,387,046; Oct. 16.
 Door lifting mechanism. T. Madland. 2,387,161; Oct. 16.
 Double acting, two-cycle Diesel engine. W. R. Appeman. 2,387,107; Oct. 16.
 Drain pipe cleaning gun. J. K. Lawton. 2,386,870; Oct. 16.
 Drawer suspension. C. W. Straubel. 2,386,757; Oct. 16.
 Drive roll assembly. C. F. Greiner and J. F. Harrison. 2,386,946; Oct. 16.
 Duplex elastic seal. J. Mercier. 2,386,873; Oct. 16.
 Dyeing woolen and other nitrogenous textile material. H. J. Walter. 2,387,200; Oct. 16.
 Dyestuffs of the stilbene series. Azo. W. S. Eagle. 2,386,847; Oct. 16.
 Dynamoelectric machine. J. C. Bell. 2,387,050; Oct. 16.
 Dynamoelectric machine. F. Felix and A. C. Huglin. 2,387,062-63; Oct. 16.
 Dynamometer, Tiltable. H. O. Hem. 2,387,148; Oct. 16.
 Edible product and its production. M. L. Balzarini. 2,386,775; Oct. 16.
 Electric control system. K. Sarafan. 2,386,981; Oct. 16.
 Electric control system. S. Weiss. 2,387,047; Oct. 16.
 Electric cutting, Subaqueous. E. Seifried. 2,387,042; Oct. 16.
 Electric distributor ring for rotary knitting machines. M. Wachsmann. 2,387,100; Oct. 16.
 Electric follow-up mechanism. G. Olah. 2,387,174; Oct. 16.
 Electric lock. H. L. Bone. 2,387,115; Oct. 16.
 Electric switch. H. C. Harrison. 2,387,017; Oct. 16.
 Electrical apparatus. L. H. Bedford, L. Josef, and W. H. Stevens. 2,387,110; Oct. 16.
 Electrical control system. J. R. Albers. 2,386,921; Oct. 16.
 Electrical relay. A. B. Dodd. 2,387,127; Oct. 16.
 Electrode holder. R. C. Morford. 2,387,169; Oct. 16.
 Electromagnetic device. W. R. Mayberry. 2,386,904; Oct. 16.
 Electron beam rotation synchronizing circuit. A. M. Skellett. 2,387,045; Oct. 16.
 Electron gun or the like. H. M. Gaun and R. K. Geesford. 2,386,790; Oct. 16.
 Engine: See—
 Double acting, two-cycle Diesel engine.
 Engine. H. Bonbright and W. G. Gernandt. 2,387,114; Oct. 16.
 Engine. W. G. Gernandt and A. E. Walden. 2,387,143; Oct. 16.
 Engine charge forming device, Internal-combustion. H. A. Adams and M. Michelberger. 2,386,765; Oct. 16.
 Engine starting mechanism. R. M. Nardone. 2,386,812; Oct. 16.

Eraser, Typewriter. B. W. Hanle. 2,386,948; Oct. 16.
 Esters, Organic polysilicon. W. E. Hanford. 2,386,793; Oct. 16.
 Extinguishing device. Arc. L. H. Matthias. 2,387,033; Oct. 16.
 Extruding and apparatus therefor. H. F. Elsenrein. 2,386,782; Oct. 16.
 Extruding device. J. W. Hoffercker. 2,386,796; Oct. 16.
 Eyeglasses. C. J. T. Young. 2,386,998; Oct. 16.
 Fastener: See—
 Wood joining fastener.
 Fastener for belts. W. P. Reilly and C. W. Tingley. 2,386,977; Oct. 16.
 Fastening device. G. A. Tinnerman. 2,386,824; Oct. 16.
 Fastening device. E. R. Andrews and L. H. Steans. 2,386,922; Oct. 16.
 Feed for tools, Adjustable. J. E. Kline. 2,386,901; Oct. 16.
 Feeding and marking device, Cover. W. Dietzel. 2,386,845; Oct. 16.
 Fiber, Drafting textile. E. H. Rooney. 2,387,091; Oct. 16.
 Firearm foregrip. M. M. Johnson, Jr. 2,386,802; Oct. 16.
 Fitting, Cargo tie-down. R. Blagden. 2,386,836; Oct. 16.
 5-aminahexahydropyrimidines and preparing same. M. Senkus. 2,387,043; Oct. 16.
 Fixture, Article assembling. C. C. McCain. 2,387,083; Oct. 16.
 Flashlight, Electric. W. H. Gey. 2,387,144; Oct. 16.
 Flask, Whirlpool. P. Schumbohm. 2,387,092; Oct. 16.
 Flexible connection. D. Ingalls. 2,386,862; Oct. 16.
 Fluid clutch. C. A. Sawtelle. 2,386,912; Oct. 16.
 Fluid compositions, Process and apparatus for treating. R. N. Wallach and J. Zander. 2,386,826; Oct. 16.
 Fluorescent tube circuit. A. Stephan. 2,386,914; Oct. 16.
 Food handling apparatus. G. R. Wood. 2,387,209; Oct. 16.
 Footwear and making same. R. Maling. 2,386,809; Oct. 16.
 Fractionation control. J. B. Claffey. 2,386,778; Oct. 16.
 Fracture apparatus. L. A. Straits. 2,387,192; Oct. 16.
 Frame: See—
 Photographic printing frame.
 Fruit, Treating. A. F. Kalmar. 2,386,954; Oct. 16.
 Fuel feeding apparatus. F. E. Thomas. 2,386,991; Oct. 16.
 Furnace: See—
 Heat-treating furnace.
 Furnace for producing wood charcoal. C. Meyer. 2,386,972; Oct. 16.
 Fuse. W. O. Schultz. 2,386,752; Oct. 16.
 Garment. J. A. Rosehill. 2,386,909; Oct. 16.
 Garment, Child's. M. I. Lehman. 2,386,871; Oct. 16.
 Garment construction. J. A. Ayoub. 2,386,768; Oct. 16.
 Gas control means. Floor furnace. L. V. McCarty. 2,387,164; Oct. 16.
 Gas generating burner. C. L. Ruhl. 2,386,978; Oct. 16.
 Gasket for pressure relief disk valves. P. B. Drane. 2,386,940; Oct. 16.
 Gasoline and water separator. T. Miller. 2,387,035; Oct. 16.
 Gauge. W. H. Troedson. 2,387,218; Oct. 16.
 Gauge and producing it. Straif. R. H. Ostergren. 2,386,879; Oct. 16.
 Gear: See—
 Bomb displacing gear. Torpedo launching gear.
 Gear grinding machine, Automatic. E. W. Miller. 2,387,166; Oct. 16.
 Gear grinding machine with feed controlling slide, Generative. E. W. Miller. 2,387,167; Oct. 16.
 Gearing for washing machines, Variable-speed. E. E. Hood. 2,387,216; Oct. 16.
 Gels comprising silica. M. M. Marlicic and S. Dray. 2,386,810; Oct. 16.
 Glass, Manufacture of laminated safety. J. D. Ryan. 2,386,980; Oct. 16.
 Glass, Refining. J. W. Wright. 2,387,222; Oct. 16.
 Grid, Plastic ice tray. T. W. Rundell. 2,386,979; Oct. 16.
 Grinding and etching, Crystal. H. F. Fruth. 2,387,142; Oct. 16.
 Grinding machine. O. E. Gaudreau and H. Michelsen. 2,386,850; Oct. 16.
 Grinding machine, Surface. H. A. Silven. 2,387,044; Oct. 16.
 Grinding method and apparatus. H. F. Fruth. 2,387,138; Oct. 16.
 Grinding piezoelectric crystals, Method and apparatus for finish. H. F. Fruth. 2,387,140; Oct. 16.
 Grinding small objects. H. F. Fruth. 2,387,135; Oct. 16.
 Grinding small objects, Method and apparatus for edge. H. F. Fruth. 2,387,136; Oct. 16.
 Guard, Open window. E. L. Hoffmann. 2,387,025; Oct. 16.
 Gun. A. Vang. 2,387,199; Oct. 16.
 Gun cocking device. C. E. Johnson and C. R. Elliott. 2,386,801; Oct. 16.
 Harvester, Nut. M. E. Phillips. 2,386,881; Oct. 16.
 Harvester reel. H. Q. Herrstrom. 2,387,069; Oct. 16.
 Harvester reel mounting. R. B. Hitchcock and A. H. Keller. 2,387,071; Oct. 16.
 Harvesting machine, Cotton. C. R. Berry. 2,387,004; Oct. 16.

Haystacker and automatic release. J. E. Twidwell. 2,387,198; Oct. 16.
 Headrest. G. A. Lansden. 2,387,079; Oct. 16.
 Heat deflecting means for internal-combustion engines. W. B. Bronander. 2,387,052; Oct. 16.
 Heater: See—
 Liquid heater.
 Heater. F. O. Hess and R. B. B. Wakefield. 2,387,022; Oct. 16.
 Heater control system, Electric tank. C. M. Osterheld. 2,387,180; Oct. 16.
 Heater control system, Tank. C. M. Osterheld. 2,387,178; Oct. 16.
 Heater control system, Water. C. M. Osterheld. 2,387,175-7; Oct. 16.
 Heater control system, Water. C. M. Osterheld. 2,387,179; Oct. 16.
 Heating apparatus. A. Barnsteiner and E. E. Sutherland. 2,386,776; Oct. 16.
 Heating apparatus, Induction. V. W. Sherman. 2,386,819; Oct. 16.
 Heat-treating furnace. F. A. Endress. 2,387,129; Oct. 16.
 Heel. B. Kellman. 2,387,029; Oct. 16.
 Hoist. W. O. Nelson. 2,387,087; Oct. 16.
 Holder: See—
 Electrode holder.
 Hydraulic packing washer. A. Procter. 2,387,182; Oct. 16.
 Hydraulic press. M. D. Stone and F. J. Gieve. 2,387,190; Oct. 16.
 Hydraulic system. A. H. Swenson and P. A. Anderson. 2,386,990; Oct. 16.
 Hydrocarbon conversion, Method and apparatus for catalytic. G. S. Danham. 2,386,846; Oct. 16.
 Hydrocarbons and making mercaptans, Separating. D. E. Badertscher, H. L. Conradt, and D. J. Crowley. 2,387,224; Oct. 16.
 Hydrocarbons, Conversion of. M. P. Matuszak. 2,387,162; Oct. 16.
 Hydrocarbons, Dehydrocyclization of aliphatic. V. N. Ipatieff and V. Haensel. 2,386,957; Oct. 16.
 Hydrocarbons, Solidified normally liquid. A. J. Laliberte. 2,386,805; Oct. 16.
 Hydrocarbons, Treatment of. W. A. Schulze and J. C. Hilmyer. 2,386,983; Oct. 16.
 Hydrogen halide, Recovering. B. S. Friedman. 2,386,944; Oct. 16.
 Indexing fixture for machine tools. J. J. Osplack. 2,386,880; Oct. 16.
 Indicator: See—
 Audible stall indicator.
 Tow slider position indicator.
 Injector, Steam. R. D. and J. C. Metcalfe. 2,386,971; Oct. 16.
 Insecticidal compositions. G. H. Coleman, W. D. Schroeder, and G. A. Griess. 2,386,779; Oct. 16.
 Insulated record container. E. H. Mosler and H. H. Lynn. 2,387,172; Oct. 16.
 Iron ores, Flotation of. E. C. Herkenhoff. 2,387,081; Oct. 16.
 Isomerization. N. Fragen. 2,386,784; Oct. 16.
 Jar capping apparatus. J. Hohl and O. Bjering. 2,386,797; Oct. 16.
 Jar feeding mechanism. H. A. Barnby and J. Hohl. 2,387,211; Oct. 16.
 Jet, Method and apparatus for projecting liquid. L. G. M. Timpson. 2,386,916; Oct. 16.
 Joint: See—
 Universal joint.
 Joint and device therefor, Pipe. H. W. Jewell. 2,386,865; Oct. 16.
 Keying system. R. J. Davis. 2,386,844; Oct. 16.
 Kila. H. M. Beatty. 2,386,825; Oct. 16.
 Kila, Rotary. E. L. Gibson. 2,387,014; Oct. 16.
 Kite apparatus. J. S. Wheelwright. 2,386,762; Oct. 16.
 Knife. R. W. Lowry. 2,387,032; Oct. 16.
 Lactones and making same. L. Ruzicka. 2,386,749; Oct. 16.
 Laminated structures, Making a. G. E. Tardiff. 2,386,821; Oct. 16.
 Last, Two-part. V. J. Levaggi, Jr. 2,386,808; Oct. 16.
 Latch and lock, Door. H. T. Smith. 2,387,187; Oct. 16.
 Latex and product thereof, Preserving. W. D. Stewart. 2,386,756; Oct. 16.
 Launching device, Ship. J. B. Hall. 2,387,147; Oct. 16.
 Level. W. G. Baldwin. 2,386,533; Oct. 16.
 Lifter for machine tools, Tool. J. Daugherty. 2,387,012; Oct. 16.
 Line blind. L. S. Hamer. 2,386,893; Oct. 16.
 Link, Release. D. W. Cooper. 2,386,932; Oct. 16.
 Liquid heater. H. W. Hayward. 2,386,949; Oct. 16.
 Liquid materials, Solidified normally. A. J. Laliberte. 2,386,804; Oct. 16.
 Loader, Portable. W. C. Steinmetz. 2,387,189; Oct. 16.
 Lock: See—
 Electric lock.
 Lock. A. S. Karczewski. 2,386,868; Oct. 16.
 Loud-speaker. M. F. Lucas. 2,386,964; Oct. 16.
 Lubricants, Low temperature. J. D. Morgan. 2,387,170; Oct. 16.

Machine drive and control. E. M. Runquist and L. A. Ederer. 2,387,185; Oct. 16.
 Machine for making preforms. F. S. Gregory, Jr. 2,386,891; Oct. 16.
 Machine tool control. C. Johnson. 2,387,075; Oct. 16.
 Magnetic polarity changing circuit. W. C. Hall, Jr. 2,387,016; Oct. 16.
 Material handling apparatus. R. F. Blavaty. 2,387,150; Oct. 16.
 Material working apparatus. J. C. Hroch, Jr. 2,387,074; Oct. 16.
 Materials impermeable to ultra-violet light. W. Horback. 2,386,855; Oct. 16.
 Measuring and cutting machine, Line. E. H. Brown. 2,386,928; Oct. 16.
 Mechanical device. L. N. Barnum, C. A. Donnelly, and R. L. Maple. 2,386,834; Oct. 16.
 Method of machining parts. L. A. Corey. 2,387,214; Oct. 16.
 Method of making shoes and product of said method. A. Sanchioni. 2,386,910; Oct. 16.
 Mill: See—
 Reducing mill.
 Mining machine. A. L. Lee. 2,387,159; Oct. 16.
 Mono-acyl ethylene diamines. N. Weiner. 2,387,201; Oct. 16.
 Motor construction. S. S. Brown. 2,386,930; Oct. 16.
 Motorcycle fluid drive. C. A. Johnson. 2,387,076; Oct. 16.
 Mount support. L. E. Harding. 2,387,066; Oct. 16.
 Mounting: See—
 Harvester reel mounting. Wheel truck mounting.
 Mounting. L. E. Harding. 2,387,065; Oct. 16.
 Mower. S. E. Hilblom. 2,387,070; Oct. 16.
 Multiple disk brake. D. Parrett. 2,387,039; Oct. 16.
 Mute for stringed musical instruments. R. B. Kingman. 2,386,809; Oct. 16.
 Oil ring. D. P. Lower. 2,386,963; Oct. 16.
 Oils, Cutting. E. C. Hughes. 2,386,952; Oct. 16.
 Olefins, Isomerization of. P. L. Cramer. 2,386,934; Oct. 16.
 1,2,3,4-tetrazole compounds, Manufacture of. J. D. Kendall. 2,386,869; Oct. 16.
 Opener and dispenser, Box. W. E. Neilson, Jr., and C. C. Tinkey. 2,386,877; Oct. 16.
 Optical system. P. A. Birdick. 2,387,113; Oct. 16.
 Orienting device. P. Wolfers. 2,387,104; Oct. 16.
 Ornamental accessory. J. Nuter. 2,387,173; Oct. 16.
 Package, Seat-cover. L. Clark. 2,387,059; Oct. 16.
 Packer, Double seal. C. H. Barnes. 2,387,003; Oct. 16.
 Pad or sales book, Duplicating. E. Z. Lewis. 2,386,872; Oct. 16.
 Parachutes for packing, storage, and use, Preparing. H. Wilson. 2,386,829; Oct. 16.
 Peephole box. C. Foster. 2,387,132; Oct. 16.
 Pen, Fountain. M. S. Baker. 2,387,001; Oct. 16.
 Petrolatum, Refining crude. J. D. Morgan and A. R. Blakey. 2,387,171; Oct. 16.
 Petroleum products, Emulsified. R. M. Koppenhoefer. 2,387,157; Oct. 16.
 Photoengraving or the like. H. C. Alger. 2,387,048; Oct. 16.
 Photographic apparatus. W. J. Daly. 2,386,781; Oct. 16.
 Photographic film, Method of and apparatus for processing. H. W. Houston. 2,386,856; Oct. 16.
 Photographic fixing method. J. R. Alburger. 2,387,000; Oct. 16.
 Photographic images by color-development, Production of colored. B. Gluck. 2,387,145; Oct. 16.
 Photographic printing frame. M. Egelman. 2,386,888; Oct. 16.
 Piezoelectric apparatus. J. P. Arndt, Jr., W. J. Brown, and A. L. W. Williams. 2,387,108; Oct. 16.
 Piezoelectric crystal structures, Making. H. F. Fruth. 2,387,141; Oct. 16.
 Pigments and making the same. C. D. Downs and H. F. Saunders. 2,386,885; Oct. 16.
 Piston construction, packing. A. Procter. 2,387,181; Oct. 16.
 Piston ring structure. T. E. McFall and O. Norton. 2,387,084; Oct. 16.
 Plastic articles, Producing. S. Milano. 2,387,034; Oct. 16.
 Plastics, High-frequency electrostatic heating of. H. F. MacMillin. 2,386,966; Oct. 16.
 Plate for multistack bobbin magazines, End. R. G. Turner. 2,387,197; Oct. 16.
 Plate reversing mechanism. C. W. Beck and J. W. Pick. 2,386,925; Oct. 16.
 Pleating machine, Accordion. W. T. Maxant. 2,387,163; Oct. 16.
 Polyvinyl chloride composition. F. A. Bent. 2,387,111; Oct. 16.
 Pour-out finishes for containers. C. Chew and R. H. Lewis, II. 2,387,213; Oct. 16.
 Power-transmission belts, Manufacturing endless. B. W. Wetherbee. 2,386,761; Oct. 16.
 Power transmission for sawmill carriages. B. W. Andrus. 2,386,922; Oct. 16.
 Precipitator, Electrical. H. J. White. 2,386,827; Oct. 16.

Press: See—
Hydraulic press. Toggle lever press.
Pressure responsive switch. J. H. Leslie, II. 2,386,807; Oct. 16.
Pressure vessel and support. P. D. Hishon, W. D. Carter, T. N. Ravn, and H. L. Borchers. 2,387,024; Oct. 16.
Printing machine. C. L. Low. 2,386,962; Oct. 16.
Protecting ships at sea. N. M. Hopkins. 2,386,950; Oct. 16.
Protector, Chuck and hose. B. Greenwald. 2,386,791; Oct. 16.
Pulse controlling apparatus. S. F. Warner. 2,386,760; Oct. 16.
Pump: See—
Centrifugal pump.
Pump valve structure. J. J. Hennessy. 2,386,794; Oct. 16.
Punch and die assembly. L. V. Whistler and S. A. Whistler. 2,386,920; Oct. 16.
Punch and die, interchangeable. A. C. Jackson. 2,387,027; Oct. 16.
Pyridinium compounds and making the same. Certain. M. De Groote and B. Kelsner. 2,386,936; Oct. 16.
Quaternary thiazolium compounds and manufacture thereof. H. Andersag and K. Westphal. 2,386,766; Oct. 16.
Radio antenna system. M. Bruce. 2,387,116; Oct. 16.
Radio transmission system. R. M. Sprague and E. G. Frahm. 2,387,098; Oct. 16.
Rail fastening. R. P. Clarkson. 2,387,009; Oct. 16.
Ravioli, Method of and apparatus for making. M. Valdastri, Sr. 2,386,993; Oct. 16.
Receptacle: See—
Trash and garbage receptacle.
Record controlled system. S. B. Williams. 2,386,763; Oct. 16.
Reducing mill. H. C. Inslee. 2,386,863; Oct. 16.
Reel: See—
Harvester reel.
Reflector. J. H. Owens. 2,387,038; Oct. 16.
Refrigeration apparatus. R. E. Tobey. 2,386,919; Oct. 16.
Refrigeration system. L. Buehler, Jr. 2,387,117; Oct. 16.
Refrigerator cabinet. D. E. Dalley. 2,386,935; Oct. 16.
Release box. J. H. Derby. 2,387,125; Oct. 16.
Remote control locking means. S. V. Dillon. 2,387,126; Oct. 16.
Remote control system. A. L. Jerome and L. V. Lewis. 2,387,152; Oct. 16.
Removal and sifting device. Ash. A. Delean. 2,386,938; Oct. 16.
Reproducing device. L. B. Hendershot. 2,387,021; Oct. 16.
Reproduction method. R. F. Ledoux. 2,386,806; Oct. 16.
Resins and their preparation. Allyl ester. D. E. Adelson and H. Dannenberg. 2,386,999; Oct. 16.
Resins, Hard. F. P. Otto and O. M. Reiff. 2,387,037; Oct. 16.
Resistor, Electric. S. J. Smith. 2,387,096; Oct. 16.
Resistor for ultra high frequency measurements, Coaxial load. H. N. Kozanowski. 2,387,158; Oct. 16.
Reversal process, Positive. H. W. Houston. 2,386,857-8; Oct. 16.
Riboflavin, Recovery of. G. E. Hines, Jr. 2,387,023; Oct. 16.
Ring: See—
Oil ring.
Rivet applying tool. J. P. Desmet. 2,386,939; Oct. 16.
Rope clamp. M. A. Puckett. 2,386,908; Oct. 16.
Rotor for electric motors. A. F. Horlacher. 2,387,073; Oct. 16.
Rubber latex, Synthetic. B. M. G. Zwicker. 2,386,764; Oct. 16.
Rubber, Production of synthetic. F. T. Carpenter. 2,386,931; Oct. 16.
Rums, Production of heavy. R. Arroyo. 2,386,924; Oct. 16.
Safety clip. J. L. Mancini. 2,386,967; Oct. 16.
Safety window seat. W. Meyer. 2,387,085; Oct. 16.
Sandblasting of ships' hulls, Method of and apparatus for. W. H. Swenarton. 2,387,193; Oct. 16.
Saw, Chain. M. L. Forrest. 2,387,064; Oct. 16.
Scourer for kitchen utensils. R. B. Klingman. 2,386,900; Oct. 16.
Seals, Forming. P. L. Spencer. 2,386,820; Oct. 16.
Seam or suture for wounds, Indirect. P. E. G. Fernandez. 2,387,131; Oct. 16.
Seat: See—
Safety window seat.
Sectional boiler. A. J. Gallaher. 2,386,945; Oct. 16.
Selenium cell. O. Saslaw. 2,386,750; Oct. 16.
Separating hydrocarbons and making mercaptans. D. E. Badertscher, H. L. Coonradt, and D. J. Crowley. 2,386,769; Oct. 16.
Separating hydrocarbons and making mercaptans. D. E. Badertscher, H. L. Coonradt, and D. J. Crowley. 2,386,771-2; Oct. 16.
Separating hydrocarbons and making mercaptans. D. E. Badertscher, H. L. Coonradt, and D. J. Crowley. 2,386,774; Oct. 16.
Separation of tertiary base olefins from hydrocarbon mixtures. D. E. Badertscher, D. J. Crowley, and C. F. Feasley. 2,386,773; Oct. 16.

Separator: See—
Gasoline and water separator.
Separator for cooling systems, Oil saving. A. G. Wood. 2,387,208; Oct. 16.
Sewing machine. C. W. Johnson. 2,386,800; Oct. 16.
Shade and curtain bracket. I. Illef. 2,386,861; Oct. 16.
Shade mounting for outwinging windows. C. H. Shirley. 2,386,986; Oct. 16.
Shaker, Cocktail. C. T. Jacobs. 2,387,151; Oct. 16.
Shears, Pinking. C. E. Brown. 2,387,053; Oct. 16.
Sheet folding. J. W. Cordell. 2,386,933; Oct. 16.
Shellac product and making same, Modified. H. H. Bassford, Jr. 2,387,049; Oct. 16.
Shirt. J. L. Corbl. 2,387,060; Oct. 16.
Shock absorber, Combined spring and friction. S. B. Haseltine. 2,386,895; Oct. 16.
Shoe. J. P. Famolare. 2,386,786; Oct. 16.
Shoe and producing same. A. Sanchioni. 2,386,911; Oct. 16.
Shoes, Lasting. J. S. Kamborian. 2,387,028; Oct. 16.
Ski pole construction. R. C. Taft. 2,387,194; Oct. 16.
Signalling carrier system with relaying protection, Multiple. H. W. Haberl. 2,387,146; Oct. 16.
Signalling device, Electric. A. Edelman. 2,386,942; Oct. 16.
Signalling plant for vehicle traffic, Electric. B. Jobin. 2,386,866; Oct. 16.
Signalling system, Facsimile. C. J. Young. 2,386,997; Oct. 16.
Ski. O. A. Erickson. 2,387,061; Oct. 16.
Snap action switch. W. R. Peterson and A. G. Ford. 2,387,089; Oct. 16.
Soil gas samples, Obtaining. W. M. Zaikowsky and H. E. Metcalf. 2,386,832; Oct. 16.
Soles, Method of and machine for attaching. C. D. Knowlton. 2,386,902; Oct. 16.
Sound transcription machine. H. P. Clausen. 2,387,010; Oct. 16.
Sound translating apparatus. A. L. W. Williams. 2,386,996; Oct. 16.
Spindle structure. G. F. Yager. 2,387,105; Oct. 16.
Spongy material, Synthetic. V. F. Wigal. 2,386,995; Oct. 16.
Spring suspension for railroad cars. A. F. Hickman. 2,386,795; Oct. 16.
Stamp roller. H. S. K. Lui. 2,386,965; Oct. 16.
Staple, Wire fence. C. T. Hunt. 2,386,953; Oct. 16.
Steadier for elongated workpieces and mandrel bars. H. C. Inslee. 2,386,864; Oct. 16.
Steam boiler. G. C. Wicks. 2,387,103; Oct. 16.
Steel plate from corrosion and preparing elements of container bodies therefrom, Preserving. F. J. O'Brien and C. E. Maier. 2,386,813; Oct. 16.
Stereoscopic modelling machine. L. A. Scholz. 2,386,816; Oct. 16.
Stretcher accommodation means for vehicles or the like. A. S. Malling. 2,387,082; Oct. 16.
Stretcher, Barbed-wire. J. H. Sayles. 2,386,751; Oct. 16.
Stud or the like, Self-locking. F. W. Johnson. 2,386,897; Oct. 16.
Styrene sheets, Flattening curly polymerized. J. P. Putnam. 2,386,976; Oct. 16.
Sulphonamides and making same. M. Hartmann, F. Cueni, J. Druey, and H. von Meyenburg. 2,386,852; Oct. 16.
Support: See—
Mount support.
Pressure vessel and support.
Supporting clip. O. C. Eckel. 2,386,887; Oct. 16.
Suspension means for automatic washers. P. E. Geldhof and L. Ringe. 2,386,788; Oct. 16.
Switch: See—
Electric switch. Snap action switch.
Pressure responsive switch.
Switch for discharge lamps, Electric. F. D. Bryant. 2,387,055; Oct. 16.
Swivel, Electric. O. Gilbertson. 2,387,015; Oct. 16.
Table: See—
Card table.
Tank gauge and filling device. S. F. Czerner. 2,387,011; Oct. 16.
Temperature control apparatus. K. Lutomiński. 2,386,903; Oct. 16.
Testing apparatus, Precision pull-bar. O. M. Summers. 2,386,989; Oct. 16.
Tetrols, Aliphatic dinitro. H. B. Hass and W. R. McElroy. 2,387,019; Oct. 16.
T-head columns, Forming. J. J. Fox. 2,387,134; Oct. 16.
Thermoplastic compositions and products obtained thereby, Making. G. D. Martin. 2,386,968; Oct. 16.
Thread control for web replenishing mechanism. C. Darwin. 2,387,122; Oct. 16.
Tightener, Wadding roll. C. A. Fourness and C. H. Reichel. 2,386,943; Oct. 16.
Tilting apparatus. D. H. Mitchell and R. R. Pollard. 2,386,906; Oct. 16.

Timer, Program. W. and P. Klamp. 2,386,956; Oct. 16.
Timing mechanism. H. E. Somes. 2,387,097; Oct. 16.
Tire shield, Automobile. H. Spingler. 2,387,188; Oct. 16.
Toggle lever press. A. Schneider and E. Ungethuen. 2,387,041; Oct. 16.
Tool: See—
Rivet applying tool.
Tool. W. M. Doehring. 2,387,128; Oct. 16.
Toolholder. V. E. Griffin. 2,386,851; Oct. 16.
Torpedo defense for ships. G. Provenzano. 2,387,090; Oct. 16.
Torpedo launching gear. E. S. Dennison. 2,387,124; Oct. 16.
Tow glider position indicator. B. G. Carlson. 2,386,884; Oct. 16.
Tower or mast construction. H. Cohen. 2,387,120; Oct. 16.
Trailer suspension. M. D. Sullivan. 2,386,988; Oct. 16.
Trash and garbage receptacle. K. L. Brown. 2,386,929; Oct. 16.
Toy. M. Herrmann. 2,386,853; Oct. 16.
Tracer mechanism. M. Turchan and C. Walker. 2,386,825; Oct. 16.
Trash burner. F. R. Boedecker. 2,387,005; Oct. 16.
Truck, High-speed railway car. C. J. Holland and K. Edahl. 2,387,072; Oct. 16.
Truck, Lift. G. V. Johnson. 2,387,077; Oct. 16.
Tube: See—
Bimetal tube.
Tubing for transportation, Preparing. I. D. Thornburgh. 2,386,823; Oct. 16.
Tubing, Making. W. D. Blatz. 2,387,051; Oct. 16.
Turncocks, Making. J. C. Fuller. 2,387,013; Oct. 16.
Tweezers and magnifying device, Combination. G. B. Brustolon. 2,387,054; Oct. 16.
2-amino-thiazole, Preparation of. E. C. Britton and K. G. Harding. 2,387,212; Oct. 16.
Typewriting machine. A. G. F. Kurowski. 2,387,078; Oct. 16.

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Underdrain for filters and the like. J. D. Walker. 2,387,101; Oct. 16.
Unit cooler. A. D. Ames. 2,386,883; Oct. 16.
Universal joint. J. R. Snyder. 2,386,754; Oct. 16.
Urea pyridinium compounds. M. De Groote and B. Kelsner. 2,386,937; Oct. 16.
Valve: See—
Control valve.
Valve. J. D. Buchanan. 2,387,006; Oct. 16.
Valve actuating system. J. D. Buchanan. 2,387,007; Oct. 16.
Valve mechanism. J. D. Buchanan. 2,387,008; Oct. 16.
Valve operating system. D. G. Fawkes. 2,387,215; Oct. 16.
Vaporizer, Electric. M. Katzman. 2,387,155-6; Oct. 16.
Venting means. I. O. Miner. 2,386,874; Oct. 16.
Vibration pickup. H. Carson. 2,387,223; Oct. 16.
Vise. M. E. Wallis. 2,387,102; Oct. 16.
Washer: See—
Hydraulic packing washer.
Web aligning apparatus. J. F. Morse. 2,387,036; Oct. 16.
Welding. W. O. Bennett, Jr. 2,387,112; Oct. 16.
Welding apparatus. H. P. Heath and K. A. Weston. 2,387,067; Oct. 16.
Well completion apparatus. E. F. Cooke. 2,386,841; Oct. 16.
Wheel truck mounting. W. F. Schmied. 2,387,093; Oct. 16.
Window, Insulating. E. Clerk. 2,387,119; Oct. 16.
Wood joining fastener. S. L. Travers. 2,386,758; Oct. 16.
Wrapper. E. C. Scott. 2,387,217; Oct. 16.
Wringer. C. Moon. 2,387,086; Oct. 16.
X-ray diffraction patterns, Measuring. H. Friedman. 2,386,785; Oct. 16.
Xylene, Production of. W. J. Mattox. 2,386,969; Oct. 16.
Yarn feed control means for textile machines. P. J. Thomas. 2,386,822; Oct. 16.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 16, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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CLASSIFICATION OF PATENTS

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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FOREIGN PATENTS RECEIVED

in the Scientific Library

as of Oct. 1, 1945

Country	Date received	Highest number
Australia.....	Sept. 26, 1945	120,031
Austria.....	June 14, 1940	158,700
Czechoslovakia.....	Mar. 27, 1940	68,500
Denmark.....	Sept. 3, 1940	57,353
France (Patents).....	Feb. 17, 1945	* 889,648
(Additions).....	Aug. 24, 1945	* 51,050
Germany.....	Aug. 5, 1941	707,172
Great Britain.....	Aug. 3, 1945	569,242
Hungary.....	July 8, 1942	128,400
India.....	Aug. 1, 1945	* 31,613
Italy.....	Aug. 22, 1941	382,000
Japan.....	Aug. 4, 1941	141,060
Netherlands.....	Feb. 14, 1942	51,484
Norway.....	Sept. 7, 1945	* 69,589
Poland.....	Aug. 30, 1939	28,270
Sweden.....	Oct. 1, 1945	* 114,637
Switzerland.....	Dec. 26, 1942	* 220,062

* Recent files incomplete.

Notice

U. S. PATENT OFFICE, Washington, D. C., Sept. 20, 1945.

Rules 137 and 138, as amended, are intended to apply to all appealed cases which are set for hearing after January 1, 1946.

No response to any reply will be accepted.

The purpose of a reply is to enable Examiners to furnish the Board with their views regarding new facts or arguments raised in applicant's brief on appeal. A reply should not be used merely as a substitute for, or to amplify, an Examiner's statement, which should be full and complete and, ordinarily, sufficient to avoid the necessity of a reply. Rule 137 specifies that a brief on appeal must be filed 20 days before the day of hearing and the reply at least 5 days before such day. These times are maximum limits, and the rule provides a maximum of 15 days between the date of filing of a brief on appeal and the reply thereto. A brief on appeal may be filed at any time prior to 20 days before the day of hearing, and whenever filed, any reply thereto must be filed by the Examiner within 15 days after its receipt by the Office.

CASPER W. OOMS,
Commissioner.

Disclaimers

1,903,957.—Thomas B. Clark, Rockford, Ill. WATER SOFTENING SYSTEM AND MEANS FOR CONTROLLING OPERATION THEREOF. Patent dated Apr. 18, 1933. Disclaimer filed Sept. 21, 1945, by the assignee, The Permutit Company.

Hereby enters this disclaimer to claim 14 of said Letters Patent.

1,954,405.—Andrew J. Dotterweich, Pittsburgh, Pa. WATER SOFTENING APPARATUS. Patent dated Apr. 10, 1934. Disclaimer filed Sept. 21, 1945, by the assignee, The Permutit Company.

Hereby enters this disclaimer to claim 48 of said Letters Patent.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective parties were not the first inventors with respect to the claims listed:

Pat. 2,369,952, G. F. Devine, Background noise suppressor, decided Sept. 10, 1945, claims 1 and 2.

Pat. 2,280,981, A. E. Schuh, Fabrication of laminated metal objects, decided Oct. 4, 1945, claims 1, 3, and 4.

Pat. 2,280,026, C. H. Brown, Ultra short wave system, decided Aug. 6, 1945, claim 10.

Condition of Applications Under Examination at Close of Business October 5, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 72,292; Trade-Mark Division, 2,844. Oldest new case, September 28, 1944; oldest amended, October 2, 1944.)
(The dates given are 1945 except where † indicates 1944.)

DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS

	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spitoons; Sewerage.	†Dec. 11	Jan. 1	1135
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wingers; Butchering.	†Oct. 19	†Oct. 26	1390
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part).	†Dec. 4	†Dec. 14	1375
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Jan. 18	Jan. 29	1098
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	†Oct. 2	†Oct. 6	1861
6. GENIESSE, E. W., Carbon Chemistry (part).	Jan. 19	Jan. 20	1272
7. JARBOE, C. G., Optics, Photography.	Apr. 10	Apr. 11	1041
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets.	Mar. 15	Mar. 19	1155
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors.	†Nov. 8	†Nov. 22	1301
10. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	May 18	May 22	855
11. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control.	†Oct. 28	†Nov. 16	1414
12. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning.	Jan. 24	Feb. 15	1096
13. HALLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery.	Mar. 6	Mar. 15	844
14. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Mar. 28	Mar. 29	917
15. SPENCER, C. J., Telegraphy; Telephony.	Feb. 14	Feb. 14	863
16. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	†Nov. 23	†Nov. 23	702
17. KURZ, J. A., Motors, Expandable-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Jan. 18	Jan. 4	1217
18. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	†Dec. 26	†Dec. 11	769
19. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Feb. 16	Feb. 21	842
20. THOMPSON, T. J., Textiles.	Apr. 2	Apr. 6	507
21. ORPENTER, B. H., Aeronautics; Firearms; Ordnance.	Feb. 8	Feb. 7	1340
22. LEWIS, J. B., Cash Registers; Calculators (part).	Feb. 8	†Dec. 7	163
23. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines.	Mar. 9	Mar. 5	884
24. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Jan. 8	Jan. 15	1037
25. YOUNG, R. R., Electricity—Generation and Motive Power.	†Nov. 15	†Dec. 1	1246
26. OLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	†Dec. 1	†Nov. 13	1162
27. SOLYOM, H. L., Heating, Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	†Nov. 6	†Nov. 6	1059
28. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	†Dec. 12	†Dec. 15	1195
29. MCCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Jan. 19	Jan. 19	1303
30. DUNCAN, C. S., Hydrocarbons; Mineral Oils.	May 17	May 15	960
31. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Mar. 20	Mar. 17	975
32. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Jan. 26	Jan. 31	1214
33. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Jan. 18	Jan. 24	673
34. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	†Dec. 21	†Dec. 11	1058
35. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring.	Jan. 17	Jan. 25	802
36. WEAVER, M. E., Electricity, Circuit Makers and Breakers.	†Nov. 9	†Nov. 18	1214
37. KRAFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation.	†Dec. 28	†Dec. 20	920
38. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution.	†Dec. 18	Jan. 5	1313
39. DRUMMOND, E. J., Receptacles (part); Packages.	Jan. 6	Jan. 31	1503
40. HERTZ, M., Coin Handling; Records; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	†Dec. 29	†Dec. 9	559
41. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters.	Feb. 28	Feb. 27	663
42. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	†Dec. 30	Jan. 4	808
43. HARVEY, L. P., Refrigeration; Preserving.	†Oct. 20	†Oct. 17	716
44. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	†Dec. 29	Jan. 8	1366
45. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	†Nov. 29	†Nov. 29	787
46. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part).	Mar. 9	Mar. 10	1262
47. ROEPKE, O. B., Electricity, General Applications; Electric Igniters.	†Dec. 13	†Dec. 12	1305
48. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Mar. 10	Mar. 3	703
49. LEVIN, SAMUEL, Synthetic Resins.	Feb. 9	Feb. 9	1504
50. CROCKER, A. W., Radiant Energy; Modulators.	Jan. 1	†Dec. 30	1979
51. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	†Nov. 20	Jan. 6	1699
52. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	†Oct. 17	†Nov. 30	1356
53. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	†Sept. 28	†Oct. 2	1427
54. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part).	Feb. 19	Jan. 22	917
55. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making.	†Nov. 25	†Nov. 25	1032
56. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	†Nov. 13	†Nov. 13	1203
57. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	Apr. 10	Apr. 6	717
58. SHEPARD, E. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part).	†Nov. 6	†Nov. 13	1414
59. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	†Dec. 9	†Dec. 27	1210
60. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Jan. 13	Jan. 19	1180
61. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors.	†Nov. 11	†Nov. 13	1964
62. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	†Oct. 27	†Dec. 23	1577
63. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel.	June 1	May 28	787
64. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	†Nov. 3	†Nov. 6	1384
TRADE-MARKS: RICHMOND, F. A.	June 1	July 30	2844
DESIGNS: KALOPY, H. H.	June 21	Aug. 10	1719

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

BOWERS v. VALLEY AND ERNST

VALLEY v. BOWERS AND ERNST

Nos. 4,993 and 4,995. Decided April 9, 1945. Petition by Bowers for rehearing denied May 22, 1945.
[149 F.(2d) 284; 65 USPQ 493]

- INTERFERENCE—DILIGENCE—POVERTY.**
Held that appellant Valley had failed to show such lack of financial ability to develop the oil-control ring in issue as would excuse his lack of diligence.
- SAME—SAME—SAME.**
"While the evidence shows that he was a poor man, it does not appear that at any time he was so lacking in funds as to have prevented a proper test at the proper time. There is testimony to the effect that in 1937 and 1938 he had an income of forty dollars a week and that his expenses, which he paid out of that income, came to approximately the same amount. The record shows, however, that he did buy a Chrysler car in 1937; and, furthermore, no lack of funds prevented him from further activity except at a date too late to be of advantage here."
- SAME—REDUCTION TO PRACTICE—NECESSITY OF TESTS.**
"A piston ring is not a device of such simple character and readily apparent efficacy as to fall within the holding of such cases as *Mason v. Hepburn*, 13 App. D. C. 86, 84 O. G. 147, and *Schartow v. Schleicher*, 35 App. D. C. 347, 156 O. G. 800, to the effect that no actual test is required to show utility and thus amount to a reduction to practice."
- SAME—SAME—SUFFICIENCY OF TESTS—EVIDENCE.**
Where a ring assembly, Exhibit 10-A, was tested by appellant Bowers and in the record of tests it was concluded that said "set-up may have merit as a slapper scraper," Held that the "entry must be looked upon at least as evidence of a doubtful attitude as to whether or not there was any merit in the device," and would indicate "that there was at least a doubt in the mind of the one who made the entry as to whether or not the ring would operate to accomplish satisfactorily the chief purposes which it was to serve."
- SAME—SAME—SAME.**
"Tests should be 'such as to establish utility beyond probability of failure.' *Taylor v. Swingle*, 30 C. C. P. A. (Patents) 1219, 136 F.(2d) 914, 58 USPQ 468, 556 O. G. 716."
- SAME—SAME—SAME—CORROBORATION.**
"The testimony of Bowers' corroborating witnesses is too indefinite and uncertain on the important question as to the success of the tests to be accepted here as amounting to a reduction to practice."
- SAME—ABANDONED EXPERIMENT.**
"After these tests had ended, nothing more was done by Bowers for about three years. In the interval between the tests and the time of filing the instant application, he had filed as many as forty patent applications and was granted at least ten patents. When he filed the instant application, he did not use as a basis for it, the structure of Exhibit 10-A. While this latter fact, standing alone, would not be of very great significance, it, when taken together with the other circumstances recited, lends support to the conclusion of the Board that the 1937 tests amounted to nothing more than an abandoned experiment."
- SAME—SAME.**
"When there is a doubt as to whether there has been an actual reduction to practice, the subsequent conduct of the inventor may disclose that, instead of a reduction to practice, the acts relied upon show that what was done amounted to nothing more than an abandoned experiment."

9. SAME—REDUCTION TO PRACTICE—SUFFICIENCY OF TESTS.

"The invention here, as is apparent from all three applications, is directed to the breaking up and dispersion of carbon formation on the ring. Of course, to successfully accomplish this purpose, one would obviously want to use a ring which would not leak oil. If the inventor satisfactorily ascertains that it will not leak oil, this alone does not suffice for a showing that it will take care of the carbon problem. The utility of Bowers' ring, Exhibit 10-A, was not sufficiently shown to amount to a reduction to practice of the invention with which all three of the parties here were concerned."

10. SAME—PRIORITY.

"The Board correctly held that neither Bowers nor Valley met the burden of proving priority over the party Ernst by a preponderance of evidence. Its decision awarding priority to Ernst of the invention of the two counts involved is accordingly affirmed."

APPEALS from the Patent Office. Affirmed.

Mr. H. L. Kirkpatrick, Mr. C. E. Hammett, Jr., and Mr. M. H. Hamilton (Mr. Charles F. Meroni of counsel) for Bowers

Mr. Leonard L. Kalish (Mr. Arthur N. Klein of counsel) for Valley.

Mr. John Flam for Ernst.

BLAND, J.:

The two junior parties, Bowers and Valley, have here appealed from the decision of the Board of Interference Examiners of the United States Patent Office in a three-party patent interference proceeding, awarding to the senior party, Ernst, priority of invention of the two counts involved.

The interference is between three applications. That of Bowers, Serial No. 365,600, was filed November 14, 1940; that of Valley, Serial No. 290,355, August 16, 1939; and that of Ernst, Serial No. 237,502, October 28, 1938.

The two counts are:

1. A two-piece oil-control ring comprising an annular ring member having a generally continuous uniform channel along its outer periphery, oil-draining passage-ways leading from said channel to the inner periphery of said ring member, and a second annular ring member of an axial width substantially less than the axial width of said channel floating loosely inside said channel and adapted to reciprocate axially to and fro therein, with the side walls of said channel limiting the relative axial movements of said floating ring member.

2. An oil ring having an annular recess formed by spaced flanges, as well as apertures extending through the ring and between the flanges, and a scavenger ring located between the flanges and having a thickness substantially less than the space between the flange, and having freedom of axial motion limited by said flanges.

Count 1 originated in the Valley application and count 2 in that of Ernst.

The invention relates to an improvement in a two-piece oil-control ring, such as is used on the pistons of internal combustion engines, e. g., those of automobiles. The counts are broad and do not indicate that the ring is to be used in internal combustion engines, but it is clear from the specifications of the three applicants that the parties were interested in overcoming a difficulty encountered in the formation of carbon on piston rings in internal combustion engines. Each of the parties emphasizes

the fact that an oil-control ring, such as is disclosed in each of the applications, is so constructed that it consists of two parts, the main oil ring having an annular recess into which a so-called "scavenger ring" is placed between the flanges of the recess. The scavenger ring is of less thickness than the width of the channel, whereby it is permitted to move freely up and down within the channel. This motion is said to break up the carbon deposit and cause it to move away from the ring, thereby avoiding the undesirable effects of carbon formation on the ring.

Since Bowers and Valley were both junior to Ernst, the burden was upon them to prove priority by a preponderance of the evidence. They took testimony, and Ernst stood on his record date of October 28, 1938.

The Board awarded Bowers, and we think properly so, a date of conception as of April 1937, and Valley a date at least as early as the fall of 1931. It held, however, that Bowers had not proved a reduction to practice prior to his filing date for the reason that there had been no satisfactory test of the ring and that there was a lack of diligence on his part to make his earlier conception of value in proving priority.

As to Valley, the Board held that subsequently to his conception in the fall of 1931 he did nothing, and for approximately six years until March 1937, showed little, if any, activity in connection with the ring. There is some evidence of his having had a ring made in 1937 by one Faulkner, but the record is silent as to any test having been made of the same. He did nothing further until November 1938. This, of course, was after Ernst's filing date. He then made an effort to secure rings constructed in accordance with his early conception and finally did purchase from Wilkening Manufacturing Company a set of rings for 50 cents apiece, with a view toward testing them in a Dodge truck. These were presumably made in March 1939, and they were installed in the truck. The Board found, on the instant record, that no tests proving the utility of the invention were ever made by Valley until after Ernst's filing date, and that no diligence was shown during the critical period.

[1][2] Valley contended before the Board and contends here that the ring is of such a character as not to require a test; that the mere construction of the ring amounted to a reduction to practice. He also offers as an excuse for lack of diligence a claim that he had no funds for use in bringing about a test. That he has failed to show such lack of financial ability to develop the invention as would excuse lack of diligence would seem to be too clear for extended discussion. While the evidence shows that he was a poor man, it does not appear that at any time he was so lacking in funds as to have prevented a proper test at the proper time. There is testimony to the effect that in 1937 and 1938 he had an income of forty dollars a week and that his expenses, which he paid out of that income, came to approximately the same amount. The rec-

ord shows, however, that he did buy a Chrysler car in 1937; and, furthermore, no lack of funds prevented him from further activity except at a date too late to be of advantage here.

[3] We think the Board properly disposed of Valley's case by holding that there was no proper diligence toward reducing his invention to practice and no acceptable excuse for such lack of diligence. Moreover, it seems too obvious to require extended discussion that a piston ring is not a device of such simple character and readily apparent efficacy as to fall within the holding of such cases as *Mason v. Hepburn*, 13 App. D. C. 86, 84 O. G. 147, and *Schartov v. Schleicher*, 35 App. D. C. 347, 156 O. G. 800, to the effect that no actual test is required to show utility and thus amount to a reduction to practice. Many well considered cases which hold to the contrary of Valley's contention in this respect might be cited, but it is sufficient to cite here, *Payne v. Hurley*, 21 C. C. P. A. (Patents) 1144, 71 F.(2d) 208, 21 USPQ 624, 448 O. G. 3, wherein the court held that a spark plug was an article of such character that "it was necessary not only to test it but also to use it under actual working conditions, and that a shop test, though elaborate and the one used by the trade, was not sufficient. Therefore, we hold that Valley has failed to prove his priority over Ernst by a preponderance of the evidence.

We next approach the more serious and important issue involved in this proceeding. Bowers, having conceived the invention in April 1937, is entitled to priority over Ernst if his activities, as testified to by himself and his other witnesses, amounted to a reduction to practice of the invention of the counts.

Bowers, unlike Valley, does not contend that a piston ring is of that character of article which requires no testing to constitute a reduction to practice; but he urges that he has proved that by sufficient tests in 1937 he had demonstrated the practical utility of the device and therefore had completely reduced it to practice three years before his filing date. There is no contention here by Bowers that, if he did not reduce to practice by the construction of one or more rings and the testing thereof, he has shown such diligence up to his filing date as to make his early conception of any value in this proceeding. In other words, as we see it, and it is not seriously contended otherwise, if what Bowers and those working for and with him did amounted to a reduction to practice, he is entitled to priority in this proceeding. On the other hand, if his tests were insufficient in law to amount to a reduction to practice, the finding of the Board in favor of Ernst must be affirmed.

The Board has discussed the evidence relating to this phase of the case in considerable detail; and we think it would not be helpful to repeat here the numerous incidents which, Bowers claims, show that he had, by proper testing, reduced the invention to practice. The Board, as before stated, awarded Bowers a conception date as of April 1937

based upon the construction of a ring assembly, Exhibit 10-A, which we think clearly meets the terms of the counts.

The record shows that Bowers was the president of the Power Research Corporation, which was engaged in the making and testing of piston rings, and that in trying to solve the difficulty of oil leaks around piston rings, he caused to be constructed Exhibit 10-A. In that exhibit the principal ring, into which the groove was cut for the purpose of holding the scavenger ring, is a so-called Flexion ring. It is made from a thin strip of metal reversely folded on itself in accordion fashion. It is thus stretchable and flexes and will press against the side walls of the cylinder, scraping the oil off the cylinder and permitting it to run back into the crankcase, thereby keeping the oil from passing beyond the rings to the top of the cylinder. The record indicates that the so-called scavenger ring was inserted with a view toward controlling the oil. It is not suggested by any of the exhibits or records of the tests made that Bowers was striving to construct a device in such a way that the motion of the scavenger ring would break up and cause to be removed the carbon formed thereon, but they indicate that he was concerned with solving the problem of leaky rings.

There is no claim that Bowers ever tested the ring in an internal combustion engine. However, it is shown that certain tests were made in 1937 with Exhibit 10-A on the piston of a pump (high-pressure air compressor); that one test was run for 17 hours; and that other tests were made to ascertain the efficiency of the ring. The pump upon which it was tested was one of several used by Bowers' company in testing various kinds of rings, and the testimony shows that the action of the ring in the pump cylinder is very similar to that in an internal combustion engine. Of course, no explosion took place in the pump cylinder, but heat developed and, to some extent, carbon conditions similar to those in an internal combustion engine might have developed.

The testimony of Bowers and his witnesses, however, is very fragmentary and unsatisfactory in showing exactly what were the results obtained. Some of the witnesses stated that the results were good. Just what the results were is not, in respects with which we are here concerned, made clear. Bowers' witness Bird said that after the tests there was a certain amount of carbon but "none at any points which would interfere with the functioning of" the ring. He further stated that they always examined the ring for carbon formation; but there is not a word of testimony in the record to indicate that at that time Bowers ascertained from the said tests that the scavenger ring, by its motion, broke up the carbon and caused it to leave the ring assembly.

Assuming, without deciding, that proper testing of a piston ring in a pump device such as Bowers used would disclose definitely that the ring satisfactorily served all the useful purposes of the in-

vention defined in the involved counts, we think that under the circumstances of this case, it must be held that such a proper test was not made. The record shows that in one of the tests where the Flexion ring was used without the embedded scavenger ring, there were five drops of oil on the head of the piston after a run of about three hours, and that when the scavenger ring was used, there were but three drops of oil after a seventeen-hour run. These facts would hardly show that the tests indicated such utility of the device as to amount to a reduction to practice of the invention involved here.

[4][5][6] The most significant piece of evidence in the Bowers' record, however, which was heavily relied upon by the Board and stressed here at great length by both Ernst and Valley, is Exhibit 6-A (a note-book record of tests, including those made with the ring, Exhibit 10-A). There the following entry was made with reference to Exhibit 10-A:

This set-up may have merit as a slapper scraper alternately sealing upper and lower flexion lips
[Italics ours.]

This would indicate that when the test was completed, the parties were not satisfied with the working of the ring, and that it *might* have merit as a slapper or scraper; but this entry must be looked upon at least as evidence of a doubtful attitude as to whether or not there was any merit in the device. Tests should be "such as to establish utility beyond probability of failure." *Taylor v. Swingle*, 30 C. C. P. A. (Patents) 1219, 136 F.(2d) 914, 58 USPQ 468, 556 O. G. 716. More particularly, the entry indicates that there was at least a doubt in the mind of the one who made the entry as to whether or not the ring would operate to accomplish satisfactorily the chief purposes which it was to serve. As was pointed out by the Board, the testimony of Bowers' corroborating witnesses is too indefinite and uncertain on the important question as to the success of the tests to be accepted here as amounting to a reduction to practice.

[7][8] After these tests had ended, nothing more was done by Bowers for about three years. In the interval between the tests and the time of filing the instant application, he had filed as many as forty patent applications and was granted at least ten patents. When he filed the instant application, he did not use as a basis for it, the structure of Exhibit 10-A. While this latter fact, standing alone, would not be of very great significance, it, when taken together with the other circumstances recited, lends support to the conclusion of the Board that the 1937 tests amounted to nothing more than an abandoned experiment.

It is true, of course, that once an inventor has completely reduced his invention to practice, he is not required in this kind of case to show subsequent diligence in getting into the Patent Office. His subsequent conduct may be important in determining the applicability of the rule of *Mason v. Hepburn*, supra, but that rule has no application here. This and other courts have many times said, however, that when there is a doubt as to whether there has

been an actual reduction to practice, the subsequent conduct of the inventor may disclose that, instead of a reduction to practice, the acts relied upon show that what was done amounted to nothing more than an abandoned experiment. *Bennett v. Fitzgerald*, 18 C. C. P. A. (Patents) 1201, 48 F.(2d) 917, 9 USPQ 211, 410 O. G. 1063; *Stewart v. Robinson*, 19 C. C. P. A. (Patents) 953, 55 F.(2d) 998, 12 USPQ 218, 419 O. G. 291; *Collins v. Olsen*, 26 C. C. P. A. (Patents) 1017, 102 F.(2d) 828, 41 USPQ 220, 503 O. G. 3.

[9] It seems clear to us that Bowers has not proved a reduction to practice prior to his filing date. By so holding, we do not wish to be understood as implying that to constitute a reduction to practice of an oil-control piston ring it must be tested in an internal combustion engine. It may be that shop tests of such a ring to be used in an internal combustion engine may be sufficient to meet the requirements of law if they demonstrate the practical utility of the device for the purposes intended. What we do hold here is that Bowers' tests, under all the circumstances stated, must be regarded as insufficient. Clearly, Bowers' tests are not satisfactory with respect to the carbon removing capabilities of Exhibit 10-A, irrespective of what might be concluded as to what the tests disclosed with reference to other features of the ring. Bowers, in his application, states:

A principal object of the invention is to improve oil control piston rings and to prevent deposit of carbon on such rings, with a view to maintaining oil passages of the ring open and thereby effecting savings in oil consumption and increasing the life and efficiency of combustion motors. [Italics ours.]

The results as were testified to by one or more of the witnesses might be good so far as scraping the oil from the side walls of the cylinder is concerned, but that does not meet the requirements here. Other defects might have existed. The invention here, as is apparent from all three applications, is directed to the breaking up and dispersion of carbon formation on the ring. Of course, to successfully accomplish this purpose, one would obviously want to use a ring which would not leak oil. If the inventor satisfactorily ascertains that it will not leak oil, this alone does not suffice for a showing that it will take care of the carbon problem. The utility of Bowers' ring, Exhibit 10-A, was not sufficiently shown to amount to a reduction to practice of the invention with which all three of the parties here were concerned.

In support of his contention that shop tests are sufficient, Bowers has cited a number of authorities, among them, *Goodale v. Lund*, 25 C. C. P. A. (Patents) 1148, 96 F.(2d) 840, 37 USPQ 696, 496 O. G. 566. In that case it was held that certain shop tests of air valves were sufficient. Attention was called to the fact that the tests to which the valves were subjected were those generally resorted to by the inventor's company in its efforts to ascertain the commercial value and practical utility of valves for steam heating systems. Bowers, in relying upon that holding, stresses the fact that

Exhibit 10-A was tested by his company in the manner in which it tested all its piston rings in order to determine their utility. But regardless of whether under certain circumstances an oil-control ring might be sufficiently tested on an air compressor in a shop to meet the requirements of law, the record in the instant case, as we have pointed out, does not show that the tests made by Bowers demonstrated the utility of Exhibit 10-A sufficiently to meet those requirements.

[10] It follows from the foregoing, therefore, that the Board correctly held that neither Bowers nor Valley met the burden of proving priority over the party Ernst by a preponderance of evidence. Its decision awarding priority to Ernst of the invention of the two counts involved is accordingly affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE CHECHOT

No. 5,008. Decided April 9, 1945

[148 F.(2d) 1018; 65 USPQ 421]

PATENTABILITY—HYDROCARBON OILS.

The claims of appellant's application for patent for a method of treatment of hydrocarbon oils held unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Norbert E. Birch for Chechot.

Mr. W. W. Cochran for the Commissioner of Patents.

GARRETT, P. J.:

The Board of Appeals of the United States Patent Office having affirmed the Examiner's rejection of all the claims, numbered 7 to 12, inclusive, of appellant's application for patent for a method of treatment of hydrocarbon oils, appellant appeals to this court seeking review and reversal of the Board's decision.

In his brief appellant states:

The invention relates to the recovery of oil-soluble sulfonates from acid treated hydrocarbon oil, and resides more particularly in a process of removing oil-soluble sulfonates from an aqueous solution of water-soluble sulfonates initially employed in extracting the acid treated oil.

In the acid refining of hydrocarbon oils, especially lubricating oils or medicinal white oils, the oil stock is contacted with sulfuric acid, whereby there is formed an oil-insoluble acid sludge which is separated from the treated oil by decantation or other means. The oil, as a result of the acid treatment, retains in solution a quantity of oil-soluble sulfonic acids which may be removed by various methods.

One method for accomplishing such removal comprises neutralizing the oil with a basic solution, such as sodium hydroxide, and thereafter washing the neutralized oil with an aqueous solution of water-soluble petroleum sulfonates to extract from the oil its content of oil-soluble sulfonates. Having obtained by this process an aqueous solution of water-soluble sulfonates containing the extracted oil-soluble sulfonates, it becomes necessary to provide a method by which the oil-soluble sulfonates may be separated from the aqueous solution of water-soluble sulfonates.

In accordance with applicant's invention, this is accomplished by adding to the mixture a lower aliphatic alcohol such as methyl alcohol in a quantity sufficient to precipitate from the aqueous solution, a concentrate of oil-soluble sulfonates. The resulting concentrate is then separated from the aqueous solution of water-soluble sulfonates by decantation, and the alcohol thereafter is recovered from the solution by distillation.

Claim 7 reads as follows:

7. The process of removing oil-soluble sulfonates from an aqueous solution of water-soluble sulfonates, which com-

prises admixing said solution with a low boiling aliphatic alcohol to precipitate therefrom a concentrate of oil-soluble sulfonates, and separating said concentrate of oil-soluble sulfonates from the solution containing the water-soluble sulfonates.

Claim 9 specifies that the water-soluble sulfonate is a petroleum gas oil sulfonate. Claim 11 specifies that the alcohol is methyl alcohol. Claims 8, 10, and 12 specify the removal of the alcohol by distillation. Aside from these limitations, claims 8, 9, 10, and 12 do not differ in meaning from claim 7.

Three patents were cited as references, viz: Bransky, 1,396,399, November 8, 1921; Beard et al., 1,997,566, April 16, 1935; Bird, 2,028,185, January 21, 1936.

There seems to be a disagreement between appellant and the Board with respect to certain facts, particularly with regard to the Bird patent, and it is not altogether clear just how much weight the Board gave to the other references.

It does not appear to be questioned that both the Bransky and the Beard et al. patents disclose, as is stated in substance in the brief of the Solicitor for the Patent Office, the treatment of hydrocarbon oil with sulfuric acid to precipitate the water-soluble sulfonates and then apply a solution of such sulfonates to the oil to extract the oil-soluble sulfonic compounds. It appears to be agreed also that Beard et al. further disclose a treatment of the resulting mixture of water-soluble and oil-soluble compounds to separate these constituents so that the water-soluble elements may be again used to extract more oil-soluble compounds. The Board defined the showing of Bransky and Beard et al. as "a disclosure of broad conception," and continued:

... It is our opinion that Bird satisfies the terms of the claims in that beginning line 51, second column, page 1, and extending through the first column of page 2, he proposes to treat the aqueous suspension of apparently water-soluble and oil-soluble sulfonates with methyl, ethyl or isopropyl alcohol. Upon standing the mass appears to separate into three layers. The bottom layer is believed to contain the oil-soluble sulfonates described as an aqueous water-white bottom layer, lines 7 to 12. A middle layer said to be viscous tar appears to form on top of the bottom layer. This layer is regarded as immaterial to the question before us, but the third or uppermost layer seems to consist of alcohol and according to applicant's theory it would contain water-soluble sulfonates to the exclusion of oil-soluble sulfonates apparently contained in the bottom layer. The alcoholic mixture is then treated by distilling off the alcohol as in applicant's case, line 16.

The text of the specification referred to by the Board as beginning in line 51 of the Bird patent reads in part as follows:

The top layer in the sludge dilution step is called "washed acid sludge". It is neutralized with sodium carbonate or hydroxide or other alkali or ammonia. An oxygenated organic solvent such as methyl, ethyl or isopropyl alcohol is added to the neutralized sludge until the mixture contains above about 30 to 60% alcohol. During this operation the temperature is preferably kept at substantially room temperature although higher or lower temperatures may be used.

Upon standing a separation occurs and after 3 to 10 hours an aqueous water-white bottom layer is formed. This consists mainly of a super-saturated solution of inorganic salts which sets to a crystalline mass on longer standing or on cooling. A layer of viscous tar forms above this bottom layer. The uppermost layer consists of a solution of purified alkali sulfonates in alcohol. This layer is separately withdrawn. The alcohol may be recovered therefrom by distillation and the solution remaining contains alkali sulfonates of markedly improved properties with respect to color, solubility and wetting power when compared to the sulfonates prepared directly by neutralizing acid sludge.

Appellant takes the position that the Board was confused in its interpretation of the above quoted

disclosure, and, therefore, erred in applying it to the claims on appeal. Briefly it is contended that the Bird patent is concerned solely with the recovery of water-soluble sulfonates from acid sludge in which no oil-soluble sulfonates are present; that "At no place does that patent disclose the separation of oil-soluble sulfonates from water-soluble sulfonates"; that appellant recovers the water-soluble sulfonates disclosed in Bird and then proceeds to utilize them for the extraction of oil-soluble sulfonates from a particular oil after which he separates the extracted oil-soluble sulfonates from the water-soluble sulfonates, thus disclosing a process embracing "two principal steps beyond the furthest step disclosed by Bird."

We think it must be conceded that the Board's discussion of the Bird disclosure above quoted is not altogether clear, at least it is not so to us, but we do not feel assured that the Board erred in stating any of the essential facts.

The brief of the Solicitor for the Patent Office expresses the belief that appellant is in error in asserting, in substance, that Bird does not teach the use of alcohol on a mixture of oil-soluble and water-soluble sulfonates "to precipitate out the former," and in this connection points out that Bransky describes the same kind of sludge which Bird treats as containing both water-soluble and oil-soluble sulfonic compounds.

The Examiner's analysis of the claims in his statement following the appeal to the Board has been very carefully studied, in the light of appellant's comments thereon. It seems to us to be quite clear and we take the liberty of quoting the following from it:

If claim 7, for example, is analyzed in connection with the references, the anticipation will be obvious. The claim is divided into the quoted sections as follows:

Claim 7. "The process of removing oil-soluble sulfonates from an aqueous solution of water-soluble sulfonates"

Bird is concerned with a directly analogous process, i. e., the removal of oily impurities from an aqueous solution of water-soluble sulfonates. Further Bransky and Beard et al. disclose the exact type of mixed solution recited in the claim and no invention would be involved in applying the purification technique of Bird to such solution to remove the oil-soluble sulfonates.

"which comprises admixing said solution with a low-boiling aliphatic alcohol to precipitate therefrom a concentrate of oil-soluble sulfonates"

Bird follows this exact procedure in that he adds a low-boiling aliphatic alcohol to the solution of water-soluble sulfonates to precipitate oily impurities. See Bird, page 2, col. 2, line 71 to page 3, col. 1, line 9.

"and separating said concentrate of oil-soluble sulfonates from the solution containing the water-soluble sulfonates"

Bird discloses separation of the precipitated matter and the remaining solution of water-soluble sulfonates. See Bird, page 2, col. 2, line 74 to page 3, col. 1, line 9; also page 2, col. 1, lines 7 to 15.

Thus it is evident that the claim is unpatentable over the references.

In the same manner, all the other claims are considered equally unpatentable. These claims contain limitations all of which are met by the references. Thus:

Claim 8 specifies the additional step of distilling alcohol from the purified solution of water-soluble sulfonates. This is shown by Bird, page 2, col. 1, lines 15 to 21. This same limitation is found in claims 10 to 12.

Claims 11 and 12 specify the use of methyl alcohol. Bird discloses methyl alcohol on page 3, col. 1, line 22. [Italics quoted.]

As indicated above, the Board placed greatest emphasis upon the Bird patent, but it stated in next to the last paragraph of its decision " * * * While it is conceded Bird does not set forth the

principle and process in such simple and direct terms as expressed by applicant, we believe his procedure accomplishes such result, and in accordance with the terms of the claims," and the decision of the Examiner was affirmed generally, thus impliedly endorsing the latter's application of the Bransky and Beard et al. references.

In view of the state of the prior art, we are not convinced that appellant is entitled to an award of invention for his process as defined in the claims.

The decision of the Board is affirmed.

Affirmed.

Trade-Mark Registrations Canceled

144,958. Certain named wearing apparel. United States Rubber Company, New Brunswick, N. J. Registered July 19, 1921. Canceled Aug. 30, 1945.

185,361. Certain named wearing apparel. Deutz & Ortenberg, Inc., New York, N. Y. Registered June 10, 1924. Canceled Sept. 25, 1945.

187,645. Dyes combined with soap. Sunbeam Chemical Company, Chicago, Ill. Registered Aug. 5, 1924. Canceled Sept. 25, 1945.

219,633. Skin lotion. Roy de Longpre, Detroit, Mich. Registered Oct. 19, 1926. Canceled Aug. 30, 1945.

240,852. Piece goods. Hugh A. Marti Company, Long Beach, Calif. Registered Apr. 10, 1928. Canceled Aug. 30, 1945.

243,872. Certain named electrical apparatus. Brown-Ing-Drake Corporation, Cambridge, Mass. Registered July 3, 1928. Canceled Aug. 30, 1945.

244,813. Certain named foods. J. T. Fargason Grocer Co., Memphis, Tenn. Registered July 31, 1928. Canceled June 21, 1945.

256,358. Hosiery. Hugh A. Marti Company, Long Beach, Calif. Registered May 14, 1929. Canceled Aug. 30, 1945.

272,943. Hair dressing. Melrose Mfg. Co., Inc., St. Louis, Mo. Registered July 15, 1930. Canceled July 30, 1945.

286,933. Canned fruit. Liberty Orchards Co., Cashmere, Wash. Registered Sept. 8, 1931. Canceled July 30, 1945.

287,487. Rust removing preparations. Edward A. Williams, Jr., Lima, Ohio. Registered Sept. 29, 1931. Canceled Aug. 30, 1945.

288,759. Candies. Health Candies, Inc., Miami, Fla. Registered Nov. 3, 1931. Canceled Sept. 25, 1945.

359,138. Certain named electrical apparatus. Communication Engineers, Inc., Seattle, Wash. Registered Aug. 9, 1938. Canceled July 30, 1945.

370,163. Certain named foods. Karasik Bros. Co., Chicago, Ill. Registered Aug. 22, 1939. Canceled June 21, 1945.

378,429. Perfumes. Goldstein & Lall, New York, N. Y. Registered June 11, 1940. Canceled Sept. 25, 1945.

389,808. Laxative preparation. Price Flavoring Extract Co., Chicago, Ill. Registered Aug. 19, 1941. Canceled July 30, 1945.

399,524. Fresh vegetables. Vertin-Edmonds Co., Salinas, Calif. Registered Jan. 12, 1943. Canceled July 30, 1945.

403,968. Vitamins. Julius Blackman Corp., New York, N. Y. Registered Oct. 26, 1943. Canceled Aug. 30, 1945.

404,768. Certain named tools. Tungsten Alloy Mfg. Co., Newark, N. J. Registered Dec. 21, 1943. Canceled July 30, 1945.

408,871. Certain named adhesives. Corn Products Refining Company, New York, N. Y. Registered Aug. 29, 1944. Canceled Sept. 25, 1945.

411,682. Certain named paint materials. Corn Products Refining Company, New York, N. Y. Registered Jan. 30, 1945. Canceled Sept. 25, 1945.

412,977. Certain named receptacles. Homer H. Bashore, Manheim, Pa. Registered Apr. 3, 1945. Canceled Aug. 30, 1945.

413,207. Cologne. Carlos E. P. Guerra, Los Angeles, Calif. Registered Apr. 10, 1945. Canceled Sept. 25, 1945.

Changes in Classification

Order No. 3,991, September 26, 1945, directs:

The following changes in the classification of inventions are hereby directed to take place immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASS

In class 235, *Registers* (Division 41):
129 Full-stroke mechanism

CHANGE SUBCLASS TITLE

In class 301, *Land Vehicles—Wheels and Axles* (Division 45) subclass 37 should read:

Wheels
37 Protectors or trim members

ESTABLISH SUBCLASS

In class 74, *Machine Elements and Mechanisms* (Division 12):

17.5 Full-stroke mechanism (to follow subclass 17)

MISCELLANEOUS CHANGES

On page 237, cancel the matter in the first column pertaining to class 206, *Special Receptacles and Packages*.

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASS

Abolished	Disposition
Class Subclass	Class Subclass
235 129	74 17.5

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASS

Established	Source
Class Subclass	Class Subclass
74 17.5	235 129

IN THE DEFINITIONS:

23, *Chemistry* (Division 59)

in subclass 292, cancel (3) Note.

30, *Cutlery* (Division 53)

in subclass 298, add:

Search Class—

224—PACKAGE AND ARTICLE CARRIERS, subclass 28, for devices for attaching a conventional cutting implement to the hand or wrist.

33, *Geometrical Instruments* (Division 62)

in subclass 121, add:

Search Class—

88—OPTICS, subclass 14, for integrating devices directly using visible radiant energy to make the measurement;

in subclass 125, add:

Search Class—

88—OPTICS, subclass 14, for measuring devices in which visible radiant energy is used in the measurement or test;

in subclass 204, add:

Search Class—

175—ELECTRICITY—GENERAL APPLICATIONS, subclass 183, for devices for determining magnetic field strength, for devices generic to the determination of direction or field strength, and for the combination of direction indication and field strength measuring.

41, *Ornamentation* (Division 38)

in subclass 9, under "Search Class", cancel the reference to class 266, *Metallurgical Apparatus*;

in subclass 10, under "(3) Search Classes", add in numerical order:

180—CLOTH, LEATHER, AND RUBBER RECEPTACLES, subclass 54, for ornamental covers and cases for annular articles such as tires.
301—LAND VEHICLES—WHEELS AND AXLES, subclass 37, for wheel protectors and trim members there provided for, even though such devices are for ornamentation only.

51, *Abrading* (Division 58)

in subclass 287, add:

Search Class—

90—GEAR CUTTING, MILLING AND PLANING, subclass 11.42, for thread or helix milling processes;

in subclass 288, under "Search Class", add:

90—GEAR CUTTING, MILLING AND PLANING, subclass 11.42, for thread or helix milling processes.

68, *Textiles, Fluid Treating Apparatus* (Divisions 2, 27)

in subclass 17, cancel the notes and add:

Search Class—

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, subclass 93, for apparatus there provided for combined with solid treating agent supplying means.

137—WATER DISTRIBUTION, appropriate subclasses, for means to valve soap to the machine.

222—DISPENSING, for means to meter quantities of soap or soap solutions and to dispense the same.

73, *Measuring and Testing* (Division 36)

in the main class definition, in (4) Note, under "Search Class" in the reference to class 201, *Resistances and Rheostats*, before "photosensitive" insert *hygroscopic resistances* or;

in subclass 161, change "directed" to *involving special adaptation*; under "Search This Class, Subclass", add in numerical order:

94—for compression tests;

in subclass 172, change "the foot" to read: *an animate body or member thereof*;

in subclass 335, under "Search Class", in the reference to class 175, *Electricity—General Applications*, change "humidity responsive member" to *atmosphere or gas*; to the complete reference to class 175, add the following sentence:

Where no electrical property of the material under test is measured, but an additional element is exposed to the material to have its electrical properties affected by a physical property of the material and an electrical property of the separate element is measured, the art is in class 73.

74, *Machine Elements and Mechanisms* (Divisions 12, 45)

establish the following subclass definition:

17.5. Devices under the class definition for compelling a reciprocating part to be actuated to its full extent before it can be returned.

78, *Metal Forging and Welding* (Division 13)

in subclass 81, cancel the note and substitute:

(1) Note.—This subclass contains processes of forging per se, and those process steps which are combined with forging steps which consist in any one or any combination of: (1) mere sizing of the blank to be forged (e. g., shearing a piece of stock to proper size for forging), (2) removing scale, flash or fins formed during forging from the forged article, (3) incidental shearing or punching of the forging as a part of the forging process and (4) a broad heating or heat treating step before, during or after the forging process. Combined processes of which forging is a part, other than those specifically mentioned above, are in other classes.

Search Class—

29—METAL WORKING, subclass 148+, for forging processes combined with additional process steps not otherwise classified (e. g., casting and forging, forging with shearing or machining to finish the article, forging and bending, forging and rolling, etc.).

148—METAL TREATMENT, subclasses 2 and 11.5, for processes involving significant heat treatment and see (1) Note to subclass 11.5, for the line between class 148 and the metal working classes.

102, *Ammunition and Explosive Devices* (Division 30)

in subclass 65.2, add:

Search Class—

124—MECHANICAL GUNS AND PROJECTORS, subclass 5, for hand operated centrifugal throwing devices per se.

116, *Signals and Indicators* (Division 34)

in subclass 114, add:

(5) Note.—For indicators involving the principles of polarized light, see class 88, *Optics*, subclass 65.

124, *Mechanical Guns and Projectors* (Division 62)

in subclass 5, cancel the notes and substitute:

Search Class—

102—AMMUNITION AND EXPLOSIVE DEVICES, subclass 37.4+, for pyrotechnic devices combined with throwing devices, and subclass 65.4, for grenades combined with a handle, handgrip or strand to assist throwing.

272—AMUSEMENT DEVICES, GAMES, subclass 28, for devices held in the hand with a ball, for causing the ball to travel in a curved path, and subclass 96+, for hand throwing devices which are also used to catch the projectile, e. g., a lacrosse stick.

132, *Toilet* (Division 53)

in subclass 73, after "abrasion", change the comma (,) to a period (.) and cancel the rest of the definition.

134, *Cleaning and Liquid Contact with Solids* (Division 27)

in subclass 93, under "Search Class", add in numerical order:

68—TEXTILES, FLUID TREATING APPARATUS, subclass 17, for such machines combined with soap supplying means;

in subclass 105, under "Search This Class, Subclass", add:

94+—for fluid injection heaters or coolers;

in subclass 115, after "drainage", change the comma (,) to a semicolon (;) and cancel "(4)".

in subclass 174, after "fluid", cancel the comma (,).

155, *Chairs and Seats* (Division 8)

in subclass 165, under "(2) Search Classes", add in numerical order:

296—LAND VEHICLES, BODIES AND TOPS, subclass 75, for foot rests attached to vehicle bodies.

211, *Supports, Racks* (Division 8)

in subclass 126, in (1) Note, change "89" to 71+.

214, *Material or Article Handling* (Division 4)

in subclass 10.5, under "(3) Search Classes", add in numerical order:

16—MISCELLANEOUS HARDWARE, subclass 1, for hardware holding and spacing devices of the type defined under (2) and (3) above having securing means for the spacer which penetrates the objects spaced.

217, *Wooden Receptacles* (Division 40)

in the main class definition, under "(2) Search Class", add in numerical order:

16—MISCELLANEOUS HARDWARE, subclass 1, for hardware devices of the type there provided for to space stacked wooden receptacles for shipping or the like.

214—MATERIAL OR ARTICLE HANDLING, subclass 10.5, for receptacle stacking and spacing devices of the type there provided for.

220, *Metallic Receptacles* (Division 40)

in subclass 85, cancel (8) Note and add:

Search Class—

65—KITCHEN AND TABLE ARTICLES, subclass 85, for racks and rests attached to dishes and cooking receptacles.

248—SUPPORTS, subclass 359, for props adapted to be attached to receptacle handles to preclude tilting of the receptacle (and see (7) Note).

324, Package and Article Carriers (Division 4)

In subclass 28, cancel the notes and add:

Search Class—

30—CUTLERY, subclasses 232, 291, 298, and 323, for cutting implements combined with hand- or finger-attaching devices.

120—STATIONERY, for blotters, erasers and other like articles of stationery, even though hand-attached.

131—TOBACCO, subclass 258, for finger rings having cigar and cigarette supports.

324, Recorders (Division 41)

In subclass 5.5, in (1) Note, change "disintegrators" to "integrators" and after "Instruments," add: subclass 121+.

253, Motors—Fluid (Division 9)

In the unnumbered subclass preceding subclass 40, before "Gas-operated," insert 39.

266, Metallurgical Apparatus (Division 28)

In subclass 23, before "Search Classes," cancel "(2)" and add in numerical order:

33—GEOMETRICAL INSTRUMENTS, subclass 18+, for the pattern tracing subcombination.

371, Sheet or Web Feeding or Delivering (Division 17)

In subclass 56, add:

Search Class—

122—CLUTCHES AND POWER-STOP CONTROL, subclass 126+, for stop-mechanisms controlled by sheet material there provided for.

287, Rod Joints or Couplings (Division 52)

In subclass 20, add:

(8) Note.—See class 228, LADDERS, subclass 58, for the joint between a stile and rung, when the ladder components are of novel design.

294, Handling—Hand and Hoist-Line Implements (Division 4)

In subclass 74, add:

(1.5) Note.—Where the sling structure is a mere strand with or without eyes or loops formed therein, see the appropriate article subclasses of the textile arts, viz., 28, TEXTILES, subclass 78+ (especially subclass 81), 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclass 139+ and 87, TEXTILES, BRAIDING, NETTING, AND LACE MAKING, subclasses 1-13, inclusive.

under (2) Search Class, add in numerical order:

28—TEXTILES, subclass 78+ (see (1.5) Note above).

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 139+ (see (1.5) Note above).

87—TEXTILES, BRAIDING, NETTING, AND LACE MAKING, subclasses 1-13, inclusive (see (1.5) Note above).

187—ELEVATORS, appropriate subclasses, for slings adapted to travel on guides in an elevator shaft and carry an elevator car, cage, platform or equivalent device.

cancel (3) Note.

296, Land Vehicles, Bodies and Tops (Division 47)

In subclass 75, add:

Search Class—

155—CHAIRS AND SEATS, subclass 165+, for foot-rests combined with chairs and seats and not involving significant vehicle body structure.

301, Land Vehicles—Wheels and Axles (Division 45)

In subclass 37, after "protect" insert *or ornament*; cancel the note and add:

Search this class, subclass—
108—for hub caps.

Search Class—

20—WOODEN BUILDINGS, subclass 74, for moldings there provided for.

29—METAL WORKING, subclass 159+, for processes of making, including assembling wheels and wheel parts.

41—ORNAMENTATION, appropriate subclasses, particularly subclass 10 for ornamental members not attached to wheels.

150—CLOTH, LEATHER, AND RUBBER RECEPTACLES, subclass 54, for tire and wheel covers.

189—METALLIC BUILDING STRUCTURES, subclass 95+, particularly subclass 88, for metal sheathing and securing devices.

200—LAND VEHICLES, subclasses 156 and 160, for wheel guards there provided for.

D14—CARRIAGES AND WAGONS, subclass 30, for design patents for wheels.

Register of Patents Available for Licensing or Sale

Pat. 1,995,243. LACING OR FASTENING BOOTS, SHOES, OR THE LIKE. Patented Mar. 19, 1935. Arrangement of hook and eye fasteners for lacing high top shoes and boots. Provides for immediate release of shoe from foot without unlacing. Several modifications are illustrated. (Owner) Charles J. Clarke, Kingsburg, Calif. Groups 35-59; 39-99. Reg. No. 454.

Pat. 2,207,074. OXYGEN GENERATING COMPOSITION. Patented July 9, 1940. Dry, stable composition comprises in preponderant amount a sodium perborate and an acid reacting aluminum sulfate. Dissolves readily in small amount of water with an immediate release of substantially all available oxygen and neutralization of substantially all liberated alkali, gives a solution having a pH value of about 6.3 and produces no harmful effect upon the mucous membrane when used as a dentifrice. (Owner) Nathan Smith, 47 Ann St., New York 7, N. Y. Groups 28-32; 39-17. Reg. No. 455.

Pat. 2,349,471. HEADGEAR. Patented May 23, 1944. Hat with provision for ventilation. By means of zippers and other fasteners, parts of crown can be opened and portions of flap folded and snapped together. A light-weight mesh is stitched in crown to cover the openings. (Owner) Frank L. Starbeck, Montevideo, Minn. Groups 22-72; 23-X2; 26-99; 39-99. Reg. No. 456.

Pat. 2,301,183. LIQUID FUEL BURNING STOVE. Patented Nov. 10, 1942. Relates to an improvement in stoves of the oil-burning type used in domestic cooking. An improved wick carrier with a circular wick can be easily adjusted by means of a vertical slidable carrying stem which raises and lowers wick into moat supplied with fuel by a flexible tubular connection to the fuel reservoir which controls the working level of the fuel. The inventor claims wick can be adjusted while the attendant is standing erect. (Owners) Charles A. Martin and Robert N. Freeman, R. F. D. #2, Tupelo, Miss. Groups 33-62-63-73; 34-95. Reg. No. 457.

Pat. 2,373,526. PUMP. Patented Apr. 10, 1945. Vertically mounted bellows of the accordion type, motor operated by means of a rod pivotally connected with a bellows at one end and a gear on frame at the other. Liquid is forced in and out of the bellows by extension and contraction of bellows; air release valve mounted on top of bellows; inlet and outlet pipes are fitted with check valves. Bellows may be constructed of a suitable material to withstand heavy pressures. (Owner) Andrew Zellos, 136 Main St., Ossining, N. Y. Groups 23-86; 30-41; 35-61. Reg. No. 458.

Pat. 2,075,020. GOGGLES, SPECTACLES, OR THE LIKE. Patented Mar. 30, 1937. Improvement in industrial goggles principally by means of construction of the nose-piece which consists of a small spool-shaped rest of lightweight material and a bridge all constructed of a single piece of pliable wire which may be adjusted by wearer without use of tools. (Owner) Oswald B. Carson, 112 Walbrooke Rd., Scarsdale, N. Y. Groups 32-39; 33-41; 35-42; 39-13-14. Reg. No. 459.

Pat. 2,337,008. PROCESS OF ROLLING STEEL IN INERT GAS ENCLOSURES. Patented Dec. 14, 1943. For rolling hot steel or other metals, preventing oxidation and keeping surrounding atmosphere cool enough to allow men with breathing apparatus to work inside enclosure. Metal to be rolled enters a gas-tight enclosure filled with inert gas, enclosure is equipped with a conveyor having solid rollers, has spray nozzles which may be so positioned on a flexible hose as to direct a spray against the rolls to externally cool them. Inventor states by continuously removing and drying gas, pickling is unnecessary. Use of solid instead of hollow rolls insures more uniform product and longer life for rolls. (Owner) Michael C. Vinther, 621 N. Byers Ave., Joplin, Mo. Groups 33-12-23-64; 35-42. Reg. No. 460.

Pat. 2,279,777. GARMENT HANGER. Patented Apr. 14, 1942. Conventional type of hanger made from single piece of wire with the two upwardly converging portions bent to form bights therein. Holds several garments and prevents slipping. Garments may be hung by waist band. (Owner) Anna L. Dean, 16145 Muirland Ave., Detroit 21, Mich. Group 33-41-49. Reg. No. 461.

Pat. 2,077,110. AUTOMOBILE SAFETY BUMPER. Patented Apr. 13, 1937. Bumper is constructed to present somewhat V formation with a plurality of vertical rollers so that when a motor vehicle collides with another vehicle or obstruction, the line of travel will be diverted and thus prevent head-on collisions. Side arms connect front and rear bumpers by extending along both sides of vehicle. Part of arms are curved to allow turning of front wheels and part extend under running boards. (Owner) Noah L. Johnson, % B. & O. Railroad C. U. T., Cincinnati, Ohio. Groups 33-28-64; 38-31. Reg. No. 462.

Pat. 2,183,403. HYDRAULIC CLUTCH AND TRANSMISSION. Patented Dec. 12, 1939. Mechanism relates primarily to a turbine type hydraulic drive having one or more impellers in the hydraulic circuit directly connected to and controlling gearing for providing infinitely variable speeds. It also covers hydraulic pressure means for automatically shifting other related gearing. Owner states mechanism is reasonable as regards manufacturing cost and is easily assembled to structure to which it may be adapted. (Owner) Courtney N. Mitchell, 3800 Harvard Ave., Cleveland, Ohio. Groups 35-66; 38-31. Reg. No. 463.

Pat. 1,832,744. RESILIENT HEEL. Patented Nov. 17, 1931. Heel section of shoe is recessed to conform to shape of lift and this recess is provided with two oppositely disposed eyelets. Lift corresponding to shape of recess carries two hooks. Lift is flexed so that hooks will pass into engagement with eyelets and fit into recess. Separable fasteners of head and socket type are carried by the two sections to prevent accidental flexing and detachment of lift after it has been placed on shoe. Lift can be reversed to present new wearing surface, is easily removed. (Owner) Morris Siegel, 1862 E. 14th St., Brooklyn 29, N. Y. Groups 30-22; 31-31-41; 35-59. Reg. No. 464.

Pat. 2,325,872. SAFETY SLING. Patented Aug. 3, 1943. Sling for loading piles of lumber or the like. Sling comprises two sections. Bottom section carries hook at each end. Conventional sling with usual one hook is used as top section but will function in different manner than usual. When these two sections are placed around pile of lumber, conventional section is looped to hooks of bottom section in such a way as to cause part of top section to flatly

grip and tighten about the top of pile during lifting operations. Conventional section is entirely removable from bottom section and will function by itself in usual manner. The bottom section may therefore be considered as an attachment. (Owner) E. S. Nelson, 1840 Turk St., San Francisco 15, Calif. Groups 22-98; 33-41-49; 35-31. Reg. No. 465.

Pat. 2,214,300. COMBINATION CANE AND UMBRELLA. Patented Sept. 10, 1940. Cane of tapered, hollow, split, cylindrical construction; permits encasing umbrella; may also serve as a tripod; handle is hollow to provide storage space for small articles, such as drinking cup, cigarette lighter, etc. Has fishing rod mounted within bore. (Owner) George C. Henderson, 524 W. Palm, Compton, Calif. Groups 25-99; 35-53; 39-49-95. Reg. No. 466.

Pat. 2,302,950. ROCKER. Patented Nov. 24, 1942. Chair has stationary base in which arcuate tracks are formed to cooperate with arcuate rocking edges of upper portion of chair. Guide rollers are mounted in vertical front and rear edges of tracks. A rod with ends attached to upper portion of chair extends downwardly over rollers and then inwardly being centrally pivoted to base. When chair is rocked rod moves up and down over rollers. Chair section will always tend to rock toward the center and will not become overbalanced or accidentally displaced from its base. Operating principle of chair may also be readily adapted for baby carriages, cradles, and lawn and porch swings. (Owner) Charles S. Parsons, P. O. Box 418, Burlington, Iowa. Groups 26-99; 39-41. Reg. No. 467.

Pat. 2,188,421. PILLOW. Patented Jan. 30, 1940. Reg. No. 468.

Pat. 2,291,266. CUSHION AND PILLOW STRUCTURE. Patented July 28, 1942. Reg. No. 469.

The two patents listed above relate to structure for holding pillows or cushions in rigid, supportable condition by means of a rectangular frame of steel rod. Patents show modifications to particularly adapt frame to pillows of various types. Is inserted or removed easily and does not materially add to bulk or particularly increase weight of pillow. Suitable to invalids. (Owner) Kenneth L. Wade, 37 Bank St., New York 14, N. Y. Groups 23-93; 25-32.

Pat. 2,269,304. PENCIL TIP AND SHARPENER. Patented Jan. 6, 1942. Conical shaped tip with hole in apex has spirally disposed cutting edge. It is adapted to remain permanently upon a pencil in position for sharpening pencil when desired by simply rotating it against end of pencil. Tip is preferably made of a single piece of sheet metal and can be manufactured in economical manner. (Owner) Frank J. Bambach, 235 Fairfield Ave., Hartford, Conn. Groups 33-73; 34-99; 39-51. Reg. No. 470.

Pat. 2,335,432. CIGARETTE EXTINGUISHER. Patented Nov. 30, 1943. Adapted to remain on cigarette while smoking. Device is formed in one piece from fireproof material which comprises a short band carrying a hinged lid and tab which lie flat on band. Lighted cigarette may be extinguished by simply lifting tab, moving one end of band beyond end of cigarette, and then drawing tab across end of band thereby closing lid. Lid is kept closed by inserting tab in slot in band. Can be adapted for use on cigars or cigarettes of varying sizes and shapes. (Owner) Anthony J. Millett, 3754 Menlo Rd., Shaker Heights, Ohio. Groups 21-11; 28-83; 34-99; 39-81. Reg. No. 471.

Pat. 2,333,849. LADDER CONSTRUCTION. Patented Nov. 9, 1943. Device functions as ladder and tail gate for truck bodies, freight cars or the like. Comprises two channel shaped uprights with plurality of face plates attached thereto. These plates carry hinged extensions and have one end bent outwardly to provide a groove when attached to uprights. When in tail gate position cross pieces lie flat against uprights. By simply opening and lowering from tail gate position parts will pivot and fall into position by gravity thereby providing a rigid strong ladder. Hooks on uprights hold ladder securely to car body. (Owner) Sayrs E. Driscoll, 212 N. Hamilton St., Ypsilanti, Mich. Groups 33—73; 37—12; 38—22. Reg. No. 472.

Pat. 2,366,488. CRIBBAGE BOARD. Patented Jan. 2, 1945. Board comprises a box and drawer within. Top of box has usual slots therein. Drawer is divided into compartments for cards and pegs. Side wall extensions formed in drawer partly cover stored decks of cards and hold them in place. Spring latch holds drawer closed. Provides a simple, compact and durable board which is attractive and inexpensive to manufacture. (Owner) Robert S. Calkins, 2026 E. Sherman, Tacoma, Wash. Groups 25—99; 34—99; 39—41. Reg. No. 473.

Pat. 2,168,812. HAND TOOL. Patented Aug. 8, 1939. Reg. No. 474.

Pat. 2,229,263. HAND TOOL. Patented Jan. 21, 1941. Reg. No. 475.

Pat. 2,274,945. PLIERS. Patented Mar. 3, 1942. Reg. No. 476.

Three patents covering hand tools such as pliers, shears, cutters, and "priers". The levers and fulcrums are so arranged that maximum mechanical advantage is afforded, thereby increasing the capacity of a given size tool. (Owner) Mrs. Marie S. Van Keuren, Bloomville, Ohio. Group 33—52.

Pat. 2,244,209. PORTABLE POWER CANE AND JUICE MILL. Patented June 3, 1941. Machine in trailer form adapted to be connected to a tractor or other draft means. Equipped to extract juice from raw sugar cane on field where cane is grown. Cane is thrown on conveyor table, is fed into and crushed between rollers, provision being made so that crushed stalks fall to one side; juice falls into screened receiving trough. Accumulated juice is pumped to large storage tank equipped with valve for emptying. Manhole in top of tank for ease in cleaning. Due to height of tank stubble for the next year's growth is not harmed. Frame of device supported by single pair of wheels readily turned at each cane row. (Owner) Lenis J. Moss, Henry, La. Groups 20—61—62; 35—22—51. Reg. No. 477.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 23, 1945

[Vol. 579. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 479,666. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Feb. 10, 1945.

TEFLON

FOR SYNTHETIC RESINOUS FLUORINE-CONTAINING POLYMERS IN THE FORM OF MOLDING AND EXTRUDING COMPOSITIONS, FABRICATED SHAPES (NAMELY, SHEETS, RODS, TUBES, TAPE AND FILAMENTS), SOLUTIONS, AND EMULSIONS.

Claims use since Oct. 9, 1944.

Ser. No. 481,699. THE EAST WEYMOUTH WOOL SCOURING Co., East Weymouth, Mass. Filed Apr. 4, 1945.



No claim is made to the exclusive use of the words "Service", "Dependability" and "Quality", per se.
FOR RAW WOOL.
Claims use since 1934.

Ser. No. 482,857. SYNVAR CORPORATION, Wilmington, Del. Filed May 1, 1945.

SYNVARITE

FOR SOLID UREA-FORMALDEHYDE AND PHENOL FORMALDEHYDE RESINS MANUFACTURED AND SOLD IN THE FORM OF POWDER, GRANULES, AND LUMPS.

Claims use since October 1942.

CLASS 2

RECEPTACLES

Ser. No. 481,202. ACE CARTON CORPORATION, Chicago, Ill. Filed Mar. 23, 1945.



Disclaimer is made to the words "Carton Corp.", "Chicago" and "Creators" apart from the mark shown in the drawing.

FOR PAPER CARTONS.

Claims use since Jan. 1, 1929.

Ser. No. 481,203. ACE CARTON CORPORATION, Chicago, Ill. Filed Mar. 23, 1945.

ACE

FOR PAPER CARTONS.

Claims use since Jan. 1, 1929.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 483,815. ERNA EISEMANN, doing business as Pygmalion, Chicago, Ill. Filed May 26, 1945.

Pygmalion

FOR KEYCASES, PURSES, BILLFOLDS, AND WALLET WITH BUILT-IN PICTURE FRAMES.
Claims use since August 1942.

Ser. No. 486,692. NATHAN PRODUCTS CORPORATION, New York N. Y. Filed Aug. 3, 1945.

SPORTLUG

FOR HANDBAGS AND SUITCASES.
Claims use since March 1937.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 471,736. THE EXOLON COMPANY, Tonawanda, N. Y. Filed June 28 1944.

GEMSET

FOR ABRASIVE WHEELS AND HONES CHARGED WITH DIAMOND PARTICLES.
Claims use since Dec. 1 1943.

Ser. No. 478,863. MAX N. FELKER, doing business as Felker Manufacturing Co. Torrance, Calif. Filed Jan. 22, 1945.

RIMLOCK

FOR GRINDING WHEELS WITH DIAMOND DUST AND/OR DIAMOND IMPREGNATED MATERIAL INSERTED THEREIN; AND THIN GRINDING WHEELS AND BLADES (KNOWN AS SAWS) WITH DIAMOND DUST AND/OR DIAMOND-IMPREGNATED MATERIAL INSERTED THEREIN.
Claims use since Sept. 12, 1942.

Ser. No. 483,065. KNOMARK MANUFACTURING Co., Brooklyn, N. Y. Filed May 7, 1945.

LANOL

FOR DRESSING, CLEANER AND POLISH FOR SHOES, BOOTS, LEATHER GOODS AND LEATHER TRIMMINGS OR OTHER ARTICLES, SUCH AS BELTS, BAGS, AND THE LIKE.
Claims use since May 4, 1945.

Ser. No. 483,066. KNOMARK MANUFACTURING Co., Brooklyn, N. Y. Filed May 7, 1945.

LANOLIZE

FOR DRESSING, CLEANER AND POLISH FOR SHOES, BOOTS, LEATHER GOODS AND LEATHER TRIMMINGS OR OTHER ARTICLES, SUCH AS BELTS, BAGS, AND THE LIKE.
Claims use since May 4, 1945.

Ser. No. 483,386. THE ROSE DEW PRODUCTS COMPANY, Los Angeles, Calif. Filed May 15, 1945.

INKO

FOR HAND CLEANSER PREPARATION TO REMOVE INKS, OILS, AND GREASES.
Claims use since Mar. 16, 1945.

Ser. No. 483,858. GEORGE N. HOLT, doing business as Speed Manufacturing Co., Huntington Park, Calif. Filed May 28, 1945.

SPEED

FOR CHEMICALLY IMPREGNATED CLOTH FOR CLEANING AND POLISHING.
Claims use since July 1, 1943.

Ser. No. 484,206. LEGRAND CHEMICAL Co., Brooklyn, N. Y. Filed June 6, 1945.

VICTORY POWDER

No claim is made to the word "Powder" apart from the mark.
FOR SOAP COMPOUND FOR WASHING.
Claims use since Jan. 1, 1942.

Ser. No. 485,234. THE ORTHMANN LABORATORIES, INC., Milwaukee, Wis. Filed June 29, 1945.

PANDA

FOR SHOE AND LEATHER FINISH OR DRESSING IN VARIOUS COLORS AND LEATHER WATER-PROOFING COMPOUNDS.
Claims use since May 1, 1945.

Ser. No. 485,237. PRIMROSE HOUSE, INC., New York, N. Y. Filed June 29, 1945.

**Crimson
Rose**

FOR SOAP.
Claims use since June 5, 1945.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 459,313. PUREX CORPORATION, LTD., South Gate, Calif. Filed Mar. 24, 1943.

Guardex

FOR PHARMACEUTICAL PREPARATION OF VITAMINS AND MINERALS IN TABLET FORM.
Claims use since Feb. 18, 1943.

Ser. No. 471,875. THE MADAMOISELLE COMPANY, Philadelphia, Pa. Filed July 1, 1944.

Madamoiseelle

The words "Cake Make-Up Remover Pads" are disclaimed apart from the mark as shown.
FOR FLANNEL PADS COATED WITH A CREAM LIQUID FOR REMOVING STALE FACIAL MAKE-UP.
Claims use since June 10, 1944.

Ser. No. 471,888. CARL J. WEDEL, doing business as Odara Products Co., St. Louis, Mo. Filed July 1, 1944.

ODARA

FOR GUM MASSAGE, GARGLE, ASTRINGENT, AND MOUTH WASH.
Claims use since May 1, 1945.

Ser. No. 472,324. JAY C. HALL, doing business under the fictitious name and style of Associated Products Company, Huntington Park, Calif. Filed July 17, 1944.

SCALSEPT

FOR SCALP PREPARATION.
Claims use since June 28, 1944.

Ser. No. 478,429. LEHN & FINE PRODUCTS CORPORATION, Bloomfield, N. J. Filed Jan. 9, 1945.

RED LETTER

Applicant disclaims the exclusive right to the use of the word "Red" apart from the mark as shown.
FOR PERFUME, LIPSTICK, NAIL POLISH, FACE POWDER AND ROUGE.
Claims use since Dec. 18, 1942.

Ser. No. 479,694. QUALITY PRODUCTS CO., INC., New York, N. Y. Filed Feb. 10, 1945.

"13-2-19"

FOR COSMETIC TRAVEL AND BEAUTY KITS MADE OF LEATHER, LEATHERETTE AND THE LIKE AND EQUIPPED OR FITTED WITH COSMETIC ARTICLES—NAMELY, LIPSTICK, FACE POWDER, NIGHT CREAM, CLEANSING CREAM, CLEANSING LOTION AND FACIAL BALM.

Claims use since Jan. 18, 1945.

Ser. No. 480,350. RAYMOND LABORATORIES, INC., St. Paul, Minn. Filed Feb. 28, 1945.

Shalee

FOR BEAUTY SUPPLIES, SPECIFICALLY SHAM-POO, HAIR LOTIONS AND CHEMICAL HEATING PADS FOR HAIR WAVING PURPOSES.

Claims use since Jan. 24, 1945.

Ser. No. 481,149. LEVER BROTHERS COMPANY, Cambridge, Mass. Filed Mar. 21, 1945.

P

The mark consists of the capital letter P in script upon a rectangular background as shown.
FOR DENTIFRICES.
Claims use since Feb. 9, 1945.

Ser. No. 481,643. LEE WILLIAM MILLER, Glendale, Calif. Filed Apr. 2, 1945.

*Buds
of
hollywood*



The word "Hollywood" appearing in the drawing is disclaimed.

FOR AFTER SHAVING LOTION AND COLOGNES.
Claims use since July 1, 1944.

Ser. No. 481,698. DON JUAN, INC., New York, N. Y. Filed Apr. 4, 1945.

DONITA

FOR LIPSTICKS, ROUGE, AND FACE POWDER.
Claims use since Jan. 2, 1945.

Ser. No. 482,266. ABBOTT LABORATORIES, North Chicago, Ill. Filed Apr. 18, 1945.

ABBOCIDIN

FOR CHEMOTHERAPEUTIC AGENTS OF BACTERICIDAL OR BACTERIOSTATIC ACTIVITY, MORE SPECIFICALLY ANTIBIOTICS OBTAINED FROM SOIL ORGANISMS OR BY SYNTHESIS.
Claims use since Apr. 5, 1945.

Ser. No. 482,443. SCOTT & BOWNE, Bloomfield, N. J. Filed Apr. 21, 1945. Under section 5b of the act of 1905 as amended in 1920.

SCOTT

FOR COD LIVER OIL FOOD TONIC, COUGH SYRUP AND SKIN OINTMENT.
Claims use since Nov. 1, 1878, on cod liver oil food tonic; since Dec. 17, 1941, on cough syrup; and since Jan. 20, 1942, on skin ointment.

Ser. No. 482,444. SCOTT & BOWNE, Bloomfield, N. J. Filed Apr. 21, 1945. Under section 5b of the act of 1905 as amended in 1920.

SCOTT'S

FOR COD LIVER OIL FOOD TONIC, COUGH SYRUP, AND SKIN OINTMENT.

Claims use since Nov. 1, 1878, on cod liver oil food tonic; and since Dec. 28, 1943, on cough syrup and skin ointment.

Ser. No. 482,646. RESISTOFLEX CORPORATION, Belleville, N. J. Filed Apr. 26, 1945.

RESISTOFLEX

FOR PLASTICIZING SOLUTIONS FOR RESTORING AND PRESERVING THE FLEXIBILITY OF ARTICLES MADE OF COMPAR (COMPOUNDED POLYVINYL ALCOHOL), CHEMICAL SOLUTIONS FOR FILLING AND REPAIRING CUTS AND PUNCTURES THEREIN, AND CHEMICAL PREPARATIONS FOR COATING BASKETS, HOOKS AND WIRES USED FOR HOLDING ARTICLES WHILE BEING DEGREASED IN ORGANIC SOLVENTS TO FORM A NON-SCRATCHING SURFACE THEREON.
Claims use since Nov. 15, 1944.

Ser. No. 483,350. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed May 14, 1945.

FEROMA

FOR A PREPARATION EFFECTIVE AS A TONIC AND FOR TREATING ANEMIA AND OTHER CASES OF IMPOVERISHED BLOOD CONDITIONS AND OTHER METABOLIC DEFICIENCIES.
Claims use since Apr. 21, 1945.

579 O. G.—35

Ser. No. 483,429. ALFRED HERZ, doing business as Aurora Manufacturing Co., Brooklyn, N. Y. Filed May 16, 1945.

Enduro

FOR SOLUBLE SOUR FOR REMOVING STAINS AND BRIGHTENING CLOTHES IN THE LAUNDERING PROCESS; LIQUID STRIPPER FOR REMOVAL OF COLOR FROM CLOTH; STARCH LUBRICATOR FOR REMOVING STIFFNESS FROM CLOTHING IN THE LAUNDERING PROCESS; AND LIQUID BLUE.
Claims use since Jan. 15, 1942.

Ser. No. 483,559. TEC CHEMICAL CORPORATION, New York, N. Y. Filed May 18, 1945.

TECTASE

FOR PROTEOLYTIC AND DIASTATIC ENZYME FOR USE AS A TEXTILE DESIZING AGENT.
Claims use since May 14, 1945.

Ser. No. 483,666. WILLIAM SQUIRE STEVENS, doing business as W. Stevens & Co., London, England. Filed May 22, 1945.

RADI

FOR LOTIONS AND LINIMENTS FOR VETERINARY USE FOR THE TREATMENT OF SPRAINS AND STRAINS, AND SIMILAR CONDITIONS.
Claims use since Jan. 31, 1944.

Ser. No. 483,686. GRANVILLE LABORATORIES, Chicago, Ill. Filed May 23, 1945.

Swoon

FOR SHAMPOOS.
Claims use since Apr. 5, 1945.

Ser. No. 484,046. DAVID CRAMPTON, doing business as Highside Chemicals Co., Newark, N. J. Filed June 1, 1945.

TRACE

FOR CHEMICAL PREPARATION FOR DETECTING LEAKS IN FLUID SYSTEMS.
Claims use since Feb. 15, 1945.

Ser. No. 484,301. EMMETT M. KING, New York, N. Y. Filed June 8, 1945.

BALLANCIAGA

FOR PERFUME, COLOGNES, TOILET WATER, ROUGE, LIPSTICK, AND FACE POWDER.
Claims use since May 19, 1945.

Ser. No. 484,352. McKesson & Robbins, Incorporated, New York, N. Y. Filed June 9, 1945.

SURIN

FOR ANTISEPTIC AND SOOTHING OINTMENT FOR MINOR CUTS, SKIN ABRASIONS, SCRATCHES, AND SIMPLE BURNS.

Claims use since June 6, 1945; and on alternative general tonics and laxatives since Nov. 18, 1927.

Ser. No. 484,353. McKesson & Robbins, Incorporated, New York, N. Y. Filed June 9, 1945.

UTOL

FOR ANTISEPTIC AND SOOTHING OINTMENT FOR MINOR CUTS, SKIN ABRASIONS, SCRATCHES, AND SIMPLE BURNS.

Claims use since June 6, 1945; and on a remedy for catarrhal disorders since Jan. 1, 1903.

Ser. No. 484,582. NOVA CHEMICAL CORPORATION, New York, N. Y. Filed June 15, 1945.

NOVA PLASDYE

FOR DYESTUFFS USED IN DYEING.
Claims use since June 7, 1945.

Ser. No. 484,746. MAURICE LEVY, New York, N. Y. Filed June 19, 1945.

Phenomenal

FOR PERFUME AND TOILET WATER.
Claims use since June 7, 1945.

Ser. No. 484,804. THE SCHUYLKILL CHEMICAL COMPANY, Philadelphia, Pa. Filed June 20, 1945.

Simip

FOR AGRICULTURAL SPRAY TO COMBAT CHLOROSIS.
Claims use since Apr. 20, 1945.

Ser. No. 484,899. LEDEBLE LABORATORIES, INC., New York, N. Y. Filed June 22, 1945.

SUSPENSUL

FOR SULFANILAMIDE IN OIL PREPARATION FOR THE TREATMENT OF MASTITIS IN CATTLE.
Claims use since May 21, 1945.

Ser. No. 484,935. CHARLES OF THE RITZ, INC., New York, N. Y. Filed June 23, 1945.

HIBISCUS

FOR LIPSTICKS AND ROUGE.
Claims use since January 1939.

Ser. No. 484,937. CHARLES OF THE RITZ, INC., New York, N. Y. Filed June 23, 1945.

lim 9/10

FOR PERFUMES AND TOILET WATER.
Claims use since 1938.

Ser. No. 484,970. OSGOOD'S INDIA CHOLAGOUE, INCORPORATED, Stamford, Conn. Filed June 23, 1945. Under 10-year proviso.

OSGOOD

FOR AN ANTIMALARIAL.
Claims use since Jan. 1, 1849.

Ser. No. 485,045. TROY COOK, doing business as Bis-Rheu Company, Cumberland, Ky. Filed June 26, 1945.

BIS-RHEU

FOR PREPARATION FOR THE RELIEF OF GASTRIC DISTURBANCES, SOUR STOMACH, HEART BURN, ACID DYSPEPSIA AND EXCESSIVE GAS.
Claims use since Feb. 22, 1942.

Ser. No. 485,159. JOHN RUBEL, doing business as John Rubel Co., New York, N. Y. Filed June 28, 1945.

AMPHORA

FOR COSMETICS—NAMELY, PERFUMES.
Claims use since December 1944.

Ser. No. 485,164. L. SONNEBORN SONS, INC., New York, N. Y. Filed June 28, 1945.

CHIFFONOL

FOR PASTE FILLER FOR FINISHING FABRICS.
Claims use since December 1920.

Ser. No. 485,165. L. SONNEBORN SONS, INC., New York, N. Y. Filed June 28, 1945.

DEGUMOL

FOR LIQUID COMPOSITION USED FOR CONDITIONING RAW SILK PRIOR TO WEAVING.
Claims use since Mar. 21, 1932.

Ser. No. 485,167. L. SONNEBORN SONS, INC., New York, N. Y. Filed June 28, 1945.

KAYIDOL

FOR U. S. P. HEAVY MEDICINAL WHITE MINERAL OIL.
Claims use since June 15, 1927.

Ser. No. 485,181. WHITEHALL PHARMACAL COMPANY, New York, N. Y. Filed June 28, 1945.

ANACIN

FOR MEDICINAL PREPARATION FOR INTERNAL USE, ACTING AS AN ANALGESIC TO RELIEVE PAIN.
Claims use since Jan. 1, 1916.

Ser. No. 485,347. J. & H. MANUFACTURING COMPANY, Dallas, Tex. Filed July 2, 1945.

Ru-Lef

FOR MEDICINAL PREPARATION FOR THE RELIEF OF DISCOMFORTS DUE TO NEURITIS, RHEUMATISM, AND MUSCULAR PAINS.
Claims use since May 20, 1945.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 484,462. PIPES, INC., New York, N. Y. Filed June 12, 1945.

TRAILBLAZER

FOR SMOKING PIPES.
Claims use since May 31, 1945.

Ser. No. 485,197. CHAMPAGNE PAPER CORPORATION, Pisgah Forest, N. C. Filed June 29, 1945.

STAR

FOR CIGARETTE PAPER BOOKLETS.
Claims use since May 21, 1945.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 480,357. ARMOUR WALLINGSFORD, Los Angeles, Calif. Filed February 28, 1945.

Goldcello

FOR LABORATORY FILM INK WHICH IS ALSO USED ON PLASTIC, GLASS, METAL, AND CELLOPHANE.

Claims use since Feb. 16, 1945.

Ser. No. 483,357. S. J. WITZ & COMPANY, Chicago, Ill. Filed May 14, 1945.

ANCHOR

FOR CARBON PAPER.
Claims use since May 1, 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 478,143. NORTHROP & COMPANY, INC., New York, N. Y. Filed Jan. 1, 1945.

BOND-O

FOR PIPE JOINT COMPOUNDS COMPOSED OF SULPHUR AND OTHER INERT MATERIALS.
Claims use since Aug. 28, 1944.

Ser. No. 478,499. COLUMBIAN STEEL TANK COMPANY, Kansas City, Mo. Filed Jan. 11, 1945.



The word "Tanks" is disclaimed except as shown.
FOR SHEET METAL CONCRETE FORMS; STEEL STAIRWAYS, STEEL TOWERS FOR ELEVATED TANKS; PREFABRICATED BUILDINGS; STEEL DOORS; SMOKE HOUSES, AND OUTDOOR TOILETS INCLUDING THE BUILDING AND BUILT-IN FIXTURES.

Claims use since Dec. 15, 1935.

Ser. No. 479,736. TIMBER ENGINEERING COMPANY, Washington, D. C. Filed Feb. 12, 1945.

TECO-POST

The word "Post" is disclaimed apart from the mark as shown.

FOR SPACING AND REINFORCING ELEMENTS PRIMARILY OF WOOD FOR USE IN CONSTRUCTING DEMOUNTABLE SHELVING, FURNITURE, AND OTHER DEMOUNTABLE TIMBER CONSTRUCTIONS.

Claims use since Dec. 15, 1944.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 479,059. ADEL PRECISION PRODUCTS CORP., Burbank, Calif. Filed Jan. 27, 1945.

ADELOCK

FOR SELF-LOCKING NUTS AND FASTENERS, MADE OF SHEET METAL AND APPLICABLE TO SCREWS, BOLTS, AND THREADLESS STUDS.
Claims use since Nov. 23, 1944.

Ser. No. 481,127. PYRENE MANUFACTURING COMPANY, Newark, N. J. Filed March 20, 1945.

Pyrene

FOR FIRE EXTINGUISHING APPARATUS—NAMELY, FOAM PROPORTIONING TANKS WHICH ARE FIXED AS TO LOCATION AND FORM AN INTEGRAL PART OF AND SUPPLY FIRE EXTINGUISHING FOAM-MAKING SOLUTIONS TO A PIPE SYSTEM HAVING DELIVERY ENDS AT OR NEAR LOCATIONS WHERE FIRES ARE LIKELY TO OCCUR.
Claims use since October 1930.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 482,534. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y. Filed Apr. 24, 1945.

NI-SPAN-HI

FOR HEAT TREATABLE HIGH EXPANSION NICKEL ALLOY.
Claims use since Mar. 24, 1945.

Ser. No. 482,535. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y. Filed Apr. 24, 1945.

NI-SPAN-LO

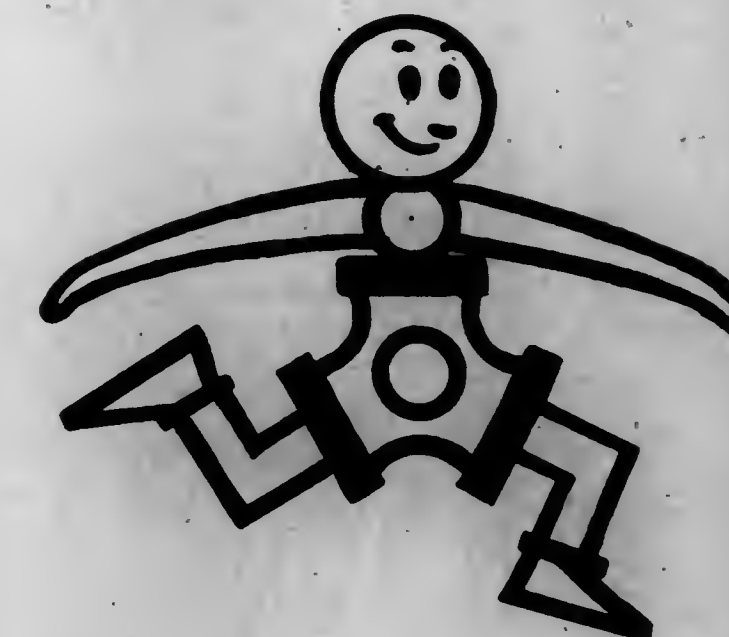
FOR HEAT TREATABLE LOW EXPANSION NICKEL ALLOY.
Claims use since Mar. 24, 1945.

Ser. No. 482,536. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y. Filed Apr. 24, 1945.

NI-SPAN-C

FOR HEAT TREATABLE CONSTANT MODULUS NICKEL ALLOY.
Claims use since Mar. 24, 1945.

Ser. No. 485,357. METAL & ALLOY SPECIALTIES CO., INC., Buffalo, N. Y. Filed July 2, 1945.



FOR METAL CASTINGS MADE OF ALLOY METAL, BRONZE, OR ALUMINUM.
Claims use since June 15, 1944.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 482,647. RESISTOFLEX CORPORATION, Belleville, N. J. Filed Apr. 26, 1945.



FOR PAINT FOR GAS-PROOFING AND SOLVENT-PROOFING POROUS MATERIALS.
Claims use since Nov. 15, 1944.

Ser. No. 483,430. HOOKER GLASS & PAINT MFG. CO., Chicago, Ill. Filed May 16, 1945.

Kingplastik

FOR LIQUID PAINT AND PAINT ENAMEL.
Claims use since May 4, 1945.

Ser. No. 484,279. MAX STETSON, doing business as Boston Chemical Industries, Boston, Mass. Filed June 7, 1945.



FOR FURNITURE POLISH AND FLOOR WAX.
Claims use since Feb. 2, 1945.

CLASS 17 TOBACCO PRODUCTS

Ser. No. 484,516. AMERICAN CIGARETTE AND CIGAR COMPANY, New York, N. Y. Filed June 14, 1945.

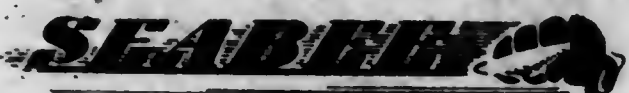


Applicant is the owner of Regs. Nos. 130,029, 291,696, and 344,387. The drawing is lined to indicate the color red.

FOR CIGARETTES.
Claims use on words "Pall Mall" and red background on which they are displayed since about June 1, 1899; on crest device with Latin inscription, since about January 1925; on phrase, "Wherever Particular People Congregate," since about March 1940; and on composite mark in the form shown in the drawing since Oct. 6, 1942.

CLASS 19 VEHICLES

Ser. No. 480,122. REPUBLIC AVIATION CORPORATION, Farmingdale, Long Island, N. Y. Filed Feb. 22, 1945.



FOR AIRPLANES.
Claims use since Nov. 15, 1944.

Ser. No. 480,788. REPUBLIC AVIATION CORPORATION, Farmingdale, Long Island, N. Y. Filed Mar. 10, 1945.

SEABEE

FOR AIRPLANES.
Claims use since Nov. 15, 1944.

Ser. No. 481,162. REPUBLIC AVIATION CORPORATION, Farmingdale, Long Island, N. Y. Filed Mar. 21, 1945.



FOR AIRPLANES.
Claims use since Nov. 15, 1944.

Ser. No. 485,416. THE NATIONAL SCREW & MANUFACTURING COMPANY, Cleveland, Ohio. Filed July 3, 1945.

NAT

FOR SPOKES AND NIPPLES FOR VEHICLE WHEELS HAVING WIRE SPOKES.
Claims use since Jan. 25, 1945.

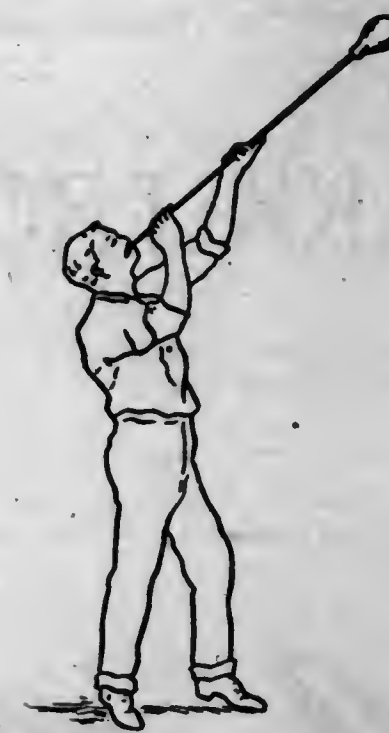
CLASS 21 ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 461,966. JAMES H. CANNON, doing business as Cannon Electric Development Company, Los Angeles, Calif. Filed July 10, 1943.

CANNON

FOR ELECTRICAL EQUIPMENT AND PARTS THEREFOR—NAMELY, ELECTRICAL CABLE CONNECTORS; WALL AND BOX MOUNTING RECEPTACLES AND ACCESSORY EQUIPMENT FOR THIS TYPE OF PRODUCTION, INCLUDING DUST-CAPS, JUNCTION BOXES, AND SPECIAL FLANGES; SPECIAL FUNCTION SOLENOIDS; ELECTRICAL RELAYS; ELECTRICAL SWITCHES AND PUSH-BUTTONS; AND INSTITUTIONAL SIGNAL EQUIPMENT, INCLUDING CALL STATIONS, ENUNCIATORS, CORRIDOR PILOT LIGHTS, PAGING SYSTEMS, AND EXPLOSION AND VAPOR-PROOF SWITCHES.
Claims use since May 8, 1942.

Ser. No. 474,477. CORNING GLASS WORKS, Corning, N. Y. Filed Sept. 22, 1944.



The mark consists of the fanciful representation of a man in the act of blowing glass.

FOR GLASS ARTICLES: BUSHINGS FOR ELECTRICAL APPARATUS; FORMS ON WHICH TO WIND ELECTRICAL COILS; INSULATING PARTS OF ELECTRONIC DEVICES AND OF ELECTRIC CONDENSERS; ELECTRICAL INSULATORS; ELECTRODE ROLLERS; FUSE PLUGS, HOUSINGS, WINDOWS AND COVERS FOR ELECTRICAL APPARATUS; LIGHTNING ARRESTOR BODIES; GLASS FOR GLASS TO METAL SEALS IN ELECTRICAL APPARATUS; UNFINISHED GLASS BULBS FOR FABRICATION INTO ELECTRICAL DEVICES; AND X-RAY SHIELDS.
Claims use since 1880.

Ser. No. 479,274. THE BLACK AND DECKER MANUFACTURING COMPANY, Towson, Md. Filed Feb. 1, 1945.

Porto

FOR HAND SUPPORTED AND CONTROLLED ELECTRIC POWER DRIVEN SHEARS FOR CUTTING METAL, LEATHER, CELLULOID, CARDBOARD, AND THE LIKE.

Claims use since Jan. 15, 1945.

Ser. No. 479,831. ADMIRAL CORPORATION, Chicago, Ill. Filed Feb. 15, 1945.

Flex-O-Heat

The word "Heat" is disclaimed apart from the mark.
FOR ELECTRIC STOVES.
Claims use since Dec. 21, 1944.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 482,619. DELANO-WHITE PLASTICS & ENGINEERING COMPANY, Detroit, Mich. Filed Apr. 26, 1945.

PIXIE

FOR TOY RATTLES.
Claims use since Nov. 3, 1944.

Ser. No. 483,901. LESTER M. DAVIS, doing business as Davis Fishing Tackle Co., Tacoma, Wash. Filed May 29, 1945.



FOR FISHING TROLLS.
Claims use since June 30, 1944.

Ser. No. 486,478. JAMES L. DECKER, doing business as James L. Decker Products Co., Los Angeles, Calif. Filed July 30, 1945.

ZOWIE

FOR BLOW GUNS, BLOW DARTS, AND TARGETS.
Claims use since May 4, 1945.

Ser. No. 486,804. SARA ANNE PATTERSON, Denver, Colo. Filed Aug. 6, 1945.

Teacher PEGGY BOARD

The Words "Teacher" and "Board" are disclaimed aside from the mark.
FOR EDUCATIONAL GAME BOARD.
Claims use since July 27, 1945.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 481,891. ELECTROL INCORPORATED, Kingston, N. Y. Filed Apr. 9, 1945.

ELECTROL

FOR HYDRAULIC VALVES AND VALVE ACTUATING MECHANISMS, HYDRAULIC PUMPS, HYDRAULIC JACKS, HYDRAULIC MOTORS AND HYDRAULIC PRESSURE ACCUMULATORS FOR USE IN HYDRAULIC SYSTEMS OR CIRCUITS AND THE LIKE.

Claims use since Aug. 3, 1943.

Ser. No. 482,648. RESISTOFLEX CORPORATION, Belleville, N. J. Filed Apr. 26, 1945.



FOR MOLDED PLASTIC PUMP ROTORS, SHOCK BUMPERS CONSTITUTING PARTS OF TELETYPE WRITERS AND FLEXIBLE WIPERS FOR USE AS PARTS OF LACQUER APPLICATORS IN LACQUER TOWERS, AND FLEXIBLE INK APPLICATORS FOR USE IN SILK SCREEN PRINTING APPARATUS, MADE IN WHOLE OR IN PART OF COMPAR (COMPOUNDED POLYVINYL ALCOHOL).

Claims use since Dec. 6, 1944.

Ser. No. 483,359. ABRASIVE TOOLS LIMITED, London, England. Filed May 15, 1945.

ABRAFILE

FOR HAND TOOLS IN THE NATURE OF FILES.

Claims use since July 27, 1943.

Ser. No. 485,311. UNIVERSAL HANDICRAFTS SERVICE, INC., New York, N. Y. Filed June 30, 1945.

HALLMARK

FOR LOOMS.

Claims use since June 14, 1945.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 479,823. THE TAKK CORPORATION, Newark, Ohio. Filed Feb. 14, 1945.

TAKK-TRON

FOR HIGH VOLTAGE INSULATION TESTERS.

Claims use since Aug. 1, 1944.

Ser. No. 483,695. OPTICAL PRODUCTS COMPANY, New York, N. Y. Filed May 23, 1945.



Applicant is the owner of Reg. No. 405,369. FOR SPECTACLE FRAMES.

Claims use since Aug. 11, 1943.

Ser. No. 485,328. THE COLEMAN COMPANY, INC., Wichita, Kans. Filed July 2, 1945.

MODUMATIC

FOR THERMOSTATICALLY CONTROLLED REGULATING APPARATUS FOR CONTROLLING AND REGULATING THE OPERATION OF GAS OR OTHER FURNACES.

Claims use since June 18, 1945.

Ser. No. 486,208. THE KONO MANUFACTURING COMPANY, Woodside, N. Y. Filed July 24, 1945.

PANVISCOPE

FOR EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR.

Claims use since July 9, 1945.

Ser. No. 486,209. THE KONO MANUFACTURING COMPANY, Woodside, N. Y. Filed July 24, 1945.

PANVISPEC

FOR EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR.

Claims use since July 9, 1945.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 400,775. LEROY SHANE, Topeka, Kans. Filed May 20, 1943.

Shepherd of the Sand Hills

FOR NOVELTIES AND SPECIALTIES OF VARIOUS KINDS—NAMELY, NECKLACES MADE OF NUTS, WOOD, CORN, ANIMAL HORN, BONE, LEATHER, AND COMBINATIONS THEREOF; BRACELETS MADE OF NUTS, WOOD, CORN, ANIMAL HORN, BONE, LEATHER, AND COMBINATIONS THEREOF; ORNAMENTAL PINS MADE OF NUTS, FRUIT, AND CONIFEROUS SUBSTANCES.

Claims use since Feb. 24, 1943.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 484,442. BURNHAM BOILER CORPORATION, Irvington, N. Y. Filed June 12, 1945.

BASE-RAY

Applicant disclaims the word "Base" except in combination with the mark as shown.

FOR HEATING PANELS—NAMELY, RADIATOR SECTIONS WITH ENCLOSING PANELS ADAPTED TO REPLACE THE BASE BOARD IN ROOMS.

Claims use since May 19, 1945.

Ser. No. 485,691. NATIONAL ENAMELING & STAMPING COMPANY, Milwaukee, Wis. Filed July 11, 1945.

ROCKWEAVE

Applicant is the owner of Trade-Mark registration No. 160,248.

FOR WOVEN WICKS.

Claims use since Oct. 1, 1919.

CLASS 37

PAPER AND STATIONERY

Ser. No. 484,299. HUMMEL-ROSS FIBRE CORPORATION, Hopewell, Va. Filed June 8, 1945.



Applicant is the owner of Reg. No. 411,251. FOR PAPER AND PAPER BOARD INTENDED FOR SATURATING AND COATING AND FOR GASKETS, FOR ABRASIVE COATING, AND FOR PLASTIC AND OTHER IMPREGNATION, AND FOR LAMINATING.

Claims use since May 24, 1945.

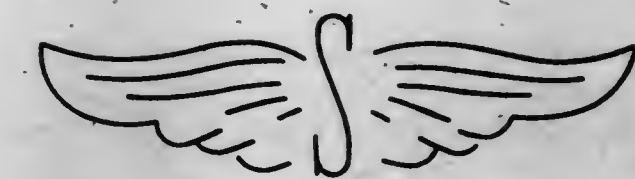
Ser. No. 484,948. JOSEPH M. GORDON, New York, N. Y. Filed June 23, 1945.

CLEARVELOPE

FOR A PARTLY TRANSPARENT PROTECTING ENVELOPE.

Claims use since Mar. 31, 1945.

Ser. No. 484,978. PETER J. SCHWEITZER, INC., New York, N. Y. Filed June 23, 1945.



FOR WRITING PAPER.

Claims use since Jan. 1, 1945.

Ser. No. 484,990. UNITED PAPER COMPANY, Tampa, Fla. Filed June 23, 1945.



FOR WAXED PAPER, WAXED INNER WRAP AND WRAPPING PAPERS, WAXED BREAD WRAPS, WAXED BUTCHER AND DELICATESSEN PAPERS.

Claims use since November 1938.

Ser. No. 485,111. L. E. WATERMAN COMPANY, New York, N. Y. Filed June 27, 1945.

EMBLEM

FOR FOUNTAIN PENS, MECHANICAL PENCILS, AND PARTS THEREOF.

Claims use since June 19, 1945.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 472,486. VOLITANT PUBLISHING COMPANY, New York, N. Y. Filed July 21, 1944.

**Vital
Detective
Cases**

No claim is made to the words "Detective Cases" apart from the mark.

FOR MAGAZINE OF CRIME AND DETECTIVE STORIES.

Claims use since Apr. 3, 1944.

Ser. No. 477,587. HENRY S. SILVERMAN, New York, N. Y. Filed Dec. 14, 1944.

VIKPIK

FOR PHOTOGRAPHIC PRINTS.
Claims use since June 1943.

Ser. No. 481,444. VICTOR STRAUSS, New York, N. Y. Filed Mar. 23, 1945.

PIED PIPER

FOR BOOKS, CATALOGUES, POSTERS, LEAFLETS, PERIODICALS, MAPS, BROADSIDES.
Claims use since Sept. 1, 1943.

Ser. No. 482,573. THE HILLIARD CORPORATION, Elmira, N. Y. Filed Apr. 25, 1945.

HILCO Hi-Lights

FOR PERIODICAL RELATING TO LUBRICATING, FUEL, AND INDUSTRIAL OILS PUBLISHED AT IR-REGULAR INTERVALS.

Claims use since Mar. 1, 1945.

Ser. No. 483,587. QUALITY ART NOVELTY CO., INC., Long Island City, N. Y. Filed May 19, 1945.

**WINTER
Enchantment**

FOR GREETING CARDS.
Claims use since February 1945.

Ser. No. 485,482. GEORGE STIMPSON, Washington, D. C. Filed July 5, 1945.

INFORMATION ROUNDUP

No claim is made to the exclusive use of the word "Information" except in the combination shown.

FOR SECTIONS IN PERIODICAL PUBLICATIONS.
Claims use since May 1945.

CLASS 39

CLOTHING

Ser. No. 468,007. SAMUELS SHOE COMPANY, St. Louis, Mo. Filed Mar. 6, 1944.

FLAPJACKS

FOR WOMEN'S LEATHER SHOES.
Claims use since October 1942.

Ser. No. 470,671. JANE PRENDIVILLE, New York, N. Y. Filed May 26, 1944.



The drawing is lined to indicate the colors red and green. FOR WOMEN'S AND CHILDREN'S APPAREL, CONSISTING OF SCARFS, COATS, DRESSES, ROMPERS, CREEPERS, OVERALLS, SWEATERS, JACKETS, HATS, SOCKS, SUITS, UNDERWEAR, PINAFORES, AND APRONS.

Claims use since August 1942.

Ser. No. 475,093. SILVERSTONE GARMENT COMPANY, Chicago, Ill. Filed Oct. 6, 1944.

*I am a
Marqu-Jane
Creation*

The word "Creation" is disclaimed apart from the mark as shown on the drawing.

FOR WOMEN'S WASH DRESSES, HOUSE FROCKS, AND PLAY SUITS.

Claims use since Jan. 2, 1936.

Ser. No. 477,410. I. J. FOX, INC., New York, N. Y. Filed Dec. 11, 1944.

Silvaecrown

FOR WOMEN'S MINK FUR COATS, WOMEN'S MINK FUR SCARFS, AND WOMEN'S MINK FUR COLLARS AND CUFFS INTENDED FOR ATTACHMENT TO CLOTH COATS.

Claims use since May 1, 1944.

Ser. No. 479,159. MOSS STORES, INC. San Francisco, Calif. Filed Jan. 29, 1945.

NATURALON

FOR WOMEN'S AND MISSES' HOSIERY.
Claims use since Sept. 13, 1944.

Ser. No. 479,555. DAVID CRYSTAL, INC., New York, N. Y. Filed Feb. 8, 1945.



The Sign of Pedigreed Sportswear

No claim is made to the word "Sportswear." FOR WOMEN'S, MISSES', AND GIRLS' FABRIC CLOTHING—NAMESLY, DRESSES, COATS, SUITS, BLOUSES, SLACKS, SWEATERS.
Claims use since Jan. 22, 1945.

Ser. No. 480,486. WRIGHT-BATCHELDER CORPORATION, Boston, Mass. Filed Mar. 3, 1945.

HINGE-WELT

No exclusive claim is made to the use of the word "Welt" except in the combination as shown.

FOR SHOE WELTS.

Claims use since June 1, 1944.

Ser. No. 480,845. BLUE BELL, INC., Greensboro, N. C. Filed Mar. 8, 1945.

Qualitag

FOR MEN'S, WOMEN'S, BOYS' AND GIRLS' OVERALLS, JUMPERS, WORK JACKETS, WORK SHIRTS, WORK PANTS, MATCHED SHIRTS, MATCHED PANTS, DUNGAREES, BLANKET LINED COATS, COSSACK STYLE COATS AND ONE-PIECE SUITS.

Claims use since Dec. 28, 1944.

Ser. No. 482,029. SILVAN WIEDERSCHALL Co., New York, N. Y. Filed Apr. 11, 1945.

VANSYL

FOR FUR CAPES, FUR COATS, FUR JACKETS, FUR WRAPS, FUR NECK PIECES, AND FUR MUFFS.
Claims use since Mar. 1, 1945.

Ser. No. 482,439. PHILLIPS-JONES CORPORATION, New York, N. Y. Filed Apr. 21, 1945.

**VAN
SPLENDOR**

FOR MEN'S NECKTIES AND SCARFS.
Claims use since Feb. 21, 1945.

Ser. No. 482,645. RESISTOFLEX CORPORATION, Belleville, N. J. Filed Apr. 26, 1945.



FOR GLOVES, APRONS, CAPS, KERCHIEFS, SMOCKS AND SLEEVE GUARDS, TO BE WORN BY PERSONS, FOR SHOP, INDUSTRIAL AND HOUSEHOLD USE IN THE HANDLING OF AND FOR PROTECTION AGAINST OILS, HYDROCARBON FUELS AND ORGANIC SOLVENTS.

Claims use since Apr. 2, 1945.

Ser. No. 484,710. SEL-MOR GARMENT COMPANY, INC., St. Louis, Mo. Filed June 18, 1945.

QueenElaine

FOR LINGERIE, SPECIFICALLY WOMEN'S AND GIRLS' PAJAMAS, NIGHTGOWNS, SLIPS, PANTIES, AND HOUSECOATS.

Claims use since Apr. 16, 1945.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 461,005. ESTHER RICH, New York, N. Y. Filed May 28, 1943.



The horizontal lining appearing in the drawing represents shading only.

FOR SHOE LACES AND GARMENT LACINGS (THAT IS CORSET LACINGS, TROUSER LACINGS, AND OTHER GARMENT LACINGS), SHORT CUT LENGTHS OF RIBBON, AS WRIST WATCH RIBBONS, AND SHOULDER STRAP RIBBONS FOR UNDERGARMENTS; ALSO MADE-UP RIBBON BOWS AND ROSETTES, AND PASSEMENTERIES, ALL IN THE NATURE OF GARMENT TRIMMINGS.

Claims use since Jan. 1, 1918.

Ser. No. 483,747. THE STAR PIN COMPANY, Derby, Conn. Filed May 24, 1945.



The representation of a pin is disclaimed except in relation and association shown in the drawing.

FOR PINS, HAIRPINS, BOB PINS, AND HOOKS AND EYES.

Claims use since June 1, 1927.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 470,358. STANDEN & COMPANY LIMITED, London, England. Filed May 17, 1944.



The right to the exclusive use of the wording "Standen & Co. Ltd." and "London" is disclaimed apart from the mark as shown.

FOR PIECE GOODS MADE WHOLLY OR PRINCIPALLY OF WOOL.

Claims use since 1941.

Ser. No. 475,648. JOHN DELLE DONNE, New York, N. Y. Filed Oct. 24, 1944.



TWINDEE HOMESPUNS

The word "Homespuns" is disclaimed apart from the rest of the mark.

FOR WOOLEN PIECE GOODS.

Claims use since Sept. 19, 1944.

Ser. No. 479,730. REMOND-HOLLAND, INC., New York, N. Y. Filed Feb. 12, 1945.



FOR PIECE GOODS MADE OF RAYON AND SILK.

Claims use since Jan. 10, 1943.

Ser. No. 479,731. REMOND-HOLLAND, INC., New York, N. Y. Filed Feb. 12, 1945.



FOR PIECE GOODS MADE OF RAYON AND SILK.

Claims use since Jan. 10, 1943.

Ser. No. 481,947. JOSEPH GLUCK, New York, N. Y. Filed Apr. 10, 1945.

COBLEND

FOR RAYON PIECE GOODS.

Claims use since January 1944.

Ser. No. 481,948. JOSEPH GLUCK, New York, N. Y. Filed Apr. 10, 1945.

COSPUN

FOR RAYON PIECE GOODS.

Claims use since January 1944.

Ser. No. 483,736. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed May 24, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

**World
o'
Youth**

FOR PILLOW CASES, COMFORTERS, SHEETS, TEXTILE WATER-PROOF SHEETS, BLANKETS, RECEIVING BLANKETS, QUILTED PADS, CRIB SHEETS, CRIB BLANKETS, AND CRIB PADS.

Claims use since Jan. 15, 1943.

Ser. No. 483,738. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed May 24, 1945. Under the act of February 20, 1905, as amended June 10, 1938.



The pictures of the children shown on the drawing are fanciful.

FOR PILLOW CASES, COMFORTERS, SHEETS, TEXTILE WATER-PROOF SHEETS, BLANKETS, RECEIVING BLANKETS, QUILTED PADS, CRIB SHEETS, CRIB BLANKETS, AND CRIB PADS.

Claims use since Jan. 15, 1943.

CLASS 43

THREAD AND YARN

Ser. No. 483,252. THE LINEN THREAD CO., INC., New York, N. Y. Filed May 2, 1945.



FOR LINEN THREAD.

Claims use since Sept. 20, 1864.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 470,691. TOWNE TALK COMPANY, Los Angeles, Calif. Filed May 26, 1944.

TOWNE PRIDE

The applicant is the owner of Reg. No. 372,461, dated Oct. 31, 1939, and No. 388,924, dated July 15, 1941, the marks comprising the words "Towne Toppings" and "Towne Pumpe" respectively.

FOR JAM AND MARASCHINO CHERRIES.

Claims use since April 1942 for maraschino cherries; and since Mar. 22, 1944, for jam.

Ser. No. 470,981. JOHN A. WOOD, doing business as Pickle-Rite Company, not Inc., Pulaski Wis., and Chicago, Ill. Filed June 5, 1944.

PRIX-DE-LA-FORET

FOR PREPARED BOTTLED PICKLES.
Claims use since Apr. 3, 1944.

Ser. No. 471,164. NEDICK'S STORES, INC., New York, N. Y. Filed June 12, 1944.



FOR MEAT PRODUCTS—NAMESLY COOKED FRANKFURTERS AND FRANKFURTER SANDWICHES, RAW HAMBURGERS, COOKED HAMBURGERS, AND HAMBURGER SANDWICHES; BAKERY PRODUCTS—NAMESLY, BREADS, DOUGHNUTS, ROLLS, CAKES, AND PASTRIES; COFFEE, TEA, CHOCOLATE FOR BEVERAGE PURPOSES AND CANDY.
Claims use since May 10, 1944.

Ser. No. 472,727. BASIC FOOD MATERIALS, INC., Cleveland, Ohio. Filed July 29, 1944.

Turkey - Furter

The word "Turkey" is disclaimed apart from the mark.
FOR COMPOUNDED SEASONING FOR MEAT PRODUCTS.
Claims use since Nov. 12, 1943.

Ser. No. 475,288. GEORGE WESTON LIMITED, Passaic, N. J. Filed Oct. 12, 1944.

George Inn

FOR COOKIES.
Claims use since 1933.

Ser. No. 477,096. CHEMICAL PRODUCTS CORPORATION, Lockland Station, Ohio. Filed Dec. 1, 1944.

GREEN LIGHT

FOR FEED FOR LIVE STOCK AND POULTRY WHICH IS MADE UP OF THE FOLLOWING INGREDIENTS: MEAT SCRAPS, TANKAGE, FISHMEAL, LIVERMEAL, GLANDULAR MEAL, BLOOD FLOUR, DRIED-BY-PRODUCTS, VITAMIN D IRRADIATED PRODUCTS, RIBOFLAVIN CONCENTRATE, STEAMED BONE MEAL, BONE CHAR, AND MINERALS.
Claims use since Aug. 10, 1944.

Ser. No. 483,876. S. & F. SALES ASSOCIATES, New York, N. Y. Filed May 28, 1945.

Grove Crest

FOR CAKES AND COOKIES.
Claims use since Feb. 1, 1945.

Ser. No. 482,391. PIEDMONT MILLS, INC., Lynchburg, Va. Filed Apr. 20, 1945.

UTOPIA

FOR SELF-RISING BISCUIT FLOUR.
Claims use since 1910.

Ser. No. 484,607. BEATRICE CREAMERY COMPANY, Chicago, Ill. Filed June 16, 1945.

Magic-Freeze

Applicant makes no claim to the word "Freeze" except in combination shown as the second word element of the hyphenated word "Magic-Freeze."

FOR DEHYDRATED ICE CREAM MIX, CONTAINING CREAM, DEFATTED MILK SOLIDS, CORN SYRUP SOLIDS, SUGAR, VEGETABLE STABILIZER, SODIUM PHOSPHATE, PURE AND ARTIFICIAL VANILLA, AND U. S. CERTIFIED COLOR.

Claims use since May 22, 1945.

Ser. No. 484,636. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed June 16, 1945.

FLUFFO

Applicant is the owner of Reg. No. 131,026.
FOR COOKING AND SALAD OIL.
Claims use since April 1931.

Ser. No. 485,332. DINUBA CANNING CO., INC., Dinuba, Calif. Filed July 2, 1945.

Hat's Off

FOR CANNED TOMATO PUREE.
Claims use since June 22, 1945.

Ser. No. 485,344. HENRY HEIMAN, doing business as H. Heiman Company, New York, N. Y. Filed July 2, 1945.

T * A * F

FOR FOOD FLAVORING EXTRACTS AND FOOD FLAVORS—NAMESLY, RUM FLAVOR, VANILLA CONCENTRATE, IMITATION BUTTER FLAVOR POWDER, IMITATION RASPBERRY FLAVOR, STRAWBERRY FLAVOR, COFFEE FLAVOR, AND ESSENTIAL EDIBLE OILS—NAMESLY, OIL OF LEMON, LEMON EMULSION AND ORANGE EMULSION USED IN THE MANUFACTURE OF FOOD PRODUCTS BY BAKERS, CONFECTIONERS, CANDY MANUFACTURERS, ICE CREAM MANUFACTURERS AND SYRUP MANUFACTURERS, AND ALSO USED AS ADMIXTURES TO FOOD PRODUCTS SERVED IN BARS AND SODA FOUNTAINS; COCOA AND CHOCOLATE POWDER, ICE CREAM POWDER AND SPICES—NAMESLY, CINNAMON, GINGER, AND CARDAMON.
Claims use since June 19, 1945.

Ser. No. 485,379. T. O. TOMASELLO, Watsonville, Calif. Filed July 2, 1945.



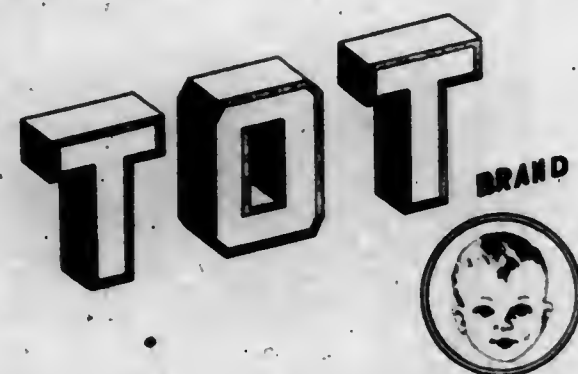
No claim is made to the word "Brand" apart from the mark. The drawing is lined for shading.
FOR FRESH VEGETABLES.
Claims use since May 4, 1942.

Ser. No. 485,380. T. O. TOMASELLO, Watsonville, Calif. Filed July 2, 1945.



The picture of the boy is fanciful. No claim is made to the word "Brand" or to the name "T. O. Tomasello" apart from the mark as shown.
FOR FRESH VEGETABLES.
Claims use since Aug. 14, 1939.

Ser. No. 485,381. T. O. TOMASELLO, Watsonville, Calif.
Filed July 2, 1945.



The picture of the child is fanciful. No claim is made to the word "Brand" or to the name "T. O. Tomasello" apart from the mark as shown.

FOR FRESH VEGETABLES.
Claims use since Sept. 2, 1939.

Ser. No. 485,382. T. O. TOMASELLO, Watsonville, Calif.
Filed July 2, 1945.



FOR FRESH VEGETABLES.
Claims use since May 31, 1945.

Ser. No. 485,623. BELMONT PRODUCTS CORPORATION, New York, N. Y. Filed July 10, 1945.

BELMONT
Nation's Favorite

Applicant disclaims the word "Belmont" apart from the mark.

FOR FRUIT CAKE.
Claims use since May 28, 1945.

Ser. No. 485,660. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed July 10, 1945. Under section 5b of the act of 1905 as amended in 1920.

FLEISCHMANN'S

FOR OLEOMARGARINE.
Claims use since July 6, 1943.

Ser. No. 486,084. THE BORDEN COMPANY, New York, N. Y.
Filed July 21, 1945.

FLOURISH

FOR ICE CREAM.
Claims use since June 13, 1945.

CLASS 50

MERCHANDISE NOT OTHERWISE
CLASSIFIED

Ser. No. 484,639. RHODES PLASTIC PRODUCTS, INC., New York, N. Y. Filed June 16, 1945.

"Charm"

FOR GARMENT HANGERS MADE OF PLASTICS.
Claims use since May 29, 1945.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

OCTOBER 23, 1945

- 417,280. CANNED BARTLETT PEARS, CANNED PINEAPPLE, CANNED APRICOTS, CANNED FRUIT COCKTAIL, CANNED GRAPEFRUIT, ETC. THE MIDLAND GROCERY COMPANY, Columbus, Ohio. Filed May 27, 1942. Serial No. 453,311. PUBLISHED AUGUST 7, 1945. Class 46.
- 417,281. WATCHES AND CLOCKS. JEAN LOUIS ROEHRICH, New York, N. Y. Filed May 18, 1943. Serial No. 460,714. PUBLISHED AUGUST 14, 1945. Class 27.
- 417,282. SOAP IN POWDERED FORM FOR DISH WASHING AND GENERAL CLEANING. GAMLEN CHEMICAL COMPANY, San Francisco, Calif., and Pittsburgh, Pa. Filed October 20, 1943. Serial No. 464,266. PUBLISHED AUGUST 7, 1945. Class 4.
- 417,283. COFFEE. HANLEY & KINSELLA COFFEE & SPICE COMPANY, St. Louis, Mo. Filed February 5, 1944. Serial No. 467,192. PUBLISHED MAY 9, 1944. Class 46.
- 417,284. SOLVENT CLEANSER AND DETERGENT FOR FLOORS. WALTER G. LEGGE COMPANY, INC., New York, N. Y. Filed March 23, 1944. Serial No. 468,576. PUBLISHED SEPTEMBER 26, 1944. Class 4.
- 417,285. CHOCOLATE, MILK CHOCOLATE, MILK MARMALADE, YERBA MATE, CANDIES, AND LEGUMINOUS VEGETABLE FLOURS. CAFES, CHOCOLATES AGUILA Y PRODUCTOS SAINT HERMANOS, SOCIEDAD ANONIMA, Buenos Aires, Argentina. Filed May 11, 1944. Serial No. 470,137. PUBLISHED JULY 3, 1945. Class 46.
- 417,286. COCOA. ROCKWOOD & Co., Brooklyn, N. Y. Filed May 17, 1944. Serial No. 470,349. PUBLISHED AUGUST 7, 1945. Class 46.
- 417,287. PROTECTION GLASSES. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed May 18, 1944. Serial No. 470,365. PUBLISHED AUGUST 14, 1945. Class 26.
- 417,288. BRUSHLESS SHAVE CREAM AND SHAVING SOAP. IRENE BLAKE COSMETICS, INC., also doing business as Artfield Creations, New York, N. Y. Filed May 29, 1944. Serial No. 470,751. PUBLISHED AUGUST 14, 1945. Class 4.
- 417,289. FRENCH FRIED POPCORN, CHEESE FLAVORED POPCORN AND CARAMEL FLAVORED POPCORN. KING KONE CORPORATION, New York, N. Y. Filed June 13, 1944. Serial No. 471,190. PUBLISHED AUGUST 7, 1945. Class 46.
- 417,290. COUPLINGS FOR LOW PRESSURE WATER PIPE, SEWER PIPE, AND DRAIN PIPE, THE COUPLINGS BEING MADE OF FIBRE, SUCH AS WOOD FIBRE, IMPREGNATED WITH BITUMINOUS MATERIAL SUCH AS COAL TAR PITCH. THE FIBRE CONDUIT COMPANY, Orangeburg, N. Y. Filed June 22, 1944. Serial No. 471,521. PUBLISHED AUGUST 7, 1945. Class 12.
- 417,291. GAME OF SPORT EMPLOYING BALLS AND BALL CATCHING PADDLES HAVING A POCKET THEREIN. BRADLEY & MELLIN, Minneapolis, Minn. Filed July 8, 1944. Serial No. 471,997. PUBLISHED AUGUST 7, 1945. Class 22.
- 417,292. DENTAL PLASTER OF PARIS. CERTAIN-TEED PRODUCTS CORPORATION, Chicago, Ill. Filed July 21, 1944. Serial No. 472,445. PUBLISHED AUGUST 14, 1945. Class 44.
- 417,293. POPCORN IN ITS NATURAL STATE. ATHANASIOS K. MELLOS, doing business as Mellos Peanut Co., Los Angeles, Calif. Filed August 8, 1944. Serial No. 473,071. PUBLISHED AUGUST 7, 1945. Class 46.
- 417,294. BASEBALL GAME. WILLIAM F. BRIESE, JR., doing business as Split Second Games, Steubenville, Ohio. Filed August 17, 1944. Serial No. 473,361. PUBLISHED AUGUST 7, 1945. Class 22.
- 417,295. UNDERWEAR FOR THE USE OF MEN, WOMEN, BOYS, AND GIRLS. CARROLL HOSIERY CORP., New York, N. Y. Filed September 9, 1944. Serial No. 474,023. PUBLISHED AUGUST 14, 1945. Class 39.
- 417,296. LIQUID WAX FOR USE ON FLOORS. CARSELLO CHEMICAL PRODUCTS, Chicago, Ill. Filed September 15, 1944. Serial No. 474,227. PUBLISHED AUGUST 7, 1945. Class 16.
- 417,297. LABORATORY GLASSWARE. CORNING GLASS WORKS, Corning, N. Y. Filed September 22, 1944. Serial No. 474,478. PUBLISHED AUGUST 14, 1945. Class 26.
- 417,298. ADHESIVES IN THE FORM OF CEMENTS, GLUES, AND PASTES FOR BONDING CORK, GLASS, LEATHER, LINOLEUM, METAL, PLASTICS, WALLBOARD, AND WOOD. HERBERT J. HERIBERT, New York, N. Y. Filed October 19, 1944. Serial No. 475,496. PUBLISHED AUGUST 14, 1945. Class 5.
- 417,299. PORCH SHADES, SPECIFICALLY PORCH SHADES MADE OF SLATS SUCH AS WOODEN SLATS. WARREN SHADE COMPANY, Minneapolis, Minn. Filed November 13, 1944. Serial No. 476,418. PUBLISHED AUGUST 14, 1945. Class 32.
- 417,300. WOODEN PARTS OF FURNITURE—I. E., LEGS, SEATS, TABLE-TOPS, ARMS, AND ARM-RESTS, SPINDLES AND BACKS. ROBERT U. ROURKE, Pomfret, Conn. Filed November 16, 1944. Serial No. 476,788. PUBLISHED AUGUST 7, 1944. Class 32.
- 417,301. TOMATO PASTE. ESCALON PACKERS, INC., Escalon, Calif. Filed November 28, 1944. Serial No. 476,960. PUBLISHED AUGUST 14, 1945. Class 46.
- 417,302. COASTERS MADE OF CORK, FIBROUS MATERIAL, AND PLASTIC MATERIAL. THE GLOBE-TROTTER, INC., Chicago, Ill. Filed December 16, 1944. Serial No. 477,652. PUBLISHED AUGUST 7, 1945. Class 2.
- 417,303. STRUCTURAL STEEL BARS AND STEEL PLATES FOR CONSTRUCTION PURPOSES, STEEL GIRDERS AND BEAMS INCLUDING I-BEAMS. STEEL WAREHOUSING CORPORATION, Chicago, Ill. Filed December 23, 1944. Serial No. 477,900. PUBLISHED AUGUST 7, 1945. Class 12.

- 417,304. ABRASIVE WHEELS AND HAND HONES CONTAINING DIAMOND AS THE ABRASIVE. MAX N. FELKER, doing business as Felker Manufacturing Co., Torrance, Calif.
Filed January 22, 1945. Serial No. 478,862. PUBLISHED AUGUST 14, 1945. Class 4.
- 417,305. SIMULATED PEARL NECKLACES. S. NATHAN & COMPANY, INC., New York, N. Y.
Filed January 27, 1945. Serial No. 479,086. PUBLISHED AUGUST 14, 1945. Class 28.
- 417,306. CODE WORD BUILDING GAME PLAYED WITH PLAYING PIECES. E. S. LOWE COMPANY, INC., New York, N. Y.
Filed January 30, 1945. Serial No. 479,187. PUBLISHED AUGUST 14, 1945. Class 22.
- 417,307. WOMEN'S PLAYCLOTHES—NAMESLY, SHORTS, SLACKS, JUMPERS, AND PLAYSUITS. HOLLYWOOD CASUALS, Los Angeles, Calif.
Filed February 12, 1945. Serial No. 479,712. PUBLISHED AUGUST 14, 1945. Class 39.
- 417,308. LIQUID GLASS CLEANER. C-Z CHEMICAL COMPANY, Beloit, Wis.
Filed February 14, 1945. Serial No. 479,772. PUBLISHED AUGUST 14, 1945. Class 4.
- 417,309. SEASONING PREPARATIONS FOR MEATS OR OTHER FOOD PRODUCTS. KADIEM, INCORPORATED, New York, N. Y.
Filed February 22, 1945. Serial No. 480,110. PUBLISHED AUGUST 14, 1945. Class 46.
- 417,310. ELECTRIC REFRIGERATORS, DEEP FREEZE FOOD STORAGE CABINETS, ICE BOXES, MILK FILTER DISCS, OIL FILTERS, AND WATER FILTERS. OAKES & Co., also doing business as Tru-Test, Chicago, Ill.
Filed March 7, 1945. Serial No. 480,617. PUBLISHED AUGUST 14, 1945. Class 31.
- 417,311. NURSING BOTTLE HOLDERS. ALL-BEST SPECIALTIES CORP., New York, N. Y.
Filed March 22, 1945. Serial No. 481,169. PUBLISHED AUGUST 14, 1945. Class 44.
- 417,312. SOAP. HAROLD R. WOODS, Los Angeles, Calif.
Filed March 24, 1945. Serial No. 481,301. PUBLISHED AUGUST 14, 1945. Class 4.
- 417,313. ACCELEROMETERS. CARL F. GLADEN, Bay City, Mich.
Filed March 26, 1945. Serial No. 481,323. PUBLISHED AUGUST 14, 1945. Class 26.
- 417,314. COMBINATION OF SOIL CONDITIONING AND CHEMICAL INGREDIENTS, ADAPTED FOR USE AS A FERTILIZER AND SOIL CONDITIONER, AND FOR REJUVENATING AND IMPROVING AND MAINTAINING OF TURF. KELLY-WESTERN SEED Co., Salt Lake City, Utah.
Filed March 29, 1945. Serial No. 481,478. PUBLISHED AUGUST 14, 1945. Class 10.
- 417,315. PAINTS IN PASTE FORM. THE AMERICAN VARNISH COMPANY, Chicago, Ill.
Filed March 30, 1945. Serial No. 481,512. PUBLISHED AUGUST 14, 1945. Class 16.
- 417,316. FRESH AVOCADOS, FRESH CITRUS FRUITS, FRESH DECIDUOUS FRUITS, FRESH VEGETABLES, NUTS IN THEIR NATURAL STATE. GLENN ARTHUR WASSINGER, also doing business as E. & G. Avocado Co., Los Angeles, Calif.
Filed March 31, 1945. Serial No. 481,594. PUBLISHED AUGUST 14, 1945. Class 46.
- 417,317. SPOT REMOVING COMPOUND IN COMPRESSED STICK FORM. DUNCAN R. MACKENZIE, doing business as Duncan Mackenzie Company, New York, N. Y.
Filed April 3, 1945. Serial No. 481,672. PUBLISHED AUGUST 14, 1945. Class 4.

- 417,318. READY MIXED PAINT ESPECIALLY RESISTANT TO ACIDS, ALKALIS, FUMES, AND GASES. THE ARCO COMPANY, Cleveland, Ohio.
Filed April 7, 1945. Serial No. 481,828. PUBLISHED AUGUST 14, 1945. Class 16.
- 417,319. SOAP. PARFAIT, INCORPORATED, Chicago, Ill.
Filed April 9, 1945. Serial No. 481,903. PUBLISHED AUGUST 14, 1945. Class 4.
- 417,320. CROCHET AND KNITTING COTTON, KNITTING WORSTED, AND RAYON YARNS. ORCHARD YARN AND THREAD COMPANY, New York, N. Y.
Filed April 10, 1945. Serial No. 481,966. PUBLISHED AUGUST 14, 1945. Class 48.
- 417,321. COTTON TWILL PIECE GOODS. WELLINGTON SEARS COMPANY, INCORPORATED, New York, N. Y.
Filed April 10, 1945. Serial No. 481,968. PUBLISHED AUGUST 14, 1945. Class 42.
- 417,322. MEN'S AND YOUNG MEN'S COATS AND SUITS. WULF BROS. INC., New York, N. Y.
Filed April 10, 1945. Serial No. 481,972. PUBLISHED AUGUST 14, 1945. Class 39.
- 417,323. CLEANER FOR HANDS, FABRICS, WALLS, AND GENERAL HOUSEHOLD USE. BANITE, INC., Buffalo, N. Y.
Filed April 13, 1945. Serial No. 482,086. PUBLISHED AUGUST 14, 1945. Class 4.
- 417,324. STEEL BARS, BILLETS AND FORGINGS. LATROBE ELECTRIC STEEL COMPANY, Latrobe, Pa.
Filed April 13, 1945. Serial No. 482,106. PUBLISHED AUGUST 14, 1945. Class 14.
- 417,325. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed April 14, 1945. Serial No. 482,163. PUBLISHED AUGUST 14, 1945. Class 4.
- 417,326. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed April 14, 1945. Serial No. 482,166. PUBLISHED AUGUST 14, 1945. Class 4.
- 417,327. ELECTRIC REFRIGERATORS. PERFECOLD INC., Los Angeles, Calif.
Filed April 16, 1945. Serial No. 482,219. PUBLISHED AUGUST 14, 1945. Class 31.
- 417,328. EYEGLASSES AND EYEGLASS MOUNTINGS OR FRAMES AND PARTS THEREOF. OPTICAL PRODUCTS COMPANY, New York, N. Y.
Filed April 18, 1945. Serial No. 482,295. PUBLISHED AUGUST 14, 1945. Class 26.
- 417,329. PHOTOGRAPHIC PRODUCTS, CAMERA ACCESSORIES AND ATTACHMENTS AND PARTS THEREOF, ETC. THE KALART COMPANY, INC., Stamford, Conn.
Filed April 19, 1945. Serial No. 482,328. PUBLISHED AUGUST 14, 1945. Class 26.
- 417,330. CONCENTRATED MATE IN POWDER FORM. NESTLE'S MILK PRODUCTS, INC., New York, N. Y.
Filed April 26, 1945. Serial No. 482,635. PUBLISHED AUGUST 14, 1945. Class 46.
- 417,331. YARN. SPINNERIN YARN CO., INC., New York, N. Y.
Filed April 26, 1945. Serial No. 482,655. PUBLISHED AUGUST 14, 1945. Class 43.
- 417,332. STORAGE CABINETS. THE W. L. MAISON CORPORATION, New York, N. Y.
Filed April 27, 1945. Serial No. 482,692. PUBLISHED AUGUST 14, 1945. Class 32.
- 417,333. MEN'S SUITS, WORK TROUSERS, WORK COATS, AND WORK JACKETS. SPINDEL, INC., Chicago, Ill.
Filed April 27, 1945. Serial No. 482,712. PUBLISHED AUGUST 14, 1945. Class 39.

- 417,334. MEN'S, WOMEN'S, BOYS' AND CHILDREN'S PAJAMAS, SLEEPING COATS AND OUTER SHIRTS. STADIUM MANUFACTURING CO., INC., Baltimore, Md.
Filed April 27, 1945. Serial No. 482,718. PUBLISHED AUGUST 14, 1945. Class 39.
- 417,335. BUILDING CEMENT. PERMANENTE CEMENT COMPANY, Oakland, Calif.
Filed April 28, 1945. Serial No. 482,721. PUBLISHED JULY 31, 1945. Class 12.
- 417,336. KNITTED WEARING APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, SWEATERS, BATHING SUITS, SOCKS AND KNEE SOCKS, AND INFANTS' SWEATERS AND JACKETS. ERGO KNITTING MILLS, Los Angeles, Calif.
Filed April 28, 1945. Serial No. 482,738. PUBLISHED AUGUST 14, 1945. Class 39.
- 417,337. COSTUME JEWELRY CONTAINING PEARLS—NAMELY, NECKLACES, RINGS, PINS, AND EARRINGS. HENRY GORDY, New York, N. Y.
Filed April 28, 1945. Serial No. 482,741. PUBLISHED AUGUST 14, 1945. Class 28.
- 417,338. WORMS FOR FISHING BAIT. JOSEPH E. McKINSTRY, Los Angeles, Calif.
Filed April 30, 1945. Serial No. 482,806. PUBLISHED AUGUST 14, 1945. Class 22.
- 417,339. STUFFED TOYS—NAMELY, STUFFED REPRESENTATIONS OF ANIMALS AND STUFFED REPRESENTATIONS OF HUMANS. SELVY CREATIONS, INC., New York, N. Y.
Filed April 30, 1945. Serial No. 482,814. PUBLISHED AUGUST 14, 1945. Class 22.
- 417,340. FRESH FROZEN ORANGE JUICE FOR FOOD PURPOSES. CITRUS FOODS CO., INC., Los Angeles, Calif.
Filed May 1, 1945. Serial No. 482,833. PUBLISHED AUGUST 14, 1945. Class 46.
- 417,341. PNEUMATIC TIRE TUBES. CONTINENTAL PRODUCTS, INC., Chicago, Ill.
Filed May 2, 1945. Serial No. 482,868. PUBLISHED AUGUST 14, 1945. Class 35.
- 417,342. MELBA TOAST AND CRACKERS KNOWN AS WAFFLES. KING KONE CORPORATION, New York, N. Y.
Filed May 2, 1945. Serial No. 482,880. PUBLISHED AUGUST 14, 1945. Class 46.
- 417,343. STABILIZER FOR ICE CREAM AND DAIRY PRODUCTS. JOE LOWE CORPORATION, New York, N. Y.
Filed May 2, 1945. Serial No. 482,882. PUBLISHED AUGUST 14, 1945. Class 46.
- 417,344. COLLOID DUPLICATING COMPOUND FOR PRODUCING ONE-PIECE IMPRESSIONS FROM ORIGINAL DENTAL MODELS. COSMOS DENTAL PRODUCTS, INC., New York, N. Y.
Filed May 4, 1945. Serial No. 482,980. PUBLISHED AUGUST 14, 1945. Class 44.
- 417,345. LADIES' AND MISSES' DRESSES, COATS, DRESS AND JACKET ENSEMBLES, SUITS, BLOUSES, SKIRTS, SLACKS, COVERALLS, JUMPERS. DAVID CRYSTAL INC., New York, N. Y.
Filed May 4, 1945. Serial No. 482,981. PUBLISHED AUGUST 14, 1945. Class 39.
- 417,346. HEATING RADIATOR UNITS COMPRISED OF METAL PIPES OR TUBES UPON WHICH THIN RADIATING PLATES OR FINS ARE FASTENED AND RADIATING FINS FOR THE SAME. THE VULCAN RADIATOR COMPANY, Hartford, Conn.
Filed May 7, 1945. Serial No. 483,098. PUBLISHED AUGUST 14, 1945. Class 34.
- 417,347. BLACK AND COLORED CRAYONS AND PENCILS AND SETS THEREOF. STANDARD TOYKRAFT PRODUCTS, INC., Brooklyn, N. Y.
Filed May 12, 1945. Serial No. 483,288. PUBLISHED AUGUST 14, 1945. Class 37.

- 417,348. PURSE LINERS. ETHEL DIXON WITKOWSKA, Washington, D. C.
Filed May 14, 1945. Serial No. 483,358. PUBLISHED AUGUST 14, 1945. Class 3.
- 417,349. WATCHES AND WATCH MOVEMENTS. LOUIS AISENSTEIN & BROS., New York, N. Y.
Filed May 15, 1945. Serial No. 483,360. PUBLISHED AUGUST 14, 1945. Class 27.
- 417,350. STATIONERY—NAMELY, WRITING PAPER AND NOTE PAPER. D. L. DYER, doing business as Hobby Stationers, Kansas City, Mo.
Filed May 15, 1945. Serial No. 483,365. PUBLISHED AUGUST 14, 1945. Class 37.
- 417,351. STATIONERY—NAMELY, WRITING PAPER AND NOTE PAPER. D. L. DYER, doing business as Hobby Stationers, Kansas City, Mo.
Filed May 15, 1945. Serial No. 483,366. PUBLISHED AUGUST 14, 1945. Class 37.
- 417,352. STATIONERY—NAMELY, WRITING PAPER AND NOTE PAPER. D. L. DYER, doing business as Hobby Stationers, Kansas City, Mo.
Filed May 15, 1945. Serial No. 483,367. PUBLISHED AUGUST 14, 1945. Class 37.
- 417,353. NURSING BOTTLE NIPPLES. THE SEAMLESS RUBBER COMPANY, New Haven, Conn.
Filed May 16, 1945. Serial No. 483,453. PUBLISHED AUGUST 14, 1945. Class 44.
- 417,354. TALL OIL PITCH, THE RESIDUE FROM TALL OIL DISTILLATION. WEST VIRGINIA PULP AND PAPER COMPANY, New York, N. Y.
Filed May 16, 1945. Serial No. 483,464. PUBLISHED AUGUST 14, 1945. Class 1.
- 417,355. TOY RECEIVING AND TRANSMITTING APPARATUS. KELLOGG COMPANY, Battle Creek, Mich.
Filed May 17, 1945. Serial No. 483,480. PUBLISHED AUGUST 14, 1945. Class 22.
- 417,356. COAL. THE MAUMER COLLIERIES COMPANY, Terre Haute, Ind.
Filed May 17, 1945. Serial No. 483,484. PUBLISHED AUGUST 14, 1945. Class 1.
- 417,357. PYROPHORIC CIGARETTE LIGHTERS. BERMING PRODUCTS CORP., New York, N. Y.
Filed May 18, 1945. Serial No. 483,509. PUBLISHED AUGUST 14, 1945. Class 34.
- 417,358. EAR BOBS AND GOLD WIRE JEWELRY. CARL CHRISTY, Crockett, Tex.
Filed May 21, 1945. Serial No. 483,606. PUBLISHED AUGUST 14, 1945. Class 28.
- 417,359. WATCH MOVEMENTS AND WRIST AND POCKET WATCHES. JEAN E. GRAFF, INC., New York, N. Y.
Filed May 21, 1945. Serial No. 483,614. PUBLISHED AUGUST 14, 1945. Class 27.
- 417,360. WAX COMPOSITION FOR SEALING CRACKS IN CEMENT. ALFRED AUFHAUSER, doing business as Industrial Raw Materials Company, New York, N. Y.
Filed May 25, 1945. Serial No. 483,754. PUBLISHED JULY 31, 1945. Class 12.
- 417,361. STATIONERY—NAMELY, WRITING PAPER AND NOTE PAPER. D. L. DYER, doing business as Hobby Stationers, Kansas City, Mo.
Filed May 25, 1945. Serial No. 483,763. PUBLISHED AUGUST 14, 1945. Class 37.
- 417,362. FOUNTAIN PENS AND MECHANICAL PENCILS. W. A. SHEAFFER PEN COMPANY, Fort Madison, Iowa.
Filed May 25, 1945. Serial No. 483,795. PUBLISHED AUGUST 14, 1945. Class 37.
- 417,363. GLASS CIGARETTE BOXES AND GLASS ASH TRAYS. LOUIS AISENSTEIN & BROS., New York, N. Y.
Filed May 26, 1945. Serial No. 483,804. PUBLISHED AUGUST 14, 1945. Class 8.

- 417,364. GLASS PICTURE FRAMES. LOUIS AISENSTEIN & Bros., New York, N. Y.
Filed May 26, 1945. Serial No. 483,805. PUBLISHED AUGUST 7, 1945. Class 32.
- 417,365. HEARING AID DEVICES AND PARTS THEREOF. ERIC HÄCHLER, New York, N. Y.
Filed May 26, 1945. Serial No. 483,820. PUBLISHED AUGUST 7, 1945. Class 44.
- 417,366. WATCHES AND PARTS THEREOF. INTER-ATLANTIC TRADING CORP., New York, N. Y.
Filed May 26, 1945. Serial No. 483,822. PUBLISHED AUGUST 14, 1945. Class 27.
- 417,367. EDUCATIONAL TOYS AND GAMES IN WHICH ALPHABETS AND NUMBERS ARE EMPLOYED. ARTHUR DARTZ, doing business as Vitaplay Toy Co., New York, N. Y.
Filed May 30, 1945. Serial No. 483,962. PUBLISHED AUGUST 7, 1945. Class 22.
- 417,368. FRESH AVOCADOS. GLENN WASSINGER, doing business as E & G Avocado Company, Los Angeles, Calif.
Filed June 4, 1945. Serial No. 484,152. PUBLISHED AUGUST 7, 1945. Class 46.

- 417,369. RAW POPCORN. KING KONE CORPORATION, doing business as Hi-Score Co., New York, N. Y.
Filed June 5, 1945. Serial No. 484,174. PUBLISHED AUGUST 7, 1945. Class 46.
- 417,370. PYROPHORIC CIGAR LIGHTERS. GALTER MANUFACTURING COMPANY, Chicago, Ill.
Filed June 11, 1945. Serial No. 484,398. PUBLISHED AUGUST 7, 1945. Class 34.
- 417,371. PYROPHORIC CIGAR LIGHTERS. GALTER MANUFACTURING COMPANY, Chicago, Ill.
Filed June 11, 1945. Serial No. 484,399. PUBLISHED AUGUST 7, 1945. Class 34.
- 417,372. PYROPHORIC CIGAR LIGHTERS. GALTER MANUFACTURING COMPANY, Chicago, Ill.
Filed June 11, 1945. Serial No. 484,400. PUBLISHED AUGUST 7, 1945. Class 34.
- 417,373. HARD AND SOFT WOOD PANELLING. E. J. STANTON & SON, Inc., Vernon, Calif.
Filed June 12, 1945. Serial No. 484,466. PUBLISHED AUGUST 14, 1945. Class 12.
- 417,374. TOY ANIMALS. LOUIS J. BRISKE, JR., doing business as Briskraft Novelty Company, Menasha, Wis.
Filed June 15, 1945. Serial No. 484,566. PUBLISHED AUGUST 7, 1945. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

- 417,375. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) QUAKER CITY MOTOR PARTS COMPANY, Philadelphia, Pa. Filed Oct. 1, 1942. Serial No. 455,892.

COLD-WELD

FOR METALLIC RODS AND ELEMENTS FOR REPAIRING CRACKED AND BROKEN CASTINGS OF STEEL, IRON, OR OTHER METALS.
Claims use since Dec. 15, 1941.

- 417,376. (CLASS 19. VEHICLES.) BLUEMEL BROS. LIMITED, Wolston, near Coventry, England. Filed Oct. 7, 1943. Serial No. 463,964.

Bluemel's

FOR CYCLE AND MOTOR VEHICLE PARTS AND FITTINGS WHICH ARE EITHER MADE OF CELLULOID OR COVERED WITH CELLULOID—NAMELY, CHAIN COVERS AND GEAR CASES FOR CYCLES, MUDGUARDS FOR CYCLES, DRESS AND OVERCOAT SHIELDS FOR CYCLES, LIGHT REFLECTORS FOR CYCLES, HANDLE BARS FOR CYCLES, HANDLE GRIPS FOR CYCLES, AND STEERING WHEELS FOR MOTOR VEHICLES.
Claims use since 1907.

- 417,377. (CLASS 19. VEHICLES.) THE LYTCYCLE COMPANY, Burbank, Calif. Filed Nov. 12, 1943. Serial No. 464,949.

LYTCYCLE

FOR MOTORCYCLES AND STRUCTURAL PARTS THEREOF.
Claims use since Aug. 15, 1943.

- 417,378. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BRYANT CHUCKING GRINDING COMPANY, Springfield, Vt. Filed Nov. 25, 1943. Serial No. 465,284.

BRYANT
HIGH FREQUENCY
WHEELHEAD

FOR HIGH FREQUENCY ELECTRIC MOTOR DRIVEN, HIGH SPEED WHEELHEADS FOR GRINDING WHEELS.
Claims use since Sept. 20, 1943.

- 417,379. (CLASS 38. PRINTS AND PUBLICATIONS.) STEWART-WARNER CORPORATION, Chicago, Ill. Filed Mar. 22, 1944. Serial No. 468,547.

THE
STEWART-WARNER CORP.
WORKER

FOR A PERIODICAL.
Claims use since May 25, 1943.

- 417,380. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) BRIARCRAFT INC., New York, N. Y. Filed Mar. 24, 1944. Serial No. 468,593.

B
BRIARCRAFT

FOR TOBACCO PIPES.
Claims use since Aug. 29, 1933.

- 417,381. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NO-BOIL FLUID CHEMICAL COMPANY, Jamestown, N. Y. Filed May 16, 1944. Serial No. 470,812.

NO-BOIL

FOR WASHING COMPOUND FOR USE IN CLEANING CLOTHES, HAVING INCIDENTAL BLEACHING PROPERTIES, AND FOR REMOVING STAINS, CLEANING FLOORS, GLASS AND PAINTED WOODWORK.
Claims use since July 1, 1927.

- 417,382. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MAURICE D. LATZ, INC., New York, N. Y. Filed June 17, 1944. Serial No. 471,349.

MARITZA
MIXER

FOR NON-ALCOHOLIC, MALTLESS FRUIT SYRUPS AND CONCENTRATES USED FOR THE MAKING OF NON-ALCOHOLIC BEVERAGES.
Claims use since May 1, 1944.

- 417,383. (CLASS 38. PRINTS AND PUBLICATIONS.) THE HAIRE PUBLISHING COMPANY, New York, N. Y. Filed July 3, 1944. Serial No. 471,900.

PLASTICS INDUSTRY

FOR SECTION OF A MAGAZINE RELATING TO NEW PLASTIC PRODUCTS FOR HOUSEHOLD USE.
Claims use since June 5, 1944.

- 417,384. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IRRESISTIBLE, Inc., New York, N. Y. Filed Aug. 1, 1944. Serial No. 472,813.

FACE
GLO

FOR COSMETIC FOUNDATION LOTION.
Claims use since July 13, 1941.

- 417,385. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE O-KAN FLOUR MILLS COMPANY, doing business as Burrus Mill & Elevator Co., Fort Worth, Tex. Filed Aug. 10, 1944. Serial No. 473,163.

IN FLOUR IT'S THE PROTEIN THAT COUNTS

FOR WHEAT FLOUR.
Claims use since June 15, 1944.

- 417,386. (CLASS 38. PRINTS AND PUBLICATIONS.) SCIENCE PUBLICATIONS COUNCIL, New York, N. Y. Filed Aug. 25, 1944. Serial No. 473,618.

The JOURNAL of
Parenteral
Therapy

FOR MEDICAL PUBLICATION ISSUED QUARTERLY.
Claims use since Aug. 10, 1944.

- 417,387. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MANUFACTURERS SCREW PRODUCTS, Chicago, Ill. Filed Sept. 11, 1944. Serial No. 474,080.

HEX-SCRU

FOR SCREWS AND BOLTS.
Claims use since July 25, 1944.

- 417,388. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JUD'S, Hempstead, Long Island, N. Y. Filed Oct. 9, 1944. Serial No. 475,121.

JUD'S
PREMIUM

FOR ROOT BEER AND OTHER NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND FOR JUICES OR SYRUPS FOR MAKING THE SAME.
Claims use since Aug. 15, 1944.

- 417,389. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BROWN INSTRUMENT COMPANY, Philadelphia, Pa. Filed Oct. 10, 1944. Serial No. 475,144.

INSTRUMENTATION

FOR MAGAZINE ISSUED FROM TIME TO TIME.
Claims use since Jan. 22, 1944.

417,390. (CLASS 8. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Oct. 16, 1944. Serial No. 475,374.

Approved

FOR TOOTH POWDER, DENTAL CREAM, LIQUID DENTIFRICE AND SHAMPOO.

Claims use since January 1937 on dental cream; since January 1939 on tooth powder; since July 1942 on liquid dentifrice; and since July 1944 on shampoo.

417,391. (CLASS 38. PRINTS AND PUBLICATIONS.) HAIRE PUBLISHING COMPANY, New York, N. Y. Filed Oct. 21, 1944. Serial No. 475,568.

AIRPORTS

FOR A MAGAZINE.

Claims use since Sept. 1, 1944.

417,392. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BEET MINSHALL, doing business as Minshall Products, San Antonio, Tex. Filed Dec. 13, 1944. Serial No. 477,522.

Fix-A-Brush Cleaner

BEFORE AFTER

FOR PREPARATION IN POWDER FORM FOR CLEANING AND RESTORING PAINT BRUSHES.

Claims use since Aug. 31, 1943.

417,393. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SUB-GOOD PRODUCTS CO., Evansville, Ind. Filed Dec. 13, 1944. Serial No. 477,534.

Sur-good

FOR HAIR TONIC AND SHAMPOO.

Claims use since Sept. 1, 1944.

417,394. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GOLDEN ARROW TOILETRIES, New York, N. Y. Filed Dec. 14, 1944. Serial No. 477,561.

FOR MEN ONLY
"GOLDEN ARROW"

FOR FACE AND HAND LOTIONS AND TALCUM POWDER.

Claims use since May 25, 1943.

417,395. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) OIL-DRI COMPANY OF AMERICA, Chicago, Ill. Filed Dec. 23, 1944. Serial No. 477,894.

Oil-Dri
ALL PURPOSE

Applicant is the owner of Reg. No. 409,272. FOR GRANULAR PROCESSED FULLER'S EARTH WHICH IS USED FOR ABSORBING OILS AND OTHER LIQUIDS.

Claims use since Sept. 1, 1944.

417,396. (CLASS 5. ADHESIVES.) MENDEX CORPORATION, Cleveland, Ohio. Filed Dec. 26, 1944. Serial No. 477,941.

EASY-MEND

FOR THERMOPLASTIC MENDING TAPES AND TABS.

Claims use since Mar. 1, 1942.

417,397. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ROBERT H. PRICE, doing business as Price Detergent Co., Shelton, Wash. Filed Feb. 12, 1945. Serial No. 479,728.

Price Detergent Co.

FOR CLEANING SOLVENT AND DETERGENT FOR CLEANING AND SPOTTING FABRICS.

Claims use since Aug. 15, 1944.

417,398. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INTERCHEMICAL CORPORATION, New York, N. Y. Filed Feb. 15, 1945. Serial No. 479,849.

MIL-DU-RID

FOR HOUSEHOLD FUNGICIDE.

Claims use since July 9, 1943.

417,399. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN E. RESPONDER, Detroit, Mich. Filed Mar. 1, 1945. Serial No. 480,385.

Romo Kold

FOR PREPARATION, IN CAPSULE FORM, FOR THE TREATMENT OF COUGHS AND COLDS.

Claims use since June 1931.

417,400. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed Apr. 28, 1945. Serial No. 482,455.

SUNTAN GELEE

FOR FOUNDATION CREAMS.

Claims use since Feb. 1, 1944.

417,401. (CLASS 38. PRINTS AND PUBLICATIONS.) GLEN-KEL PUBLISHING COMPANY INC., New York, N. Y. Filed Apr. 30, 1945. Serial No. 482,798.

North-West
ROMANCES

FOR A PERIODICAL.

Claims use since July 1, 1937.

417,402. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOUSE OF HAWICK, Brooklyn, N. Y. Filed May 3, 1945. Serial No. 482,932.

HAWICK

FOR AFTER-SHAVE LOTION, HAIR DRESSING, AND MEN'S TALC.

Claims use since June 9, 1944.

417,403. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) THE REISS-PREMIER CORPORATION, West New York, N. J. Filed May 10, 1945. Serial No. 483,199.

DINWOODIE

FOR SMOKERS' PIPES, CIGAR AND CIGARETTE HOLDERS.

Claims use since November 1919.

417,404. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAM LIEBERMAN, doing business as Sabern Products Co., Cleveland, Ohio. Filed June 6, 1945. Serial No. 484,208.

Man-O

FOR CHEMICAL PREPARATION USED ON THE HANDS AS A PROTECTION AGAINST CUTTING OIL, SOLVENTS, PAINTS, RESIN AND DYES.

Claims use since Feb. 1, 1942.

417,405. (CLASS 38. PRINTS AND PUBLICATIONS.) STEEL PUBLICATIONS INC., Pittsburgh, Pa. Filed June 16, 1945. Serial No. 484,646.

FURNACES

FOR SECTION IN A PERIODICAL.

Claims use since 1931.

417,406. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSLEY RADIO CORPORATION, Long Island City, N. Y. Filed July 12, 1945. Serial No. 485,711.

ANSLEY

FOR PHOTOGRAPHIC FLASH SYNCHRONIZERS.

Claims use since Sept. 20, 1941.

417,407. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) HARTLEY'S, Inc., Miami, Fla. Filed Aug. 6, 1945. Serial No. 486,768.

Hartley's

FOR LADIES', MISSES', AND CHILDREN'S HANDBAGS AND PURSES OF LEATHER, IMITATION LEATHER, FABRIC, PLASTIC AND COMBINATIONS THEREOF, WALLETS, PORTFOLIOS, BRIEF CASES, LEATHER JEWELRY BOXES FOR TRAVEL PURPOSES, AND TRAVELLING CASES.

Claims use since Sept. 6, 1938.

TRADE-MARK REGISTRATIONS RENEWED

26,860. FERROPYRIN. REMEDY FOR ANEMIA, CHLOROSIS, MEGRIM, AND NEURALGIA, WHICH CAN ALSO BE EMPLOYED AS A STYPITAL SUBSTANCE. Registered July 23, 1895. KNOLL & Co. Renewed July 23, 1945, to Knoll & Cie. Aktiengesellschaft, Liestal, Switzerland, a corporation of Switzerland. Class 6.

27,269. "SWEET CAPORAL" ETC. AND DRAWING. CIGARS, CHEROOTS, CIGARETTES, AND SMOKING-TOBACCO. Registered Nov. 18, 1895. THE AMERICAN TOBACCO CO., Newark, N. J., and New York, N. Y. Renewed Nov. 19, 1945, to The American Tobacco Company, New York, N. Y., a corporation of New Jersey. Class 17.

27,443. "THE '400' BRAND" AND DRAWING. CANNED FOOD PRODUCTS. Registered Dec. 10, 1895. HAMBURG CANNING COMPANY, Hamburg, N. Y. Re-renewed Dec. 10, 1945, to Olney & Carpenter, Inc., Wolcott, N. Y., a corporation of New York. Class 46.

44,710. CASTOLINE. CATHARTIC AND LAXATIVE MEDICINE. Registered July 18, 1905. CAPUONE CHEMICAL COMPANY, Raleigh, N. C., a corporation of North Carolina. Re-renewed July 18, 1945. Class 6.

44,765. REPRESENTATION OF A DEVIL. DEVEILED ENTREMETS. Registered July 25, 1905. WILLIAM UNDERWOOD CO., Boston, Mass. Re-renewed July 25, 1945, to William Underwood Company, trustees, doing business as William Underwood Company, Watertown, Mass. Class 46.

- 45,317. "LINENE". COLLARS AND CUFFS. Registered Aug. 15, 1905. REVERSIBLE COLLAR COMPANY, Boston and Cambridge, Mass. Re-renewed Aug. 15, 1945, to Middlesex Products Corporation, doing business as Reversible Collar Company, Cambridge, Mass., a corporation of Massachusetts. Class 39.
- 46,304. PARAGON. DUPLICATING SALES-BOOKS. Registered Sept. 12, 1905. CARTER CRUME CO. LIMITED. Re-renewed Sept. 12, 1945, to Moore Business Forms, Inc., Niagara Falls, N. Y. Class 37.
- 46,459. MALTZYME. MALT EXTRACT. Registered Sept. 19, 1905. MALT-DIASTASE CO. Re-renewed Sept. 19, 1945, to Milnesla, Inc., Brooklyn, N. Y., a corporation of New York. Class 6.
- 47,058. BLACK LEAF. TOBACCO EXTRACTS. Registered Oct. 24, 1905. THE KENTUCKY TOBACCO PRODUCT CO. Re-renewed Oct. 24, 1945, to Tobacco By-Products and Chemical Corporation, Louisville, Ky., a corporation of Delaware. Class 6.
- 48,031. ROYAL WORCESTER. BLOTTING-PAPER. Registered Dec. 5, 1905. STANDARD PAPER MFG. CO., Manchester, Va. Re-renewed Dec. 5, 1945, to Standard Paper Manufacturing Co., Richmond, Va., a corporation of Virginia. Class 37.
- 48,132. REPRESENTATION OF A BATTLE-AX. RINGS. Registered Dec. 12, 1905. JONES & WOODLAND. Re-renewed Dec. 12, 1945, to Jones & Woodland Company, Newark, N. J., a corporation of New Jersey. Class 28.
- 48,188. NR. MEDICINES FOR THE REGULATION OF THE LIVER AND PURIFICATION OF THE BLOOD. Registered Dec. 12, 1905. THE A. H. LEWIS MEDICINE CO. Re-renewed Dec. 12, 1945, to Lewis-Howe Company, St. Louis, Mo., a corporation of Delaware. Class 6.
- 48,351. REGAL. LEATHER BOOTS AND SHOES. Registered Dec. 26, 1905. REGAL SHOE COMPANY INC., Boston, Mass. Re-renewed Dec. 26, 1945, to Regal Shoe Company, Whitman, Mass., a corporation of Massachusetts. Class 39.
- 48,448. BRESSANT. HAIR-CLIPPERS. Registered Jan. 2, 1906. BROWN & SHARPE MANUFACTURING COMPANY, Providence, R. I., a corporation of Rhode Island. Re-renewed Jan. 2, 1946. Class 23.
- 48,707. "UNION SPECIAL DOUBLE LOCKED STITCH" AND DRAWING. SEWING-MACHINES AND PARTS THEREOF. Registered Jan. 9, 1906. UNION SPECIAL MACHINE COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Jan. 9, 1946. Class 23.
- 48,777. REPRESENTATION OF AN UPLIFTED ARM ETC. WICKS, WEBS, AND WEBBINGS. Registered Jan. 16, 1906. FLETCHER MANUFACTURING COMPANY. Re-renewed Jan. 16, 1946, to International Braid Company, Providence, R. I., a corporation of Massachusetts. Classes 34 and 40.
- 48,788. "LA MERIDIANA" ETC. AND DRAWING. CIGARS. Registered Jan. 16, 1906. HAVANA COMMERCIAL COMPANY, New York, N. Y. Re-renewed Jan. 16, 1946, to Havana Commercial Company, Trenton, N. J., a corporation of New Jersey. Class 17.
- 48,823. L. & M. TANNED LEATHER IN PIECES AND CUT TO SHAPES. Registered Jan. 16, 1906. LEAS & McVITTY, INCORPORATED. Re-renewed Jan. 16, 1946, to Leas & McVitty, Incorporated, Philadelphia, Pa., a corporation of Delaware. Class 1.
- 48,909. RAMON'S. REMEDIES FOR THE CURE OF DISEASES OF THE LIVER AND KIDNEYS, ALL INFLAMMATIONS AND SWELLINGS, MALARIA AND OTHER KINDRED AILMENTS, GENERAL SYSTEM TONIC, HEADACHE, BOWEL COMPLAINT, NEURALGIA, AND OTHER LIKE ILLS, AND THROAT, LUNG, AND NASAL TROUBLES. Registered Jan. 16, 1906. BROWN MFG. CO., Greenville, Tenn. Re-renewed Jan. 16, 1946, to Brown Mfg. Co., Leroy, N. Y., a corporation of Tennessee. Class 6.
- 48,993. KLEINERT'S. DRESS-SHIELDS. Registered Jan. 16, 1906. I. B. KLEINERT RUBBER CO., New York, N. Y., a corporation of New York. Re-renewed Jan. 16, 1946. Class 40.
- 49,006. PRICE'S. BAKING-POWDER. Registered Jan. 16, 1906. PRICE BAKING POWDER COMPANY, Chicago, Ill. Re-renewed Jan. 16, 1946, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware. Class 46.
- 195,470. REPRESENTATION OF A BURGLAR. ELECTRICAL BURGLAR-ALARM INSTALLATIONS AND PARTS THEREOF. Registered Feb. 24, 1925. METROPOLITAN ELECTRIC PROTECTIVE CO. INC. Re-renewed Feb. 24, 1945, to Holmes Electric Protective Company, New York, N. Y., a corporation of New York. Class 21.
- 195,559. METROPOLITAN PROTECTION. ELECTRICAL BURGLAR-ALARM INSTALLATIONS AND PARTS THEREOF. Registered Feb. 24, 1925. METROPOLITAN ELECTRIC PROTECTIVE CO. INC. Re-renewed Feb. 24, 1945, to Holmes Electric Protective Company, New York, N. Y., a corporation of New York. Class 21.
- 199,903. XPERT. SHOT SHELLS. Registered June 23, 1925. WESTERN CARTRIDGE COMPANY, Wilmington, Del., and East Alton, Ill. Re-renewed June 23, 1945, to Olin Industries, Inc., East Alton, Ill., a corporation of Delaware. Class 9.
- 200,405. "AMERICAN INDIAN HEAD" AND DRAWING. LYE. Registered June 30, 1925. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed June 30, 1945. Class 6.
- 200,621. "KNITROYAL" AND DRAWING. HOSIERY, UNDERSHIRTS, PANTS, COMBINATION SHIRT AND PANTS, UNDERDRAWERS, CAMI-KNICKERS, CARDIGAN JACKETS, UNDERCOATS, JERSEYS, SINGLETTS, GLOVES, MITTENS, WORK SHIRTS, NEGLIGENCE SHIRTS, DRESS SHIRTS, VESTS, PETTICOATS, UNDERSKIRTS, DRESS SKIRTS, BODICES, PELISSES, BLOOMERS, KNICKERS, BLOUSES, AND CERTAIN OTHER NAMED ARTICLES OF CLOTHING. Registered July 7, 1925. T. H. DOWNING & CO. LIMITED. Re-renewed July 7, 1945, to Wolsey Limited, Leicester, England, a company of Great Britain. Class 39.
- 200,922. COUGH-GONE. MEDICINAL PREPARATION FOR THE TREATMENT OF COUGHS, COLDS, HOARSENESS, SORE THROAT, BRONCHITIS, AND ALL DISEASES OF THE THROAT AND LUNGS. Registered July 14, 1925. HAMILTON RUSSELL, Pensacola, Fla. Re-renewed July 14, 1945. Class 6.
- 200,929. "LINCOLN" AND DRAWING. FRESH DECIDUOUS FRUITS. Registered July 14, 1925. LINCOLN FRUIT GROWERS ASSOCIATION, Lincoln, Calif., a corporation of California. Re-renewed July 14, 1945. Class 46.
- 201,239. "THOUGHT RECORDER" AND DRAWING. MEMORANDUM BOOKS, INCLUDING LOOSE-LEAF COVERS AND FILLERS. Registered July 21, 1925. LESLIE P. HUEY, St. Louis, Mo. Re-renewed July 21, 1945, to Leslie P. Huey, Maplewood, Mo. Class 37.
- 201,255. "BAN" AND DRAWING. PREPARATION FOR CLEANING EXTERIORLY WALLS, WOODWORK, MARBLE, TILE, SLATE, FLOORS, FURNITURE, METAL, WINDOWS, MIRRORS, BOWLS, AND SINKS AND REMOVES DIRT AND DISCOLORATIONS. Registered July 21, 1925. THE C. B. DOLGE COMPANY, Westport, Conn., a corporation of Connecticut. Re-renewed July 21, 1945. Class 4.
- 201,289. DIXIE'S BEST. SIRUP FOR FOOD PURPOSES. Registered July 21, 1925. NEW ORLEANS COFFEE COMPANY, LTD., New Orleans, La. Re-renewed July 21, 1945, to Penick & Ford, Ltd. Incorporated, New York, N. Y., a corporation of Delaware. Class 46.

- 201,328. CEN-PE-CO. LUBRICATING OILS AND GREASES. Registered July 21, 1925. GRACE B. CARRAN, doing business as Central Petroleum Company. Re-renewed July 21, 1945, to Central Petroleum Company, Cleveland, Ohio, a corporation of Ohio. Class 15.
- 201,598. SULFOXITE. DYE PIGMENTS, DYESTUFFS. Registered Aug. 4, 1925. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Re-renewed Aug. 4, 1945. Class 6.
- 201,599. HALOPONT. DYE PIGMENTS, DYESTUFFS. Registered Aug. 4, 1925. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Re-renewed Aug. 4, 1945. Class 6.
- 201,639. "BARCO" AND DRAWING. NONALCOHOLIC, MALTLESS SIRUPS FOR MAKING SOFT DRINKS. Registered Aug. 4, 1925. B. A. RAILTON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Aug. 4, 1945. Class 45.
- 201,832. "ASSA" AND DESIGN. WATCHES AND PARTS OF WATCHES. Registered Aug. 11, 1925. A. SCHILD, A. G. (S. A.; LTD.), Granges, Soleure, Switzerland, a corporation of Switzerland. Re-renewed Aug. 11, 1945. Class 27.
- 201,833. "A. S." AND DESIGN. WATCHES AND PARTS OF WATCHES. Registered Aug. 11, 1925. A. SCHILD, A. G. (S. A.; LTD.), Granges, Soleure, Switzerland, a corporation of Switzerland. Re-renewed Aug. 11, 1945. Class 27.
- 201,928. HYDRAPHTAL. PREPARATIONS FOR WASHING AND CLEANING WOOL, COTTON WOOL, AND COTTON YARNS AND FABRICS MADE THEREFROM, AND FOR DEGREASING TEXTILES AND LEATHER. Registered Aug. 11, 1925. CHEMISCHE FABRIK PORT & CO., Dresden, Germany. Re-renewed Aug. 11, 1945, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Class 4.
- 201,945. "GREEN STRIPE" AND DRAWING. STITCHED BELTING DUCK, COTTON-DUCK PAPER FELTS, OIL-PRESS CLOTH, CIDER-PRESS CLOTH, COTTON CLOTHS, COTTON TWEELS, FILTER-BLANKET CLOTH, ARMY BELTING FABRICS, NETTED FABRICS, LENO-WEAVE CLOTHS, KNITTED COTTON FABRICS, KNITTED COTTON PADDING, AND COTTON DUCK ALL IN THE PIECE; WOVEN COTTON TUBES, COTTON SPONGE CLOTHS, COTTON SCRUB CLOTHS, AND COTTON DISH-CLOTHS. Registered Aug. 11, 1925. WM. E. HOOPER & SONS CO., Woodberry, Baltimore, Md., a corporation of Maryland. Re-renewed Aug. 11, 1945. Class 42.
- 202,023. ROSE AND CROWN. WHEAT FLOUR. Registered Aug. 11, 1925. ROSS T. SMITH & CO. LIMITED, Liverpool, England. Re-renewed Aug. 11, 1945, to The United Africa Company, London, England, an incorporated company of Great Britain. Class 46.
- 202,237. "THE AMERICAN NEWS TRADE JOURNAL" AND DRAWING. TRADE JOURNALS, PAMPHLETS, OR SO-CALLED HOUSE ORGANS. Registered Aug. 18, 1925. THE AMERICAN NEWS COMPANY INC. Re-renewed Aug. 18, 1945, to The American News Company, Inc., New York, N. Y., a corporation of Delaware. Class 38.
- 202,369. "SUNNY BARCO" AND DESIGN. TARTARIC AND CITRIC ACIDS, DENATURED ALCOHOL, AMMONIA, BAKING POWDER, BLUING, GLYCERIN, AND CREAM OF TARTAR. Registered Aug. 18, 1925. B. A. RAILTON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Aug. 18, 1945. Classes 6 and 46.
- 202,511. PLUMAGE SHADES CLOTH. WOOLEN PIECE GOODS. Registered Aug. 25, 1925. FORSTMANN & HUFFMAN COMPANY. Re-renewed Aug. 25, 1945, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.
- 202,624. BOBBETTE. CLASPS FOR BOBBED HAIR. Registered Sept. 1, 1925. PARKS BROS. & ROGERS, INC., Providence, R. I. Re-renewed Sept. 1, 1945, to Gaylord Products, Incorporated, Chicago, Ill., a corporation of Delaware. Class 40.
- 202,795. "BARCO" AND DRAWING. PAPER ITEMS—NAMESLY, DOILIES, MANILA PAPER, PAPER NAPKINS, PAPER TOWELS, WATERPROOF WRAPPING PAPER, WAX PAPER, AND WRAPPING PAPER. Registered Sept. 1, 1925. B. A. RAILTON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Sept. 1, 1945. Class 37.
- 203,096. SUN PAK. FLASH LIGHTS. Registered Sept. 8, 1925. PAUL REVERE PUCKETT, Atlanta, Ga. Re-renewed Sept. 8, 1945, to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware. Class 21.
- 203,163. NORTA. CHEMICAL COMPOSITION FOR TYPE CLEANING. Registered Sept. 15, 1925. FELIX PFEFFER, doing business as Norta Distributing Company, New York, N. Y. Re-renewed Sept. 15, 1945. Class 6.
- 203,481. LANDIS OYO. LINEN THREAD. Registered Sept. 22, 1925. LANDIS MACHINE COMPANY, St. Louis, Mo., a corporation of Missouri. Re-renewed Sept. 22, 1945. Class 43.
- 203,898. "NP" AND DESIGN. APPARATUS FOR OPERATING DOORS FOR VEHICLES, APPARATUS FOR CONTROLLING THE OPERATION OF DOORS FOR VEHICLES, DOOR SIGNALING APPARATUS FOR VEHICULAR DOORS, APPARATUS FOR OPERATING STEPS FOR VEHICLES, APPARATUS FOR CONTROLLING THE OPERATION OF STEPS FOR VEHICLES, STEP SIGNALING APPARATUS FOR VEHICULAR STEPS, BRAKE EQUIPMENT, PNEUMATIC BRAKE EQUIPMENT. Registered Sept. 29, 1925. NATIONAL PNEUMATIC COMPANY, New York, N. Y., a corporation of West Virginia. Re-renewed Sept. 29, 1945. Class 19.
- 204,186. "THE READMORE" AND DRAWING. LIBRARY OUTFIT, INCLUDING BOOKCASES, BOOK-RACKS, BOOK-SHELVES, BOOKS, AND GROUPS OF SHELVES CONTAINING BOOKS. Registered Oct. 13, 1925. THE AMERICAN NEWS COMPANY, INC. Re-renewed Oct. 13, 1945, to The American News Company, Inc., New York, N. Y., a corporation of Delaware. Class 50.
- 204,739. DURASPUN. WOMEN'S, GIRLS', AND MISSES', UNDER-GARMENTS AND CLOTHING—NAMESLY, DRESSES, SUITS, SKIRTS, NIGHTGOWNS, PETTICOATS, SLIPS, BODICES, CHEMISES, DRAWERS, COMBINATIONS, BATH ROBES, SHIRT WAISTS, BATHING SUITS, DRESSING GOWNS, SWEATERS, MUFFLERS, HOSIERY, RAINCOATS, SPORT COATS, CAPES AND COATS MADE OF TEXTILE MATERIAL, AND CERTAIN OTHER NAMED ARTICLES OF CLOTHING. Registered Oct. 27, 1925. C. CRAWFORD HOLLIDGE, LTD., Boston, Mass., a corporation of Massachusetts. Re-renewed Oct. 27, 1945. Class 39.
- 204,813. SUNSO. SOAP POWDERS. Registered Oct. 27, 1925. SUN SOAP PRODUCTS, INCORPORATED, Staten Island, New York, N. Y. Re-renewed Oct. 27, 1945, to Cunningham Cleanser Corporation, New York, N. Y., a corporation of New York. Class 4.
- 204,847. BEST & CO. MISSES' AND CHILDREN'S HATS; SHOES OF LEATHER, CALFSKIN, SATIN, BROCADE, AND KID; SLIPPERS OF LEATHER, FELT, AND WOOL; PUTTEES; AND FABRIC, LEATHER, AND WOOL GLOVES; LEGGINS, OVER-GAITERS, SPATS, SWEATERS, STOCKINGS, SOCKS; UNDERWEAR OF KNITTED, NETTED AND TEXTILE FABRIC; COLLAR AND CUFF SETS, TIES, BELTS FOR PERSONAL WEAR, SCARFS, COATS, SUITS, DRESSES, LINGERIE, NEGLIGENCE, PETTICOATS, APRONS, AND OTHER CERTAIN NAMED ARTICLES OF CLOTHING. Registered Oct. 27, 1925. BEST & CO., INC., New York, N. Y., a corporation of New York. Re-renewed Oct. 27, 1945. Class 39.

- 204,861. **LINENE. COLLARS, CUFFS, AND BOSOMS.** Registered Oct. 27, 1925. REVERSIBLE COLLAR COMPANY, Boston, Mass. Renewed Oct. 27, 1945, to Middlesex Products Corporation, doing business as Reversible Collar Company, Cambridge, Mass., a corporation of Massachusetts. Class 39.
- 205,000. **"HOM-ESTIC" AND DRAWING. WATER HEATERS AND AUTOMATIC FUEL CONTROLS FOR WATER HEATERS.** Registered Oct. 27, 1925. OSCAR SCHWIMMER, doing business as Advice Machine and Manufacturing Company, Los Angeles, Calif. Renewed Oct. 27, 1945. Class 34.
- 205,084. **ALBINA GLORY. WHEAT FLOUR.** Registered Nov. 3, 1925. PORTLAND FLOUR MILLS CO., San Francisco, Calif. Renewed Nov. 3, 1945, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.
- 205,151. **"NF" AND DESIGN. PNEUMATIC MOTORS, PNEUMATIC DOOR MOTORS, PNEUMATIC STEP MOTORS, DOOR SHOES, PIPELINE DOORS, PNEUMATIC SAFETY APPARATUS FOR DOORS, MECHANICAL AND PNEUMATIC DOOR SIGNALING APPARATUS, MECHANICAL AND PNEUMATIC DOOR-OPERATION APPARATUS, MECHANICAL AND PNEUMATIC DOOR-OPERATION-CONTROL APPARATUS.** Registered Nov. 3, 1925. NATIONAL PNEUMATIC COMPANY, New York, N. Y., a corporation of West Virginia. Renewed Nov. 3, 1945. Class 23.
- 205,253. **ITALIA. PREPARATIONS FOR SCENTING PERFUMES AND THE LIKE.** Registered Nov. 3, 1925. M. NAEF & Co. Renewed Nov. 3, 1945, to Firmenich & Co., Geneva, Switzerland, a corporation of Switzerland. Class 6.
- 205,254. **OCYCLOSIA. PREPARATIONS FOR SCENTING PERFUMES AND THE LIKE.** Registered Nov. 3, 1925. M. NAEF & Co. Renewed Nov. 3, 1945, to Firmenich & Co., Geneva, Switzerland, a corporation of Switzerland. Class 6.
- 205,255. **DIANTHINE. PREPARATIONS FOR SCENTING PERFUMES AND THE LIKE.** Registered Nov. 3, 1925. M. NAEF & Co. Renewed Nov. 3, 1945, to Firmenich & Co., Geneva, Switzerland, a corporation of Switzerland. Class 6.
- 205,770. **"NANNETTE" ETC. AND DRAWING. CHILDREN'S DRESSES, NIGHTGOWNS, AND BAPTISMAL SETS.** Registered Nov. 17, 1925. JOSEPH F. ROSENBAUM, doing business as Nannette Mfg. Co. Renewed Nov. 17, 1945, to Nannette Manufacturing Co., Philadelphia, Pa., a partnership. Class 39.
- 206,084. **FLEXO. GLUE.** Registered Nov. 24, 1925. DANIEL H. DONEGAN, doing business as American Printers' Roller Company. Renewed Nov. 24, 1945, to American Roller Company, Chicago, Ill., a corporation of Illinois. Class 5.
- 206,453. **"ROLL O' GOLD" AND DRAWING. BUTTER.** Registered Dec. 1, 1925. THE WICHITA CREAMERY COMPANY, Wichita, Kans. Renewed Dec. 1, 1945, to Beatrice Creamery Company, Chicago, Ill., a corporation of Delaware. Class 46.
- 206,496. **"ADJUSTO-RAY" ETC. ELECTRIC PORTABLE LAMPS USED FOR MEDICINAL PURPOSES AND BULBS THEREFOR.** Registered Dec. 1, 1925. S. W. FARBER, INC., Brooklyn, N. Y., a corporation of New York. Renewed Dec. 1, 1945. Class 44.
- 206,600. **BIG SISTER. CANDY.** Registered Dec. 8, 1925. CRYSTAL CANDY COMPANY. Renewed Dec. 8, 1945, to Rawls-Dickson Candy Company, Winston-Salem, N. C., a corporation of North Carolina. Class 46.
- 206,922. **C & D. STORAGE BATTERIES AND PLATES.** Registered Dec. 15, 1925. CARLILE & DOUGHTY, INC., Philadelphia, Pa. Renewed Dec. 15, 1945, to Carlile & Doughty, Inc., Conshohocken, Pa., a corporation of Pennsylvania. Class 21.
- 207,188. **TRAIN. VARNISH, DRIER, JAPANS, PREPARED SHELLAC, TURPENTINE, WOOD FILLER, STAINS, POLISHES IN THE NATURE OF VARNISH AND AUTOMOBILE POLISH, PUTTY; PAINTS, DRY, PASTE, OR READY-MIXED, PAINT ENAMELS.** Registered Dec. 22, 1925. WALTER L. TRAINER CO., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Dec. 22, 1945. Class 16.
- 207,191. **REPRESENTATION OF TWO SEGMENTS OF CIRCLES. LIQUID GLOSS AND FLOOR DRESSING.** Registered Dec. 22, 1925. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Renewed Dec. 22, 1945, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware. Class 16.
- 207,230. **REPRESENTATION OF A HORSE, ETC. DISH, SILVER, AND GLASS CLEANING MACHINES AND METAL PARTS-CLEANING MACHINES.** Registered Dec. 22, 1925. COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Hartford, Conn., a corporation of Connecticut. Renewed Dec. 22, 1945. Class 23.
- 207,284. **REPRESENTATION OF A RED BAND. AMMUNITION.** Registered Dec. 29, 1925. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn., and Ilion and New York, N. Y. Renewed Dec. 29, 1945, to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware. Class 9.
- 207,306. **CELLU-DENT. ABSORBENT DENTAL ROLLS AND ABSORBENT DENTAL PADS.** Registered Dec. 29, 1925. KIMBERLY-CLARK COMPANY, Neenah, Wis. Renewed Dec. 29, 1945, to International Cellulose Products Company, Chicago, Ill., a corporation of Delaware. Class 44.
- 207,343. **"THOMSON'S MADE OF THE BEST TO STAND THE TEST". DRY, PASTE, AND READY-MIXED PAINTS, PAINT ENAMELS, FLAT PAINTS, FLOOR PAINTS, PASTE FILLERS, LIQUID FILLERS, DRIERS, VARNISHES, AND STAINS.** Registered Dec. 29, 1925. THE THOMSON WOOD FINISHING CO. Renewed Dec. 29, 1945, to Thomson-Porcelite Paint Co., Philadelphia, Pa., a corporation of Pennsylvania. Class 16.
- 207,497. **HEXL. FISHING RODS.** Registered Jan. 5, 1926. HORRICKS-IBBOTSON COMPANY, Utica, N. Y., a corporation of New York. Renewed Jan. 5, 1946. Class 22.
- 207,503. **LIONCEAU. SOAPS.** Registered Jan. 5, 1926. S. S. PIERCE CO., Boston, Mass., a corporation of Massachusetts. Renewed Jan. 5, 1946. Class 4.
- 207,590. **ALPHA. LEAD PENCILS.** Registered Jan. 5, 1926. EAGLE PENCIL COMPANY, New York, N. Y., a corporation of Delaware. Renewed Jan. 5, 1946. Class 37.
- 207,608. **"NEWBURYPORT DAILY NEWS" ETC. DAILY NEWSPAPER.** Registered Jan. 5, 1926. THE NEWS PUBLISHING COMPANY, INC., Newburyport, Mass., a corporation of Massachusetts. Renewed Jan. 5, 1946. Class 38.
- 207,649. **"B. P. O. E." AND DRAWING. MONTHLY MAGAZINE.** Registered Jan. 5, 1926. BENEVOLENT AND PROTECTIVE ORDER OF ELKS OF THE UNITED STATES OF AMERICA, New York, N. Y. Renewed Jan. 5, 1946, to Benevolent and Protective Order of Elks of the United States of America, Chicago, Ill., a corporation of the District of Columbia. Class 38.
- 207,751. **"DIRECT SALES BOND" AND DRAWING. COATED ONE AND COATED TWO SIDES BOND PAPER IN WHITE AND COLORS.** Registered Jan. 12, 1926. THE APPLETON COATED PAPER COMPANY, Appleton, Wis., a corporation of Wisconsin. Renewed Jan. 12, 1946. Class 37.
- 207,754. **"TAYLOR'S COMFORTABLE CHAIRS" AND DRAWING. CHAIRS FOR OFFICE AND HOUSEHOLD PURPOSES, SOFAS, SETTEES, DAVENPORTS, AND OFFICE COUCHES.** Registered Jan. 12, 1926. THE TAYLOR CHAIR COMPANY, Bedford, Ohio, a corporation of Ohio. Renewed Jan. 12, 1946. Class 32.

- 207,808. **EQUATOR. SOFT COAL.** Registered Jan. 12, 1926. WOODWORTH ELEVATOR COMPANY, Minneapolis, Minn., a corporation of Minnesota. Renewed Jan. 12, 1946. Class 1.
- 207,836. **CARBONITE. SILICON CARBIDE ABRASIVE GRAINS.** Registered Jan. 12, 1926. GENERAL ABRASIVE COMPANY, INC., Niagara Falls, N. Y., a corporation of New York. Renewed Jan. 12, 1946. Class 1.
- 207,866. **"MIRROR OF FASHION" AND DRAWING. MEN'S, WOMEN'S, AND CHILDREN'S LEATHER AND FABRIC SHOES, FELT AND SATIN SLIPPERS.** Registered Jan. 12, 1926. SAMUELS SHOE COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Jan. 12, 1946. Class 39.
- 207,874. **DANCELETTE. CORSETS.** Registered Jan. 12, 1926. THE H. W. GOSSARD CO., Chicago, Ill., a corporation of Illinois. Renewed Jan. 12, 1945. Class 39.
- 207,888. **GOLDEN HORN. WHEAT FLOUR.** Registered Jan. 12, 1926. STAR AND CRESCENT MILLING COMPANY. Renewed Jan. 12, 1946, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.
- 207,900. **818. TWO-PLY YARN COTTON VOILES.** Registered Jan. 12, 1926. WARWICK MILLS, Centerville, R. I., and Boston, Mass., a corporation of Rhode Island. Renewed Jan. 12, 1946. Class 42.
- 207,901. **1534. TWO-PLY YARN COTTON VOILES.** Registered Jan. 12, 1926. WARWICK MILLS, Centerville, R. I., and Boston, Mass. Renewed Jan. 12, 1946, to Warwick Mills, West Warwick, R. I., a corporation of Rhode Island. Class 42.
- 207,922. **SNOWFLAKE. CAKE FLOUR.** Registered Jan. 12, 1926. SPERRY FLOUR COMPANY, San Francisco, Calif. Renewed Jan. 12, 1946, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.
- 207,927. **"WASHBURN'S KING WHEAT" AND DRAWING. WHEAT FLOUR.** Registered Jan. 12, 1926. WASHBURN CROSBY COMPANY. Renewed Jan. 12, 1946, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.
- 207,937. **920. SINGLE-PLY YARN COTTON VOILES.** Registered Jan. 12, 1926. WARWICK MILLS, Centerville, R. I., and Boston, Mass. Renewed Jan. 12, 1946, to Warwick Mills, West Warwick, R. I., a corporation of Rhode Island. Class 42.
- 207,952. **"APOLLON" AND DRAWING. DURUM-WHEAT FLOUR.** Registered Jan. 12, 1926. WASHBURN CROSBY COMPANY. Renewed Jan. 12, 1946, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.
- 207,982. **CUB. FRESH CITROUS FRUIT—NAMESLY, ORANGES, LEMONS, GRAPEFRUIT.** Registered Jan. 12, 1926. UPLAND LEMON GROWERS ASSOCIATION, Upland, Calif., a corporation of California. Renewed Jan. 12, 1946. Class 46.
- 208,020. **ESPIQUET (S. P. K.). CONDIMENTAL SAUCES AND SALAD DRESSINGS.** Registered Jan. 19, 1926. PRICE FLAVORING EXTRACT COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Jan. 19, 1946. Class 46.
- 208,033. **HONEY BUNCH. DRY RAISINS.** Registered Jan. 19, 1926. HARRY ARAKELIAN & SON, Turlock, Calif. Renewed Jan. 19, 1946, to Consolidated Packing Company, San Francisco, Calif., a corporation of California. Class 46.
- 208,076. **"HF" ETC. AND DRAWING. READY-MADE PAINTS, OILS USED IN THE MANUFACTURE OF PAINTS, STAINS, AND VARNISHES.** Registered Jan. 19, 1926. HENRY PETERMAN, Brooklyn, N. Y. Renewed Jan. 19, 1946. Class 16.
- 208,116. **VELVETEX. BLACK PIGMENTS FOR USE IN THE RUBBER INDUSTRY.** Registered Jan. 19, 1926. BINNEY & SMITH COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Jan. 19, 1946. Class 6.
- 208,160. **CLICQUOT CLUB. NONALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME.** Registered Jan. 19, 1926. CLICQUOT CLUB COMPANY, Mills, Mass., a corporation of Rhode Island. Renewed Jan. 19, 1946. Class 45.
- 208,161. **CLICQUOT CLUB AND DRAWING. NON-ALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME.** Registered Jan. 19, 1926. CLICQUOT CLUB COMPANY, Mills, Mass., a corporation of Rhode Island. Renewed Jan. 19, 1946. Class 45.
- 208,182. **"BOBBIE" AND DRAWING. LADIES', MISSES', AND CHILDREN'S COATS, AND LADIES' SWEATER COATS.** Registered Jan. 19, 1926. JOSEPH ENGEL & Co., Inc. Renewed Jan. 19, 1946, to Joseph Engel, New York, N. Y. Class 39.
- 208,183. **"BOBBIE". LADIES', MISSES', OR CHILDREN'S DRESSES.** Registered Jan. 19, 1926. JOSEPH ENGEL & Co., Inc. Renewed Jan. 19, 1946, to Joseph Engel, New York, N. Y. Class 39.
- 208,197. **SEE IT IN GLASS—BUY IT IN TIN. CANNED AND BOTTLED VEGETABLES—NAMESLY, CORN, PUMPKIN, SUCCOTASH, BEANS, MIXED VEGETABLES FOR SOUP, CARROTS, BEETS, HOMINY, SAUERKRAUT, SPINACH, SQUASH, ASPARAGUS, ASPARAGUS TIPS, OKRA, TOMATOES, PEAS; CANNED AND BOTTLED FRUITS—NAMESLY, APPLES, PEACHES, APRICOTS, PLUMS, PEARS, CHERRIES, PINEAPPLE; CANNED AND BOTTLED BERRIES—NAMESLY, DEWBERRIES, BLACKBERRIES, STRAWBERRIES, RASPBERRIES, BLUEBERRIES, GOOSEBERRIES.** Registered Jan. 19, 1926. THE J. M. PAYER CO. Renewed Jan. 19, 1946, to Reid, Murdock & Co., Chicago, Ill., a corporation of Illinois. Class 46.
- 208,230. **REPRESENTATION OF PORTRAIT OF PEARL C. ROBBINS. LINIMENT USED FOR THE RELIEF OF RHEUMATISM, NEURALGIA, LUMBAGO, SCIATICA, NEURITIS, PLEURISY, SORE THROAT, TONSILLITIS, CHILBLAINS, FROSTED FEET, HEADACHE, CUTS, BRUISES, SPRAINS, AND DRAWING THE SORENESS OUT OF CORNS AND BUNIONS, AND RUNNING RUSTY NAILS IN THE FLESH.** Registered Jan. 19, 1926. PEARL C. ROBBINS, Millgrove, Ind. Renewed Jan. 19, 1946, to Pearl C. Robbins, Hartford City, Ind. Class 6.

REISSUES

OCTOBER 23, 1945

22,684

PHOTOGRAPHIC APPARATUS

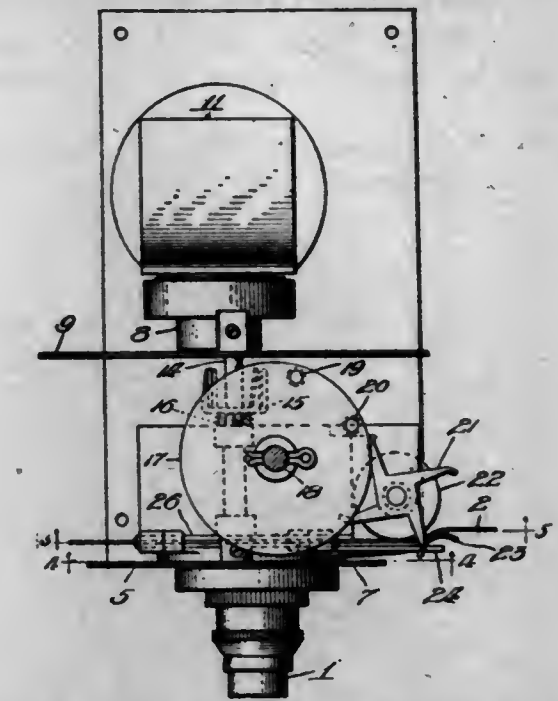
Spencer F. Monroe, New York, N. Y., assignor, by mesne assignments, to Harlan W. Yendes and Paul M. Banker

Original No. 2,347,749, dated May 2, 1944, Serial No. 380,243, February 24, 1941. Application for reissue October 11, 1944, Serial No. 558,224

13 Claims. (Cl. 95-18)

4. In a photographic apparatus, the combination with two oppositely disposed lenses; means supporting photographically sensitive material between said lenses; a shutter for each lens, each shutter having a light releasing opening to be moved into registry with its respective lens; a rotatably mounted shaft upon which said shutters are coaxially mounted so that their openings are 45° apart, the initial position of the shaft being such that the first shutter opening is substantially 45° from registry with its respective lens and the second shutter opening is substantially 90° from registry with its lens; a rotor constituting the sole actuator for said shaft; spaced fingers on the shaft; pins on the rotor angularly spaced a greater distance apart than the fingers on the shaft, the relative positions of the shaft and the rotor and the relation between the spacings of the fingers and pins being such that when the rotor is rotated, the pins successively engage

the fingers and produce successive 90° rotations of the shaft during the first of which the first shutter opening is moved past its lens and the second shutter opening is moved into full registry



with its lens, the second rotation of the shaft moving the second shutter to disalign its opening and the respective lens for terminating its exposure; and means for operating the rotor.

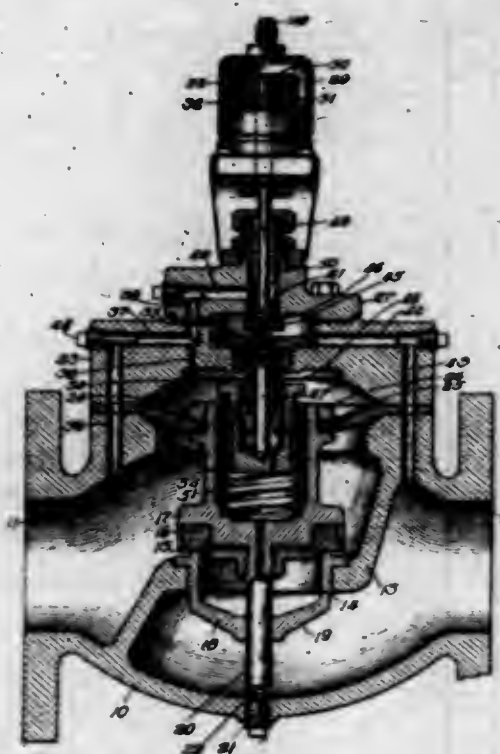
PATENTS

GRANTED OCTOBER 23, 1945

2,387,225

MODULATING VALVE

Henry L. Beckley, Glen Ellyn, Ill., assignor to Electrimatic Corporation, a corporation of Illinois
Application November 30, 1942, Serial No. 467,299
9 Claims. (Cl. 137-153)



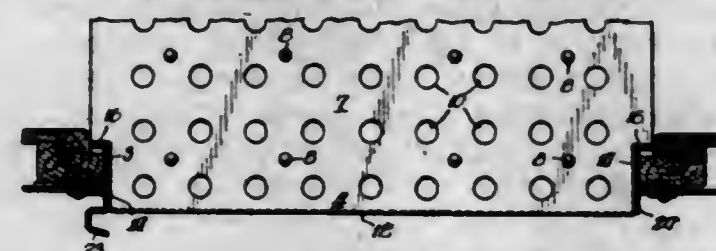
2. A modulating valve of the character described adapted to control the flow of fluid under pressure, including: a valve body having an inlet and an outlet and a partition separating them, the partition having a main flow opening there-through; a main valve member arranged to control flow through the opening; a control chamber; a movable actuating member having one side subject to the pressure in the control chamber and its other side subject to inlet pressure; means connecting the actuating member and the valve member; a passageway connecting the control chamber to the inlet; a second passageway for venting pressure in the control chamber; an orifice means forming part of one of the passageways, said orifice means being fixedly positioned; a pilot valve for controlling flow through said orifice means so as to vary the pressure in the control chamber; control means affecting the position of said pilot valve, said control means including yieldable force applying means operative on the pilot valve to actuate it in one direction; and yielding means operatively connecting the main valve and the pilot valve, the connection being such that initial movement of the pilot valve in a certain direction causes movement of the main valve in a direction such that forces are developed in and transmitted through the connection opposing movement of the pilot valve in the initial direction, whereby movement of the main valve toward and away from the main flow opening affects flow through the passageway having said pilot valve controlled orifice means therein.

564

2,387,226

FLOOR PROTECTING SHEET FOR RAILWAY CARS

Charles D. Bonsall, Chicago, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application August 25, 1943, Serial No. 500,182
4 Claims. (Cl. 105-422)

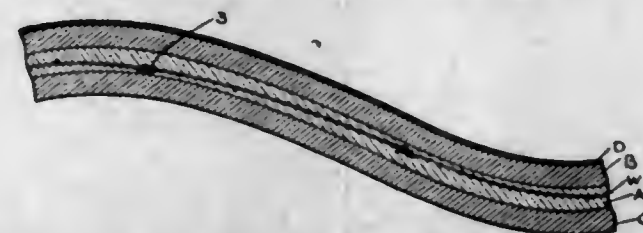


1. In a railway car having spaced apart door posts and weather strips secured thereto with a doorway therebetween and a wooden floor, said floor extending between said posts and weather strips to form a threshold for the doorway; a floor protecting sheet covering said floor and provided with apertures therein so that the car lading may be secured to said flooring through said apertures, said protecting sheet extending between said door posts and weather strips to protect said threshold and extending beyond said door posts and being downwardly turned to provide a protecting flange for the outer edge of the threshold, said protecting sheet provided with upstanding flanges secured to the sides of the door posts facing the doorway and to said weather strips, and other upstanding flanges secured to the sides of the door posts facing the interior of the car.

2,387,227

SHATTERPROOF PLASTIC

Bjorn Andersen, Maplewood, and Ernest Schweizer, East Orange, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
Application March 20, 1942, Serial No. 435,490
3 Claims. (Cl. 154-2)



1. Process for the preparation of shaped plastic composite material having high resistance to shattering from bullet impact, which comprises molding into a three-dimensional shape a composite material comprising a layer of relatively soft plastic material, having embedded therein an open mesh wire fabric the wires of which have crimps along the length thereof, and a layer of harder plastic material at a temperature which causes said relatively soft plastic material to soften so as to permit the wire fabric to float during the molding operation, whereby the molding into a three-dimensional shape is effected without snapping the wires and without producing stresses in said composite material.

OCTOBER 23, 1945

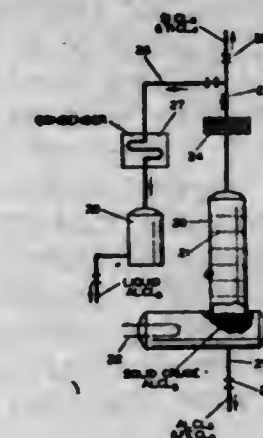
U. S. PATENT OFFICE

565

2,387,228

METHOD OF PURIFYING ANHYDROUS ALUMINUM CHLORIDE

Phillip M. Arnold, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 10, 1942, Serial No. 454,327
3 Claims. (Cl. 23-93)

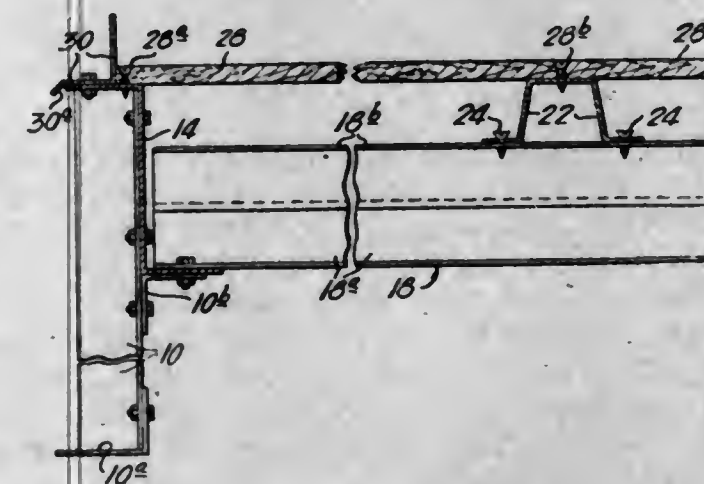


1. The process of separating aluminum chloride from a mixture comprising aluminum chloride, ferric chloride, silicon tetrachloride, and titanium tetrachloride which comprises the steps of charging said mixture into a vessel, maintaining a superatmospheric pressure in said vessel, melting the contents thereof, and subjecting said mixture to fractional distillation to remove gaseous silicon and titanium tetrachlorides, separating a liquid mixture comprising aluminum chloride and ferric chloride as a bottom product of said distillation, further fractionally distilling said liquid mixture under superatmospheric pressure to separate the ferric chloride as a liquid product, and recovering relatively pure aluminum chloride.

2,387,229

PREFABRICATED METAL HOUSE CONSTRUCTION

Claude I. Auten, Birmingham, Ala., assignor to Tennessee Coal, Iron and Railroad Company, Birmingham, Ala., a corporation of Alabama
Application February 2, 1944, Serial No. 520,810
4 Claims. (Cl. 189-34)

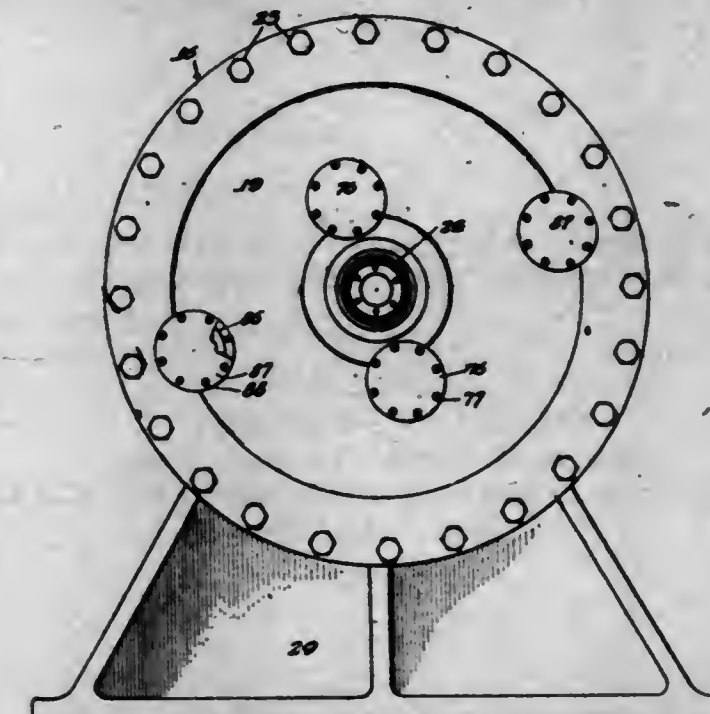


1. Prefabricated house construction comprising a floor supporting substructure including a marginal Z-shaped sheet metal sill having top and bottom horizontal flanges connected by an upright web, a metal floor supporting assembly resting at its ends directly on the bottom flange of said sill, an angle member secured to the top member of said sill, upright wall supports secured to the vertical leg of said angle member, and flooring panels resting at their outer ends directly upon the top flange of said sill and in abutting relation to the upright leg of said angle member, said floor supporting assembly including joists having pressed metal

purlins secured thereto upon which the intermediate portions of the flooring panels directly bear.

VARIABLE-SPEED HYDRAULIC COUPLING

George E. Bock, Chicago, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application March 23, 1944, Serial No. 527,770
27 Claims. (Cl. 192-61)



1. A variable speed hydraulic coupling comprising a rotatable cylindrical casing element provided with driving means therefor and adapted to contain a partial filling of liquid and in connection with drive thereof to have the liquid flung outwards around its side wall so that it forms a ring-shaped body around a central core of air; a driven element; a gear pump variety power transmission mechanism between the two elements, embodying a gear disposed in the casing element and connected to one of the elements, a planetary pinion in mesh with the gear, and a rotary carrier in the casing element connected to the other element, provided with a pinion retaining cavity facing the gear, having an inlet duct leading to the suction side of the pinion and provided with a liquid receiving branch leading from the outer portion of the casing interior and a constantly open air receiving branch leading from the central portion of the casing interior, and also having an outlet duct between the pressure side of the pinion and the casing interior; a valve mounted on the carrier and adapted to control the liquid receiving branch of the inlet duct; a second valve mounted on the carrier and adapted to control the outlet duct; and conjoint control means for the valves arranged so that the first mentioned valve is brought into its closed position when the second mentioned valve is brought into its open position.

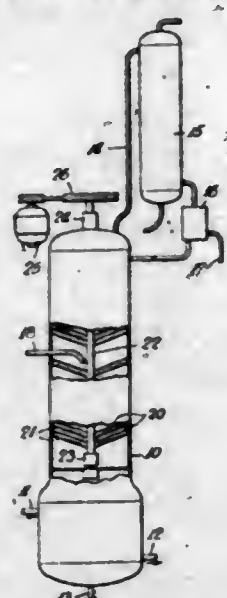
2,387,231

FRACTIONATING COLUMN

Robert Roger Bottoms, Crestwood, and James H. Bowden, Louisville, Ky., assignors to National Cylinder Gas Company, Chicago, Ill., a corporation of Delaware
Application May 28, 1943, Serial No. 488,918
8 Claims. (Cl. 261-89)

1. In a fractionating column, the combination comprising a shell, and a series of downwardly dished trays coaxially arranged in said shell in superposed relationship, and annularly corru-

gated to define alternate ridges and troughs, each of said trays having a series of annularly ar-



anged apertures in each of their troughs, and means for rotating said trays in unison.

2,387,232

CARRYING POCKET

Martin H. Brede, Denver, Colo.

Application January 3, 1944, Serial No. 516,869

2 Claims. (Cl. 224-5)



1. An auxiliary pocket structure comprising: a flat, relatively rigid horizontal member and a pocket supporting pad depending from the mid-portion of said horizontal member, the opposite extremities of said horizontal member having inwardly extending slots to receive the edges of a garment opening.

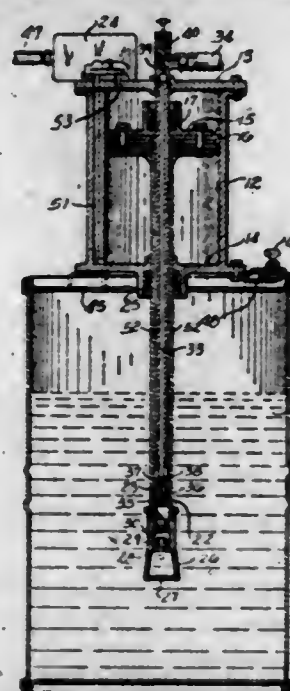
2,387,233

DISPENSING PUMP

Kenneth S. Clapp, Shaker Heights, Ohio

Application January 28, 1943, Serial No. 473,797

9 Claims. (Cl. 222-334)



1. A pump for dispensing viscous material from a container, said viscous material contain-

ing air pockets and said pump comprising a fluid motor having a stationary part and a movable part positioned above said container, a pump piston secured to the stationary part of the fluid motor and extending downwardly into the container, a movable pump cylinder connected to the movable part of the fluid motor and extending downwardly into the container, said pump cylinder surrounding said pump piston and having its free end extending therebeyond to form a pressure chamber, said free end of the pump cylinder having an intake opening and being movably plungeable into said viscous material, whereby the plunging of the free end of the pump cylinder into the viscous material works air pockets out of the viscous material and forcibly packs the viscous material substantially free of air pockets into the intake opening of the pump cylinder to aid in feeding the pump cylinder, and conduit means for discharging viscous material from the pressure chamber to the outside of the container.

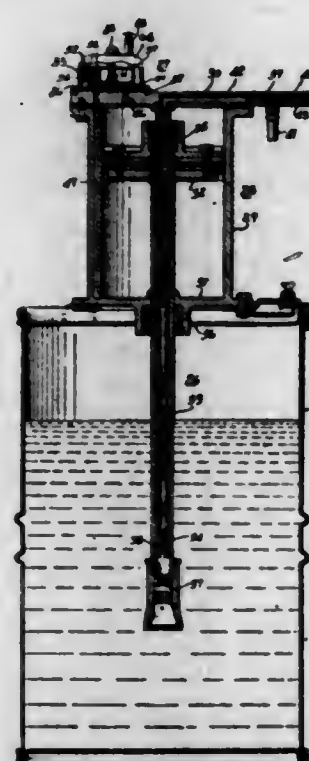
2,387,234

FLUID CONTROL VALVE MECHANISM

Kenneth S. Clapp, Shaker Heights, Ohio

Application January 29, 1943, Serial No. 473,976

12 Claims. (Cl. 121-147)



1. A fluid motor having a piston reciprocally mounted within a cylinder, a valve mechanism governing the reciprocation of said piston, said valve mechanism being actuated by the fluid which reciprocates the said piston, said valve mechanism having by-pass means to vent fluid to atmosphere for permitting said valve mechanism to continue to be actuated by said fluid when the flow of fluid to said piston is arrested by said valve mechanism.

2,387,235

APPARATUS FOR ORIENTING AND ACCUMULATING ELONGATED ARTICLES

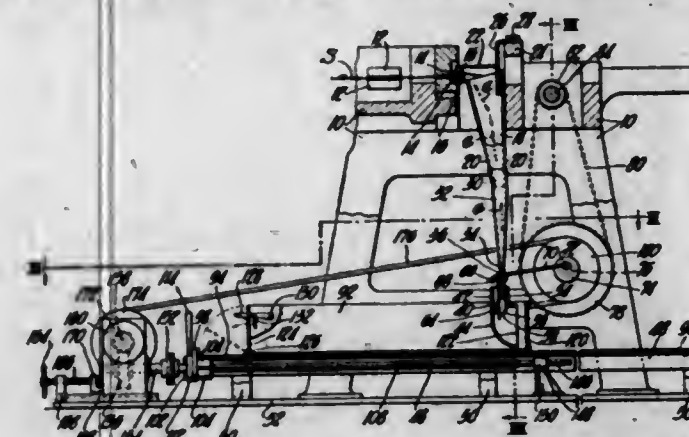
Robert Clark, Parma, and Henry R. Patterson, Shaker Heights, Ohio, assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application July 15, 1944, Serial No. 545,176

8 Claims. (Cl. 10-163)

7. The combination with means for delivering elongated articles in succession in horizontal position, of a collecting member having a restricted throat portion to receive said articles, means for

agitating the articles contained in said throat portion, a horizontally-disposed box-like container into which said collecting member extends, the bottom wall of said member being inclined and terminating substantially at the plane of the inner face of the bottom horizontal wall of the container, means for gradually feeding the container away from the collecting member, and



means for varying the rate of feed of said feeding means so as to coordinate the feed with precision to the rate at which articles are accumulated in the container, whereby the lading portion of the container between the collecting member and the upright end wall remote from said member is kept substantially filled to capacity with articles disposed in horizontal parallel relation to one another.

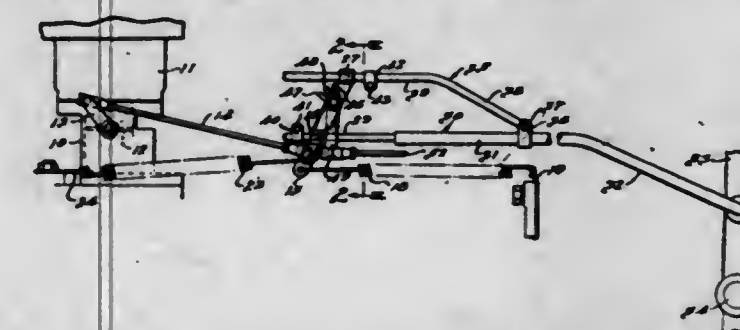
2,387,236

SPEED CONTROL FOR ENGINES

Walter P. Cousino, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application February 19, 1944, Serial No. 523,162

7 Claims. (Cl. 74-472)



1. In combination, means for feeding fuel to an engine including a valve movable in a certain direction from an idle position to an open position and in the opposite direction from the open position to the idle position, a control member for a transmission associated with the engine shiftable in one direction from neutral to a first drive-transmitting arrangement and in another direction from neutral to a second drive-transmitting arrangement, and means connecting the control member and the valve for causing shifting of the control member from neutral to the first drive-transmitting arrangement or from neutral to the second drive-transmitting arrangement to move the valve in the said certain direction from idle position toward open position, said connecting means comprising a part pivoted at a mid point, link means connecting the control member and portions of the part at opposite sides of its pivot for causing shifting of the control member from neutral to the first drive-transmitting arrangement or to the second drive-transmitting arrangement to move the part angularly in a certain direction from a first position to a second position, an arm pivoted adjacent the part, means connecting the arm and the valve of the fuel-feeding means, relatively strong resilient means urging the part from the second position to the first position upon shift-

579 O. G.-37

ing of the control member to neutral either from the first drive-transmitting arrangement or from the second drive-transmitting arrangement, a lug on the part engageable with the arm to move the arm and the valve to idle position upon movement of the part to its first position due to shifting of the control member to neutral but leaving the arm and the valve free upon movement of the part to its second position due to shifting of the control member to either drive-transmitting arrangement, and relatively weak resilient means urging the arm to follow the part upon its movement to its second position for moving the valve to open position.

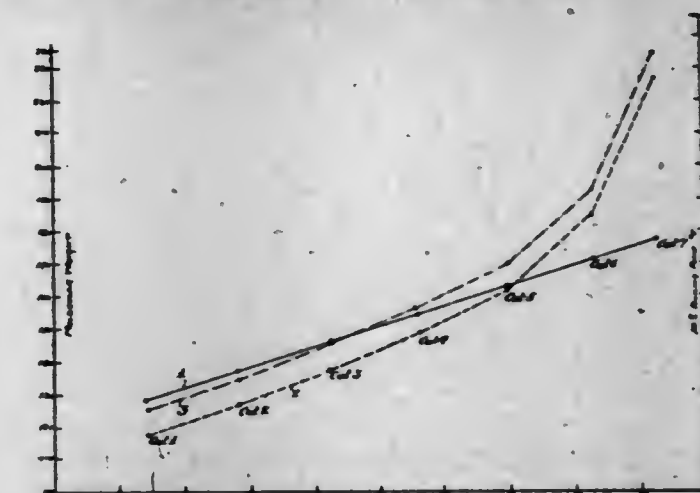
2,387,237

CATALYTIC POLYMERS FROM HIGH BOILING UNSATURATED PRODUCTS OF PETROLEUM PYROLYSIS

Waldo C. Ault, Peoria, Ill., assignor to the United Gas Improvement Company, a corporation of Pennsylvania

Application April 1, 1941, Serial No. 386,232

11 Claims. (Cl. 260-80)



1. A process for producing a hydrocarbon resin from a hydrocarbon oil which has been physically separated from tar produced in the vapor phase pyrolysis of petroleum oil and which is free from and of greater volatility than the pitch of said tar, said hydrocarbon oil containing in addition to hydrocarbons boiling between 210° C. and 350° C. which are not polymerizable by the application to said oil of heat alone but which are polymerizable to catalytic resin polymer by treating said oil with a resin-producing catalyst, other hydrocarbons boiling between 210° C. and 350° C. which are polymerizable to catalytic resin polymer by treating said oil with a resin-producing catalyst but which last-mentioned hydrocarbons are also polymerizable to heat resin polymer by the application to said oil of heat alone, said last-mentioned hydrocarbons being present in said hydrocarbon oil in amount greater than approximately 15% of the total unsaturation present in said hydrocarbon oil boiling between 210° C. and 350° C. as determined by bromine titration, comprising polymerizing in admixture both types of said polymerizable hydrocarbons contained in said hydrocarbon oil to form catalytic resin polymer by treating said hydrocarbon oil with a resin-producing catalyst.

2,387,238

THERMIONIC TUBE AND ANODE PLATE THEREFOR

Max Bareiss, Livingston, N. J., assignor to Tung-Sol Lamp Works Inc., Newark, N. J., a corporation of Delaware

Application September 3, 1943, Serial No. 501,086

22 Claims. (Cl. 250-27.5)

2. In a thermionic tube, an anode of cylindrical shape embodying a multiplicity of narrow strips

formed integral with the body of the anode and bent over upon each other to form a dome-like closure, said cylindrical body having projecting

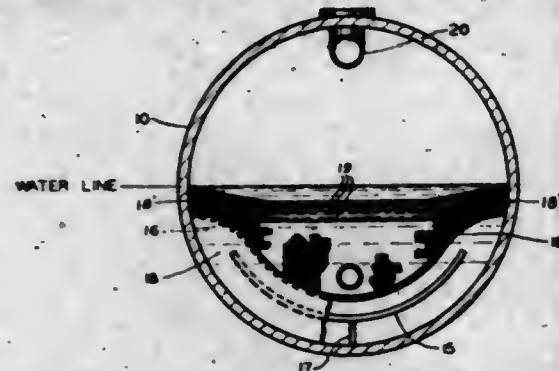


outwardly therefrom a plurality of fins, one of said fins extending up beyond the base of the dome and a support for the anode fastened thereto.

2,387,239

BOILER STEAM RAFFLING AND DRY PIPE
Claude A. Bonvillian, United States Navy, and Ralph C. Brierly, Narberth, and Samuel Letvin, Philadelphia, Pa.

Application September 24, 1942, Serial No. 459,509
8 Claims. (Cl. 122-491)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

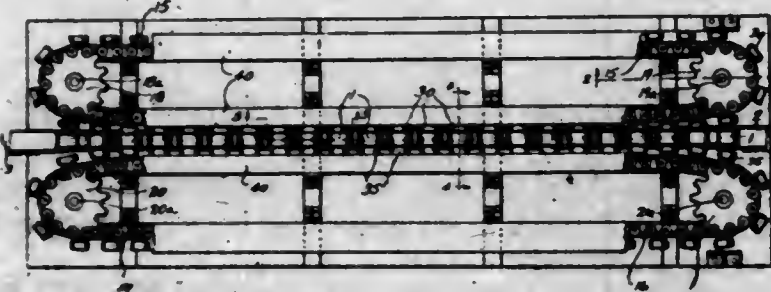


1. In a vapor generator having an elongated drum and vapor generating tubes having their discharge ends connected to the drum below the normal liquid level therein, an imperforate baffle extending longitudinally in the drum to a point short of one end of the drum, said baffle being spaced from the inner wall of the drum and from the discharge ends of some at least of the vapor generating tubes and disposed in the path of flow of the vapor and liquid mixture discharged from said tubes, said baffle being constructed and arranged to provide an outlet for the flow of vapor and liquid mixture from below the baffle, a perforated baffle extending longitudinally in the drum above the imperforate baffle and in spaced relationship thereto and in the path of flow of the vapor and liquid mixture flowing upwardly from below the imperforate baffle, both of said baffles being disposed below the normal liquid level in the drum, and an imperforate end plate extending transversely to the longitudinal axis of the drum at the end of the baffles adjacent said one end of the drum and extending between the perforate baffle and the inner wall of the drum.

2,387,240

FISH CANNING MACHINERY
Edward M. Borg, Seattle, Wash.

Application July 13, 1942, Serial No. 450,701
4 Claims. (Cl. 100-36)

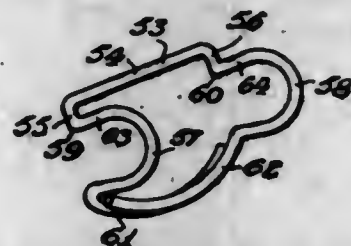


1. In a machine of the character described, a conveyor guiding and supporting rail, belt guides at opposite ends of the rail, an endless conveyor

belt operable over the said guides and upon the said rail, and comprising hinged links; adjacent links being equipped with parts coacting to form can seats and adapted to open apart in the passing of said links about said belt guides, means for driving the belt, means for placing filled, unclosed cans in the open seats at one end of the rail, for conveyance along the rail, a pair of endless belts operable along the guide rail at opposite sides of the conveyor belt, abutments on one belt for engaging the closed ends of conveyed cans, plungers on the other belt arranged to enter the open ends of the cans and press against the contents thereof, and cam rails for guiding said belts to cause the abutments to hold the cans in their seats and the plungers to apply pressure against the cans' contents.

2,387,241

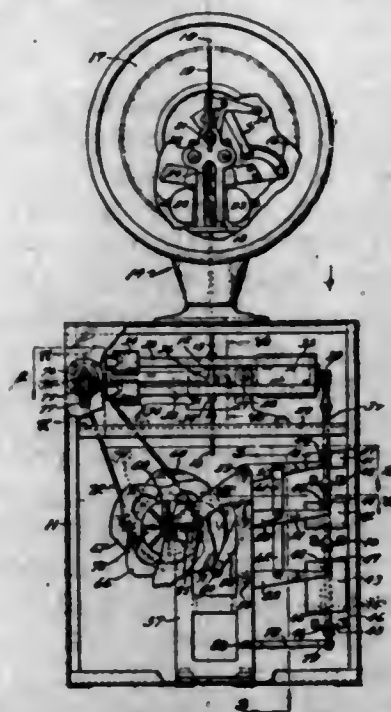
TROUGH SUPPORTING MEANS
Charles P. Boyd, Kennett Square, Pa.
Application February 29, 1940, Serial No. 321,535
3 Claims. (Cl. 248-48.1)



3. A trough securing clip comprising spaced hooks, a base member disposed between said hooks, a spacer member disposed intermediate said base member and one of said hooks, and connecting arms extending from said hooks and adapted to engage a trough supporting arm.

2,387,242

MULTIPLE CAPACITY WEIGHING SCALE
Oswald S. Carliss, Fairfield, Conn., assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application July 18, 1942, Serial No. 451,381
9 Claims. (Cl. 265-48)

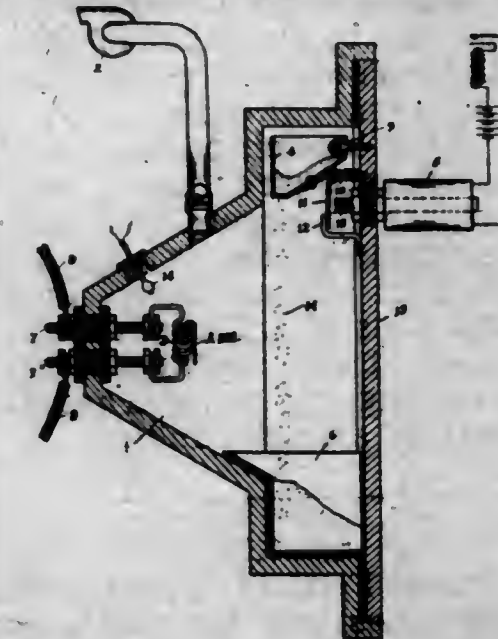


1. In a weighing scale having normal load counter-balancing mechanism, unit weight apparatus for increasing the weighing capacity of the scale, including in combination with auxiliary balancing instrumentalities operatively associated with said mechanism, a plurality of unit weights, receivers carried by said instrumentalities arranged in a vertical row and affording supports for said unit weights, a plurality of weight lifting arms constructed and arranged to be moved in a path to deposit and remove said

unit weights with respect to said receivers, a control handle, cams arranged in a horizontal row connected to be rotated by said control handle, and cam followers respectively connected to said lifting arms in a manner to raise the latter and be weighted respectively thereby in a direction to be urged constantly and respectively against said cams.

2,387,243

FLAKE FOR DECORATIVE AND PROTECTIVE COATINGS
Wilbur W. Castor, Mount Lebanon, Pa.
Application November 4, 1941, Serial No. 417,867
4 Claims. (Cl. 106-290)



4. As a pigment for coating compositions, discrete particles of mica having a thin layer consisting of aluminum, adhered to their surfaces by deposition, said pigment possessing leafing properties.

2,387,244

TABLET AND METHOD OF DISSOLVING SAME

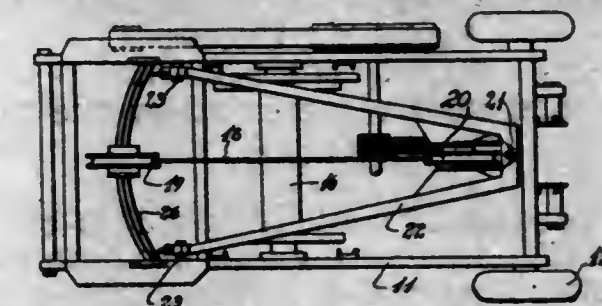
Walter A. Compton and Joseph M. Treneer, Elkhart, Ind., assignors to Miles Laboratories, Inc., Elkhart, Ind., a corporation of Indiana
No Drawing. Application June 19, 1942, Serial No. 447,706
7 Claims. (Cl. 252-408)

1. A normally self-sustaining heat-generating compressed sugar-testing tablet comprising homogeneously mixed dry powdery materials including a quantity of anhydrous alkali metal hydroxide in quantity in excess of that reactive with all the remaining ingredients of the tablet and in quantity to generate heat for effecting the test, anhydrous cupric sulfate, acid for the sugar test selected from the group consisting of citric and tartaric acids, and an effervescent couple consisting of acid selected from the group consisting of citric and tartaric acids and of carbonate salt selected from the group consisting of alkali metal carbonate and alkali metal bicarbonate, said tablet being adapted to be placed in a liquid specimen to be tested for reducing sugar, which specimen may contain an ingredient tending to deposit upon and retard dissolution of the tablet, said couple functioning to generate gas and break up the tablet while the material of the tablet is dissolving in said liquid specimen and is raising the temperature of said specimen to effect said test by forming cuprous oxide, the generation of gas avoiding exercise of any tendency of any ingredient of the specimen to deposit upon any mass of the tablet and retard its dissolution, whereby the dissolution is hastened and the attained temperature is higher by avoiding loss of heat through shorter time for dissolution.

2,387,245

SPOOLING DEVICE

Trevor O. Davidson, Milwaukee, and Roger Sherman Hoar, South Milwaukee, Wis., assignors to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application July 12, 1943, Serial No. 494,280
11 Claims. (Cl. 254-190)
2. A spooling device, comprising: a first sheave;

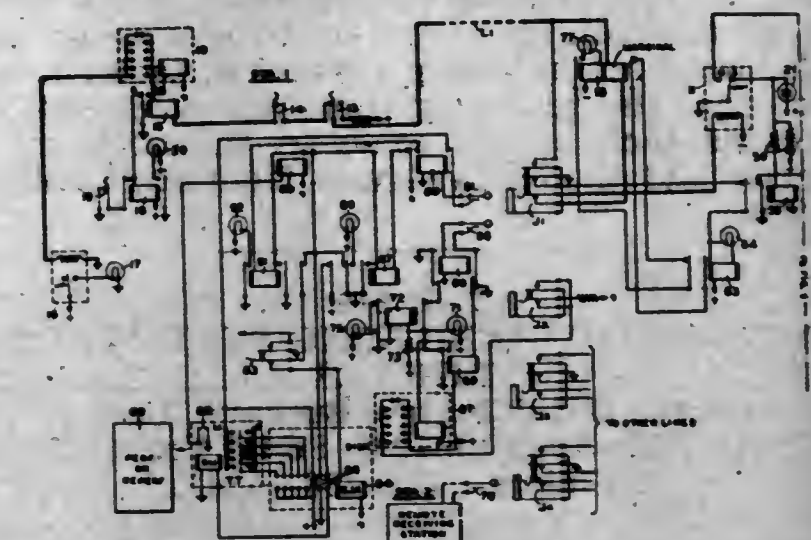


a fixed position drum; a floating sheave; and means constraining the floating sheave to follow such a path that, with a rope extending from the drum around the floating sheave and thence around the first sheave, the reach of rope from the drum to the floating sheave will always lie substantially in a plane perpendicular to the axis of the drum, and the floating sheave will always lie perpendicular to its path and substantially in the plane of the two reaches of rope which extend from it; the constraining means comprising a properly curved and oriented rod; and a bushing for the floating sheave to rotate upon, said bushing having a central hole, curved to fit the rod, and keyed to the rod for sliding thereon but constrained against rotation thereabout.

2,387,246

TELEGRAPH EXCHANGE SYSTEM

Eugene A. Demonet, Short Hills, N. J., and William B. Blanton, Merriek, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application September 23, 1941, Serial No. 411,948
9 Claims. (Cl. 178-4)



1. A telegraph exchange system comprising a main office, telegraph trunks or channels terminating at said office, a branch office from which the majority of the messages are to be sent over a particular one of said trunks or channels, a printer at said branch office, means including signal-repeating equipment and automatic switching apparatus at said main office responsive to predetermined incoming signals from the branch office for normally repeating all message signals transmitted from said printer over said particular one of said trunks or channels to a preselected destination and other switching means at said main office to disable said signal-repeating equipment and enable transmission of a message from said printer over another of said trunks or channels.

2,387,247

COMPOSITIONS OF MATTER AND PYROLYTIC METHODS OF SYNTHESIZING THEM

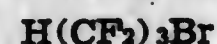
Frederick B. Downing, Carneys Point, Anthony F. Benning, Woodstown, and Robert C. McHarness, Carneys Point, N. J., assignors to Kinetic Chemicals, Inc., Wilmington, Del., a corporation of Delaware

No Drawing. Application March 17, 1942,

Serial No. 435,064

3 Claims. (Cl. 260-653)

1. The compound represented by the formula:



2. The process of converting fluoro-bromo alkanes to different fluorine and bromine containing organic compounds which comprises passing the fluoro-bromo alkane through an inert reaction tube heated to from about 600° C. to about 850° C. and separating the conversion products.

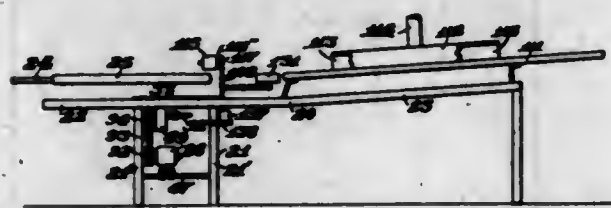
2,387,248

CONE MARKING MACHINE AND METHOD

Charles K. Dunlap and Lawrence B. Stogner, Hartsville, S. C., assignors to Sonoco Products Company, a corporation of South Carolina

Application November 28, 1942, Serial No. 467,250

16 Claims. (Cl. 117-44)



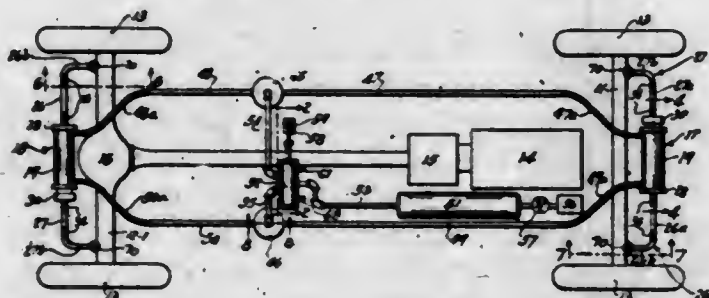
1. A method of color banding a plurality of hollow cones interested to form an elongated stick of cones, comprising advancing said stick longitudinally and intermittently to a color banding station, stopping the longitudinal movement of said stick intermittently for color banding of the cones that come successively into registry with the color banding station, rotating the cones during the banding operation to provide an annular band around the periphery of each successive cone, and repeating this cycle of operations to cause each of the cones in the stick to be banded and then move away from the banding station.

2,387,249

AUTOMATIC STABILIZING SYSTEM FOR VEHICLES

George D. Eddington, Burbank, Calif.
Application April 19, 1943, Serial No. 483,599

9 Claims. (Cl. 280-124)



1. An automatic stabilizing system for vehicles having running gears and bodies, including in combination, stabilizing means operative between a running gear and a body for regulating the position of the body relative to the running gear from time to time during travel of a vehicle; means for operating said stabilizing means; means for controlling said operating means, said

control means being responsive to the departure of said body from the horizontal; said operating means comprising a piston and cylinder arranged to react mutually oppositely on the stabilizing means, and to be actuated in common by a hydraulic medium, and means for supplying the hydraulic medium to the cylinders of said assemblies; and wherein the control means comprises a pump associated with the means for supplying the hydraulic medium and adapted to be driven in mutually opposite directions, a reversible electric motor adapted to drive said pump in either of said mutual opposite directions, a main electrical circuit in which said electric motor is connected, said circuit having two branches, keying means arranged to complete said circuit through either one or the other of said branches, completion through one branch causing said motor to rotate in one direction, and completion through the other branch causing said motor to rotate in the opposite direction, a pendulum disposed to oscillate in accordance with the off-horizontal positions of the vehicle body, means for actuating said keying means in accordance with the oscillations of said pendulum, a valve for controlling flow of the hydraulic medium, and means for actuating said valve in accordance with the oscillations of said pendulum.

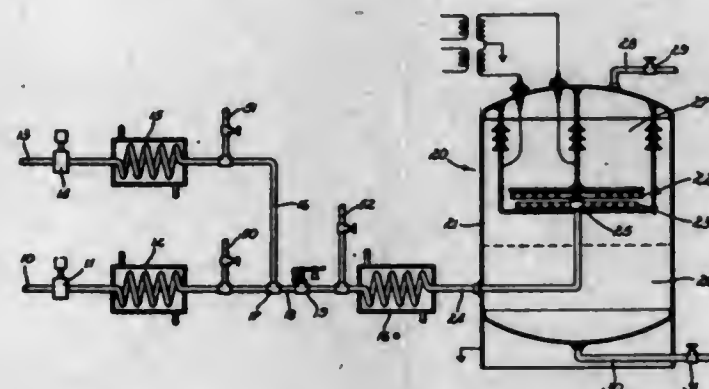
2,387,250

METHOD FOR TREATING OIL

Harold C. Eddy, Los Angeles, Calif., assignor, by mesne assignments, to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

Application April 3, 1939, Serial No. 265,699

12 Claims. (Cl. 204-190)



1. A process of purifying low water content mineral oils to remove water-soluble or water-wettable impurities contained in said oils which oils also contain naturally-occurring emulsifying agents tending to stabilize droplets of relatively fresh water when dispersed in the oil, comprising: forming an emulsion by dispersing relatively fresh water in said oil in the presence of an organic deemulsifying agent in an amount from approximately 5 to 50% of the amount required to break said emulsion in the absence of an electric field, whereby an oil-continuous emulsion is obtained, said dispersing step being performed by mixing the oil and the relatively fresh water with such intensity as to disperse this water in the oil to form droplets coexisting with original impurities; subjecting said oil-continuous emulsion to the action of an electric field of sufficient intensity to coalesce in a large measure the dispersed water and impurities; separating the electrically-treated constituents to produce a body of purified oil substantially freed from the undesired impurities and a body of substantially oil-free water comprising the impurities removed from said oil; and separately recovering the purified oil.

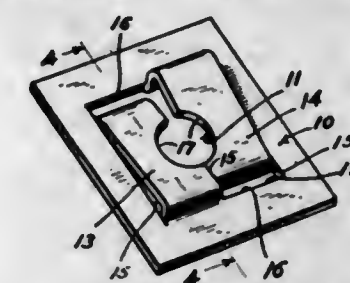
2,387,251

RESILIENT LOCK NUT

Ronald Edgar Eggert, Burbank, and Harold John Le Vesconte, Glendale, Calif., assignors to Adel Precision Products Corp., a corporation of California

Application September 6, 1944, Serial No. 553,130

20 Claims. (Cl. 85-36)



1. In a nut, a plate-like body member, and elongated elements struck out from said body member so as to lie side by side in integral formation with the body member at points spaced inwardly of margins of the body member, said elongated elements having portions intermediate their ends disposed in outwardly offset relation to the body member, said offset portions having opposed side edges between which a screw threaded member may be turned so as to have screw threaded engagement therewith.

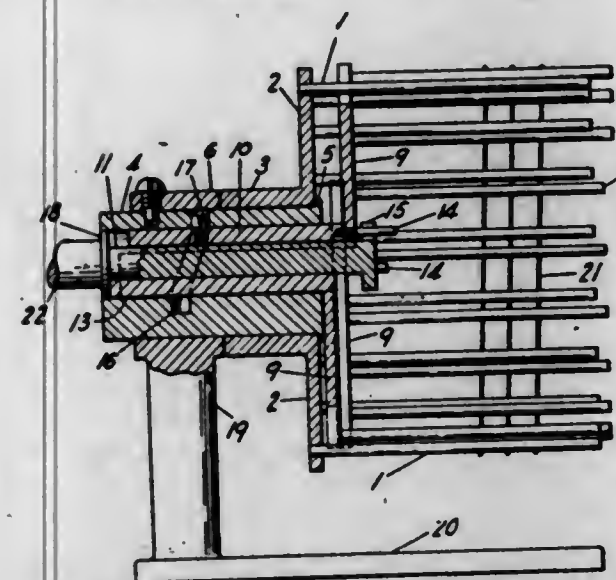
2,387,252

REELING DEVICE

William H. Furness, Haddonfield, N. J., assignor to American Rayon Company, Inc., Collingswood, N. J., a corporation of New Jersey

Application February 27, 1943, Serial No. 477,378

13 Claims. (Cl. 28-71.6)



1. Apparatus for reeling thread and advancing the thread lengthwise of the reel comprising two substantially cylindrical sets of thread-supporting members extending lengthwise of the reel; mounting mechanisms therefor, positioned in parallel relation and mounted to rotate about substantially parallel spaced apart axes; and means for moving thread-supporting members of one set relative to the thread-supporting members of the other set in a direction lengthwise of the reel, the thread-supporting members of both sets being rigidly secured to their respective mounting mechanisms.

2,387,253

KNITTING METHOD AND MACHINE

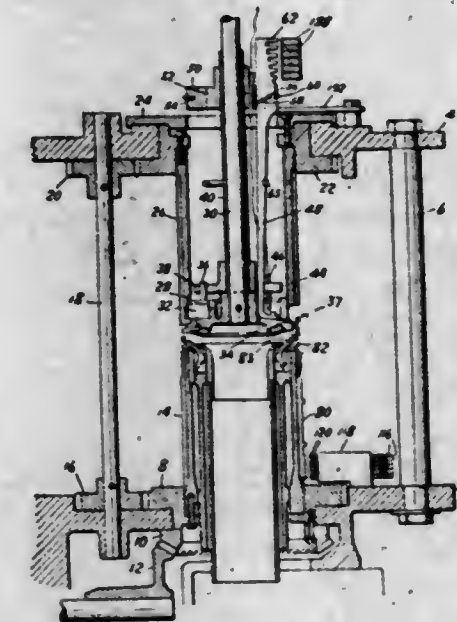
James L. Getaz, New York, N. Y., assignor to Scott and Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts

Application June 13, 1940, Serial No. 340,292

29 Claims. (Cl. 66-135)

5. A circular knitting machine of the superposed cylinder type comprising upper and lower

cylinders, double ended needles adapted to slide in said cylinders, means for selecting needles in said lower cylinder, wrap thread feeding means movably mounted within said upper cylinder, means for moving said wrap thread feeding



means across the lower needle circle, and means for cooperating with said wrap thread feeding means when so moved to cause a wrap thread to be presented to at least two selected needles in said lower cylinder during the same course of knitting.

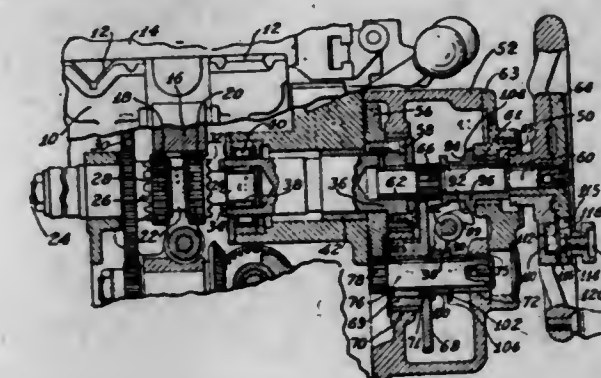
2,387,254

CONTROL DEVICE

Walter A. Gigger, Barrington, R. I., assignor to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island

Original application November 29, 1941, Serial No. 420,989. Divided and this application August 14, 1943, Serial No. 498,653

7 Claims. (Cl. 74-27)



1. A manual driving device for a machine tool support, which comprises with the support, a driving member and gear connections therefrom for driving the support, a hand wheel supported coaxially with said member, and an operating connection between the hand wheel and driving member comprising cooperating pin and slot elements located in said member and in the hand wheel, the slot having a narrowed portion providing a tight fit with the pin, and a radially disposed widened portion providing a loose fit with respect to the pin, and means for adjusting the pin radially for engagement alternatively with said widened and with said narrowed portions of the slot.

2,387,255

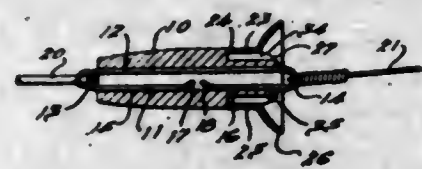
FISHING LURE

John P. Godlewski, Detroit, Mich.
Application June 25, 1943, Serial No. 492,235

4 Claims. (Cl. 43-46)

2. A fish lure comprising an elongated body, a hook fastened to the body at one end, an annular collar encircling and being secured on the

other end of the body, a water resisting means projecting outwardly from the collar for influencing action of the lure as it is pulled through



the water and comprising a concavo-convex disc centered on the collar, and a fish line connected to the lure at the end opposite the hook for pulling the lure through the water.

2,387,256

CURING PHENOL-FORMALDEHYDE RESINS
Frank J. Groten, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 9, 1940, Serial No. 365,019

6 Claims. (Cl. 260-45)

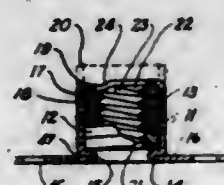
6. A process which comprises polymerizing a separately prepared permanently fusible acid catalyzed phenol-formaldehyde resin wherein the molar ratio of the phenol to formaldehyde is at least 1:1 by heating in the presence of and intimately mixed with a fusible melamine-formaldehyde resin wherein the molar ratio of formaldehyde to melamine is at least about 2:1 and wherein the ratio of phenol-formaldehyde resin to melamine-formaldehyde resin is between about 10:1 and 1:1.

2,387,257

FLANGED NUT

Otto Haas, Richmond Hill, N. Y., assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y., a corporation of New York
Application July 26, 1944, Serial No. 546,590

6 Claims. (Cl. 85-32)



1. A nut comprising a barrel and a wire coil threading, said barrel being drawn of a sheet metal blank and having a flange at one of its ends and an inwardly projecting shoulder of doubled material at the flanged end, the wire coil being inserted into said barrel so as to bear upon said shoulder and the rim of the other barrel end being turned down upon said wire coil.

2,387,258

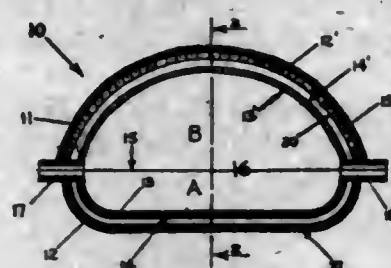
THERMAL APPLICATOR

Alfred Haguc, Ossining, N. Y.
Application May 16, 1941, Serial No. 393,803

5 Claims. (Cl. 128-403)

1. The method of applying thermal energy which comprises, screening a source of radiant thermal energy from convective or conductive matter externally thereof with a medium which is substantially non-conductive of absorbed radiant thermal energy from said source to said matter, and passing infra-red radiation from said source to the subject of application through a

solid material which is substantially transparent to wave lengths of infra-red radiation longer



than approximately 50,000 Angstrom units and shorter than approximately 200,000 Angstrom units.

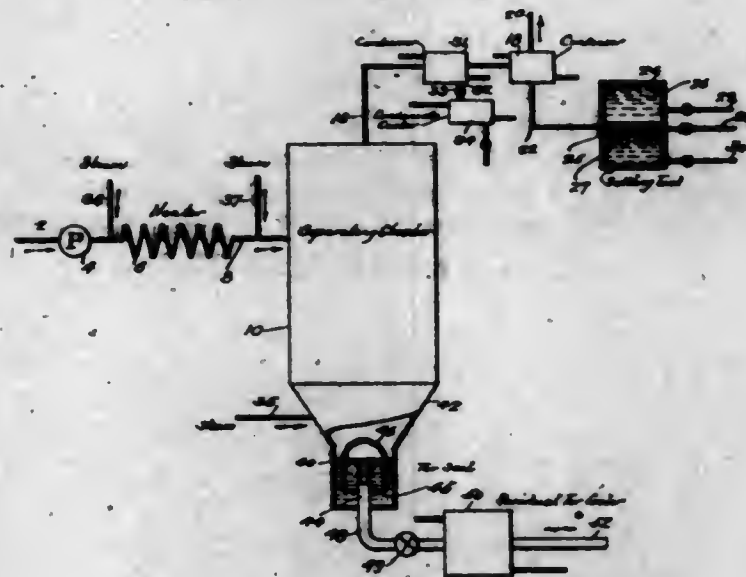
2,387,259

HIGH BOILING UNSATURATED PRODUCTS OF PETROLEUM PYROLYSIS AND HEAT POLYMERS THEREFROM

Edwin L. Hall, Manchester, N. H., and Howard R. Batchelder, Drexel Hill, Pa., assignors to The United Gas Improvement Company, a corporation of Pennsylvania

Application December 18, 1940, Serial No. 370,608

10 Claims. (Cl. 260-80)



1. A process for producing heat-polymerized hydrocarbon resin from a hydrocarbon oil which has been physically separated from tar produced in the vapor phase pyrolysis of petroleum oil and which hydrocarbon oil is free from and of greater volatility than the pitch of said tar and contains hydrocarbons boiling between 210° C. and 350° C. which are polymerizable by the application to said hydrocarbon oil of heat alone, said heat polymerizable hydrocarbons being present in said hydrocarbon oil in amount greater than 5% of the total hydrocarbon oil boiling between 210° C. and 350° C., comprising heating said separated hydrocarbon oil sufficiently to produce heat-polymerized hydrocarbon resin by the heat polymerization of said hydrocarbons boiling between 210° C. and 350° C. and which are polymerizable by the application to said oil of heat alone.

2,387,260

SPINDLE

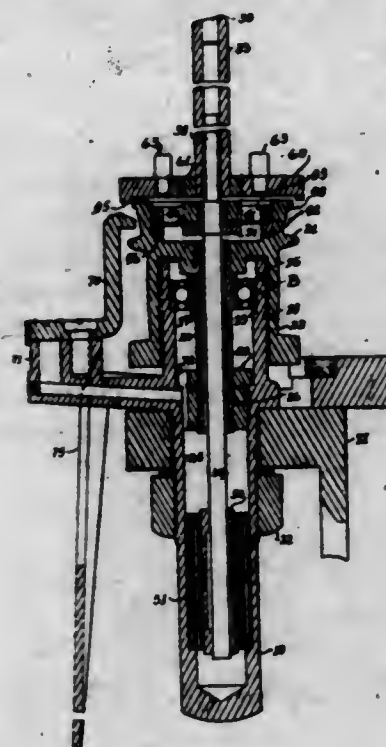
Robert Hargreaves and James Youngsma, Whitinsville, Mass., assignors to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts

Application May 24, 1944, Serial No. 537,116

4 Claims. (Cl. 57-135)

1. A spindle comprising a slightly flexible blade, a tubular yarn-package-supporting mem-

ber fixed at its upper end only to said blade and elsewhere free therefrom, a flexible diaphragm clamped to an intermediate part of said blade and below said tubular supporting member, a belt-driven whorl for said spindle, means to clamp the periphery of said diaphragm to an upward annular extension of said whorl, a depending inner whorl sleeve fixed at its upper end to an upper part of said whorl and supporting said whorl, a fixed spindle base having a tubular upward extension, a ball bearing for said whorl having its inner race fixed to an intermediate portion of said whorl sleeve and abutting an overlying shoulder thereof and having its outer race slidably insertable in an enlarged recess



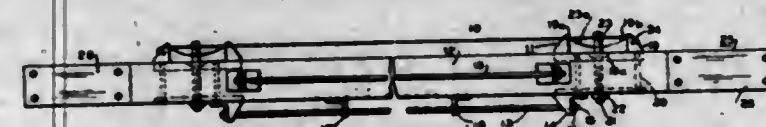
at the upper end of said upward base extension and seated against an underlying shoulder therein, said ball bearing being effective both as a radial bearing and as a thrust bearing and forming the only vertical support for said whorl, blade and yarn package, a bushing loosely but non-rotatably insertable in said base and providing a relatively loose cylindrical bearing for the lower part of said depending whorl sleeve, and a relatively loose cylindrical bearing member for the lower end of said blade, which member is mounted for yielding transverse movement in the lower end portion of said spindle base, and said blade being at all times free of contact with said driving whorl and said depending whorl sleeve.

2,387,261

MEANS FOR GLUING

Lloyd Q. Harris, Brevard, N. C., assignor to Ecusta Paper Corporation, a corporation of Delaware
Application December 3, 1941, Serial No. 421,443

3 Claims. (Cl. 91-62.5)



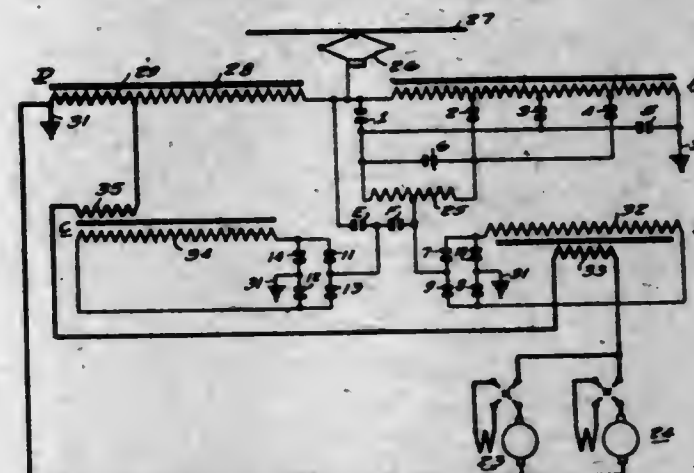
1. A glue applicator of the character described comprising an elongated base member, support members arranged on the respective end portions of said base member, a wire applicator member tightly stretched in spaced parallel and longitudinal relation to said base member between said support members, and bracing means extending closely adjacent to and longitudinally of said base member for preventing distortion thereof.

2,387,262

CONTROL SYSTEM

Lloyd J. Hibbard, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 25, 1944, Serial No. 551,129

10 Claims. (Cl. 171-119)



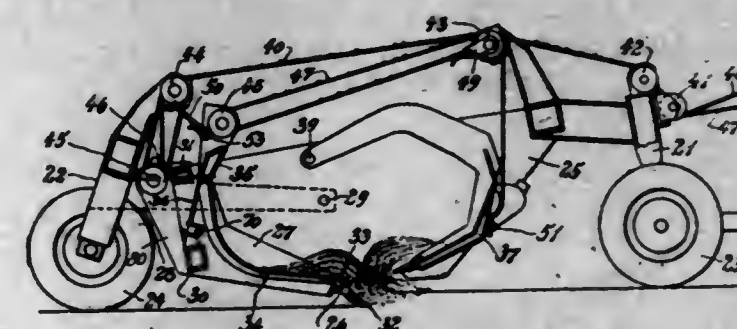
1. In a control system, in combination, a regulating transformer having a plurality of taps on the high tension winding thereof, a plurality of buck-boost transformers having primary windings and secondary windings, a plurality of tap-changing switches operable in sequential relation to connect said primary windings to said high tension taps in a predetermined sequence to vary the voltage of the secondary windings, and means for causing said secondary windings to be connected first in differential-series and then in cumulative-series relation.

2,387,263

WHEELED SCRAPER

Roger Sherman Hoar, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application July 11, 1941, Serial No. 401,939

6 Claims. (Cl. 37-126)

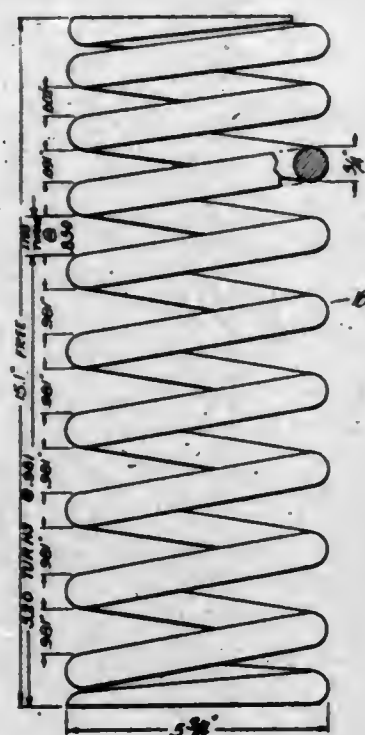


1. In a scraper, having: ground support; a main frame, supported thereby in such manner as to be raisable and lowerable with respect to the ground; a digging blade, carried by the main frame; a dumping and dirt-holding bowl, pivoted to the main frame adjacent the blade; a front apron, pivotally supported by the main frame, and adapted when lowered, to retain dirt within the bowl; and means to raise the main frame and thereby the blade; the combination therewith of: interlocking rope means, operatively connecting the apron to the main frame, to one of the ground supports, and to the bowl, in such a way that whenever either the main frame is lowered, or the bowl is moved to dump, this motion will raise the apron; and that a reach of this rope extends rearwardly from the bowl to some other portion of the scraper with respect to which other part the bowl is relatively movable during dumping, thus tending to initiate the return of the bowl from dumping position to dirt-holding position, this reach being applied to the bowl at such a point and at such an angle as to have a tendency, when the bowl is in dirt-holding position, to assist rather than oppose the dumping means.

2,387,264

VEHICLE SPRING

Cyrus J. Holland, Chicago, Ill., assignor to Holland Company, a corporation of Illinois
Application November 3, 1941, Serial No. 417,661
8 Claims. (Cl. 267-61)



1. In a vehicle spring suspension, a coil spring having uniform inside and outside diameters throughout its length and made from stock of uniform cross-section throughout its active length, the pitch of certain of said turns being greater than others and being such that the effective static deflection of the spring will be constant for variable loads with its load deflection curve conforming to the formula $x=k \log_e y+c$.

2,387,265

SPRING FOR VEHICLES

Cyrus J. Holland, Chicago, Ill., assignor to Holland Company, a corporation of Illinois
Application November 3, 1941, Serial No. 417,662
5 Claims. (Cl. 267-47)



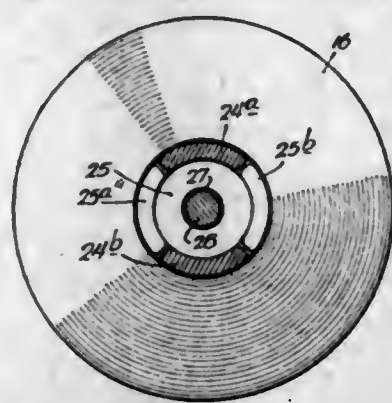
1. In a spring suspension, a semi-elliptic multi-leaf spring, the leaves of said spring being graduated and of substantially the same width, a band engaging the central portion of the leaves for holding them assembled, said band having a base portion extending to opposite sides of the band and spaced from the adjacent leaf, whereby when said spring is compressed said adjacent leaf will engage more and more of said base portion as the flexure of the spring increases, the camber and stiffness of the leaves being such relative to the cooperating face of the base that, at least between near minimum and near maximum static loading of the spring, the effective length of the spring changes in such manner that the spring follows a load deflection curve that is substantially in accord with the formula $x=k \log_e y+c$ in which

x =deflection,
 k =static deflection as defined,
 y =load,
 c =a constant.

2,387,266

VEHICLE SUSPENSION

Cyrus J. Holland, Chicago, Ill., assignor to Holland Company, a corporation of Illinois
Application November 17, 1941, Serial No. 419,445
10 Claims. (Cl. 267-3)



1. In a spring suspension, a resilient unit comprising a plurality of spring sections, each section including two sets of nested concavo-convex disc springs, the concave side of one set facing the concave side of the cooperating set, the peripheral edge of one set engaging the peripheral edge of the cooperating set, certain of the discs being of less thickness than others, the discs being dimensioned in thickness and assembled in order in accord with the formula $x=k \log_e y+c$ in which

x =deflection,
 k =static deflection as defined,
 y =load,
 c =a constant,

whereby the frequency of vibration of the unit will remain substantially constant for all loads.

2,387,267

OPERATION OF CATALYTIC PLANTS

Eugene J. Houdry, Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 10, 1941, Serial No. 392,953
9 Claims. (Cl. 196-52)

1. In the operation of plants for conducting chemical reactions promoted by catalysts operated alternately on-stream and in regeneration with the catalysts disposed in a plurality of converters divided into groups for sequential on-stream periods to permit continuous production of desired reaction products, the method of isolating converters for repairs, changing of catalyst, etc. with minimum interference with plant production and operation which comprises cutting one converter at a time out of the plant cycle, rearranging the grouping of the converters to provide more groups with fewer converters in each group and reducing the on-stream period for each group without reducing the period of regeneration for each converter.

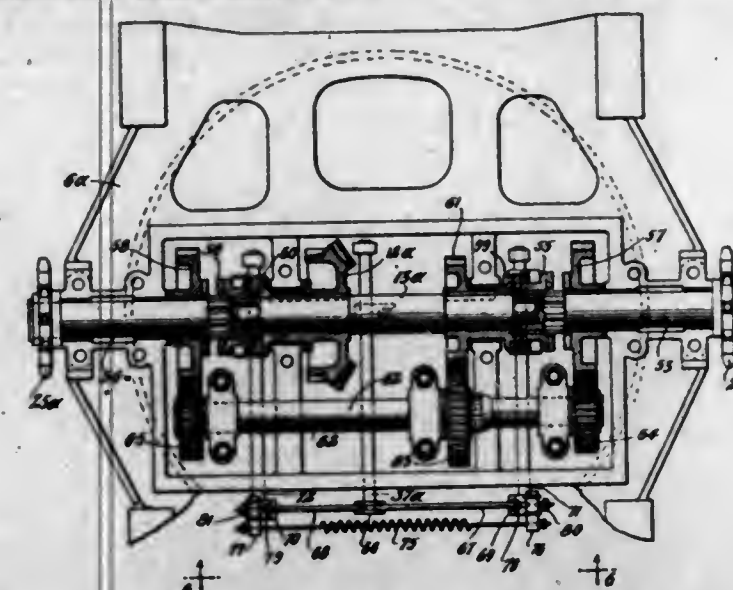
2,387,268

CRAWLER DRIVE MECHANISM

William M. Huston and Cecil E. Jones,
Lima, Ohio
Application August 14, 1942, Serial No. 454,792
11 Claims. (Cl. 180-9.2)

1. In a machine adapted to travel on a pair of crawler treads, said machine having a crawler truck, a rotating base mounted on said truck, and a power unit carried by the rotating base, drive mechanism for said crawler treads including a vertical shaft driven by said power unit and extended downwardly from the rotating base to the

crawler truck, a transverse shaft mounted in the truck and geared to said vertical shaft to be driven therefrom, right-hand and left-hand shafts adapted respectively to drive the right- and left-hand treads, the right- and left-hand shafts being mounted in alignment with the transverse shaft, disconnectible clutches for cou-

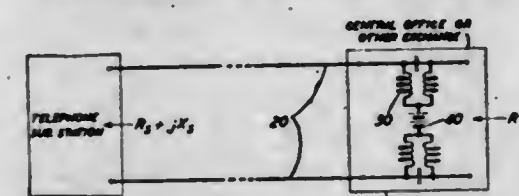


pling the right- and left-hand shafts with said transverse shaft to provide for drive of the two treads at the same rate, and a disconnectible power transmission connected with the transverse shaft having a different drive ratio and being adapted to be coupled with either of said right- and left-hand shafts.

2,387,269

TELEPHONE SYSTEM

Kenneth S. Johnson, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 24, 1942, Serial No. 463,184
26 Claims. (Cl. 179-31)



1. The combination with a telephone exchange and a telephone line connecting at one end with the exchange, the impedance of which line looking into the other end of the line may be of some value between relatively wide limits, of a subscriber's substation connected to said other end of the line for transmitting and receiving telephone signal currents to and from the line, and a source of substantially constant electromotive force connected to said line for producing in said line a control current distinct from the telephone signal currents and dependent on said line impedance, said substation including a transmitting circuit, a receiving circuit and means comprising a line balancing network adapted to render said circuits conjugate, the line balancing network including impedance means automatically under influence of said control current, adjusting in resistance substantially in accordance with the absolute impedance of the line.

2,387,270

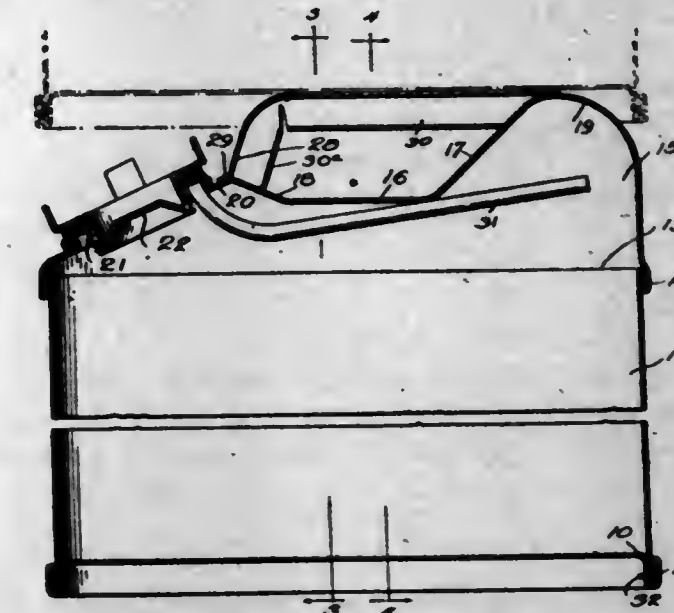
CONTAINER

William B. Johnson, United States Army,
Easley, S. C.

Application July 7, 1944, Serial No. 543,934
4 Claims. (Cl. 220-97)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)
1. A container including a top portion having a top wall, an inclined wall, and an inwardly-

spaced horizontal wall, a plurality of handles and each having one terminal thereof secured to the top wall and the upper terminal of the inclined wall, the opposed terminal of each handle being supported in spaced relation to the hori-

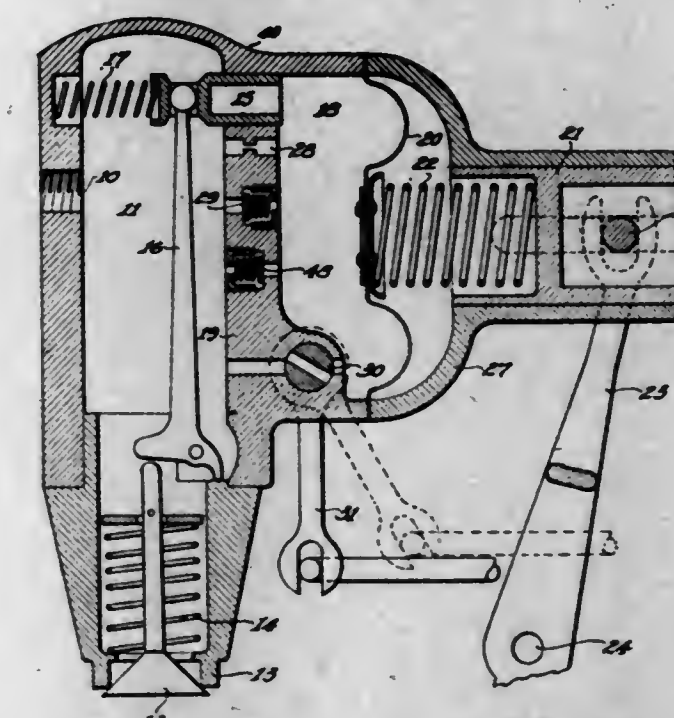


zontal wall, the upper surfaces of the handles being disposed in a common plane and adapted to support the bottom of a similar container which is disposed in superposed relation upon the said container.

2,387,271

ACCELERATING DEVICE

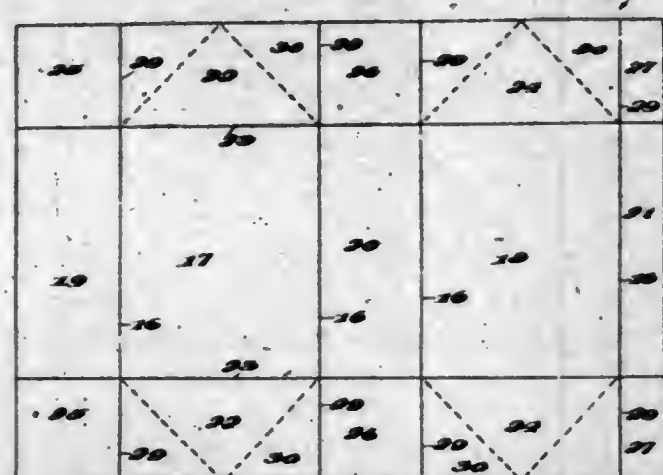
Milton J. Kittler and Ray L. Ensinger, Detroit, Mich., assignors to George M. Holley and Earl Holley
Application January 29, 1943, Serial No. 474,023
1 Claim. (Cl. 137-139)



A source of fuel under pressure, a chamber connected thereto by an unrestricted passage, a second fuel chamber, a restricted passage from first to second chamber, a moving wall located between said first and second chambers, spring means engaging with said moving wall, a second moving wall located on the outside of said second chamber, manual means for engaging with said second moving wall to change the volume of said second chamber, a fuel outlet from the first chamber, a valve in said outlet operatively connected to said first moving wall, said manual means being adapted to open said valve for a predetermined period of time determined by the restriction between the two chambers and by said spring means when the volume of fuel in the second fuel chamber is suddenly changed.

2,387,272

METHOD OF FORMING CARDBOARD BOXES
 Clarence F. Klein and Edgar Huber, Columbus, Ohio, assignors to Frankenberg Bros., Inc., Columbus, Ohio, a corporation of Ohio
 Application June 25, 1942, Serial No. 448,452
 7 Claims. (Cl. 93—36.01)

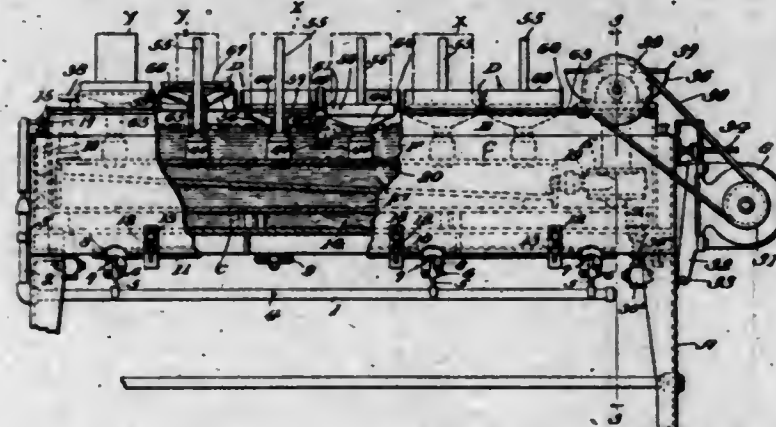


4. In the production of folding carton blanks from a sheet of paper board having a sheet of a lining material secured thereto over substantially its entire area by means of a heat-softening adhesive, the improvement which comprises cutting through said paper board sheet along selected lines within the confines of each of said blanks without cutting the lining material thereon.

2,387,273

COATING APPARATUS

Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
 Application October 11, 1943, Serial No. 505,750½
 9 Claims. (Cl. 91—44)



1. In apparatus of the character described, means for delivering flowable material to an article to be contacted by said material; means for maintaining the flowable material under pressure necessary to effect delivery of the material; a valve interposed between said two means for controlling the delivery of said material; and a restricted by-pass passage for affording communication between said two means independently of the condition of said valve, said by-pass passage opening into the means in which the flowable material is maintained under pressure at a level at least as low as the level of the material therein.

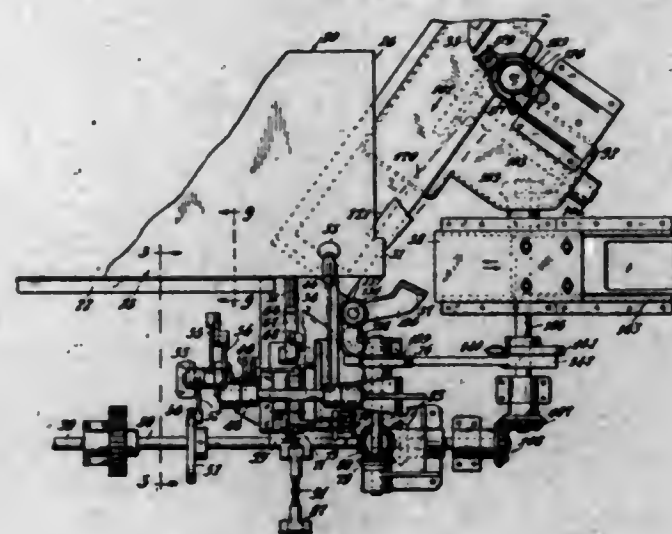
2,387,274

METHOD OF AND APPARATUS FOR PRODUCING VALVED OR SLEEVED BAGS

Harry E. Lee, Oswego, N. Y., assignor to St. Regis Paper Company, New York, N. Y., a corporation of New York
 Application April 17, 1945, Serial No. 588,812
 32 Claims. (Cl. 93—8)

1. In forming a sleeve valve bag, the steps which comprise separating the walls of the open

end of a bag adjacent one corner of the bag, introducing between the separated walls a spreader and moving the spreader in a diagonal direction into the bag until the corner of the bag is substantially straightened against the spreader, applying to the outside of the straightened corner a sheet adapted to form a sleeve, thereafter withdrawing the spreader while holding the sheet in position and then folding the sheet and straightened corner about a median line and collapsing the spread apart walls against the folded in sheet and corner.



5. In apparatus of the character described, a support for a bag, means for separating the walls of the bag at one corner thereof to form a bag surface which is substantially perpendicular to the plane of the bag, holding means for a supplemental sheet, means for effecting relative movement between said holding means and said supporting means to cause the supplemental sheet to engage and be retained in engagement with said substantially perpendicular bag surface, and means for folding said surface and the retained sheet inwardly into the plane of the bag.

2,387,275

POLYMERIZATION OF SUGARS

Gerald J. Leuck, Evanston, Ill., assignor to Cern Products Refining Company, New York, N. Y., a corporation of New Jersey
 No Drawing. Application April 1, 1942, Serial No. 437,273
 12 Claims. (Cl. 260—200)

1. Process of polymerizing sugars which comprises: incorporating with the sugar, as a catalyst, a neutral metal salt; and heating the sugar under substantially anhydrous conditions at a polymerizing temperature above the melting point of the sugar but below the decomposition point thereof; said salt being soluble in water, and being stable at said polymerizing temperature.

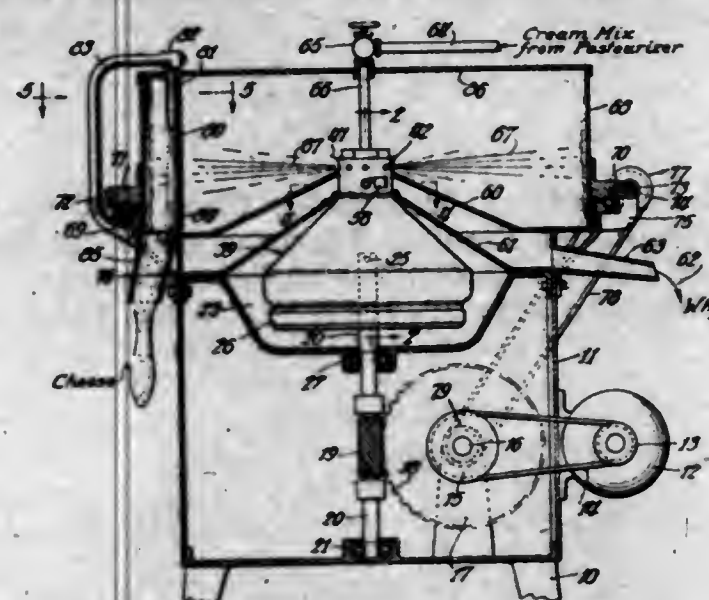
2,387,276

CREAM CHEESE MANUFACTURE

Oscar J. Link, Beaver Dam, Wis., assignor to Kraft Cheese Company, a corporation of Delaware
 Application October 8, 1942, Serial No. 461,348
 3 Claims. (Cl. 99—116)

1. The improvement in the art of making packages of cream cheese, which consists in preparing a ripened liquid cream mix, heating the rip-

ened mix to a temperature of between 135° and 170° F., centrifuging the solids from the whey

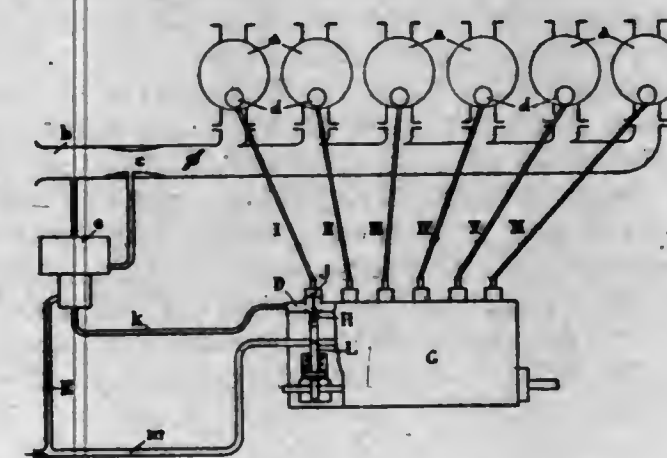


while the material is still at a temperature above 135° F., and then packaging the separated solids.

2,387,277

REGULATION OF THE COMBUSTIBLE MIXTURE FOR INTERNAL-COMBUSTION ENGINES

Prosper L'Orange, Stuttgart-Fueserbach, Germany; vested in the Alien Property Custodian
 Application October 19, 1938, Serial No. 235,881
 In Germany March 2, 1936
 9 Claims. (Cl. 123—139)



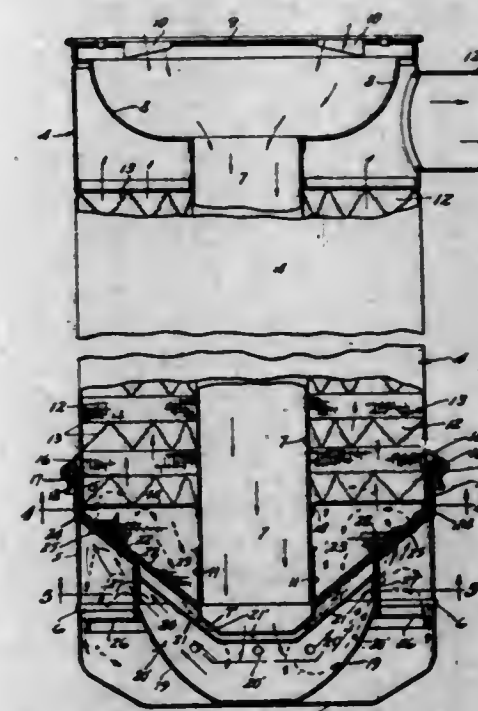
1. Apparatus for supplying fuel and air to an internal combustion engine comprising in combination an air passage along which air flows to said engine; a throttle valve in said air passage for controlling the flow of air to said engine; an apertured constriction in said air passage at a point in advance of said throttle valve; an injection nozzle for the fuel adapted to deliver a charge to the engine to be burned therein; a source of fuel for said engine; a pump having its inlet connected to said source of fuel and its outlet connected to said injection nozzle for supplying fuel thereto at a rate which is in excess of that required for normal operation of said engine; a control valve connected between the outlet of said pump and said source of fuel, said valve, when closed, causing complete delivery of fuel from said pump to said injection nozzle and, when open, causing the return from the outlet of said pump to the source of fuel of the amount of fuel in excess of that required for the operation of the engine; and actuating means for said control valve comprising a closed casing, and a pressure responsive device connected to said valve and positioned within said casing between the upper and lower ends thereof to define upper and lower chambers within said casing, said upper chamber communicating with said air passage at

a point in advance of the apertured constriction therein and said lower chamber communicating with the apertured constriction, opposite sides of said pressure responsive device being acted upon by pressures derived from the motion of air along the air passage in advance of the throttle valve within said passage, the resultant of which pressures is directly proportional in magnitude to the rate of flow of said air whereby the valve is opened and closed in accordance with pressure differentials derived from the motion of the air along the air passage in advance of the throttle valve therein.

2,387,278

OIL WASHED AIR CLEANER

Wittred W. Lowther, Minneapolis, Minn.
 Application March 19, 1942, Serial No. 424,071
 3 Claims. (Cl. 183—15)



1. In an air cleaner of the liquid bath type, spaced cylindrical walls providing an outer casing with an air inlet passage leading downwardly into its lower portion and a concentrically located chamber leading upwardly from the lower portion of the casing, means closing the bottom of the casing to provide a liquid reservoir in its lower portion having its bottom spaced below the discharge end of the inlet passage and wherein air passing from the inlet passage to said chamber reverses its direction around the discharge end of the inlet passage, a filter in the upper portion of the chamber with its bottom materially spaced upwardly from the discharge end of the inlet passage and from the normal fluid level in the fluid reservoir, an air outlet from the upper portion of the casing above the filter, and a centrally apertured baffle wall of generally conical shape disposed concentrically with respect to and adjacent to the discharge end of the inlet passage and providing a liquid collecting zone thereabove, the lower marginal edge of said baffle wall being generally spaced from a marginal edge portion of the discharge end of a wall of said inlet passage to define therewith a narrow substantially annular liquid return passage from said liquid collecting zone to the air stream at a place immediately adjacent to but posterior to the said marginal edge portion of the inlet passage wall, said baffle wall extending upwardly from its lower marginal edge to a height materially above the discharge end of the inlet passage but below the filter element.

2,387,279

DIESEL FUEL

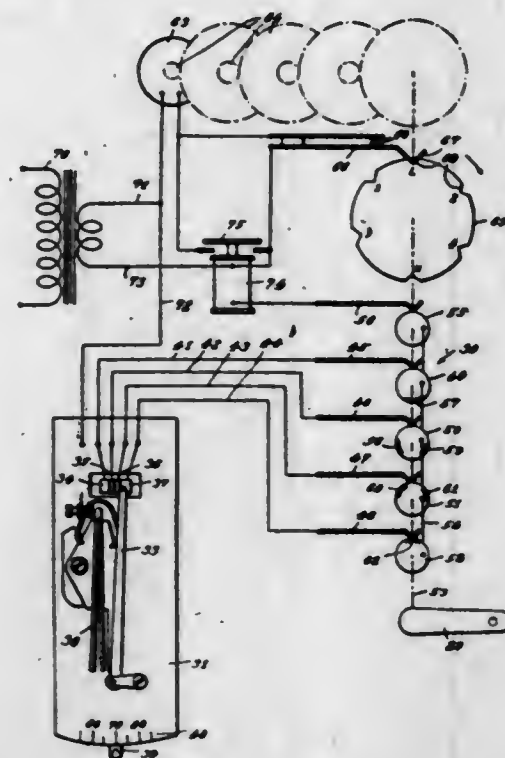
John H. McCracken, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application August 2, 1941, Serial No. 405,133

10 Claims. (Cl. 44-57)

1. An improved Diesel fuel having in admixture therewith a minor proportion of a halogen-free dinitro paraffin wherein the two nitro groups are attached to a single carbon atom, said dinitro paraffin being present in sufficient amount to decrease the ignition delay period of the fuel.

2,387,280

OIL BURNER AND REGULATOR THEREFOR
John H. McIlvaine, Philadelphia, Pa., assignor to McIlvaine Burner Corporation, Chicago, Ill., a corporation of Illinois
Application June 13, 1941, Serial No. 397,857
4 Claims. (Cl. 236-76)



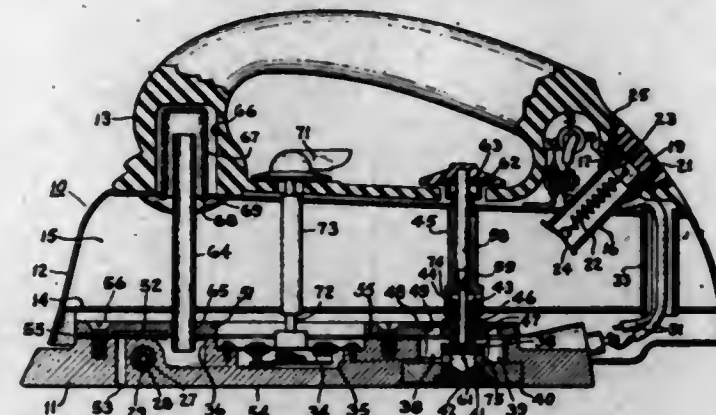
3. In an apparatus of the character described, the combination of a four-position thermostat, comprising a body, four insulated contact segments thereon, and a contact finger movable on said body with respect to said contact segments in response to temperature change, a six-position regulator adapted to operate the control means for a continuously operating variable flame type of burner, said regulator including a rotary crank arm for operating the control means for the burner, a rotary circuit-breaker drum for turning said arm in which there are at least four contact disks and four contact brushes engaging the same each connected with one of the aforementioned contact segments, two of the contact disks each having a single insulated portion on the periphery thereof, the insulated portion of one of said two disks being spaced angularly approximately 180° from the insulated portion on the other of said two disks, and the other two contact disks each having two insulated portions on the periphery thereof in angularly spaced relation but less than 180° apart, one of the last mentioned pairs of insulated portions being on one side of center in relation to the other pair of insulated portions, an electric drive motor operatively connected with the drum to transmit drive thereto whenever the motor is energized, and electrical circuit means interconnecting the body of said thermostat and the drum with the motor and a source of electric current supply, whereby in response to tempera-

ture changes said motor is started and stopped to impart rotary movement to the drum always in one direction to predetermined operative positions.

2,387,281

STEAM IRON

Eldred O. Morton, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 29, 1942, Serial No. 452,704
7 Claims. (Cl. 38-77)

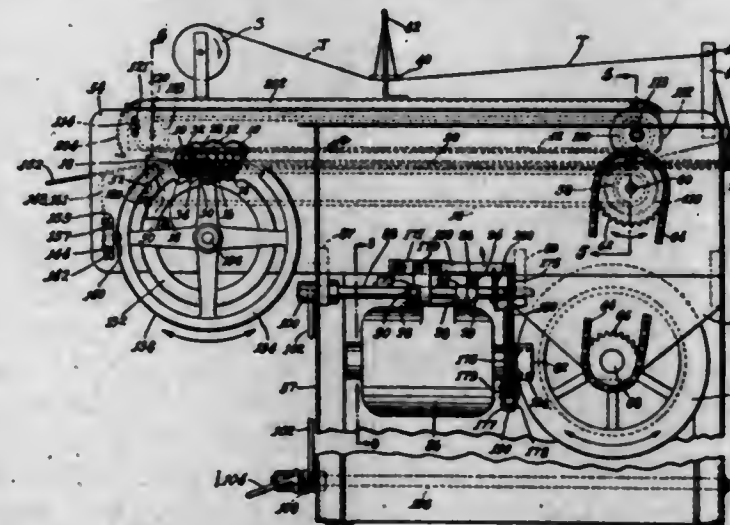


1. A steam iron comprising a soleplate, a U-shaped heating element carried by said soleplate and arranged with the bight thereof directed toward the front end of said soleplate, said soleplate having a steam-generating space formed therein adjacent the rear end thereof, means for supplying water to said space, a thermostat well formed in said soleplate within the bight of said heating means, a U-shaped passage provided in said soleplate and arranged with the bight thereof directed toward the front end of said soleplate, said passage being disposed between said heating means and said thermostat well, the rearwardly-extending ends of said U-shaped passage opening in said steam-generating space whereby steam generated within said space may pass along said passage to the front end of said soleplate, and means adjacent the front end of said iron communicating with said U-shaped passage for discharging steam from said passage to the material being pressed.

2,387,282

TIE SEWING MACHINE

Joseph A. Neumair, Hollis, and Carl W. Johnson, Brooklyn, N. Y., assignors to American Machine & Foundry Company, a corporation of New Jersey
Application November 27, 1941, Serial No. 420,618
5 Claims. (Cl. 112-174)



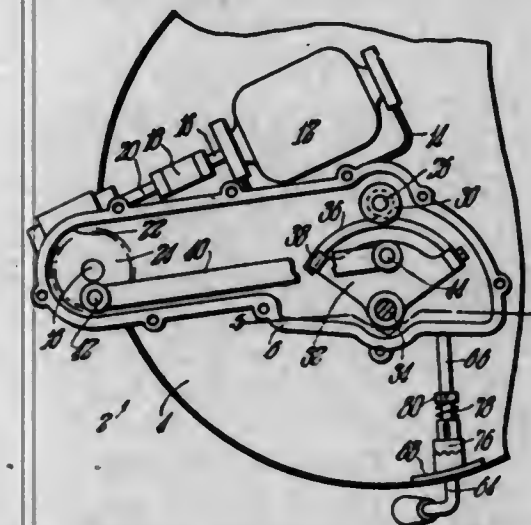
2. In a necktie sewing mechanism, the combination with an elongated stationary needle, of a pair of endless traveling supports having opposed horizontal portions, one of said portions

lying above the other of said portions, crimper members mounted on each of said supports, the crimper members on one support being adapted to interengage with the crimper members on the other support along said opposed portions of the supports for forming several narrow pleats in the leading end of a necktie lining only and advancing them upon the needle, a pair of opposed crimper bars mounted on said supports immediately behind said crimper members, the crimper bar on one support being arranged to interengage with the crimper bar on the other support along the opposed portions of said supports and form a single pleat in the lining and the leading end of a fabric superposed thereon, the crimper bar on the upper endless support along said opposite portions extending downwardly a greater distance than the crimper members on said upper support for forming a single pleat having a greater depth than the pleats in the leading end of the lining, said crimper bars coacting to advance said single pleat upon the needle, and crimpers behind said crimper bars, the crimpers on said upper support along said opposed portions extending downwardly a greater distance than said crimper members for forming pleats having a greater depth than the pleats in the leading end of the lining.

2,387,283

WASHING MACHINE DRIVE

John Oakley, Springfield, Mass., assignor to Perkins Machine and Gear Company, West Springfield, Mass., a corporation of Massachusetts
Application April 11, 1944, Serial No. 530,457
3 Claims. (Cl. 74-81)



1. Variable mechanism for a washing machine having an agitator shaft comprising in combination, a driven member on said shaft, a driving member oscillatable on an axis spaced from and parallel to the axis of the agitator shaft, said driven member having angularly disposed friction faces, said driving member having a peripheral portion relatively yieldable intermediate opposite ends thereof provided with friction faces complementary to and engageable with the faces of the driven member, and said driving member movable towards and away from the driven member.

2,387,284

INHIBITOR FOR CARBON TETRACHLORIDE
Edward O. Ohlmann, Ann Arbor, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application February 12, 1943, Serial No. 475,694
6 Claims. (Cl. 260-652.5)

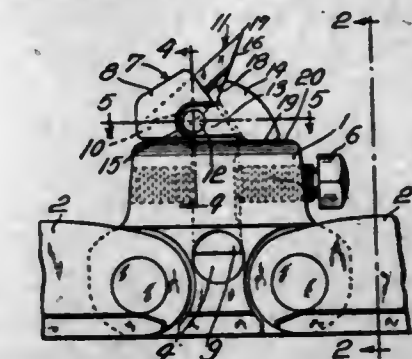
2. A method of inhibiting the corrosion of metals by wet carbon tetrachloride in contact

therewith, which comprises dissolving in the carbon tetrachloride at least 0.1 per cent by weight of rosin and from 0.001 to 0.1 per cent by weight of a primary mono-amine.

2,387,285

CUTTER CHAIN

Charles F. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application November 1, 1940, Serial No. 363,924
18 Claims. (Cl. 262-33)



13. In a cutter chain, a chain block having a socket, and holder means for securing a cutter bit in cutting position on said block comprising cooperating, relatively swingable holder parts hinged together at the outer end of the holder means, one part having a portion disposed in said block socket and the other part swingable at one end about its hinge and disposed wholly outside of said block socket when the holder means is in bit holding position.

2,387,286

SULPHURIZED CARDANOL ETHERS

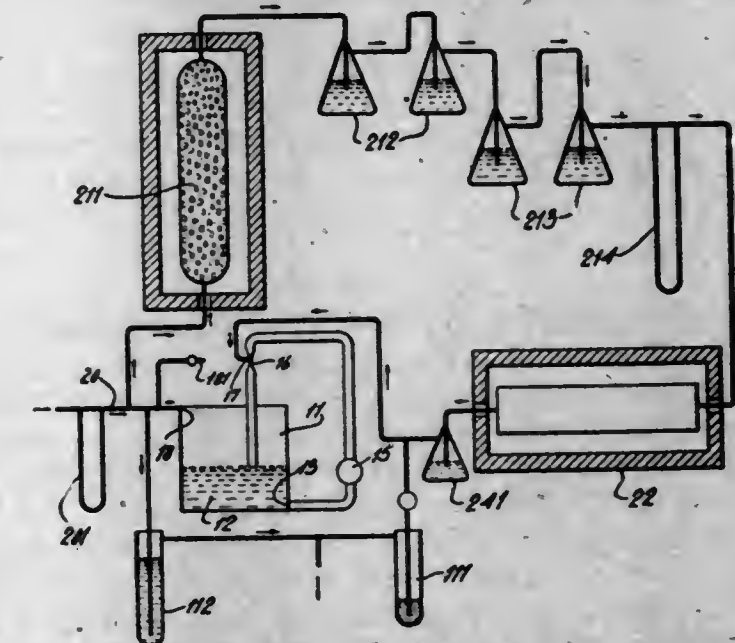
Ferdinand P. Otto, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application November 25, 1943, Serial No. 511,703
8 Claims. (Cl. 260-125)

1. As a new composition of matter, an oily, sulphur-containing reaction product obtained by reaction of a cardanol ether and elementary sulphur.

2,387,287

METHOD FOR PRODUCING SODIUM CYANIDE

David B. Pall, New York, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application July 9, 1942, Serial No. 450,257
2 Claims. (Cl. 23-82)

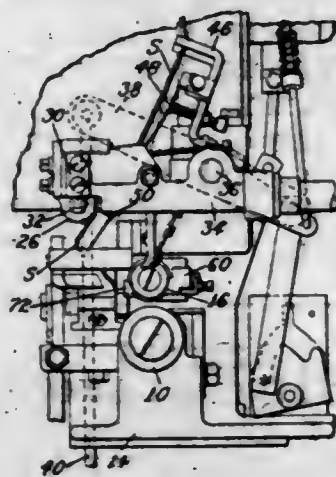


1. In the method of producing sodium cyanide by the reaction of carbon, sodium carbonate and

pure nitrogen, the steps which comprise passing pure nitrogen into a reaction chamber containing carbon, sodium carbonate and an iron-bearing material heated to reaction temperature, withdrawing the mixture of nitrogen and carbon monoxide formed through an aspirator in which water is the circulating fluid, so that entrained sodium carbonate is removed from the gas, adding just sufficient air to oxidize the carbon monoxide to carbon dioxide, passing the carbon monoxide/nitrogen/air mixture through a copper oxide catalyst to heat it to about 500° C. to convert the carbon monoxide and oxygen in the air to carbon dioxide, decarbonating and dehydrating the gas thus formed, and passing the pure nitrogen resulting back into the reaction.

2,387,288

MACHINE FOR REINFORCING INSOLES
Hans C. Paulsen, Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application March 7, 1944, Serial No. 525,338
8 Claims. (Cl. 12-20)



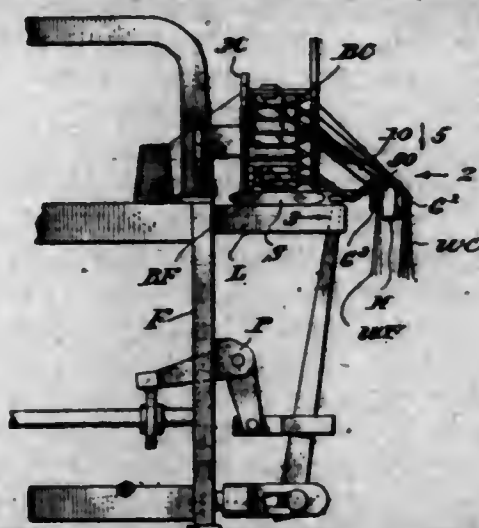
1. In a machine for applying a strip of cemented reinforcing material to a ribbed insole, the combination of a pair of continuously driven rolls for supporting and feeding the insole, a strip applying roll, a pivoted carrier for said applying roll movable to carry the roll in an inclined path toward and from said feed rolls and operating to apply a strip of material progressively to the body of the insole and to the inner face of the rib, a relatively stationary plate or guard between said feed rolls to engage the marginal portion of the strip at the inner face of the rib, an adjustable guide to engage the outer face of the rib and the feather of the insole as the insole approaches the applying point, a pivoted presser member the free end of which is shaped to engage the upper portion of the outer face of the rib and overlap the applying roll just after the insole leaves the bite of the feed rolls, and a spring exerting pressure on said member inwardly of the rib to cause better adhesion between the inner face of the rib and the strip of material.

2,387,289

THREAD SEPARATING THREAD HOLDER
Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 1, 1944, Serial No. 529,146
13 Claims. (Cl. 139-247)

1. In a thread holder for a weft replenishing mechanism from which two groups of weft ends extend toward a support spaced from the mechanism, a pair of geared weft end engaging units rotating on said support and extending on opposite sides thereof and tending to draw said

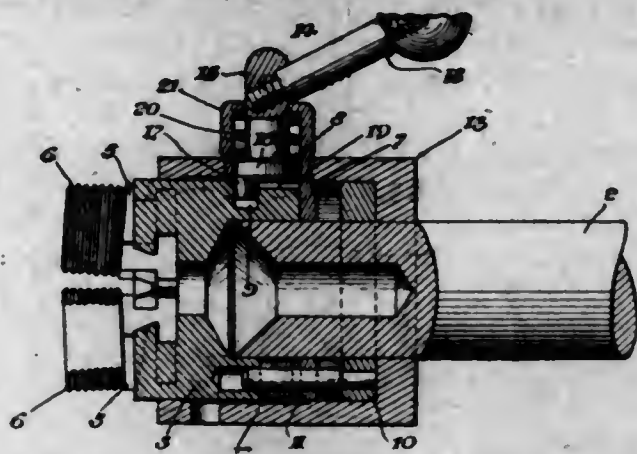
weft ends away from said mechanism, a guide to direct one of said groups of weft ends toward said geared units on one side of said support,



and a second guide to direct the other group of weft ends toward said geared units on the opposite side of said support, said support acting as a separator for said groups.

2,387,290

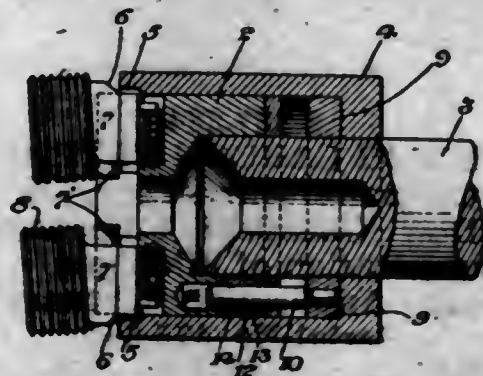
DIE HEAD OPERATING MEANS
David R. Powell and William L. Moore, Cleveland, Ohio, assignors to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application August 19, 1943, Serial No. 499,172
10 Claims. (Cl. 10-95)



1. A threading die comprising a chaser-carrying body, a closing cap, one shiftable relative to the other, and means for effecting said shifting and comprising a rotatable member carried by the cap and having means engaging the body for effecting said shifting upon rotation of said rotatable member, and means located above said rotatable member for rotating it, said rotatable member and its rotating means rotatable on a common axis.

2,387,291

CHASER ADJUSTING MEANS
David R. Powell and William L. Moore, Cleveland, Ohio, assignors to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application August 19, 1943, Serial No. 499,174
11 Claims. (Cl. 10-95)



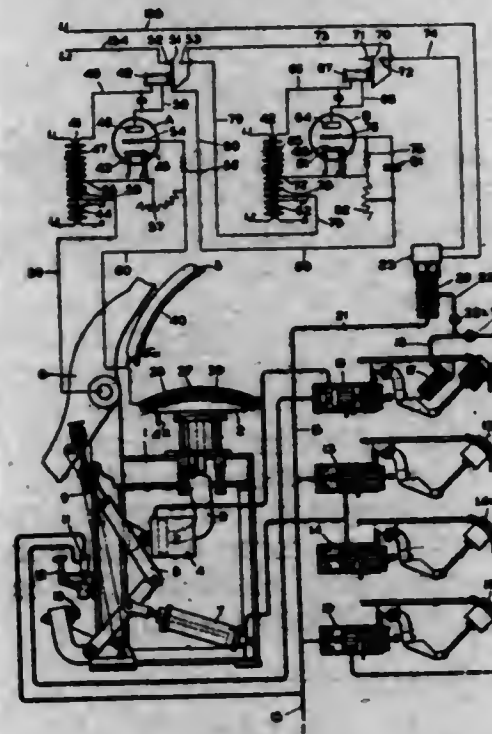
1. A threading tool having a chaser-carrying body, a closing cap, an adjusting member and a

floating connection between said adjusting member and body for effecting a relative rotation between the body and cap thereby to adjust the chasers radially, said floating connection comprising a member shiftable radially of said body.

2,387,292

ELECTRONIC CONTROL FOR IRONING OR DRYING MACHINERY

John E. Preston, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Cincinnati, Ohio, a corporation of Ohio
Application March 20, 1941, Serial No. 384,384
12 Claims. (Cl. 38-25)



1. Apparatus for drying moist fabrics, comprising relatively movable pressing members between which the work may be pressed, operating means for advancing said members toward each other into pressing relation with the work, means for evaporating moisture in the fabric, means sensitive to variations in the electrical conductivity of the work for separating said members to thereby terminate the pressing operation, and further means for preventing further pressure contact between said members for a predetermined period after said separation.

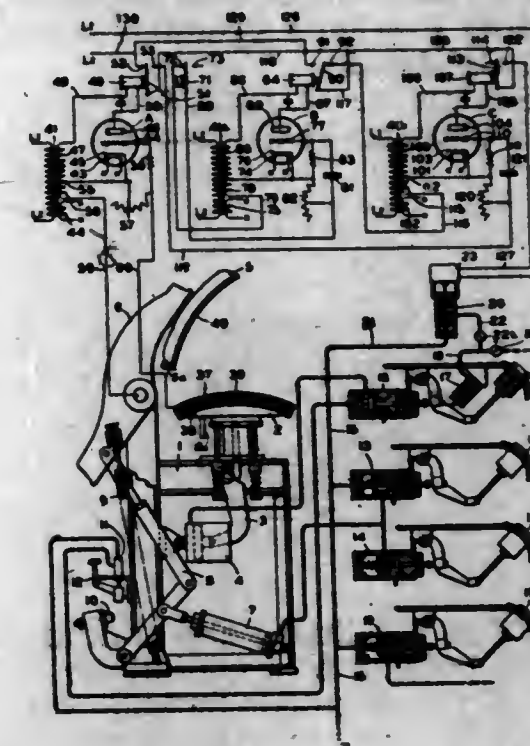
2,387,293

ELECTRONIC CONTROL FOR IRONING OR DRYING MACHINERY

John E. Preston, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Cincinnati, Ohio, a corporation of Ohio
Application March 20, 1941, Serial No. 384,385
3 Claims. (Cl. 38-25)

1. Apparatus for drying moist fabrics, comprising relatively movable pressing members between which the work may be pressed, operating means for causing relative movement of said members toward and from each other for the pressing operation, means for evaporating moisture in the fabric between said members when they are in pressing relation, control means sensitive to the moisture content of the work for separating said members to thereby terminate the pressing operation, additional control means for causing said members to separate at a predetermined period after they have been moved relatively into pressing relationship as aforesaid, whereby said pressing operation is terminated by said additional

control means if it has not previously been otherwise terminated, and further control means for

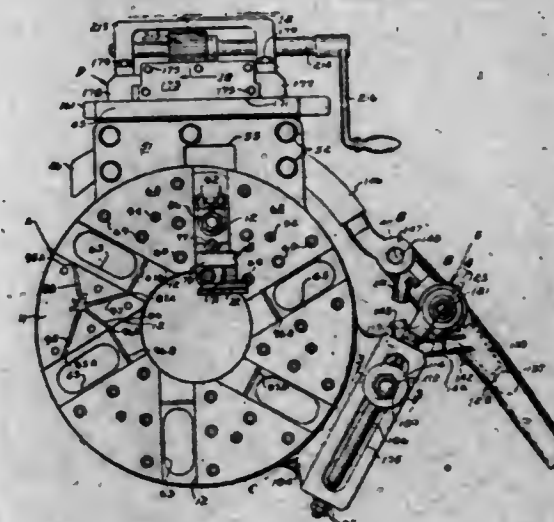


preventing further pressure contact between said members for a predetermined period after their separation.

2,387,294

THREAD-CUTTING MECHANISM

Charles A. Reimschuessel and Harry Davies, Waynesboro, Pa., assignors to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania
Application December 20, 1943, Serial No. 514,918
28 Claims. (Cl. 10-120.5)

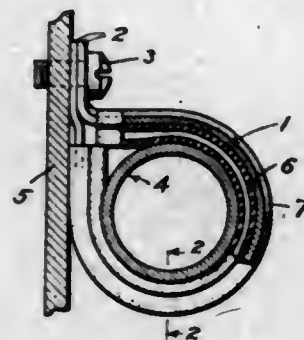


12. In a thread cutting mechanism, a head having a plurality of cutters mounted for inward and outward movement and controlled by a rockable cam; means for rocking said cam during thread cutting to cause said cutters to produce a tapered thread, comprising a member movable in accordance with the threading operation; a lever pivoted to said member; a link pivotally connecting said lever and said cam ring, said link and said lever normally being disposed in such relationship that displacement of said member is reflected as a proportional angular displacement of said cam, and means for rocking said cam by minor amounts independently of said lever and member, comprising a trunnion journaled in said link and said lever and having eccentric and concentric bearing portions; and means for rocking said trunnion through a predetermined angle about the axis of said concentric bearing portion, for displacing the pivotal axis of connection between said link and said lever.

2,387,295

CUSHION FOR CONDUIT AND WIRE SUPPORTING CLIPS

Archibald Robertson, North Hollywood, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application September 14, 1943, Serial No. 502,338
9 Claims. (Cl. 248-74)

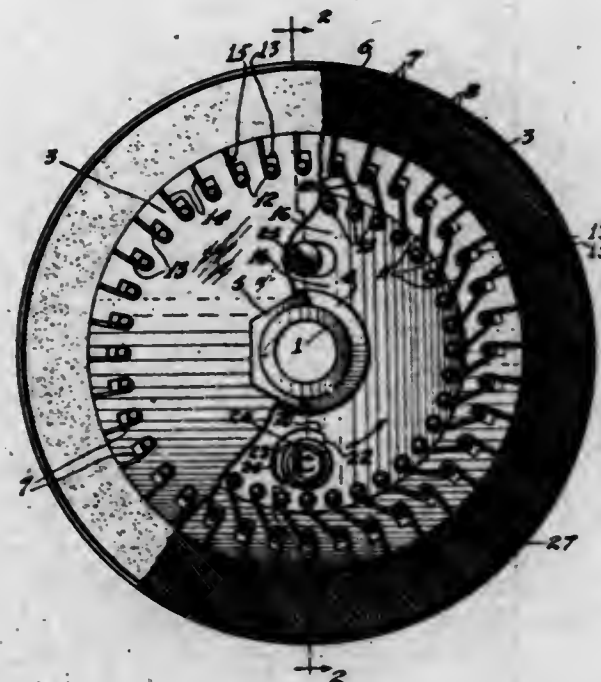


1. In a cushion for lining the conduit or wire embracing loop portion of a conduit or wire supporting clip, an elongated flexible body strip adapted to line the interior of such a loop portion, and a plurality of integral flanges projecting from and extending longitudinally of said strip with their outer portions subject to flexure relative to the body strip and adapted to support a conduit or wires in circumferentially spaced relation thereto, said flanges being so contoured in cross section as to cause their outer edges to abut the body strip before the flanges are flattened by compression.

2,387,296

ABRADING WHEEL

George W. Rochwald, Kearny, N. J.
Application March 15, 1944, Serial No. 526,547
12 Claims. (Cl. 51-190)

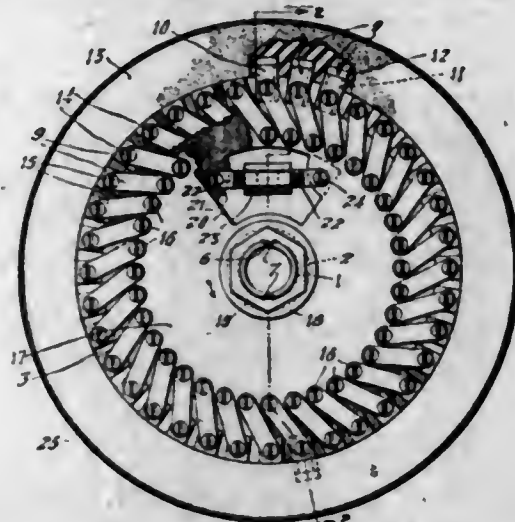


1. A wheel of the character described, comprising a body, a plurality of radially movable thrust members mounted on said body, an expansible rim to which one end of each of said thrust members is connected, and means for simultaneously actuating all of said thrust members radially in opposite directions to expand and to contract said expansible rim respectively including an actuator rotatably mounted on said body coaxially with said rim, and a link pivotally connected to each thrust member and to said actuator so that said links will be actuated longitudinally outwardly and inwardly upon rotation of said actuator in opposite directions respectively.

2,387,297

ABRADING WHEEL

George W. Rochwald, Kearny, N. J.
Application June 22, 1944, Serial No. 541,486
11 Claims. (Cl. 51-190)

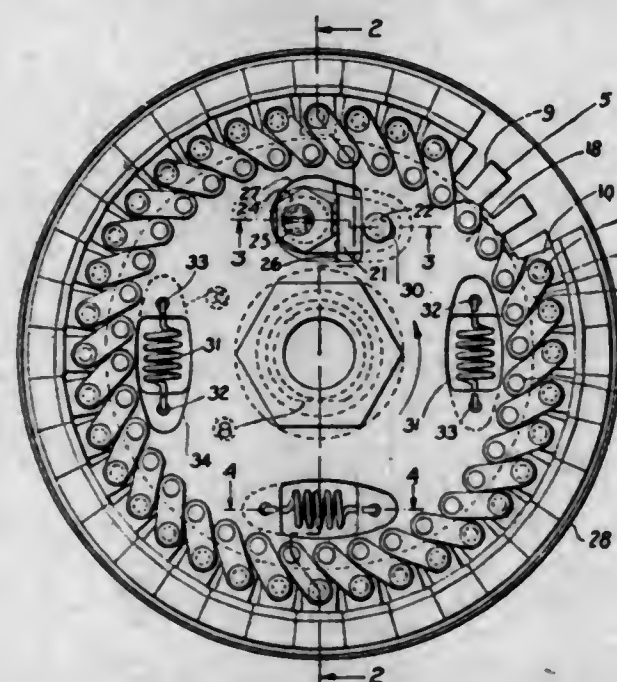


1. An abrading wheel of the character described, comprising two coaxially relatively rotatable body sections, an expansible rim coaxial with said body sections, a plurality of thrust members radially slidably mounted on one of said body sections and each connected at its outer end to said rim, and a link pivotally connected to each thrust member and to the other of said body sections so that upon relative rotation of said body sections in opposite directions said links will be actuated longitudinally outwardly and inwardly respectively to expand and contract said rim, and an operating element for causing relative rotation of said body sections.

2,387,298

ABRADING WHEEL

George W. Rochwald, Kearny, N. J.
Application November 23, 1944, Serial No. 564,736
11 Claims. (Cl. 51-190)



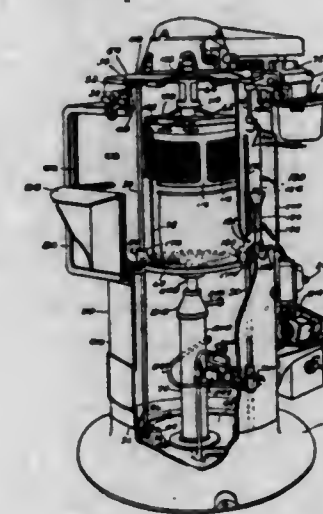
1. A wheel of the character described comprising a body including a main section, an expansible rim, a plurality of radially movable thrust members mounted on said main section and connected to said rim, and means for simultaneously actuating all of said thrust members radially to expand and to contract said expansible rim including an actuator section rotatably mounted on said main section coaxially with said rim, an element connecting each of said thrust members to said actuator section and movable relatively to both thereof so that said thrust members will be moved longitudinally inwardly and outwardly upon relative rotation of said actuator and said body in opposite directions respectively, and an

operating member for rotating said actuator section including a link pivotally connected at one end to one of said body sections, and a cam rotatably mounted on the other body section and operatively connected to said link so that rotation of said cam will cause relative rotation of said body sections.

2,387,299

IMMERSING AND CENTRIFUGING UNIT

Fernando M. Ronci, Providence, R. I.
Application January 7, 1944, Serial No. 517,459
12 Claims. (Cl. 91-42)



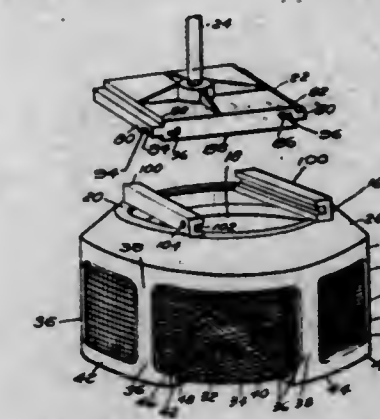
1. An immersing and centrifuging unit, comprising a vertically extending casing having an opening of substantial height in the wall thereof extending a substantial distance downwardly from adjacent the top thereof, a composite door for said opening having an open upper portion and a closed lower portion hingedly mounted on said casing with the free end thereof detachably securable to said casing, a vertically slidable panel for closing said upper portion, means for automatically locking said panel closed and against vibration when raised to a closed position, a base for said casing, a top for said casing, a drive shaft projecting downwardly from said casing top adjacent the upper portion of said opening, means having a handle effective at the will of the operator to rotate said drive shaft in either direction and to immediately stop the rotation thereof with a braking action, a work holding basket detachably securable to the lower end of said drive shaft through the open upper portion of said door, a table vertically reciprocable within said casing having a projection adapted to abut and raise the slidable door panel to a closed locked position and diametrically opposed guide projections having vertical open guideways, and means projecting therefrom adapted to move and to retain the operating handle of said drive shaft rotating means in neutral position, a liquid container insertable to position and removable from position on said table through said opening and means effective at the will of the operator to relatively raise and lower said table carrying said container from a lower loading position substantially opposite the lower portion of said opening to an immersing position with said means moving said handle to neutral position and retaining it in neutral position to prevent rotation of the basket when in said immersing position and an intermediate centrifuging position with the basket opposite the upper portion of the wall of the container and guide rods projecting vertically through the vertical guideways in the diametric table projections having the ends thereof secured respectively to said base and top for holding the parts of the casing together.

579 O. G.-38

2,387,300

MEANS FOR MOUNTING WORK IN CASINGS FOR DIPPING AND CENTRIFUGING

Fernando M. Ronci, Providence, R. I.
Application January 10, 1944, Serial No. 517,736
6 Claims. (Cl. 91-60)



1. A detachable rotatable work holding basket for dipping and centrifuging work, comprising a cylindrical light metal skeleton cage having a top wall having a circular, open, work inserting center portion, a solid annular rim around said open portion having a solid annular downwardly tilted work retaining border portion, a solid annular side wall upper portion, a bottom portion having a central flat hub, and spaced spokes projecting downwardly at even circumferentially spaced intervals from said upper annular side wall portion a sufficient distance to complete the skeleton side wall of said cage and then inwardly to said central hub completing the skeleton bottom wall of said cage, and L-shaped struts having portions even with said bent spoke portions joining said spokes together along the line of jointure of said side and bottom walls, and a resilient wire mesh lining for said cage capable of movement independently of said cage loosely mounted within said cage, comprising a circular base resting on said skeleton cage bottom, and a strip of a width substantially that of the height of the side wall of the cage and of a length substantially that of the circumference of the cage inserted within said cage through said work inserting open portion and arranged in cylindrical formation adjacent the side wall of said skeleton frame with the ends thereof substantially abutting, and solder joining the ends of said lining side walls together and the lower edge thereof to the outer edge of said circular base, the lower ends of the side runs of said spokes being broken and detachably securable together to permit removal of used lining from said cage.

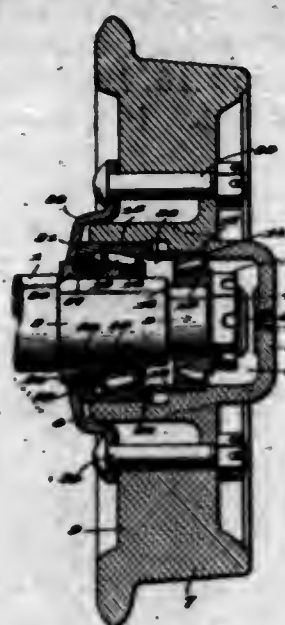
2,387,301

WHEEL AND AXLE PACKING

Hugh W. Sanford, Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del., a corporation of Delaware
Original application February 15, 1940, Serial No. 319,121, now Patent No. 2,312,361, dated March 2, 1943. Divided and this application May 15, 1942, Serial No. 443,153
10 Claims. (Cl. 286-7)

1. The combination of an inner member, an outer member encircling said inner member and having a lubricant chamber therein, a ring extending into an end of the outer member and having a radially arranged flange thereon directed toward the inner member, said inner member having a radially extending shoulder overlapping the inner edge portion of said flange with a surface facing said flange and arranged

at an acute angle thereto, packing arranged between said shoulder surface and flange, and



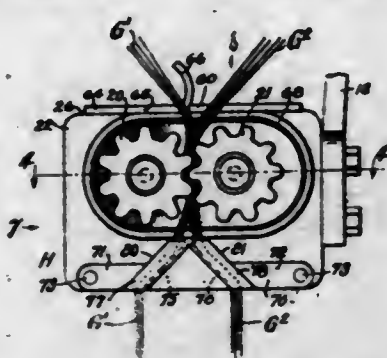
means for applying an axial pressure against said packing at the opposite side thereof from said flange.

2,387,302

THREAD GUIDE FOR THREAD HOLDERS

Elliot A. Santon, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Original application April 1, 1944, Serial No. 529,147. Divided and this application July 22, 1944, Serial No. 546,167

11 Claims. (Cl. 139-247)



1. In a weft replenishing mechanism away from which extend two groups of weft threads, a pair of meshing geared members rotating to draw the threads away from said mechanism and having axes extending toward the latter, and two guides extending above said members at different distances from said mechanism, one of said guides engaging and guiding one of said groups toward said members along a path relatively near said mechanism and the other guide engaging and guiding the other group toward said members along a path farther from said mechanism.

2,387,303

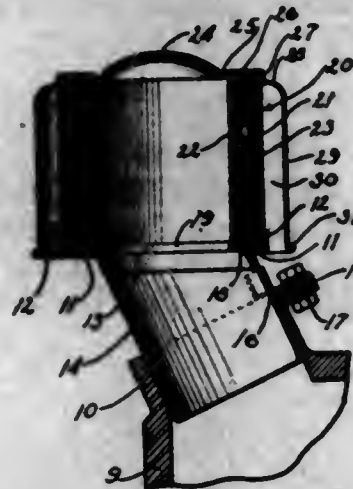
CRANKCASE AIR CLEANER ASSEMBLY

Joseph B. Sebok, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application April 16, 1942, Serial No. 439,152
3 Claims. (Cl. 121-194)

1. In a crankcase breather or ventilation air cleaner, an annular base member including a horizontal seat portion having a central aperture with a neck depending from the inside edge of said portion and an upstanding flange on the outside edge of said portion, another annular member on said seat portion and having an upstanding flange on its inner edge which together with the first said flange provides a channel, a filter element seated in said channel, and a cover on said filter element.

3. In combination, a crankcase having an opening disposed on an angle to the horizontal, an air cleaner for disposition in an upright position, a sloping outlet conduit on said air cleaner for press fit in the crankcase opening with the air



cleaner then disposed in upright position, a flange lug projecting from the crankcase adjacent said opening, a flange projecting from said conduit, and securing means extending through both said lug and said conduit flange to hold the cleaner on the crankcase in addition to the press fit.

2,387,304

STABILIZATION OF TERPENE PRODUCTS

Donald H. Sheffield, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 2, 1941,
Serial No. 413,295

8 Claims. (Cl. 260-631.5)

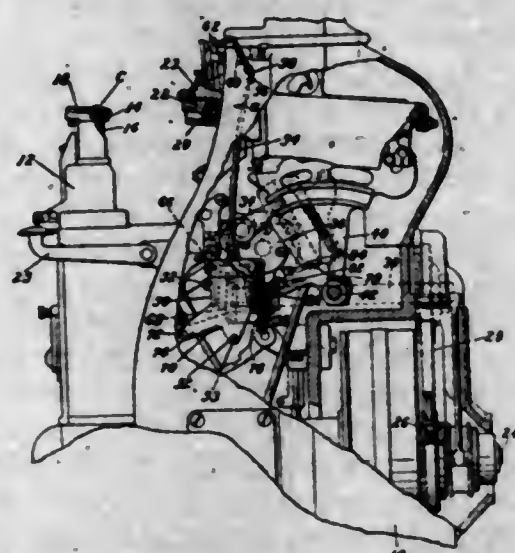
1. A process for improving unstable oxidized monocyclic terpenes which comprises treating the said oxidized terpenes with hydrogen in contact with a nickel catalyst at a temperature between 0 and 90° C. until components capable of spontaneous exothermic reaction are substantially eliminated.

2,387,305

CLEARING MECHANISM FOR THE WORK SUPPORTS OF FASTENING-INSERTING MACHINES

John F. Standish, Winthrop, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application March 29, 1944, Serial No. 528,510
13 Claims. (Cl. 1-32)

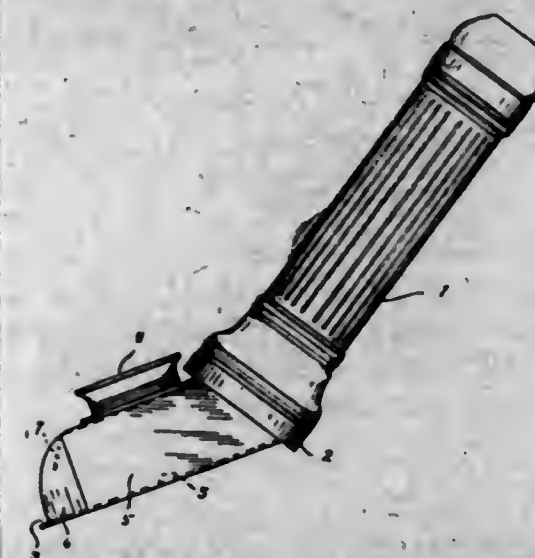


1. In a fastening-inserting machine, a work-support provided with a passage opening through the top of the support, a driver movable in the passage to insert a fastening in the work, and means for directing an air-current across the top of the support prior to the inserting movement of the driver.

2,387,306

SAMPLING DEVICE

Theon O. Stapleton, Hibbing, Minn.
Application March 15, 1943, Serial No. 479,285
1 Claim. (Cl. 88-39)

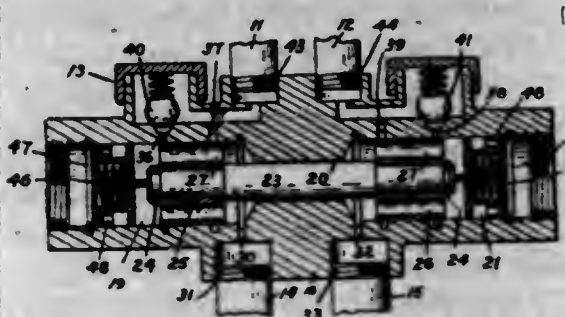


An inspection device of the type described comprising a rectangularly shaped elongated chamber open at opposite ends, one of said ends being equipped for convenient attachment to the light projection end of a hand flashlight and the other end restricted for spreading action of the material received therethrough by the front ends of the side walls and top wall being slightly bent inwardly, and said top wall having a magnifying glass installed therein for viewing objects upon the bottom of said chamber.

2,387,307

SELF-LOCKING HYDRAULIC LINKAGE

Albert Rivington Stone, Belair, Md.
Application June 16, 1942, Serial No. 447,269
4 Claims. (Cl. 60-52)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A control valve for use in a pair of pressure conduits connecting a reversible pump and a reversible hydraulic motor, said control valve comprising a housing, said housing having a bore extending axially therethrough, a piston slidably reciprocable in said bore, said piston and said bore being of such relative sizes that cavities are provided at the opposite ends of said bore and said piston blocks any passage of fluid through said bore between said cavities, one cavity having a port connecting it to the pump-side of one pressure conduit, the other cavity having a port connecting it to the pump-side of the other pressure conduit, a passage-way in said housing connected to the motor-side of one pressure conduit, a second passageway connected to the motor-side of the other pressure conduit, a pair of ports connecting one cavity to one passageway, a second pair of ports connecting the second cavity to the second passageway, plug means closing the outer end of each cavity, yieldable means urging said piston to a middle position, a sleeve valve in each said cavities at each end of and connected to said piston, each said sleeve valve closing both motor-side ports when said piston is in said middle position, said piston sleeve valve

being limited in its reciprocation to open either but not both of each pair of motor-side ports, said pump-side cavity ports being always open, a one-way cavity-exit-valve on one port of each pair of passageway ports, said sleeve valves permitting communication through only one cavity-exit-valve port and simultaneously through the other motor-side port of the second cavity at one time, whereby high pressure fluid from the pump-side of one of the pump pressure conduits holds the piston and sleeve in communication-permitting-position through the cavity-exit-valve port to permit flow of high pressure fluid therethrough to one motor-side passageway and simultaneously low pressure fluid to flow from the other motor-side passageway back to the other pressure pump conduit, and whereby reverse flow on the motor-side of the passageway receiving high pressure from said pump causes said one-way cavity-exit-valve to close and permit said yieldable means to reciprocate said piston sleeve to low pressure port-blocking position while the cavity-exit-port valve closes the high pressure port of the same cavity, thereby only permitting passage of high pressure from the pump-side to the motor-side and locking off passage of high pressure from the motor-side to the pump-side.

2,387,308

LIGHT POLARIZING BODY

Harry H. Styll, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application October 25, 1937, Serial No. 170,897
2 Claims. (Cl. 88-65)



1. A self-supporting light-polarizer comprising transparent glass which has been stretched in heated condition, said glass having minute inorganic crystals selected from a group consisting of tourmaline and epidote crystals embedded therein and oriented by said stretching to cause said glass to be light-polarizing, with said minute inorganic crystals being capable of withstanding a temperature sufficiently elevated to permit stretching of said glass.

2,387,309

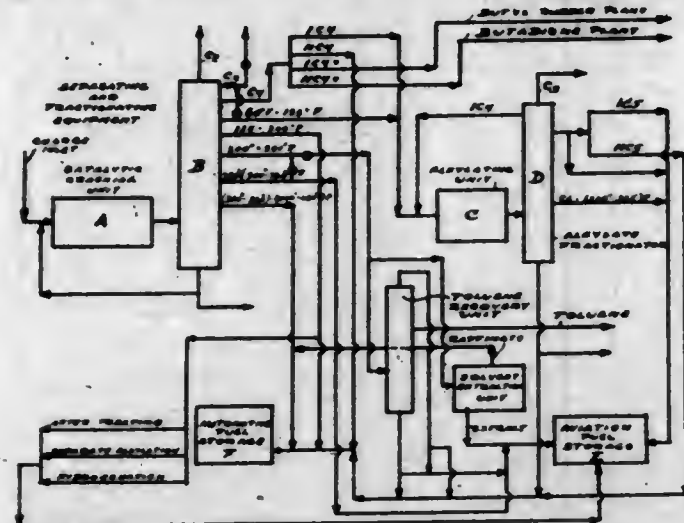
CONVERSION OF HYDROCARBON OILS

William J. Sweeney, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application June 20, 1942, Serial No. 447,787
8 Claims. (Cl. 196-12)

8. A process for producing gasoline which comprises passing a hydrocarbon oil boiling above gasoline through a cracking zone, contacting said oil within said cracking zone with an active cracking catalyst while at a temperature above 850° F., maintaining said oil in said cracking zone for a period sufficient to convert a substantial portion of said oil into gasoline constituents, fractionating the cracked products to segregate a heavy naphtha fraction having a boiling range above 160° F. and below the end point of gasoline, an intermediate fraction having a boiling range above 100° F. and below said heavy naphtha fraction, a light naphtha fraction boiling above 50° F. and

below said intermediate naphtha fraction containing substantial quantities of olefinic constituents and being substantially free of aromatic constituents, passing said light naphtha fraction to an alkylating zone, introducing isoparaffinic hydrocarbons into said alkylating zone in an amount in excess of the olefinic content of said light naphtha fraction, controlling conditions within

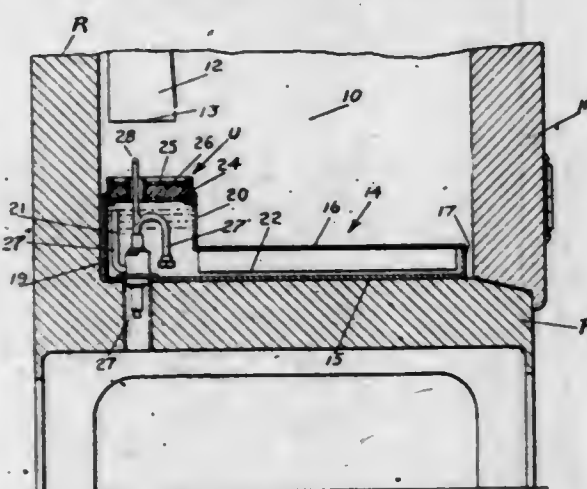


said alkylating zone to react said isoparaffins with the olefins contained in said light naphtha fraction to form a substantially saturated alkylate product, treating said intermediate naphtha fraction to remove olefins therefrom, and thereafter combining said intermediate fraction substantially free of said olefins with said heavy naphtha fraction and with the alkylate product to form gasoline.

2,387,310

FLOOR UNIT FOR REFRIGERATORS

Charles H. Walbert, Oklahoma City, Okla.
Application October 13, 1943, Serial No. 506,106
5 Claims. (Cl. 62-70)



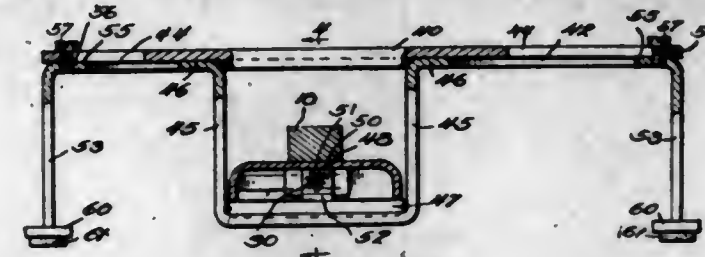
1. In a refrigerated structure having a food compartment and an ice chamber in the upper part thereof and having drainage means, a relatively shallow hollow floor unit adapted to be placed within the food compartment to rest upon the floor of such compartment, said floor unit having an upstanding open top well, the well being arranged to receive water from the drainage means, and a filtering unit supported in and closing the top of said well.

2,387,311

PAPER FEED DEVICE

George W. Wender, United States Army,
Camp Ritchie, Md.
Application October 17, 1944, Serial No. 559,111
8 Claims. (Cl. 271-42)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)
3. A paper feed device for use in a Mimeograph machine having cooperable stenciling cylinders and a feed component, the device including a unitary bar, spaced resilient feeder pads supported at the outer terminals of the bar and adapted to spacedly and frictionally engage the

margin portion of a sheet of paper to feed the paper to the stenciling cylinders, and a securing ear carried by the bar and adapted to be secured to the said feed component.

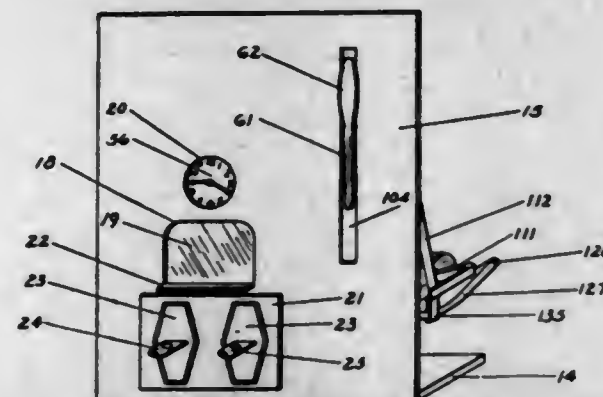


margin portion of a sheet of paper to feed the paper to the stenciling cylinders, and a securing ear carried by the bar and adapted to be secured to the said feed component.

2,387,312

PARKING VEHICLE ART AND APPARATUS

Roy E. Whitmore, Staunton, Va.
Application November 26, 1942, Serial No. 467,020
15 Claims. (Cl. 234-1)



1. As a new article of manufacture, a recorder comprising, in combination, means defining a window, a closure for said window, a paper record strip, a feed mechanism for passing said paper strip step by step across said window in successive cycles of operation, a time stamp, and a coin stamp for imprinting the amount and value of deposited coins, both stamps being positioned so as, when brought into operation, to make imprint in each cycle on said record strip when the latter is stationary, a coin-operated releasing means for opening said window closure to open said window, for operating the said coin stamp, and to cause the latter to print on the record strip the amount of coins deposited in that particular operation, means operable as an incident to each cycle of operations for operating said time stamp to cause it to print on the record strip once in each cycle, and manual means released for operation by said coin-operated means for closing said closure across said window, for actuating said paper feed mechanism, and for conditioning the recorder for the next entry.

2,387,313

SWITCH ELECTROLYTE

Elwood J. Wilson, Jr., Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application February 7, 1944, Serial No. 521,369
3 Claims. (Cl. 200-152)



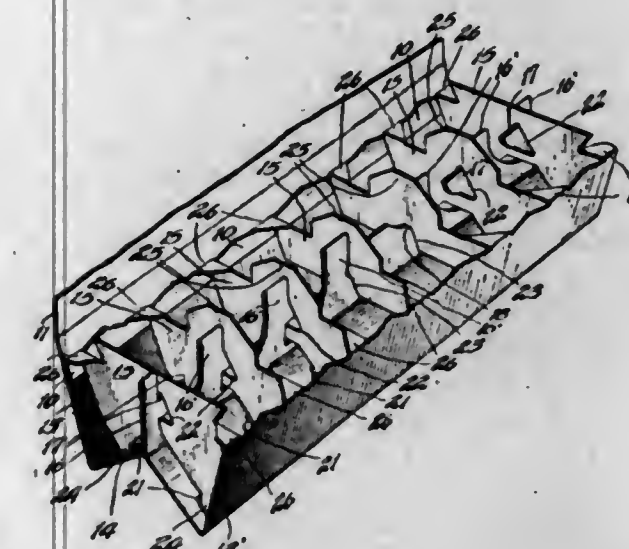
1. A liquid level switch comprising a closed receptacle containing an electrolyte, electrode

means within said container having a surface adapted to contact said electrolyte to provide a current-conducting path from said electrolyte to said electrode means, said electrolyte comprising ethanol and water containing an iodine of an alkali metal at a concentration in the range 0.1 N to 1.5 N.

2,387,314

CARTON

John W. Cox, Chicago, Ill., assignor to Self-Locking Carton Co., Chicago, Ill., a corporation of Illinois
Application December 22, 1941, Serial No. 423,885
2 Claims. (Cl. 229-28)



1. A knock-down cellular carton, comprising oppositely arranged side walls, cross partitions attached at their ends to said walls in a series and hinged above their centers to swing downwardly from generally horizontal positions to spaced upright positions, a longitudinal partition joined to said side walls by bottom wall sections and having longitudinally directed retaining members traversing the upright planes of said cross partitions and also having upstanding bracing members extending above the planes of the hinges and tops of said retaining members adjacent the upright planes of said cross partitions, at least some of said cross partitions having medial apertures spaced from their upper and lower margins and located to receive said retaining members as the cross partitions are swung to upright positions, said cross partitions also having upwardly extending portions above said apertures in position to abut said bracing members when the cross partitions are in upright positions.

2,387,315

PACKAGE STACKER

Harry M. Cross, Rochester, N. Y.
Application December 9, 1944, Serial No. 567,383
2 Claims. (Cl. 198-158)

1. A device of the class described comprising in combination, a base, a horizontal trunnion mounted on the base, a substantially rectangular elongated frame mounted on said trunnion, a counterweight on the lower portion of said frame tending to retain the latter upright, an endless chain, a driving and a driven sprocket for said chain, means to adjust one of said sprockets on said frame whereby the chain may be adjusted, driving means including suitable gearing connected with said driving sprocket, and a plurality of package-supporting carriers spaced at intervals on and movable with the chain, said carriers being mounted in the manner of pendulums so

that they remain substantially upright regardless of their position on the chain while the en-

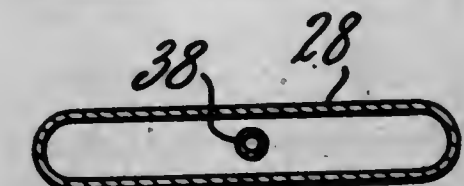


tire device is in normal operation and also movable parallel to the plane of the sprockets as may be required in operation.

2,387,316

FUEL SUPPLY SYSTEM

Marion M. Cunningham, South Bend, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application February 27, 1943, Serial No. 477,459
1 Claim. (Cl. 277-21)

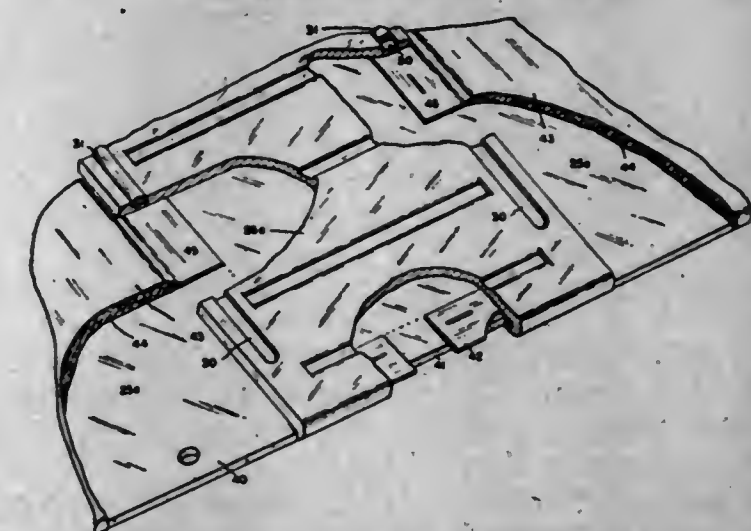


A device for withdrawing liquid from a container comprising in combination a conduit open at its ends, a valve for controlling each end of the conduit, a pivot supporting each valve at a point above the conduit whereby the valve tends to drop by gravity to closed position when the conduit is horizontal, a push rod having each of its ends pivoted to one of said valves below the supporting pivot of the valve, said valves constituting the sole supporting means for said push rod, the rod passing freely through the conduit between the valves, and an eduction conduit connected to the first-mentioned conduit at a point between the valves.

2,387,317

TRIM PANEL

George R. Cunningham, Grosse Pointe Farms, Mich.
Application February 24, 1941, Serial No. 380,155
1 Claim. (Cl. 45-138)



A decorative and protective panel for the interior trim of a vehicle, said panel consisting of

a molded member provided with a groove adjacent at least one of its edges and fastening means for said panel lying in said groove with its outer face slightly above the face of said member, said fastening means having parts extending through openings in said panel whereby to fix the latter to a support.

2,387,318

POLYMERIZATION CATALYST

Harry E. Drennan, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application June 7, 1941,

Serial No. 397,133

7 Claims. (Cl. 252-217.3)

2. A process for the preparation of a substantially non-hygroscopic and moisture-free catalyst which comprises heating under moisture-free conditions a mixture of a major proportion of phosphorus pentoxide and a minor proportion of a metal oxide selected from the group consisting of the oxides of copper, magnesium, iron, zinc, aluminum, tin, and nickel, together with a coke-forming hydrocarbon to a temperature and for a period of time sufficient to form a hard, porous catalytic material in which the phosphorus pentoxide and the metal oxide are intimately bound with coke.

5. A catalyst for the conversion of hydrocarbons prepared by the method of claim 2.

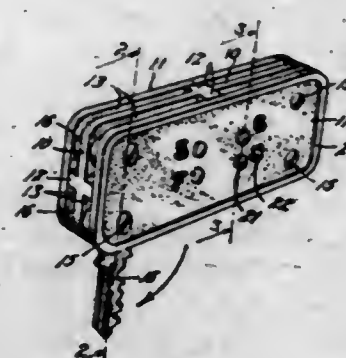
2,387,319

KEY CONTAINER

Glenn E. Evans, Denver, Colo.

Application February 15, 1944, Serial No. 522,499

3 Claims. (Cl. 70-456)



1. A key container comprising: a flat central partition member; two side plates; a spacing member separating each side plate from said central partition member, said spacing members extending longitudinally and transversely of said partition member along the medial lines thereof to divide the container into eight key pockets; four flat spring members each terminating in two of said pockets to retain keys therein; a push button secured to each spring member adjacent each extremity thereof, said push buttons extending through openings in said side plates to the exterior thereof; and means for pivoting a key in each of said pockets.

2,387,320

HIGHLY STRETCHABLE YARN

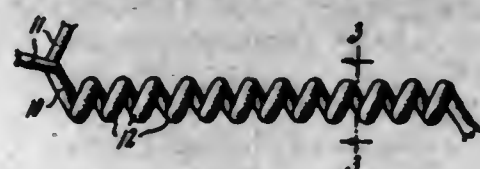
Boutwell H. Foster, Maplewood, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application August 5, 1944, Serial No. 548,268

9 Claims. (Cl. 57-139)

1. An all-textile yarn having high stretch characteristics, comprising a yarn having a crepe

twist and which in this highly twisted condition is coiled helically about a central axis in the direction it is twisted, so that it has in its relaxed



condition a diameter that is more than twice the diameter of the uncoiled yarn and a greater number of helical coils per inch than the twists of the crepe yarn per inch forming such helix.

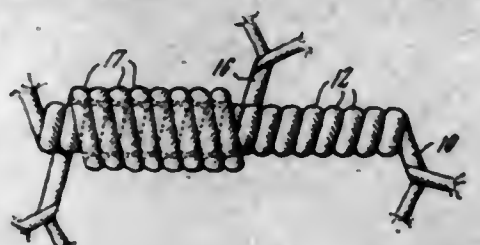
2,387,321

METHOD OF MAKING HIGHLY STRETCHABLE TEXTILE YARN

Nassib Haddad, Iselin, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application November 22, 1944, Serial No. 564,566

4 Claims. (Cl. 57-160)



1. The method of making an all-textile yarn having high stretch characteristics, which comprises winding a crepe twist yarn about a destructible core yarn in the same direction as the twist of the crepe yarn to form a first cover, winding a destructible yarn thereover to form a second cover, winding a second crepe twist yarn that is twisted in the opposite direction to the first crepe yarn over said second cover in the same direction as the twist of the second crepe yarn to form a third cover, and thereafter destroying only said core yarn and second cover so that the remaining first and third covers together form a balanced yarn having high extensibility and rapid elastic recovery.

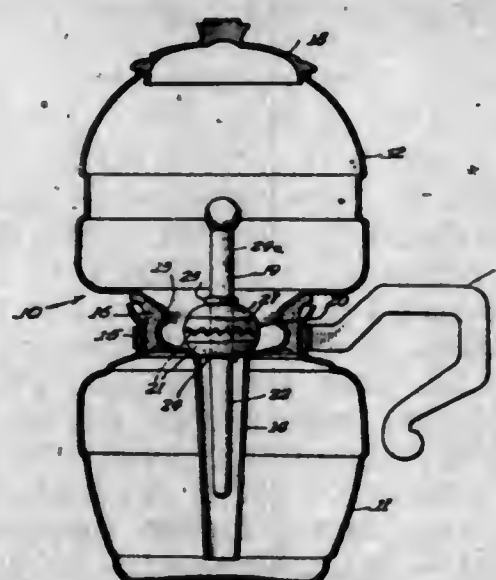
2,387,322

COFFEE BREWER

John G. Francis, Chicago, Ill., assignor to Chamberlain, Inc., Chicago, Ill., a corporation of Illinois

Application March 19, 1942, Serial No. 435,330

7 Claims. (Cl. 99-292)



1. In a vacuum type percolator having upper and lower containers and a tube extending from the upper container into the lower, a gravity seated valve for said tube comprising a plurality of vitreous valve members adapted to seat one

upon another and cooperating to provide a valve part for seating upon the lower end of the upper container, each of said members having a central opening providing a bore extending longitudinally through said valve part, at least one of said members having a plurality of transversely extending filtering grooves arranged on at least one face thereof, a valve stem of vitreous material extending through said bore, said bore having a cross-sectional area greater than that of said stem to provide a passage communicating with said filtering grooves, and means for removably mounting said valve members in operative position upon said valve stem, said means comprising spaced projections on the stem and adapted to receive said plurality of vitreous members therebetween.

2,387,323

ANTIRUSTS

James W. Gaynor, Whiting, Ind., and Claron N. White and Roger W. Watson, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application November 8, 1943,

Serial No. 509,470

14 Claims. (Cl. 252-51.5)

1. A composition of matter comprising a major proportion of an oil and a minor, corrosion-inhibiting proportion of an amidoxime.

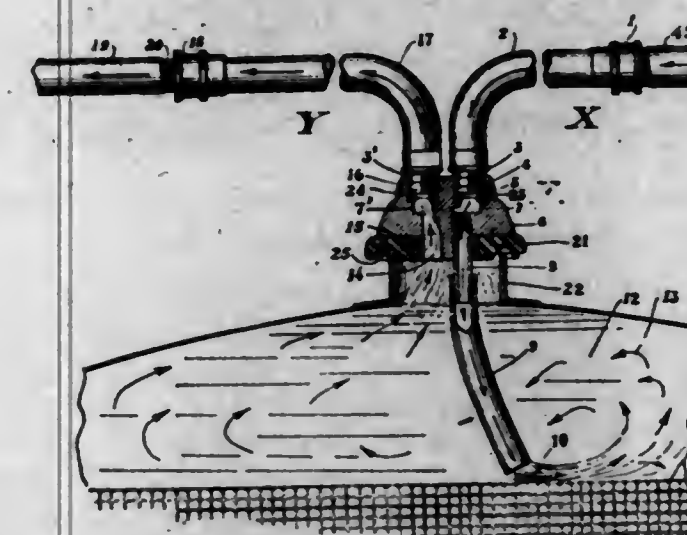
2,387,324

METHOD OF AND DEVICE FOR CLEANING AUTO RADIATORS

Leonard Glickman, Miami Beach, Fla.

Application December 30, 1941, Serial No. 424,976

15 Claims. (Cl. 134-22)



1. In a cleaner device, a body portion comprising an inlet means, a connecting conduit of substantially restricted cross section relative to said inlet means and in continuation thereof, said connecting conduit extending through said body portion, an outlet means, and a conduit connected therewith and extending through said body portion, said inlet and outlet means being disposed at the same end of said body portion.

2,387,325

CONTAINER

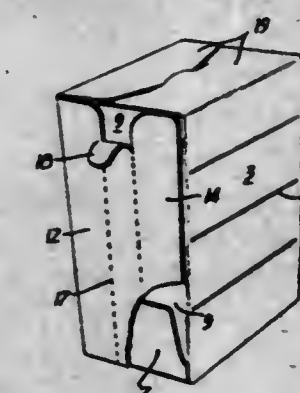
Charles H. Goodyear, Stockton, Calif., assignor to Fibreboard Products Inc., San Francisco, Calif., a corporation of Delaware

Original application March 4, 1938, Serial No. 193,936. Divided and this application October 4, 1940, Serial No. 359,631

8 Claims. (Cl. 229-51)

1. A container comprising opposed ends and opposing lateral walls, a flap foldably connected

to one of said opposing walls to form a third wall, a sealing flap foldably connected to the other of said opposing walls and overlying the third wall, said sealing flap having spaced lines of weakness to form an intermediate tear strip and an outer fastening strip, means for securing the fastening strip to said third wall, a flap forming a fourth wall, a sealing flap, said fourth wall flap and said last named sealing flap being foldably connected respectively to said opposing walls, said last named sealing flap overlying said fourth wall flap and having spaced lines of weakness



to form an intermediate tear strip and an outer fastening strip, means for securing said last named fastening strip to said fourth wall, the fold lines for said flaps and the said lines of weakness extending transversely of the container ends, one of said container ends being constituted by disengageable end flaps, each of said end flaps being foldably connected to one of said walls, said end flaps being disengageable following tearing of the container on said lines of weakness by outward folding of the lateral walls to which the same are secured.

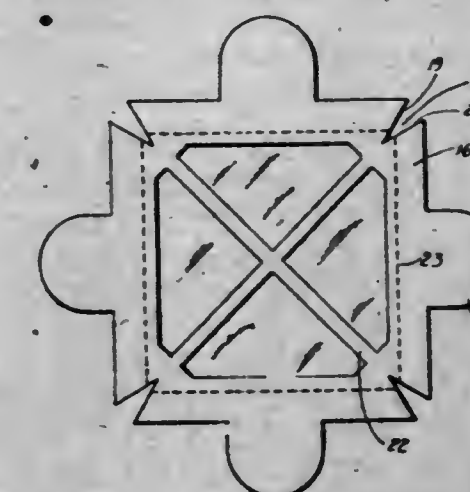
2,387,326

MEANS FOR COMPLETING THE PACKAGING OF BERRIES

Gale Harrison, Ivanhoe, N. C.

Application February 22, 1944, Serial No. 523,389

8 Claims. (Cl. 206-44)

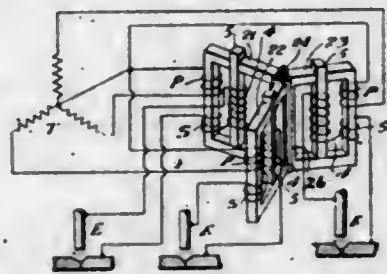


8. A cover for a berry box having a ribbon type reinforcing rim around the top of the body of the box comprising, a frame having four sides with V-shaped acute angular portions initially cut out at the corners, the apex of the V extending toward the central axis of the frame, whereby the sides of the frame may be bent until the opposite sides of the V substantially meet, thereby forming a polygonally shaped saucer-like frame of considerable stiffness, a transparent member supported by the interior parts of the cover frame and forming the bottom of the saucer-like structure, and ears extending from only the mid portion of each side of said frame for slipping between the body of the box and at least part of the rim to hold the cover on the box with the outer edges of the cover frame seated against the outer edge of the box rim.

2,387,327

ALTERNATING CURRENT REGULATING MEANS

Claude J. Holslag, South Orange, N. J., assignor to Electric Arc, Inc., Newark, N. J.
Application April 1, 1942, Serial No. 437,103
3 Claims. (Cl. 315-144)

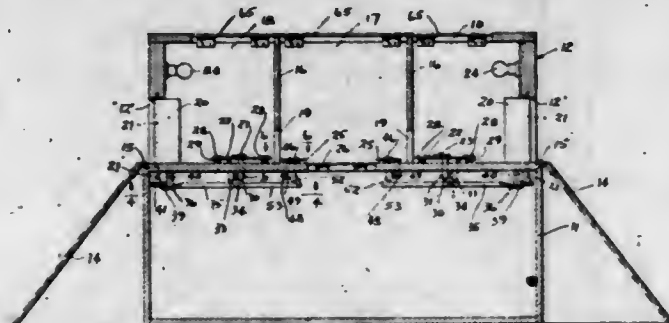


3. For a welding system utilizing a plurality of simultaneously acting cooperative arcs, a plurality of reactor structures, one for each arc, each reactor having a leg positioned with a leg of all the other reactors to form a common flux path, and a movable core leg forming a part of said flux path to simultaneously change the reactive effect of all the reactors.

2,387,328

ANIMAL TRAP

Nathan Horowitz, Brooklyn, N. Y., assignor of twenty-five per cent to Henry L. Horowitz, Bronx, N. Y.; twenty-five per cent to Philip Fleischer, New York, N. Y.; and twenty-five per cent to Alfred Smolovit, Brooklyn, N. Y.
Application June 7, 1944, Serial No. 539,138
9 Claims. (Cl. 43-99)

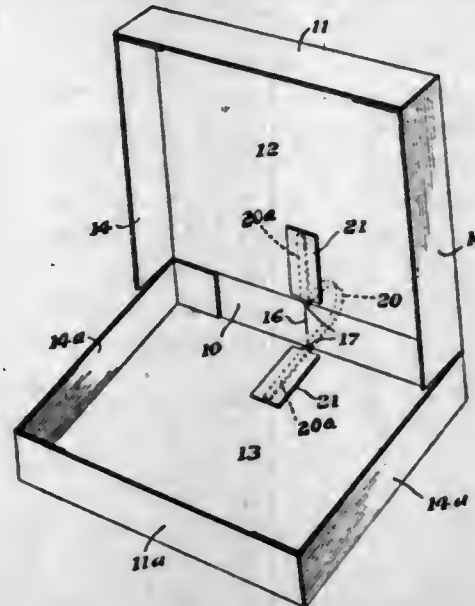


9. An animal trap, comprising a bottom receptacle for resting on the floor or other support, a top housing mounted in the top of said receptacle and divided into a dark chamber connected by an opening with an adjacent light chamber and having another opening in its side wall through which animals may enter the light chamber, a closure for closing said latter mentioned opening, a bait platform within said light chamber, a blinding flood light over said door for driving an animal in said light chamber to said dark chamber when illuminated, an animal shocking platform in said dark chamber adjacent the opening to the light chamber, means for closing said closure when an animal gets upon said bait platform, means for illuminating said floodlight when and while an animal is on said bait platform, means for opening said closure when an animal mounts said shocking platform, a trap door in said dark chamber to said bottom receptacle, means for shocking an animal on said shocking platform to induce it to leap on to said trap door and fall into said bottom receptacle, said means for closing said closure being connected with said bait platform, and said means for opening said closure being connected with said shocking platform and arranged so that when one of said platforms is up, the other is down, and vice versa.

2,387,329

CONTAINER WITH HANDLE

Arthur C. Jacobs, Chicago, Ill.
Application May 29, 1943, Serial No. 489,031
4 Claims. (Cl. 229-52)



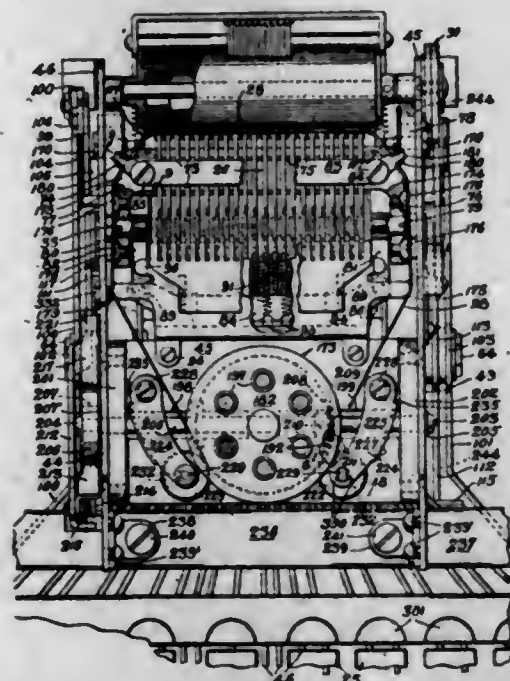
1. A container comprising a compartment section, a cover section, and a top portion connecting said compartment and cover, said top portion having a cross-wise slit therein extending its full width at substantially the center thereof and having a longitudinally extending slit at each end extremity of said cross slit, and a handle member having two end portions which extend through said longitudinal slits and are fastened to said compartment and cover.

2,387,330

RIBBON FEEDING MECHANISM FOR STENOGRAPHIC MACHINES

Clarence W. Johnson and John G. Sterling, Chicago, and Milton H. Wright and Robert T. Wright, Lake Bluff, Ill., assignors to Stenographic Machines, Inc., a corporation of Illinois

Application May 18, 1942, Serial No. 443,466
6 Claims. (Cl. 197-168)



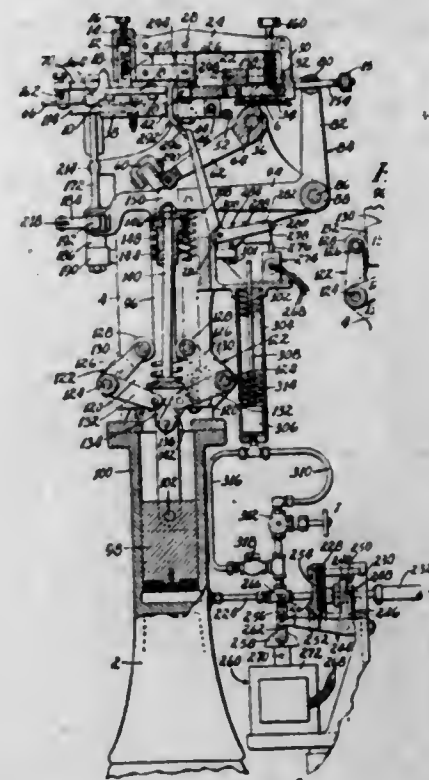
5. In a stenographic machine of the class described, a plurality of type arranged horizontally in a straight line, a ribbon guide disposed adjacent to each end of the line of type, a horizontally disposed ribbon drum spaced horizontally with respect to the type and lying within the horizontal projection of the ends of the line of type and adapted to rotate about a vertical axis, the diameter of the drum being greater than half the length of the line of type, an endless ribbon disposed across the face of the type,

around the guides and over the periphery of the ribbon drum, means feeding ink to the periphery of the ribbon drum, and means imparting rotary motion to the ribbon drum so as to feed the ribbon over the type.

2,387,331

LASTING MACHINE

Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 30, 1943, Serial No. 516,253
28 Claims. (Cl. 12-14)

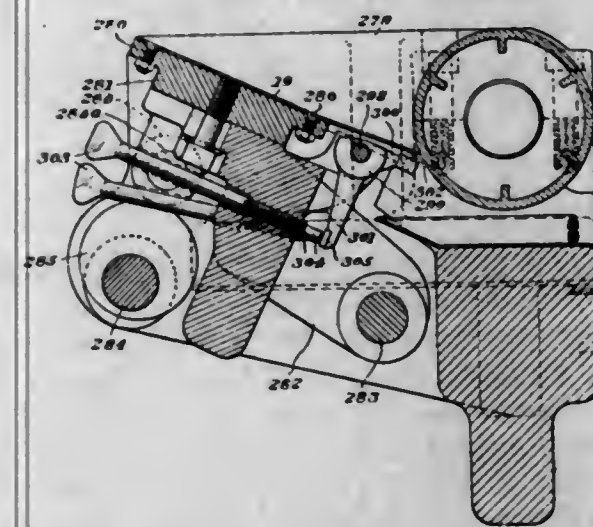


1. In a lasting machine, lasting means movable to lay the margin of an upper inwardly over an insole on a last, power-operated means for thus operating said lasting means, and means controlled by contact of the shoe therewith for starting the operation of said power-operated means.

2,387,332

INKER MECHANISM

John Kunz, Pittsburgh, Pa., assignor to Miller Printing Machinery Co., Pittsburgh, Pa., a corporation of Pennsylvania
Original application August 3, 1940, Serial No. 350,705. Divided and this application October 17, 1941, Serial No. 415,404
2 Claims. (Cl. 101-365)



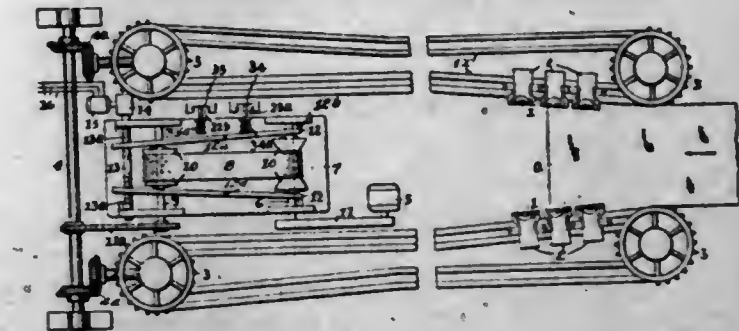
1. In an inker having an ink fountain, a fountain roll therein and a fountain blade cooperating with the fountain roll in usual manner, a support carrying the fountain blade, the support being pivoted about an axis near the operative edge of the fountain blade, a rotary cam underlying the support and positioned farther from the axis of

the support pivot than the operative edge of the fountain blade, the cam having its peripheral surface in engagement with the support, and means for turning the cam to pivotally move the support to bodily angularly shift the position of the fountain blade relatively to the fountain roll.

2,387,333

TENTERING MACHINE SPEED CONTROL

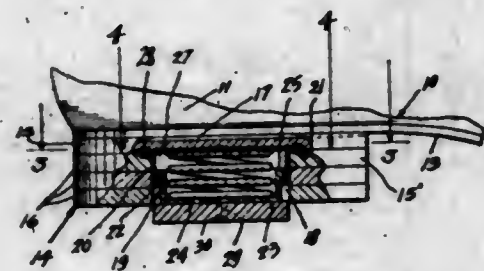
Adolph W. Kuzinski, Passaic, N. J.
Application March 9, 1945, Serial No. 581,916
5 Claims. (Cl. 26-57)



1. The combination, with a machine for simultaneously lengthwise advancing and transversely stretching sheet material, a master motor, and a drive for said machine operatively interposed between the same and the motor and including a variable-speed transmission movable alternately to two positions in one of which said transmission drives said machine at low speed and in the other at high speed, of means to form, with an electric energy source, an electric circuit, said means including a main power line having a break therein and a pair of main return lines one of which has, arranged in succession from said main power line, a primary break, a secondary break and a magnetic coil, and the other of which has, arranged in succession from said main power line, a break and a magnetic coil, said main power line having, between the break therein and the juncture of the said main return lines therewith, a bypass line extending to the second-named main return line and having a break, a reversible rotary means, including a three-phase electric motor having its driven member operatively connected with said transmission, for moving the latter to one or the other of its said positions when such reversible rotary means is respectively rotated in one direction or the other, a subsidiary power line extending to said electric motor and having a pair of branches to be connected to said main power line, two subsidiary return lines extending from the latter motor and each having a pair of branches to be connected to at least one main return line, means, including armatures for the respective coils, movable by the latter to electrically connect said subsidiary line branches with the main power line and the branches of the subsidiary return lines with at least one main return line, independent means respectively to close said secondary break in the first-named main return line and the break in the second-named main return line, said independent means being normally urged into closing relation to the latter breaks but arranged to be displaced by said transmission alternately out of said relation on movement of the transmission alternately in one direction and the other, a circuit-closer normally urged into closing relation to the break in said by-pass line but arranged to be moved by the advancing material into closing relation to the break in the main power line, and a circuit-closer, aft of the last-named circuit-closer relatively to the advance of said material, normally urged out of but movable by the advancing material into closing relation to said primary break in the first-named return line.

2,387,334 HEEL LIFT

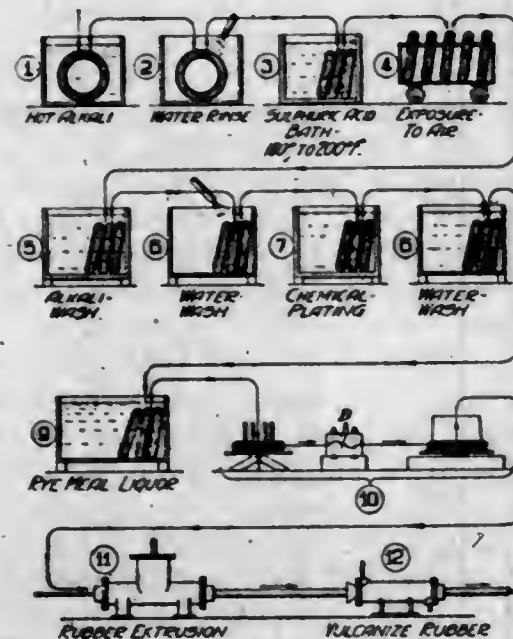
Charles B. Lemke, Chicago, Ill.
Application December 10, 1943, Serial No. 513,677
1 Claim. (Cl. 36—38)



A shoe heel lift comprising a ring section, a flange on the said section, a cover plate, means for securing said plate to said flange, a cup telescopically arranged within the ring section, a spring arranged between the cover plate and the cup, a lift carried by the cup, and means for securing the lift to the cup, in combination with a heel structure having an opening for the reception of the ring section and the cup, and a layer adapted to overlie the cover plate.

2,387,335 RUBBER ADHERENT WIRE

William E. Leonard, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application June 18, 1943, Serial No. 491,339
11 Claims. (Cl. 18—59)



1. In the treatment of ferrous metal stock to increase its rubber-adherent characteristics, the method which comprises washing the stock in an alkali solution, rinsing the stock in water to remove any adherent alkali, etching the surface of the stock in an acid bath whereby the surface thereof is rendered somewhat irregular, withdrawing the stock from the etching bath and exposing it to the action of atmospheric air for a determined time interval whereby the surface of the stock becomes more deeply etched and irregular due to the combined action of air and acid clinging to the surface, cleaning the stock with an alkali solution and water, chemically depositing a layer of metal over the irregular roughened surface of the thus treated stock whereby the irregularities effected by the prior steps are reflected in the coated stock, and then applying a body of rubber to the irregular chemically deposited metallic layer.

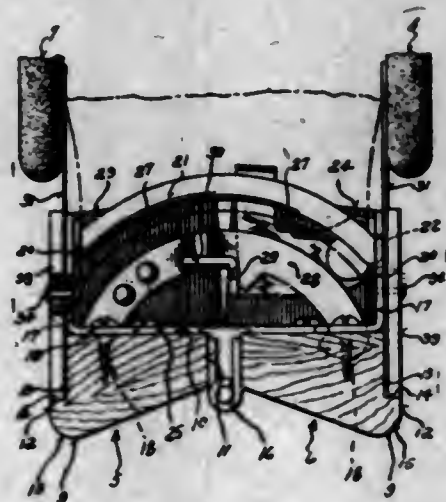
2,387,336 PEST CONTROL

Clarence A. Littler, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 19, 1941, Serial No. 419,696
4 Claims. (Cl. 167—42)

1. A pest control adhesive composition comprising a water-insoluble aliphatic amine containing at least 8 carbon atoms in linear chain with the amino group and a cationic dispersing agent.

2,387,337

LOOSE-LEAF BINDER CONSTRUCTION
Adolph G. Lotter, Milwaukee, Wis., assignor to Stationers Loose Leaf Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 9, 1943, Serial No. 493,995
4 Claims. (Cl. 129—17)



1. In a loose leaf binder, complementary hinged connected binder heads each comprising: a wooden back member having an inner face and an outer edge provided with a rabbet; an angle bar extending lengthwise of the back member; fastening means passing through one flange of the angle bar and securing the same to the inner face of the back member with its other flange upstanding and substantially flush with the bottom of the rabbet in the outer edge of the back member; a cover; a sheet of tough flexible material fixed to the cover and overlying the bottom of the rabbet and the upstanding flange of the angle bar which is flush therewith; a finishing strip covering that portion of the flexible sheet which overlies said upstanding flange and the bottom of the rabbet; and rivets passing through said finishing strip and said upstanding flange of the angle bar to clamp said parts together with the flexible sheet firmly held therebetween.

2,387,338

COMPOSITIONS OF POLYMERIZED CHLOROPRENE

Alexander D. Macdonald, Newton, Mass., assignor to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts
No Drawing. Original application January 31, 1940, Serial No. 316,513. Divided and this application October 19, 1942, Serial No. 462,512
4 Claims. (Cl. 260—32)

1. A liquid composition comprising malodorous-free plastic polymerized chloroprene dissolved in an organic solvent for the polymerized chloroprene, said composition being characterized by resistance to thickening and gelling over a substantial period of time and by the presence therein of sodium sulphanilate.

2,387,339 CHUCK

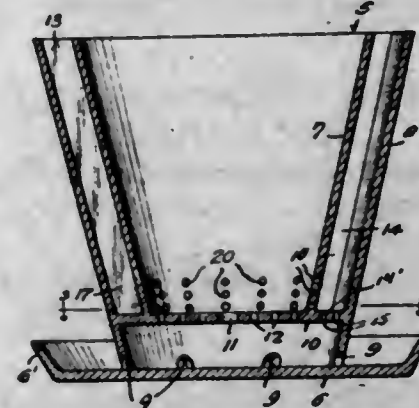
George J. Meyer, Milwaukee, Wis.
Application August 21, 1943, Serial No. 499,532
4 Claims. (Cl. 279—9)



1. In a chuck of the type having shiftably mounted jaws for centering and gripping a cylindrical tool shank, a chuck body carrying said jaws and having an apertured mounting end and an opposite axial opening to receive the tool shank, said chuck body further having an axial opening of non-circular cross-section at the inner end of said tool shank opening and exposed to the mounting end of the chuck body, and a clutch member fitting in said non-circular opening against relative rotation in both directions and being insertible therein from the mounting end of the chuck body, said clutch member having substantially radial teeth at the inner end of said opening forming radiating drive shoulders, said drive shoulders being adapted to engage complementary radiating shoulders on the end of the tool shank.

2,387,340

HUMIDIFIED FLOWPOT OR CONTAINER
Mary A. Moriarty, Naugatuck, Conn.
Application July 10, 1944, Serial No. 544,187
4 Claims. (Cl. 47—38)



1. In a flower pot, vertical and horizontal walls coating to provide a soil chamber with a horizontal wall protruding beyond the vertical wall and provided with drain openings, an outer vertical wall surrounding the first-named vertical wall and spaced therefrom and formed on the horizontal wall and terminating in a plane below the latter, and groups of partitions connecting the first and second-named vertical walls and the horizontal wall and providing air circulating flues, water chambers and humidity chambers all terminating flush with the upper ends of the first and second-named walls, said first-mentioned vertical wall having perforations connecting with the air circulating flues and with certain of the water chambers.

2,387,341

BROMINATION OF 2,6-NITRO CHLOR TOLUENE

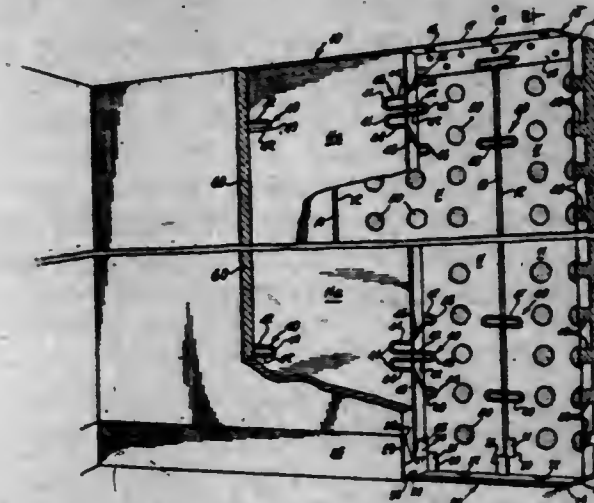
James Ogilvie, Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application July 7, 1942, Serial No. 450,077
11 Claims. (Cl. 260—646)

1. In a process for the production of 2,6-nitro chlor benzyl bromide by bromination of 2,6-nitro chlor toluene, the improvement which comprises treating 2,6-nitro chlor toluene with bromine, at a temperature within the limits from about 120° to about 150° C., and terminating the treatment with bromine upon bromination of about 50% of the 2,6-nitro chlor toluene.

2,387,342

PLASTER PARTITION CONSTRUCTION

Anders C. Olsen, Forest Hills, N. Y.
Application June 29, 1944, Serial No. 542,644
2 Claims. (Cl. 72—46)

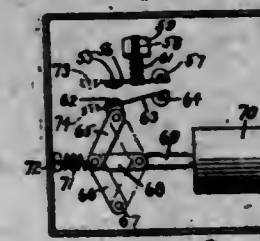


1. A base for a plaster partition construction comprising two juxtaposed layers of panels arranged adjacent one another, each of the panels being of a length corresponding to the height of the partition, the joints between the panels of one layer being offset with respect to the joints between the panels of the other layer, the adjacent panels of each layer being interconnected at the joints therebetween by wire clips applied at spaced intervals along said joints, said clips having portions lying between the opposed faces of the two layers to space the said layers from one another.

2,387,343

CLUTCH CONTROL

Erwin J. Panish, Bridgeport, Conn.
Application August 29, 1941, Serial No. 408,726
20 Claims. (Cl. 192—01)



1. In combination with a direct current motor having an armature and field winding, and an energizing circuit therefor including current supply means, power control means for interrupting said circuit; control means for energizing the field winding from said current supply means independently of the armature whereby a magnetic brake is applied by the field to the armature and automatic means rendering said control means operative upon operation of said power control means to interrupt the motor circuit.

fastening means, of a support for a form having thereon an insole and the heel part of an upper to be fastened to the insole, said support being mounted for work-presenting movement from an initial work-receiving position, clamps carried by said support for clamping the heel part of the upper against the sides of the form, said clamps being pivotally mounted for swinging movements about axes extending lengthwise of the form, a pair of levers fulcrumed between their ends on said support and pivotally connected together in a toggle-like relation to each other, said levers being connected to the clamps in locations between the axes and the work-engaging portions of the clamps for swinging the latter into their clamping positions, and means for swinging said levers thus to operate the clamps.

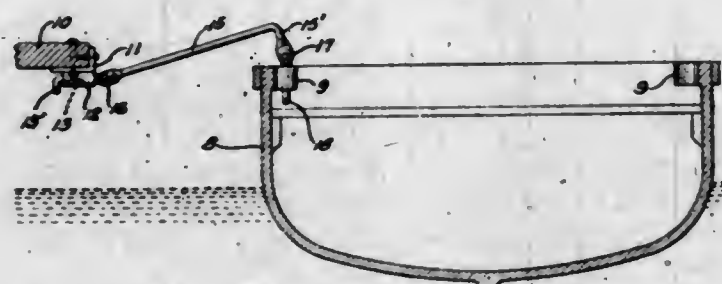
2,387,352

BOAT HITCH

Curtis L. Radick, New Berlin, Wis.

Application August 12, 1944, Serial No. 549,150

12 Claims. (Cl. 114-230)



12. A mooring device for a boat having oar lock sockets comprising a pair of rigid mooring arms, means for pivotally connecting one end of each of the arms to a dock including a joint at the inner end of the arm which provides for rotating movement on a horizontal axis and for pivotal movement in a vertical plane when the arm is in operative position on an axis at right angles to the axis of rotating movement, and a pin pivotally suspended from the outer end of each arm and positioned to be engageable within one of the oar lock sockets when the arm is swung downwardly from a raised position, the joint at the inner end of the arm being constructed to prevent swinging movement of the arm in a lateral direction when it is engaged with a socket, the axis of pivotal connection between the pin and the outer end of the arm being parallel to the axis for vertical swinging movement at the inner end of the arm.

2,387,353

SAFETY DEVICE FOR PRESSURE VESSELS

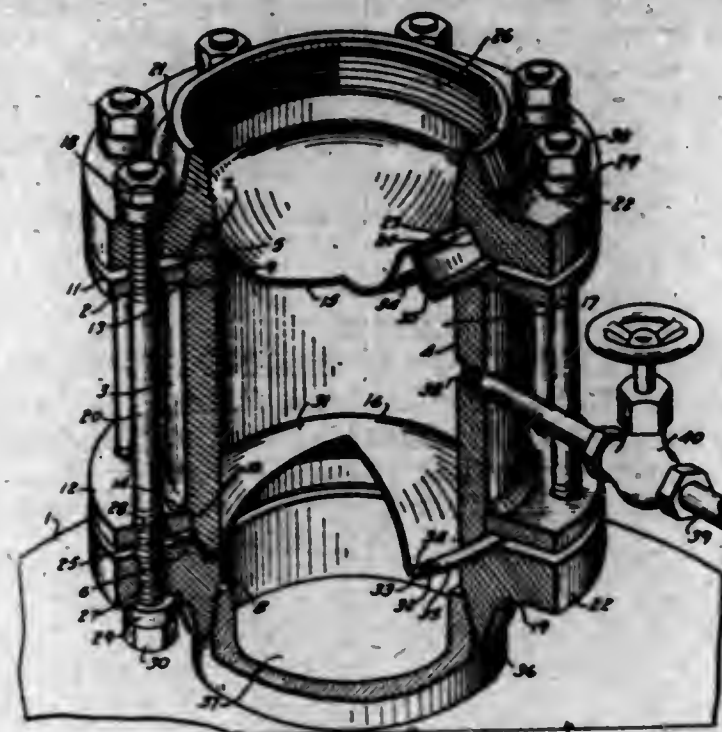
Gwynne Raymond, Oklahoma City, Okla.

Application May 17, 1943, Serial No. 487,253

3 Claims. (Cl. 220-89)

1. A safety pressure device including a tubular body providing a relief passageway therethrough, concavo-convex frangible diaphragms closing ends of the tubular body with the convex sides of said diaphragms in facing relation and with the concave sides adapted to be subjected to differential pressures, said diaphragms being adapted to fracture when the pressure acting on the concave side of one diaphragm exceeds a predetermined maximum pressure for relieving said pressure through the relief passageway, and said relief passageway being normally evacuated to

prevent pressures less than the bursting pressure acting on the concave side of one diaphragm



from distorting the convex side of the other diaphragm.

2,387,354

TEXTILE FABRIC

Raymond E. Reed, St. Paul, Minn., assignor to The Kendall Company, Walpole, Mass., a corporation of Massachusetts

No Drawing. Original application February 5, 1937, Serial No. 124,235. Divided and this application August 6, 1941, Serial No. 405,623

9 Claims. (Cl. 154-46)

1. A fibrous structure of the character described, composed essentially of intermingled, unorganized, textile fibers united by discrete de-esterified cellulose ester bonds and secured thereby in relatively fixed relationship to each other.

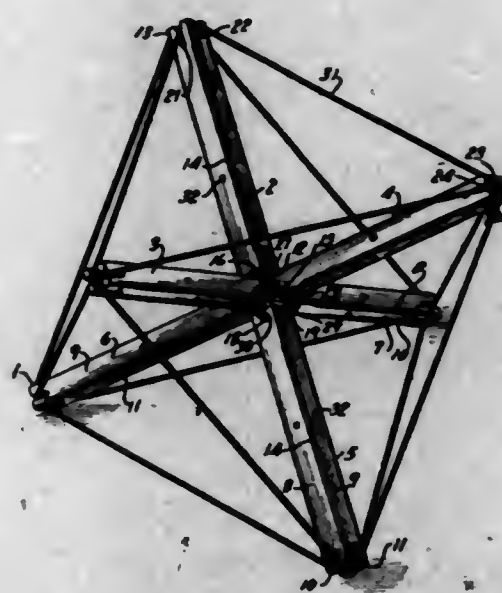
2,387,355

JETTY STRUCTURE

George W. Rehfeld, Manhattan, Kans.

Application June 27, 1942, Serial No. 448,813

10 Claims. (Cl. 61-3)



1. A concrete jetty including, members arranged in converging relation with ends thereof in abutting contact to form a substantially tripod support, arm members having ends movably engaged with the abutting ends of said support and diverging outwardly, means retaining said ends in movable contact, and lacing connecting said members.

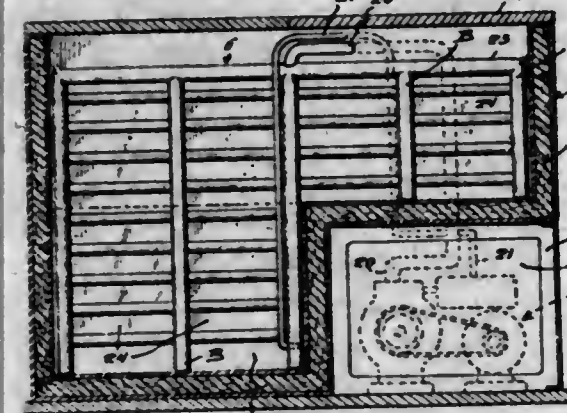
2,387,356

REFRIGERATOR

Floyd L. Robison, Fort Smith, Ark.

Application March 10, 1944, Serial No. 525,923

6 Claims. (Cl. 62-126)



1. In combination with an open top cooling cabinet, a cooling unit within said cabinet, means for circulating a cooling agent through the unit, the unit consisting of a plurality of vertical risers and a plurality of longitudinally arranged flow tubes connected thereto and coacting therewith in forming the unit with a plurality of material compartments, wall plates grooved to form seats and arranged in pairs to receive the flow tubes and secured thereto and coacting therewith in completing the walls of the material compartments of substantially solid formation and to strengthen the flow tubes permitting comparatively light stock to be employed in the construction of said tubes.

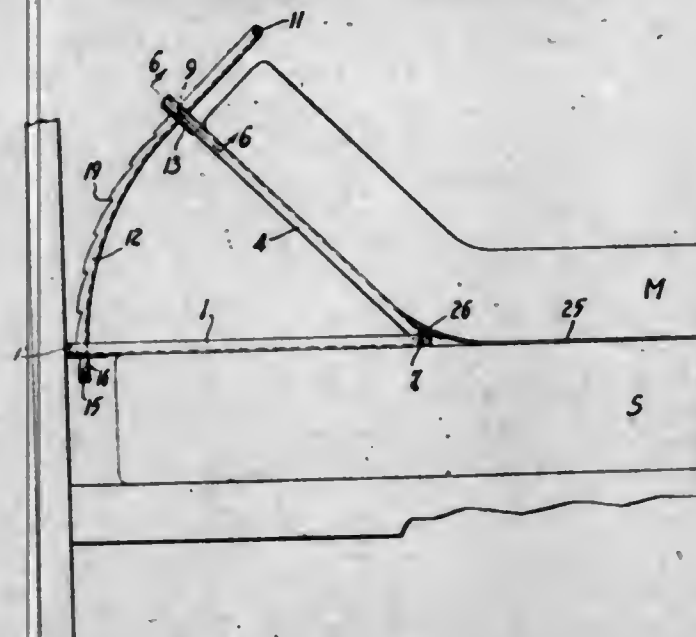
2,387,357

BACK REST FOR BEDS

Brooks E. Rogerson, Chagrin Falls, Ohio

Application January 7, 1943, Serial No. 471,531

1 Claim. (Cl. 5-71)



A back-rest for a bed, in the form of a self-contained accessory adapted to be removably placed between the springs and mattress of the bed and comprising a lower part to be supported upon the springs and an adjustable upper part to support the mattress in the desired inclined position, said upper part being pivotally connected at the lower end thereof to the front end of said lower part so as to be adjustable about a horizontal axis for raising and lowering the same, said upper and lower parts being separate from the bed and being of substantially plain flat form throughout and being connected directly to each other so as to lie substantially flat throughout when the upper part is in fully lowered position, and a substantially U-shaped locking member having resilient arms pivotally mounted upon the

rear part of said upper member for movement about a horizontal axis, said U-shaped member having pins projecting laterally from opposite arms thereof, apertures in portions of said upper member receiving said pins, releasable rigid means extending between the arms of said locking member so as to hold the same in such pivotal engagement, the arms of said U-shaped locking member being movable laterally upon release of said rigid means for effecting engagement or disengagement of said pins, whereby the locking member may be removed and placed in substantially flat condition with the other parts for shipping or storage, and said locking member having means for releasable locking engagement with the rear part of said lower member and having an upwardly extending handle portion readily accessible for manipulation by the hand of the user while occupying position in the bed.

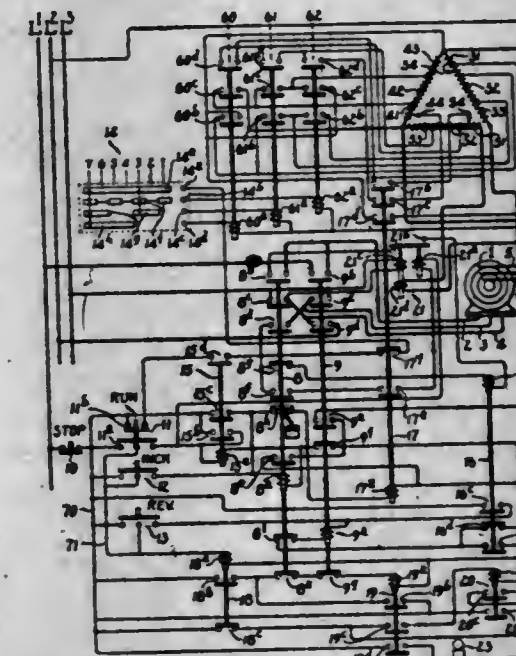
2,387,358

CONTROLLER FOR MOTOR-DRIVEN PRINTING PRESSES AND OTHER MACHINES

William H. Rouse, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application February 11, 1943, Serial No. 475,527

12 Claims. (Cl. 177-311)



1. In a motor controller, in combination, an electro-responsive motor starting switch, a manual switch through the medium of which the former switch may be rendered responsive, a signaling device, and means acting upon a given operation of said manual switch to render said signaling device responsive and acting upon subsequent given manipulation of said manual switch to effect response of said starting switch, said means being under the control of said electro-responsive starting switch for reset of said means immediately upon response of said starting switch, to be effective for the aforementioned functions when restarting through the medium of said manual switch is attempted.

2,387,359

SOAP DISPENSER

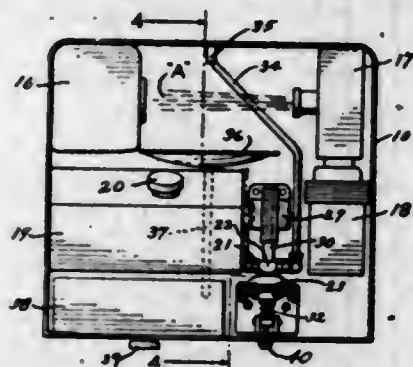
Earl J. Scarry, Denver, Colo.

Application November 12, 1943, Serial No. 510,057

1 Claim. (Cl. 222-52)

A surgeon's soap dispenser comprising: a cabinet having front and back walls, there being a window in the front wall; means for hingedly mounting the front wall; a soap reservoir in said cabinet below said window; a diaphragm pump in said cabinet below said reservoir with its in-

take in communication with said reservoir; a discharge tube from said pump terminating above said window; an electrical solenoid mounted on said back wall above said pump; an operating lever operatively connected to said pump at its one extremity and hingedly mounted at its



other extremity; a link connected to said lever; an armature in said solenoid connected with said link to transmit operative movement through said lever to said pump; and means for energizing said solenoid in consequence of the insertion of the hands of a user through said window.

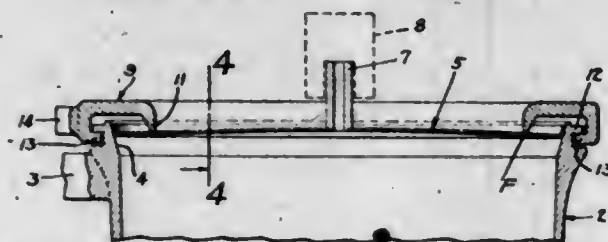
2,387,360

CLOSURE FOR PRESSURE VESSELS

Elmer H. Smith, Minneapolis, Minn.

Application August 20, 1942, Serial No. 455,529

6 Claims. (Cl. 220-40)



4. A pressure vessel comprising a body provided with an outwardly facing annular seat, a cover having its outer marginal edge portion resting on said seat in non-sealing relation therewith and adapted to be forced into sealing relation with said seat when pressure is generated within the vessel, said seal being made only upon movement of the major portion of said cover in an outward direction, and an integral annular cover retaining member secured to said body and having a downwardly extending annular flange initially lightly engaging the upper face of said cover at points spaced inwardly from the seat to hold said cover in its non-sealing relation with the seat and from disengagement with the body, said cover otherwise free to cooperate with said downwardly extending flange to provide a pronounced lever action at the marginal edge portion of said cover in a direction toward the seat as the major unsupported central portion of said cover is moved outwardly due to internal pressure generated in the vessel, whereby the marginal edge portion of the cover is forced into its sealing engagement with said seat and with varying degrees of sealing as pressure develops within the vessel.

2,387,361

METHOD OF TREATING OIL WELLS

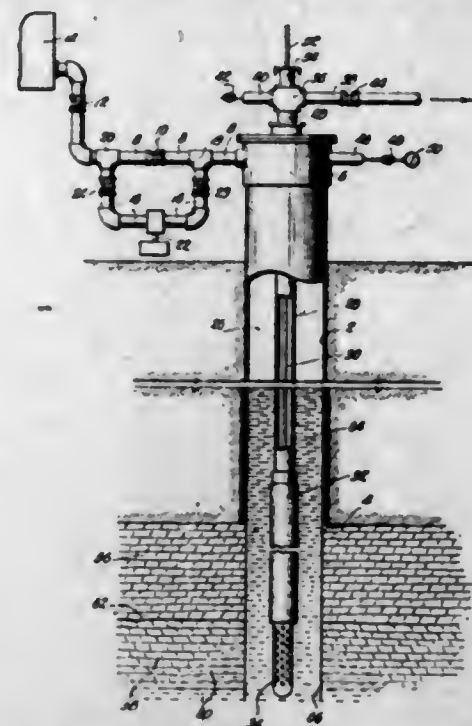
Eugene A. Stephenson, Lawrence, Kans., assignor to The University of Kansas Research Foundation, Lawrence, Kans., a corporation of Kansas

Application June 29, 1943, Serial No. 492,700

1 Claim. (Cl. 166-21)

The method of treating an oil well having a liquid column consisting of oil overlying water, and a water cone in the formation around the well bore, which includes the steps of shutting in the well a sufficient period of time for the liquid

column to reach an approximate static condition; pumping liquid from a zone adjacent to the bottom of the well and supplying oil to the top of the liquid column, the weight of oil supplied being proportioned to equal the weight of the liquid being pumped from the bottom of the column whereby the hydrostatic pressure in the oil bearing formation adjacent said zone is maintained substantially constant during the period of oil



supply, said pumping and oil supply being continued until all the water in the liquid column has been removed; and thereafter applying sufficient pressure to the top of the column of oil to force the oil into the formation around and adjacent to said zone to depress the water cone and to form an emulsion of oil and water within the interstices of the formation.

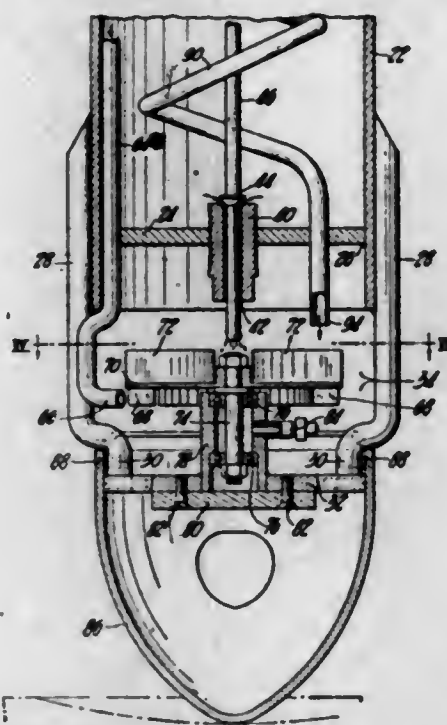
2,387,362

INGOT MOLD SPRAYER

James W. Stewart, Donora, Pa., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application April 15, 1944, Serial No. 531,152

6 Claims. (Cl. 22-88)



1. A sprayer for coating the interior of an ingot mold cavity, comprising an elongated reservoir for coating material, a head spaced from the lower extremity thereof, an impeller rotatably mounted between the reservoir and said head, said impeller having distributor vanes on one face adapted to throw coating material outwardly and propeller vanes on its other face, means for impinging a fluid against said pro-

PELLER VANES SO AS TO ROTATE THE IMPELLER, AND MEANS FOR DELIVERING A CONTROLLED QUANTITY OF COATING MATERIAL FROM THE RESERVOIR TO THE CENTRAL AXIAL REGION OF THE IMPELLER.

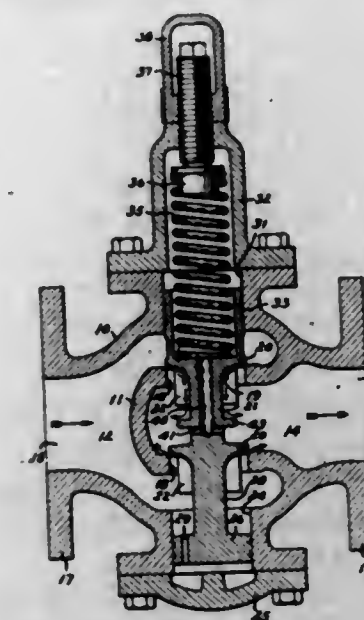
2,387,363

AUTOMATIC VALVE MECHANISM

Charles M. Terry, Decatur, Ill., assignor to A. W. Cash Company, Decatur, Ill., a corporation of Delaware

Application June 17, 1943, Serial No. 491,100

8 Claims. (Cl. 137-153)



1. Automatic valve mechanism comprising a hollow body, a partition shaped as a horizontally positioned U dividing the interior of the body into an inlet chamber and an outlet chamber, the interior of the U forming a portion of the outlet chamber and each branch of the U having a port therein with the ports vertically aligned, a vertically reciprocable valve member having two vertically spaced disks thereon connected by a central stem, the disks being associated with the respective ports to control the flow therethrough and closing in a downward direction, the body having a vertical bore therein above the upper port, a piston slidable in the bore and connected to the valve member, the valve member having a passage therein which connects the outlet chamber with the space above the piston, means to utilize the fluid flowing through the upper port to aspirate fluid from the passage and thereby reduce the pressure above the piston, and a spring urging the valve member downwardly.

2,387,364

AUTOMATIC VALVE MECHANISM

Charles M. Terry, Decatur, Ill., assignor to A. W. Cash Company, Decatur, Ill., a corporation of Delaware

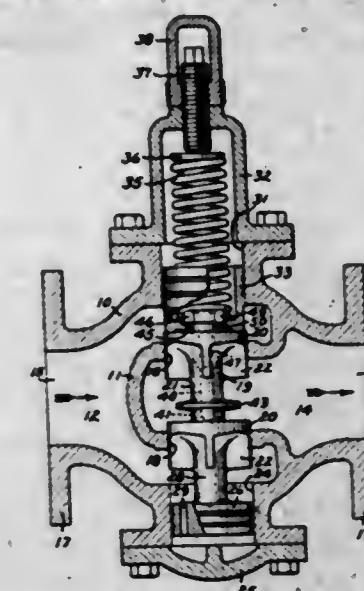
Application February 4, 1944, Serial No. 521,091

4 Claims. (Cl. 137-153)

1. Automatic valve mechanism comprising a hollow body, a partition shaped as a horizontally positioned U dividing the interior of the body into an inlet chamber and an outlet chamber, the interior of the U forming a portion of the outlet chamber and each branch of the U having a port therein with the ports vertically aligned, a vertically reciprocable valve member having two disks thereon associated with the respective ports to control the flow therethrough and closing in a downward direction, means providing a vertical bore above the upper port, a piston slidable in the bore and engaging the valve member, the piston and valve member being relatively movable laterally to prevent

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binding in the event of misalignment between the bore and the ports, the valve member having



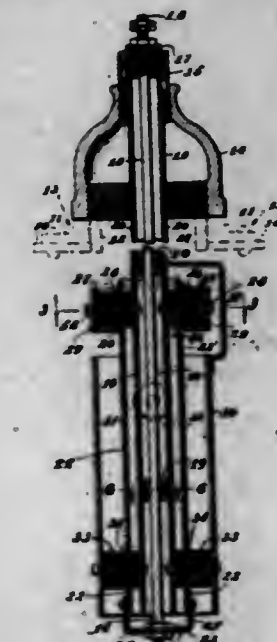
2,387,365

SYSTEM OF TUBULAR ELECTRODES

E. Craig Thomson, Boston, Mass.

Application January 13, 1944, Serial No. 518,129

9 Claims. (Cl. 200-152)



1. An electrode system for use in an electrical circuit, comprising a central rod-shaped conductor, two tubular conductors, means for mounting said tubular conductors coaxially around said central conductor, means for insulating one of said tubular conductors from said central conductor, means for conductively connecting the other tubular conductor and said central conductor, and means for conductively connecting said central conductor and said first tubular conductor to said electrical circuit, whereby increasing distance at one side between said conductors due to accidental misalignment is compensated for by decreasing distance at the other side.

2,387,366

PYROLYSIS OF PYRAN DERIVATIVES

Walter J. Toussaint, South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application January 30, 1942,

Serial No. 428,873

8 Claims. (Cl. 260-601)

8. Process which comprises pyrolyzing an unsaturated aldehydopyran at a temperature within the range between around 400° C. and around 850° C., and condensing and recovering the resultant reaction products substantially as rapidly as formed.

2,387,367

SILICATE BASE ADHESIVE

Charles A. Vana, Brecksville, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 30, 1942, Serial No. 449,169

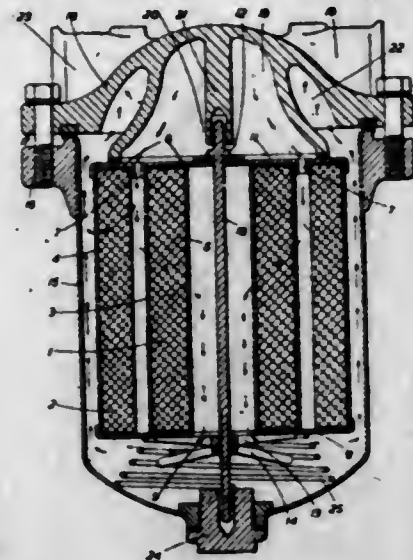
4 Claims. (Cl. 260—32)

1. An adhesive and coating composition consisting in a silicate base adhesive having dispersed therein a homogeneous mixture of a coumarone-indene resin and a plasticizer for said resin in the proportions of 0.5-5.0 per cent resin, 1-12 per cent plasticizer and the balance substantially said silicate base adhesive, said silicate base adhesive comprising an aqueous sodium silicate solution having a specific gravity of about 30 to 60° Baumé and an $\text{SiO}_2/\text{Na}_2\text{O}$ weight ratio of about 2 to about 4.

2,387,368

FILTER FOR LIQUIDS OR GASES

Cecil Gordon Vokes, London, England
Application February 25, 1943, Serial No. 477,127
In Great Britain February 26, 1942
2 Claims. (Cl. 210—184)



1. A filter having a casing, inlet and outlet passages therein, a filtering unit including an upper cap, a lower cap, spaced inner and outer filtering elements held by and between the caps to define a filter-inlet area between the elements and filter outlet areas beyond the inlet area relative to each filtering element, means for yieldingly holding the filtering unit to normally position the upper cap to cut off direct communication between the inlet and outlet passages, said upper cap being formed to establish flow communication between the inlet passage and filter inlet area and between the filter outlet area and the outlet passage when such unit is in normal position, the filtering unit yielding bodily under fluid pressure through the inlet passage and as a result of filtering element fluid block, to move the upper cap to a position to establish open by-pass communication between the inlet and outlet passages.

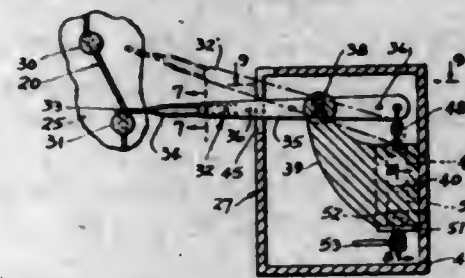
2,387,369

STOP MOTION DEVICE FOR SEWING MACHINES

Edward Vossen, Brooklyn, N. Y., assignor to Stop-Motion Devices Corp., Brooklyn, N. Y., a corporation of New York
Application February 12, 1944, Serial No. 522,061
3 Claims. (Cl. 112—219)

1. A controller detector unit for a machine having a moving thread which is periodically loosened and jerked tight, a pair of spaced guides

for said thread, a movably mounted lever having an eye for said thread to pass, said thread being threaded through said guides and said eye to force said eye towards one of said guides when said thread is jerked tight, means for slowly urging said lever to move said eye away from said

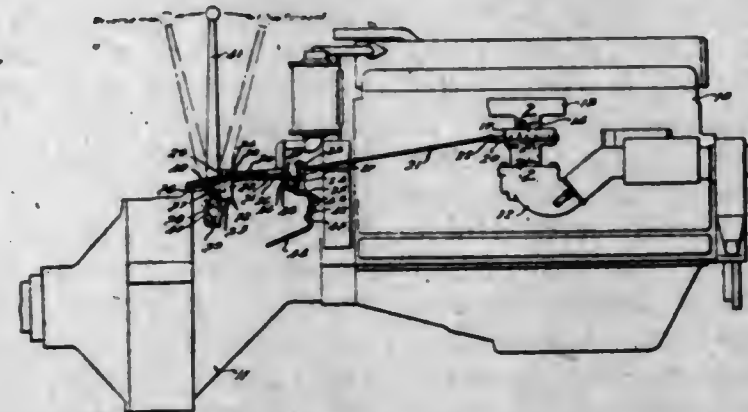


last mentioned guide when said thread is loosened, and switch means for closing a controller circuit when said eye is moved away from said last mentioned guide for a time period greater than said periodic action of said thread, said means including a dash pot for cushioning the movements of said lever.

2,387,370

SPEED CONTROL FOR ENGINES

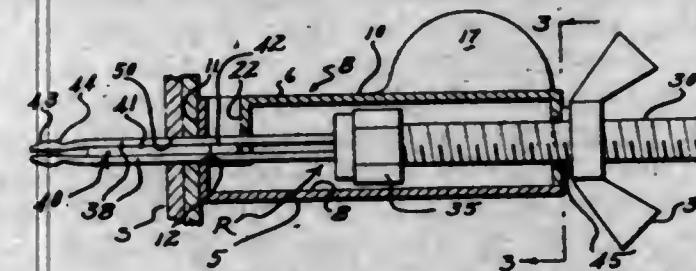
David A. Wallace, Ray E. Hewlett, and William T. Wilbur, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application February 14, 1944, Serial No. 522,254
3 Claims. (Cl. 74—472)



1. In combination, means for feeding fuel to an engine and including a part movable in one direction from a first position determining a full flow of fuel to the engine to a second position determining a reduced flow of fuel to the engine and in the opposite direction from the second position to the first position, a control member for a transmission associated with the engine shiftable in one direction for bringing the transmission from forward to neutral and in another direction for bringing the transmission from reverse to neutral, and means connecting the control member and the said part of the fuel-feeding means for causing shifting of the control member from forward to neutral or from reverse to neutral to move the said part from the first position to the second position for reducing the amount of fuel fed to the engine, said last mentioned means comprising a cam mounted for movement with the control member, a follower engaging the cam, a pivotally mounted bellcrank carrying the follower on one arm, a first link, a slidable element mounted on one end of the first link and carried by the other arm of the bellcrank, resilient means acting between the slidable element and the first link to urge the slidable element toward the said one end of the link, a pivotally mounted arm connected to the other end of the first link, a second link connecting the arm and the said part of the fuel-feeding means, and means associated with the arm for limiting and controlling the first position of the said part.

2,387,371
CLAMP

Frank C. Wallace, North Hollywood, Calif., assignor to Herman H. Helbush, Los Angeles, Calif.
Application November 3, 1944, Serial No. 561,785
8 Claims. (Cl. 85—5)

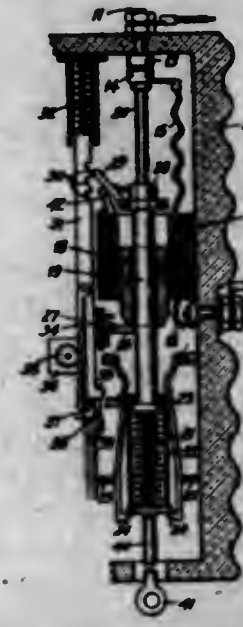


1. In a sheet metal clamp, a casing having three sides and a bottom end wall presenting an opening therethrough, a plate mounted on and forming the fourth side of the casing, said plate having a right angled outer end portion fitting over and providing a closure for the open end of the casing and having an opening coaxial with the first-mentioned opening, a retaining member reciprocally mounted in the casing and projecting at its respective ends through said openings, and means for releasably retaining the plate on the casing.

2,387,372

CIRCUIT DISCONNECTING DEVICE

Bruce O. Watkins, Brentwood, Mo., and John F. Atkinson, Cambridge, Mass.
Application June 5, 1942, Serial No. 446,000
7 Claims. (Cl. 200—108)



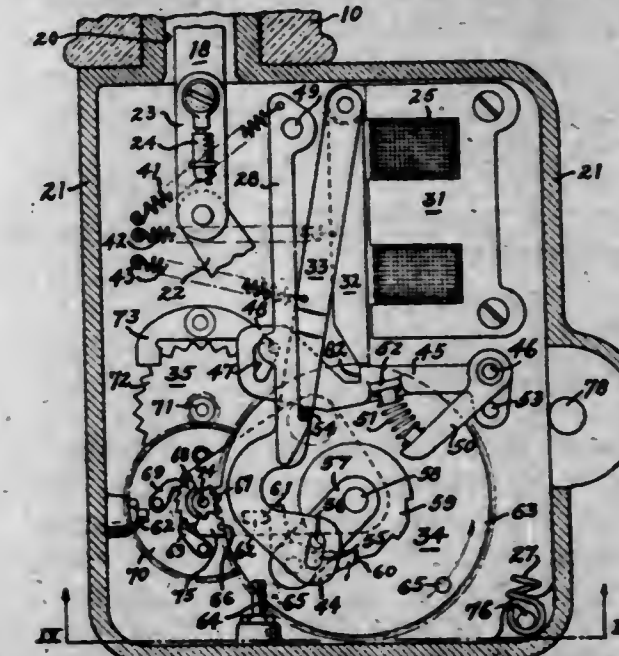
1. In a fault or overload protection device for branch line circuits of a power distribution system, the combination of a stationary contact, a vertically movable contact carrying member having a cooperating contact at the upper end thereof, a magnetic operating coil connected in series with said contacts and surrounding said vertically movable member, an armature of annular cross-section slidably mounted upon said contact carrying member and movable upwardly in response to magnetic attraction when said operating coil is energized by an overload current, holding means operating under normal conditions to retain said armature in cooperating relation with said operating coil, a step-by-step mechanism adapted to be operated by said armature in its upward movement, a latching mechanism at the lower end of said vertically movable member for retaining said contact carrying member with said contacts in closed circuit relation with respect to each other, and means associated with said step-by-step mechanism adapted to release said holding means and permit said

armature to drop and release said latching mechanism after said step-by-step mechanism has been advanced a predetermined number of steps by said armature, whereby said vertically movable member will move downwardly and separate said circuit controlling contacts.

2,387,373

CIRCUIT DISCONNECTING DEVICE

Bruce O. Watkins, Brentwood, Mo., and John F. Atkinson, Cambridge, Mass.
Application December 28, 1942, Serial No. 470,338
12 Claims. (Cl. 200—108)

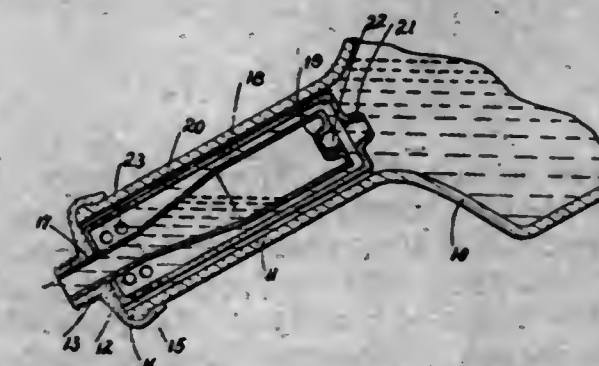


1. In a zero current electromagnetic circuit controlling device, the combination of cooperating relatively movable contacts, a releasable mechanism adapted to operate said contacts into an open circuit position, a latch for holding said mechanism with said contacts in a closed circuit position, an electromagnetic field structure excited by current passing through said relatively movable contacts, means including an energy storing spring for moving said latch into an inoperative position with respect to said releasable mechanism, an armature responsive to said electromagnetic field structure cooperating with said means to store energy in said energy storing spring, and a second armature responsive to said electromagnetic field structure adapted to prevent an operation of said means including said energy storing spring when said magnetic field structure is excited by current flowing through said contacts, whereby said relatively movable contacts will be prevented from moving into an open circuit position when current is flowing therethrough.

2,387,374

FLUID DISPENSING DEVICE

Edward C. Watters, Silver Spring, Md.
Application December 8, 1944, Serial No. 567,175
5 Claims. (Cl. 222—455)



1. In a fluid dispensing device, in combination, a cap adapted to close the neck of a bottle, an

inner receptacle secured to said cap and having a neck extending through said cap to provide an outlet, an outer receptacle of a diameter less than the neck of said bottle surrounding said inner receptacle, means forming openings in the base of each receptacle, and valve means alternately operable to open one of said openings and close the other.

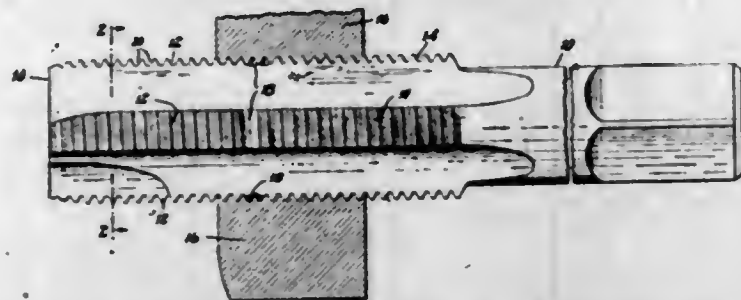
2,387,375

LOCK NUT

Frank V. Whyland, Bronx, N. Y.

Original application June 10, 1942, Serial No. 446,422. Divided and this application September 11, 1943, Serial No. 501,937

4 Claims. (Cl. 151-22)



4. A lock nut comprising a threaded bore, said bore comprising two portions, all of the threads of said nut being of the same pitch, said threads further being of the same major and minor diameter and of the same included angle, the faces of one side of all of said threads being uniformly spaced, the opposite faces of said threads being uniformly spaced within each of said portions, the threads of one of said portions being out of pitch with the threads of the other portion, the threads of one of said portions further being thicker than the threads of the other of said portions.

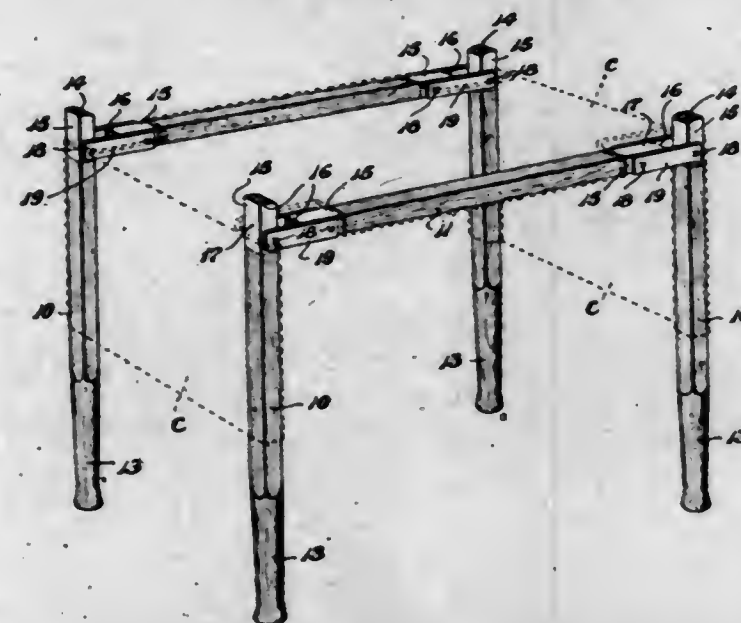
2,387,376

LITTER

Ephraim Winer and Albert Winer, Baltimore, Md., assignors to The Government of the United States of America as represented by the Secretary of War

Application June 28, 1943, Serial No. 492,584

5 Claims. (Cl. 5-32)



1. A litter comprising two poles, each pole including a central section and opposed end sections, means pivotally connecting the end sections to the central section, said means comprising ferrules on the adjacent ends of the central section and end sections, a channel member between the adjacent ends of each end section and central section, said channel member comprising a bottom web and spaced parallel walls normal to said

web and projecting fore and aft beyond the web, pairs of aligned apertures in the projecting ends of said walls, a pintle pin in each pair of aligned apertures, one pintle pin passing through the ferrule of the inner end of an end section and the other pintle pin passing through the ferrule on an end of the central section, the ends of said sections projecting toward each other beyond their respective pintle pins so that they overlap said web, the construction being such that each end section may be pivoted in one direction to a position in which it is in alignment with the central section and held by said web against further movement in said direction, and said end section may be pivoted in the opposite direction about either pintle of its pair of pintles to a position in which it is normal to the central section.

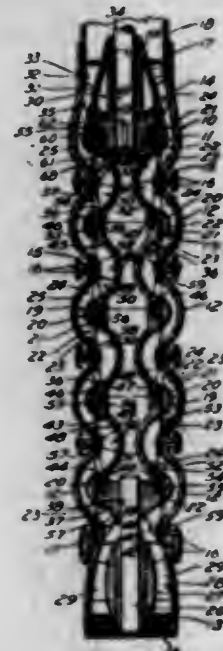
2,387,377

DEEP WELL PUMP

George F. Wislicenus, Summit, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application March 2, 1944, Serial No. 524,710

8 Claims. (Cl. 103-102)



1. In a deep well pump, the combination of a casing having a rotor chamber and annular and axially spaced stage fluid passages each having endwise communication only with said chamber, a rotor in said chamber and having annular and axially spaced stage fluid passages each opening endwise only through the annular perimeter of the rotor, said casing and rotor fluid passages having endwise and series communication one with the other to provide a continuous fluid passage extending from the first stage through the latter stage of the pump, fluid deflecting vanes in said second mentioned fluid passages, said casing comprising connected undivided bowl portions each containing one of said casing fluid passages, and said rotor comprising connected undivided impeller bodies each containing one of said rotor fluid passages.

2,387,378

CATALYTIC CONVERSION PROCESS

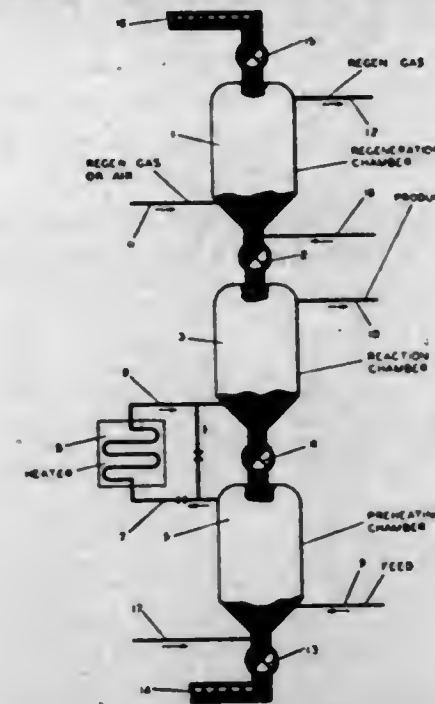
I. Louis Wolk, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application March 22, 1943, Serial No. 480,082

3 Claims. (Cl. 196-52)

1. In a process for the catalytic cracking of hydrocarbon oil vapors by contact with a cracking catalyst under cracking conditions of temperature the steps which comprise flowing hydrocarbon oil

vapors preheated to a temperature in the range of 750° F.-1150° F. countercurrent to a moving bed of cracking catalyst in a cracking zone, withdrawing cracked products from said cracking zone, flowing deactivated catalyst at a temperature of 700° F.-1100° F. through a preheating zone in direct contact with and countercurrent to vaporized hydrocarbon oil feed introduced at a lower temperature to preheat said feed and cool said deactivated catalyst, further heating said



preheated feed in a separate heating zone to a temperature in the catalytic cracking range and introducing same into said cracking zone, introducing said cooled deactivated catalyst into a regeneration zone for the combustion of carbon deposited thereon, withdrawing hot regenerated catalyst at a temperature in the range of 1000° F.-1300° F. from said regeneration zone, cooling said catalyst to the approximate cracking temperature desired in said cracking zone, and introducing said hot catalyst into said cracking zone.

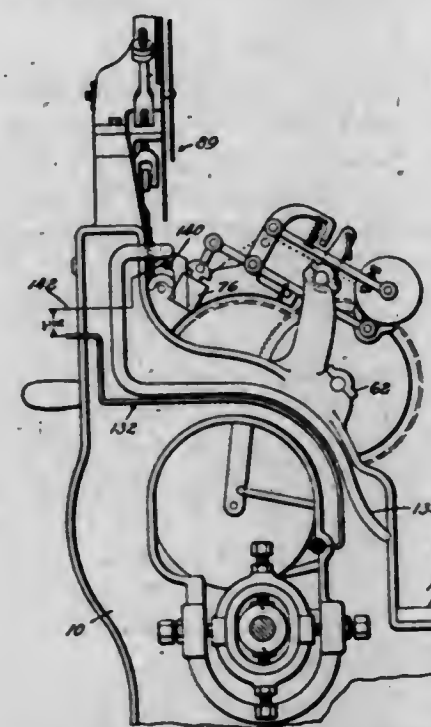
2,387,379

AREA MEASURING MACHINE

Stephen E. Woodbury, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application July 1, 1943, Serial No. 493,119

12 Claims. (Cl. 33-124)



1. In a machine for measuring the length of a work piece of sheet material, a power driven work feeding and supporting roll, a set of meshed and geared wheels arranged to be operated by a work piece passed in contact with the

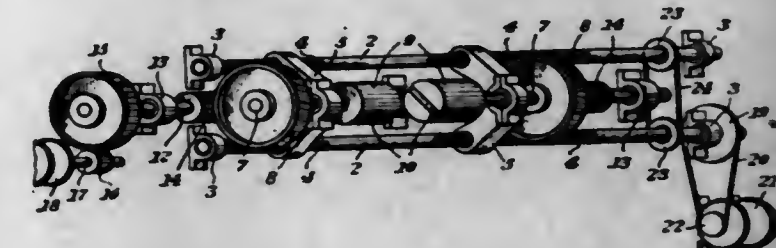
set by the roll, a measuring device mounted for movement into and out of a position to be engaged and driven by said geared wheels, and automatic means for effecting the said movement including two electrical contact devices, one contact device being adapted to detect the leading edge of the work piece as it passes over the roll to initiate the said engagement, the other contact device being adapted subsequently to detect the trailing edge of the work piece to terminate the engagement, the said automatic means being arranged to maintain the engagement of the measuring device with the geared wheels in accordance with the length of the work piece.

2,387,380

DEVICE FOR BENDING COIL CONVOLUTIONS
Walter A. Zahutnik, Gary, Ind., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey

Application July 15, 1943, Serial No. 494,844

2 Claims. (Cl. 153-32)



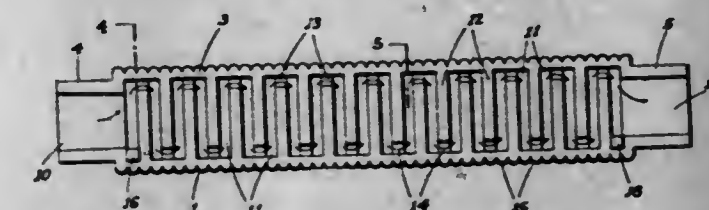
1. A device for removing the coil set from the convolutions of a coil of metallic strip, comprising two spaced parallel rods having opposed screw-threaded portions at both ends thereof, a pair of crossheads having screw-threaded openings therethrough mounted on said spaced rods one at each end thereof, in engagement with said threaded portions and adapted to be moved inwardly or outwardly by rotating said rods, a shaft rotatably mounted in each of said crossheads, chuck members having slots therein at the inner ends thereof mounted on the inner end of each of said shafts, a ring gear mounted on the outer end of each of said shafts, a shaft having a pair of spaced elongated gears thereon in engagement with said first mentioned gears, means for rotating said rods to move said chucks inwardly to engage the opposite sides of strip material and means for rotating said last mentioned shaft to partially rotate said chuck members in a direction opposite that from the set in the coil convolution so as to bend or corrugate the strip thereby tending to straighten the same.

2,387,381

SMOKING DEVICE

Roscoe C. Zuckerman, Stockton, Calif.
Application January 17, 1944, Serial No. 518,498

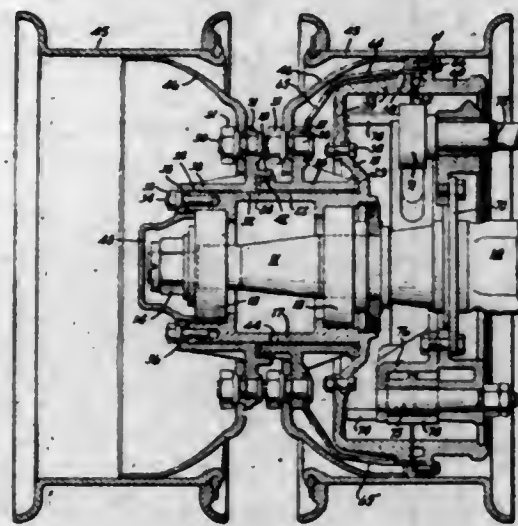
1 Claim. (Cl. 131-199)



A smoking device which includes a stem, such stem comprising a tubular element separable longitudinally into two substantially duplicate separable halves, each half comprising a one piece member having a flat face, each piece having a series of substantially equally spaced grooves extending inwardly from such face thus providing a series of equally spaced walls between the

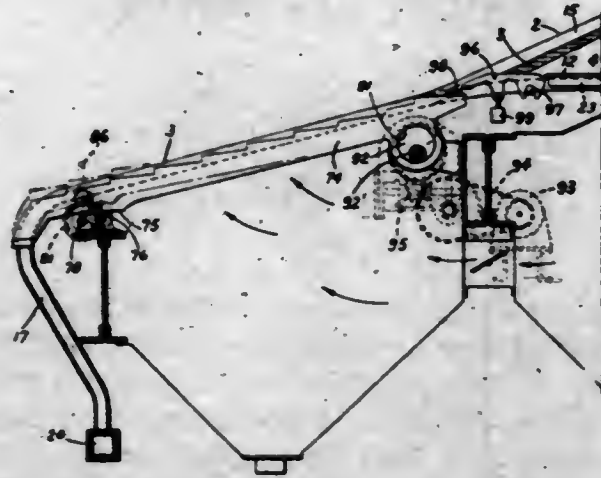
grooves, alternate walls being provided with relatively small ports connecting adjacent grooves at one side of the piece and the intermediate walls being provided with like ports at the opposite side of the piece, the pieces being adapted to be placed in face to face relation with the grooves and ports of one in register with those of the other, whereby there is formed a continuous tortuous smoke passage through the stem, a mouth piece on one end of the stem, and a tobacco containing element on the other end thereof.

2,387,382
DUAL WHEEL ASSEMBLY
Charles S. Ash, Milford, Mich.
Application March 9, 1942, Serial No. 433,866
4 Claims. (Cl. 301—36)



1. In a dual wheel assembly, the combination of a tubular sleeve rotatably mounted on an axle end and having a generally cylindrical exterior and a flange at one end thereof, an elongated hub having a cylindrical bushing, fitted to the sleeve and rotatable thereon, a second elongated hub axially slidable on the sleeve and fitted there-to between which and the flange the first hub is mounted, said second hub having an inwardly extending flange overlying the outer end of the sleeve, means cooperating with the second hub flange and sleeve for detachably securing the second hub against axial and rotational movement on the sleeve, and means carried by the hubs for mounting a wheel on each hub.

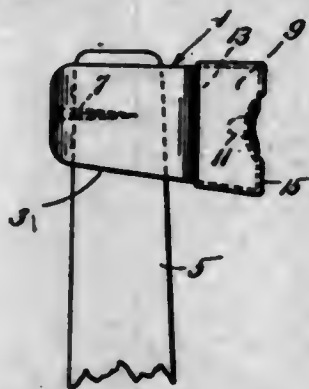
2,387,383
STOKER
Joseph S. Bennett, Merion, Pa., assignor, by mesne assignments, to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application September 3, 1936, Serial No. 99,234. Divided and this application November 5, 1941, Serial No. 417,919
2 Claims. (Cl. 122—376)



1. An inclined overfeed section for stoker furnaces, comprising a series of laterally spaced fluid

conducting members, individual grate bars disposed between said members and lying in juxtaposition therewith, a support comprising an anti-friction roller for the lower end of each of said grate bars, a rocker arm for rotatably supporting each of said rollers, a shaft secured to said rocker arm, gearing for actuating said shaft to adjust the position of said rollers, means for holding said shaft in adjusted position, cam means for imparting vertical and longitudinal movements to each of said grate bars, and power means for actuating said cams.

2,387,384
PICKER
Leon W. Campbell, Hendersonville, N. C.
Application August 26, 1943, Serial No. 500,064
9 Claims. (Cl. 139—159)

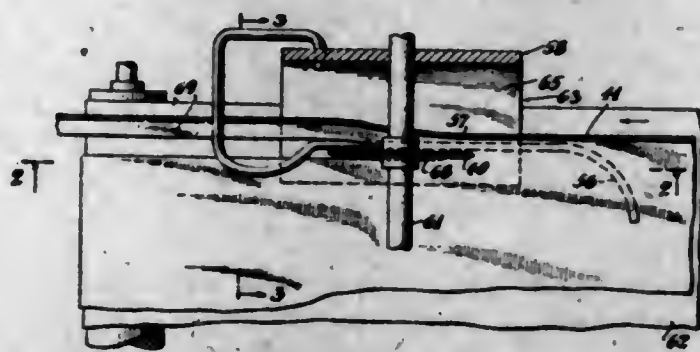


1. A loom picker comprising an inner body and a resilient casing surrounding such body, such parts to be moved relatively to each other by the impact of the shuttle and by such movement creating friction between these parts dissipating a portion of the energy of impact.

2,387,385
COPOLYMERS
Albert M. Clifford, Stow, Ohio, assignor to Wing-foot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application February 27, 1941, Serial No. 380,813
10 Claims. (Cl. 260—84.5)

1. Copolymers comprising a butadiene and an alpha alkyl acrylonitrile containing at least five carbon atoms in the molecule polymerized together.

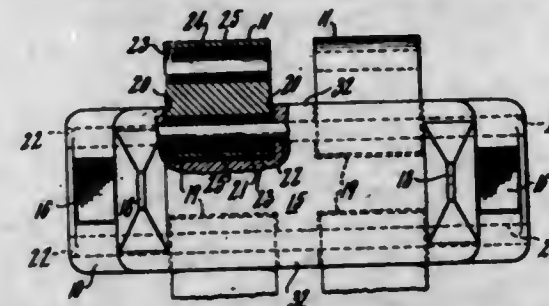
2,387,386
FABRIC CUTTING SYSTEM
Samuel Cohn, New York, N. Y.
Original application November 13, 1941, Serial No. 418,939, now Patent No. 2,321,010, dated June 8, 1943. Divided and this application May 11, 1943, Serial No. 486,515
11 Claims. (Cl. 164—61)



2. Apparatus for severing an edge of a traveling fabric tube including a spreader bar engaging an edge of said tube and positioning and tensioning said edge for cutting, cutter means associated therewith and severing said edge, a moving belt for transporting said fabric, a driven mandrel

winding up said severed fabric and means maintaining the severed edge against lateral displacement consisting of an extension of the spreader, said extension passing over the severed edge as said edge leaves the cutter and roll means adjacent the wind-up mandrel.

2,387,387
TRACK FOR TRACK-LAYING VEHICLES
Ray S. Garber, Montreal, Quebec, Canada, assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application September 30, 1943, Serial No. 504,424
In Canada October 31, 1942
3 Claims. (Cl. 305—10)



3. A track for a track-laying vehicle comprising tread blocks, each of said tread blocks having recesses on opposite sides thereof and a tread surface, each of said recesses having top, bottom, back and end walls which enclose said recesses in all directions, excepting in the lengthwise direction of said track, said recess and walls having coaxial openings which form in conjunction with said recess a continuous opening through said tread block extending transversely of the length of said track, a continuous pin extending through said recess and fixed against rotation in said openings on the opposite ends of said recess, links for pivotally connecting said blocks, each of said links having a resilient bushing in each end thereof whose outer radial walls are secured against rotation in respect to said link, one of said bushings in each link being positioned in said recess in one block and the other of said bushings being positioned in an adjacent recess in the adjacent block of said track, said pins in said blocks extending through said bushings and secured therein against rotation in respect to the inner radial surface of said bushings, and the end walls of said bushings being in closely spaced relation to said end walls of said recesses.

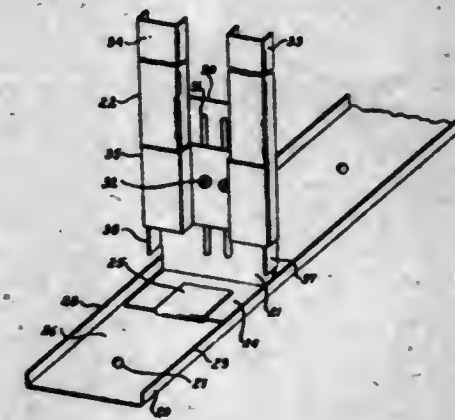
2,387,388
SHELLAC-POLYGLYCOL REACTION PRODUCTS AND METHOD OF MAKING SAME
William Howlett Gardner, Bayside, and Henry Hall Bassford, Jr., Brooklyn, N. Y., assignors to U. S. Shellac Importers Association, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 28, 1942, Serial No. 444,923
8 Claims. (Cl. 260—104)

2. A shellac product made by reacting about 220 parts of shellac and at least 80 parts of ethylene glycol at a temperature of approximately 120–150° C., and further reacting said product with about 100 parts of a polyglycol of a molecular weight of approximately 1500, at a temperature of approximately 150–160° C.

2,387,389
PARTITION STRUCTURE
William M. Goldsmith, Cincinnati, Ohio
Application March 2, 1938, Serial No. 193,564
9 Claims. (Cl. 72—115)

1. In a device of the class described the combination with a runner having a pair of spaced

lugs extending therefrom, of studding comprising a vertical member and a horizontal member, the horizontal member extending beneath one of



the lugs and the other of said pair of lugs being positioned against the vertical studding member and retaining the horizontal studding member in position beneath the first mentioned lug.

2,387,390
INKING MECHANISM FOR DUPLICATING MACHINES
Alfred E. Goodwin, Ottumwa, Iowa
Application September 15, 1941, Serial No. 410,816
2 Claims. (Cl. 101—120)

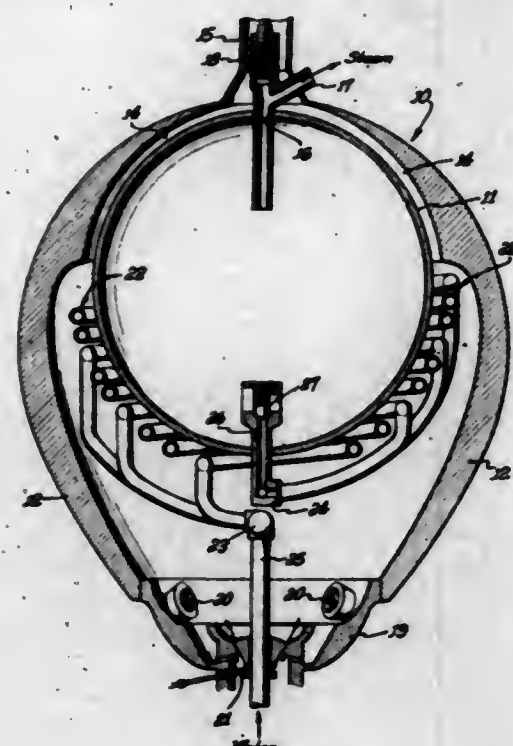


1. In a duplicating machine, a rotatable cylinder for receiving and supporting a stencil over the outer surface of a section thereof, said section being perforated, an ink-retaining well in said cylinder, with said perforated section constituting a wall for said well, an ink-retaining and absorbing pad supported against the inner surface of said perforated section to absorb ink from said well as said cylinder is rotated, yieldable means within said cylinder manually movable independently of said cylinder in pressing engagement over said pad to squeeze ink therefrom through selected portions of said perforated section, and means supporting said yieldable means for pivotal movement and for movement axially of said cylinder.

2,387,391
STEAM BOILER
George H. Green, Oakland, Calif.
Application June 10, 1944, Serial No. 539,712
1 Claim. (Cl. 122—41)

A steam boiler of the character described comprising a spherical dome, a plurality of separate generating coils surrounding the lower portion of the dome, said coils being wound about the vertical axis of the dome and surrounding the lower half of the dome, said coils conforming to the contour of the dome and lying in close proximity thereto, a feed water manifold to which one end of each coil is connected, steam manifold to which the other end of each coil is connected, said steam manifold being in communication with the interior of the dome, a casing enclosing the dome and coils, means for generating heat within

the casing beneath the dome, said casing being so formed interiorly that the products of combus-

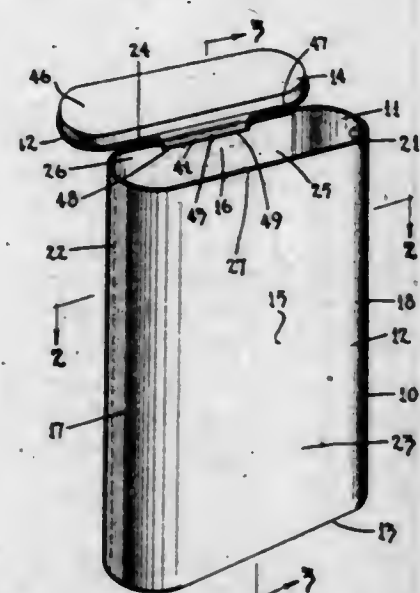


tion will pass over the entire exterior area of the dome.

2,387,392

METHOD OF CONSTRUCTING CONTAINERS
Reynolds Guyer and Russell J. Hennessey, St. Paul, Minn., assignors to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota

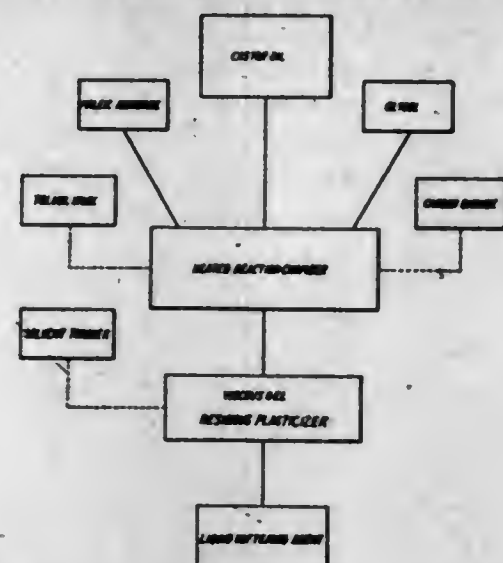
Application November 6, 1942, Serial No. 464,808
3 Claims. (Cl. 93—39.1)



1. The method of constructing a non-collapse-ble paper container having oppositely facing curved walls, which consists in forming a blank from a sheet of material, scoring the sheet along the portions of the sheet to be curved, the score lines dividing the blank into a center section and a pair of end sections, folding the blank along the score lines so that the end sections overlap one surface of the center section in flat condition, securing the ends of the blank together, in utilizing a paper containing thermo-plastic material at at least the portions thereof forming the curved walls, in expanding the blank from flat condition to curved condition, in applying sufficient heat to the wall structure while holding the same in curved form to cause the thermo-plastic material to substantially melt in the area of the score lines, and to cool the blank below the softening point of the thermo-plastic material while holding the blank in curved form.

2,387,393

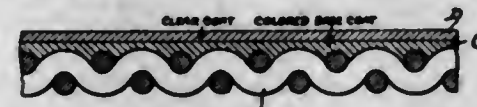
PROCESS OF MANUFACTURE OF PLASTICIZER OR SOFTENING AGENT
William D. Hedges, John C. Lowman, and Thomas J. Kerr, Columbus, Ohio, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio
Application January 19, 1940, Serial No. 314,682
2 Claims. (Cl. 260—22)



1. The method of making a modified castor oil product adapted for use as a softener in coating compositions, comprising heat reacting a mixture consisting of substantially 800 parts by weight of castor oil, substantially 50 parts by weight of maleic anhydride, and substantially 26 parts by weight of diethylene glycol for a period of about 14 hours at substantially 230° C. to produce a resinous product having an acid number of about 9.

2,387,394

COATED FABRIC MATERIAL
William D. Hedges, John C. Lowman, and Thomas J. Kerr, Columbus, Ohio, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio
Application January 19, 1940, Serial No. 314,683
3 Claims. (Cl. 117—161)



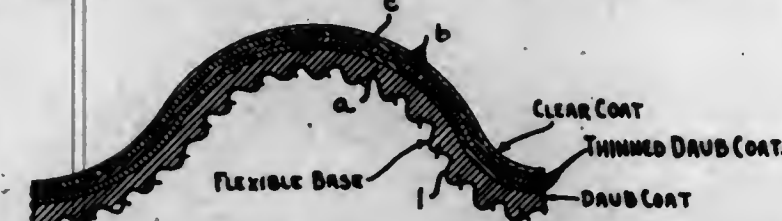
1. A coated product comprising a flexible base and a coating thereon, said coating comprising a nitrocellulose film forming constituent and a plasticizer comprising the reaction product of substantially 800 parts by weight of castor oil, substantially 50 parts by weight of maleic anhydride and substantially 26 parts by weight of diethylene glycol for a period of about 14 hours at a temperature of substantially 230° C., said reaction product being characterized by the fact that its acid number is about 9, and said coated product being characterized by the fact that it will retain its pliability and flexibility at extremely low temperatures, that the coating thereon will not soften or exude at temperatures of from 185 to 200° F. and will not crack or spew when subjected to weathering.

2,387,395

PATENT LEATHER
William D. Hedges, John C. Lowman, and Thomas J. Kerr, Columbus, Ohio, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio
Application January 19, 1940, Serial No. 314,684
2 Claims. (Cl. 117—76)

1. A patent leather comprising a flexible base and a coating thereon, said coating comprising a

nitrocellulose film forming constituent, pigment, and a plasticizer, and having applied thereover, a secondary coating of varnish or enamel, each of said coatings including a plasticizer comprising the reaction product of substantially 800 parts by weight of castor oil, substantially 50 parts by weight of maleic anhydride and substantially 26 parts by weight of diethylene glycol for a period



of about 14 hours at a temperature of substantially 230° C., said reaction product being characterized by the fact that its acid number is about 9, and said coated product being characterized by the fact that it will retain its pliability and flexibility at extremely low temperatures, that the coating thereon will not soften or exude at temperatures of from 185 to 200° F. and will not crack or spew when subjected to weathering.

2,387,396

UPHOLSTERING FABRIC
William D. Hedges, John C. Lowman, and Thomas J. Kerr, Columbus, Ohio, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio
Application January 19, 1940, Serial No. 314,686
1 Claim. (Cl. 117—161)



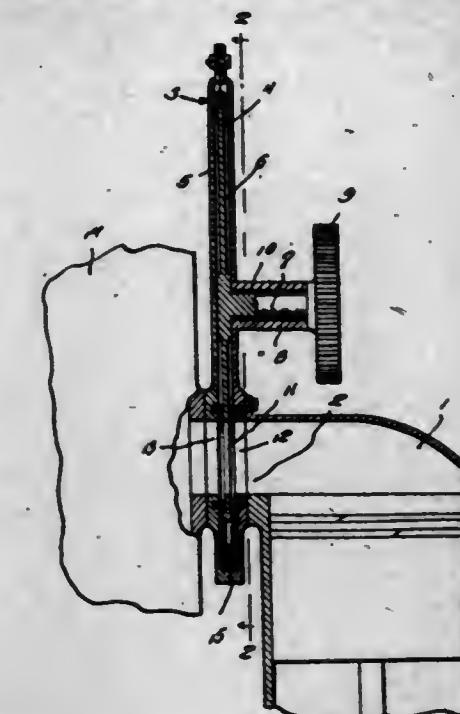
A coated upholstery fabric material comprising a fabric base having a flexible coating consisting of the evaporation residue of a mixture consisting of 10 parts by weight of nitrocellulose, plasticizing resin consisting of 16 parts by weight of a condensation product of 800 parts by weight of castor oil, 50 parts by weight of maleic anhydride and 26 parts by weight of glycol, and 7.5 parts by weight of a condensation product made up of 1000 to 1200 parts by weight of castor oil, 26 parts by weight of diethylene glycol and 50 parts by weight of maleic anhydride, 7.5 parts by weight of pigment and 40 parts by weight of solvent.

2,387,397

ROTARY DISK VALVE
Ralph H. Hill, Flint, Mich.
Application February 13, 1945, Serial No. 577,599
4 Claims. (Cl. 123—190)

1. A valve for a gas engine comprising a housing, a disk member mounted for rotation within said housing, said housing comprising a first wall and a second wall, a first aperture formed in said first wall, a second aperture formed in said second wall in registry with said first aperture, a third aperture formed in said disk member adapted to register with said first aperture, and said second aperture in one position of rotation of said disk member, a first annular rectangular groove in said first wall concentric with said first aperture, a first annular ring member of rectangular cross-section snugly fitting said first annular groove and adapted to bear on said disk member, a second annular rectangular groove in said second wall concentric with said second aperture, a second annular ring member of rectangular cross-section snugly fitting said second annular groove and adapted to bear on said disk member, a resilient

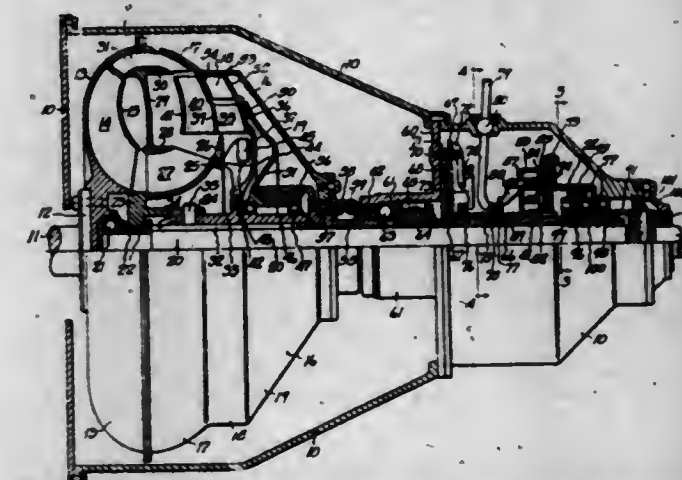
support member for each of said annular ring members, each resilient support member comprising a bimetal leaf spring secured at one end to said housing and at the other end to a ring



member and formed and arranged to provide a substantially constant bearing pressure of said ring member against said disk member over the range of operating temperatures of said valve.

2,387,398

HYDRAULIC TRANSMISSION
Howard E. Hruska, South Bend, and Alfred B. Sibert, Rising Sun, Ind.
Application March 16, 1944, Serial No. 526,692
8 Claims. (Cl. 60—54)



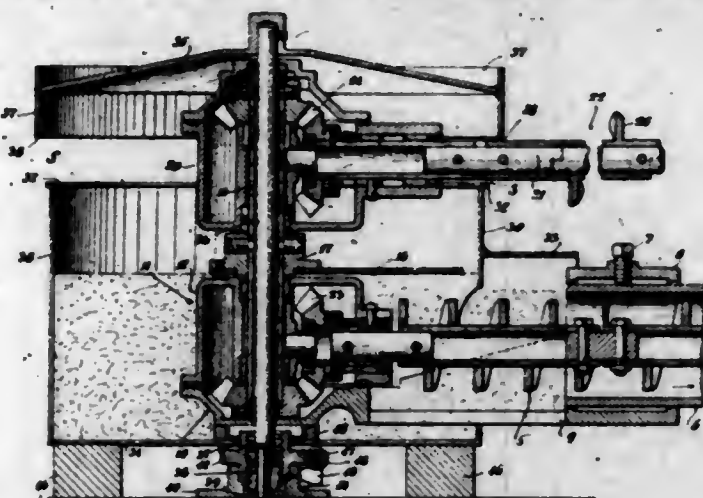
1. A hydraulic transmission comprising an impeller and a pair of vaned rotors cooperating to define a torus, one of said rotors having a sleeve splined on a driven shaft for longitudinal movement thereon and two sets of vanes selectively positioned in said torus, the other rotor having a sleeve rotatably encircling said first sleeve and provided with an elongated cam slot therein, a pin carried by said first sleeve and shiftably seating in said cam slot to normally urge said splined rotor in one direction, and speed responsive means urging said splined rotor in the opposite direction.

2,387,399

BIN FEED MECHANISM
Fred G. Julian, Euclid, Ohio, assignor to Pocahontas Fuel Company Incorporated, New York, N. Y., a corporation of Virginia
Application February 15, 1944, Serial No. 522,492
6 Claims. (Cl. 198—44)

1. Bin feed mechanism comprising an outrigger feed screw swinging around a vertical axis and rotatable around a horizontal axis to draw material in toward said vertical axis, a well at the inner end of said feed screw extending up into proximity to said feed screw and having a bot-

tom forming a storage space, screw means submerged in the material in said storage space and adapted to withdraw material at a predetermined maximum rate from said storage space, and means above the outrigger feed screw for limiting the rate of feed of material into said well comprising a member cooperating with the edge

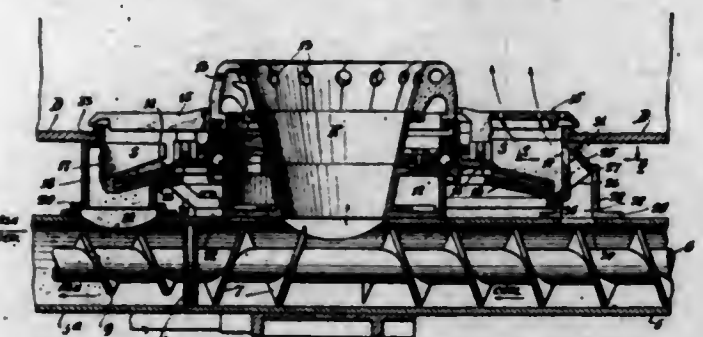


of said well to form a restricted opening into said storage space and limit the rate of supply of material to said well to less than the said maximum rate of withdrawal so that the rate of feed of material by said mechanism as a whole is determined by said member above said outrigger feed screw limiting the rate of feed of material into said well.

2,387,400

STOKER GAS BACK

Fred G. Julian, Euclid, Ohio, assignor to Pocahontas Fuel Company Incorporated, New York, N. Y., a corporation of Virginia
Application May 19, 1944, Serial No. 536,393
2 Claims. (Cl. 110-44)



1. In a stoker construction having a retort and a grate around the upper portion of said retort, a dead ring around said retort at a lower level and forming an ash space adapted to receive ashes at the bottom below said grate, an orifice structure carried by said dead ring and opening laterally into said ash space and above the normal level of the ashes therein and below said grate, a coal tube passing beneath said dead ring and having an opening and a gas back tube extending from said opening to communicate with said orifice structure and form a passage from said coal tube to said ash space.

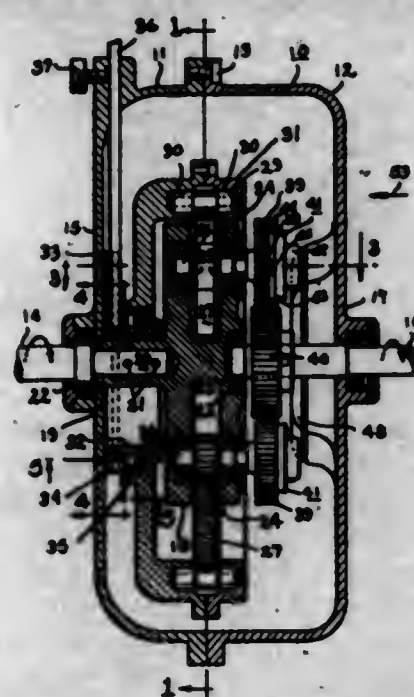
2,387,401

VARIABLE SPEED TRANSMISSION

Salvatore M. Marco, Columbus, Ohio, assignor to The Ohio State University Research Foundation, Columbus, Ohio, a corporation of Ohio
Application December 19, 1942, Serial No. 469,502
10 Claims. (Cl. 74-115)

1. A variable speed transmission including a driving rotor having radially extending passages therein, a planetary gear system for driving an output shaft, means connecting the planet gears of said planetary system to said rotor for rotating the planet gears in an orbital path, means

comprising means extending into said passages for producing fixation between the planet gears and the sun gear of the planetary system over a predetermined angle of orbital rotation of said

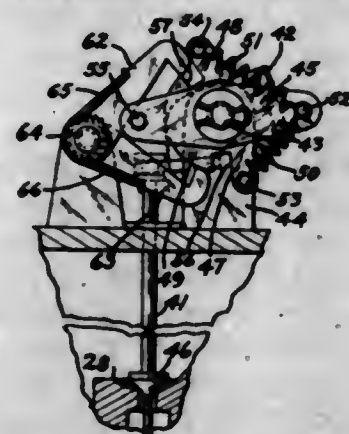


planet gears to rotate the sun gear, and reciprocal means producing rotation of the planet gears on their own axes during actuation of the last mentioned means for changing the speed of rotation of the sun gear.

2,387,402

SNAP ACTION DEVICE

Charles L. Martin, Overland, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application March 23, 1944, Serial No. 527,855
3 Claims. (Cl. 74-97)



1. A snap action device comprising an actuator element and a shifter element pivoted on a common shaft, spring means connecting said elements, and locking members pivoted on a common shaft eccentric of said first shaft and normally urged, one at a time, into locking engagement with said actuator element, said shifter element having a part movable between said locking members and disposed to engage the same, respectively, at spaced points in the shifter stroke, to release the same from said actuator and permit shifting of the latter by said spring means.

2,387,403

DIESEL FUEL

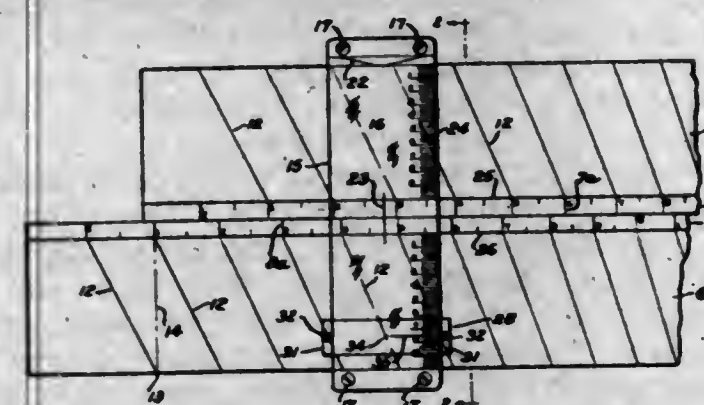
John H. McCracken and Edwin M. Nygaard, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application December 17, 1943, Serial No. 514,660
4 Claims. (Cl. 44-57)

1. An improved Diesel fuel having in admixture therewith a minor proportion, sufficient to decrease the ignition delay period of the fuel, of 2,2-dinitropropane.

2,387,404

FOUR-PLACE SLIDE RULE

Howard W. Moyer, Warren, Ohio
Application December 6, 1944, Serial No. 566,784
4 Claims. (Cl. 235-70)

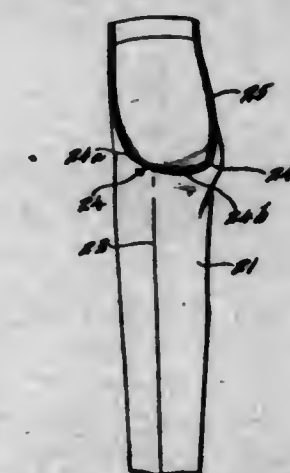


1. A slide rule including two normally horizontal laterally contiguous scales slidable longitudinally relative to each other and having graduations on their adjoining edges, at least one of said scales having inclined lines connecting said graduations with points on its opposite edge vertically aligned with the next adjacent graduations, a transparent runner slidable longitudinally along said scales and having a central vertical line for intersecting said inclined lines and having horizontal graduations along its vertical edge, and a transparent slide piece vertically movable on said runner and having a horizontal line substantially intersecting said vertical line and extending to said horizontal graduations.

2,387,405

GARMENT OF THE SLACKS TYPE

Mary D. Neilson, Minneapolis, Minn.
Application August 22, 1942, Serial No. 455,693
3 Claims. (Cl. 2-227)



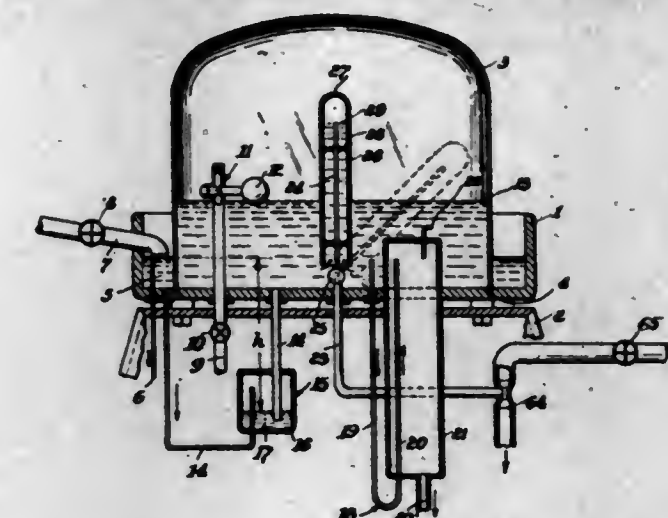
1. A garment such as slacks having a waist band and leg portions, said garment having a front portion comprising a pair of front pieces having recesses at their upper inner ends, said recesses having lower curved portions, said pieces being connected along their inner edges including the edges of said recesses, said garment also having a rear portion comprising pieces with upper inner edges extending outwardly at a decided angle, said latter pieces being connected along their inner edges including said last mentioned edges, the length of the edge portions of said recesses being much less than the length of said upper inner edges so that the crotch part of said rear portion is held high and close to the body by said front portion and a fitted front portion and crotch is produced, said first mentioned pieces and last mentioned pieces being connected respectively along their outer edges, said rear portion thus having a vertical central seam and having a full unfitted seat portion which is formed quite full across the buttocks, which full seat portion is taken up when the wearer stoops or bends

forward and whereby said full rear portion prevents the center line of the crotch from tightening between the legs and buttocks upon such stooping or bending.

2,387,406

APPARATUS FOR APPLYING TREATING MEDIUMS

Georg Ornstein, New York, N. Y.
Application September 4, 1942, Serial No. 457,293
14 Claims. (Cl. 210-28)

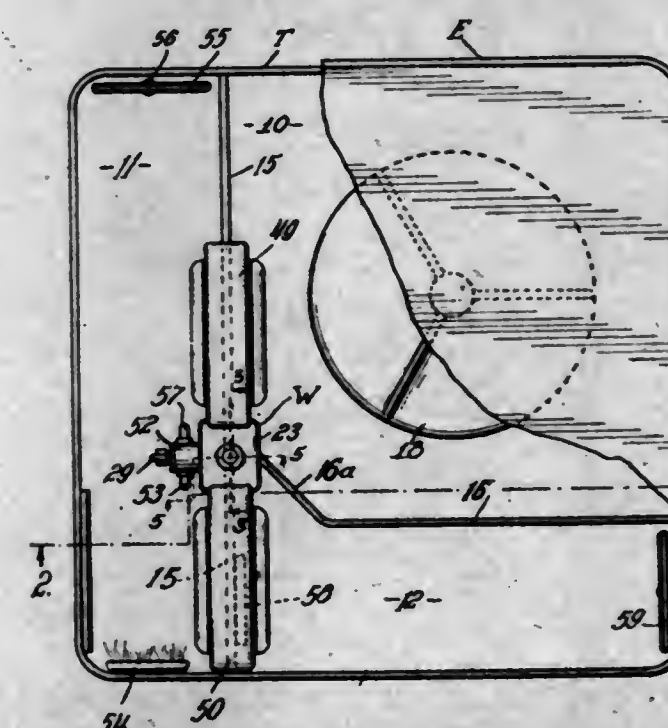


1. In an apparatus for supplying a sterilizing gas to a liquid to be sterilized in combination an open receptacle in which is maintained a body of liquid, means for supplying liquid to said receptacle, a closed container placed in said open receptacle, means for admitting said gas into said container, suction means for withdrawing said gas from said container and feeding it into said liquid to be sterilized, connecting means for admitting liquid from said receptacle into said gas filled container and a liquid seal included in said connecting means preventing the back flow of liquid charged with gas from said container into said open receptacle.

2,387,407

DOMESTIC LAUNDRY UNIT

Allen J. Patch, Ripon, Wis., assignor to Robert W. Lamont
Application May 10, 1943, Serial No. 486,289
9 Claims. (Cl. 68-9)

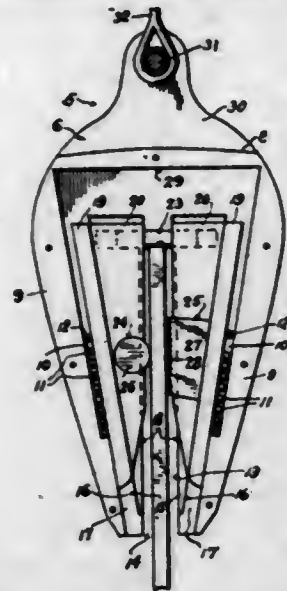


1. In a domestic laundry unit, a tub for washing clothes, a rinse tub along one side of the wash tub, a second rinse tub along another side of said wash tub at right angles to said first rinse tub, and means to wring and transfer clothes from said wash tub to said first rinse tub and from said first rinse tub to said second rinse tub

including coacting wringer rolls, with the bite of said rolls being closely adjacent the water line in said three tubs to rapidly transfer the clothes into said rinse tubs, said rapid transfer preventing the clothes from expanding and absorbing air to provide for a quick sinking of the clothes in said rinse tubs.

2,387,408 GRAPPLE

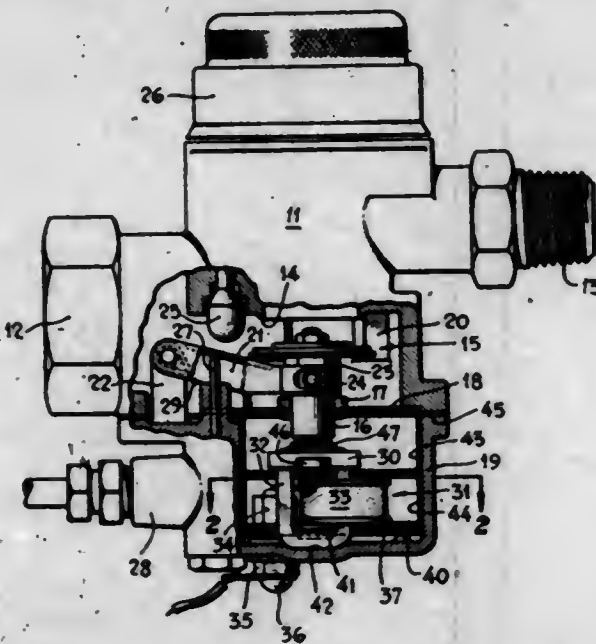
Hector V. Pertuit, New Orleans, La.
Application February 1, 1945, Serial No. 575,608
1 Claim. (Cl. 294-86)



A sheet plate grapple comprising, a housing having a plate receiving mouth therein, wedge blocks in the housing and operable relative to the mouth therein, gripping jaws on the opposed faces of the wedge blocks, means spanning the space between the upper portion of the wedge blocks and slidably connecting them together, anti-friction elements between the wedge blocks and housing, and a hoisting cable connected to the housing.

2,387,409 MOUNTING MEANS FOR ELECTRICAL PARTS

William A. Ray, Los Angeles, Calif.
Application March 10, 1943, Serial No. 478,628
8 Claims. (Cl. 175-21)



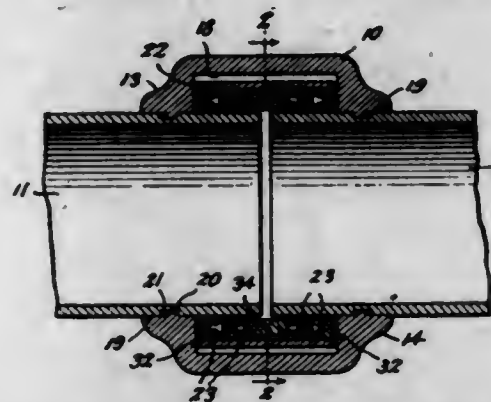
1. In an electrical device including an electromagnet: a U-shaped core for said electromagnet, there being an energizing coil around one of the side arms of said core; a base plate; and means for mounting said core on said base plate so that the free ends of the side arms of the core extend in a direction generally at right-angles to the base plate, comprising a sub-base plate apertured to receive said side arms of the core and disposed

between said coil and the closed end of the core in a plane substantially parallel to that of said base plate, and means for securing said sub-base plate with respect to said base plate without affecting said coil.

6. In an electrical device: an elongated terminal post adapted for electrical connection at one of its ends with a lead of said device, at least a portion of said post being noncircular in cross-section; a base plate; a single metallic screw means insulatingly extending through an opening in said base plate for attaching the other end of the post to the base plate, and including means at the side of the base plate away from the post for connecting the post in an electrical circuit; and means for preventing rotation of the post with respect to the base plate when said screw means is manipulated, comprising a sub-base plate of insulating material lying in a plane substantially parallel to that of the base plate and having an opening, conforming to the noncircular shape of the post, within which that portion of the post is disposed, said one end of the post being freely insertable in said noncircular opening in assembly, said sub-base plate being unrestrained by the post from movement longitudinally thereof, and means for preventing relative rotation of the base plate and the sub-base plate about the axis of said screw means.

2,387,410 PIPE COUPLING

Chester M. Roe, Hasbrouck Heights, N. J.
Application September 22, 1943, Serial No. 503,319
5 Claims. (Cl. 285-194)



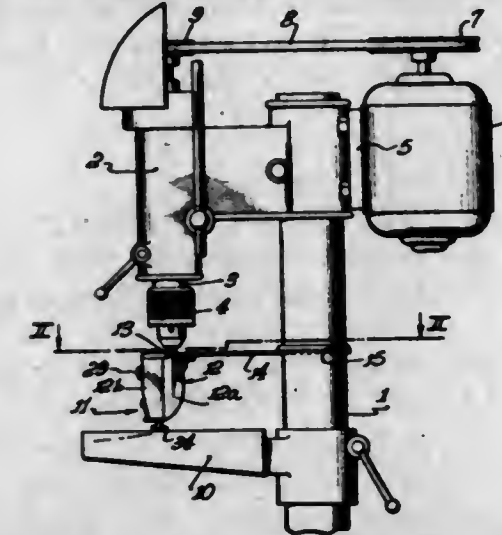
1. In a coupling for connecting and sealing the adjacent ends of pipes, a sleeve surrounding the adjacent ends of the pipes in spaced relation thereto, a tubular housing secured at its opposite ends to the pipes respectively in surrounding relation therewith and having an annular groove in its inner periphery intermediate its ends in which groove the said sleeve is arranged in spaced relation to the bottom thereof, and deformable sealing rings disposed between the sleeve and the pipes in surrounding relation with the pipes and impinging against the inner face of the sleeve and the outer faces of the pipes to thereby seal the sleeve in surrounding relation to the adjacent ends of the pipes and prevent leakage at the coupled ends of the pipes.

2,387,411 NIBBLER ATTACHMENT FOR POWER MACHINES

Benjamin F. Schmidt, Los Angeles, Calif.
Application December 19, 1944, Serial No. 568,877
3 Claims. (Cl. 164-47)

1. In a nibbler attachment for attachment to a power machine having a rotatable spindle, a housing, a rotatable shaft supported in said housing for attachment to the spindle of the power machine and having a cam formed thereon, a bell-

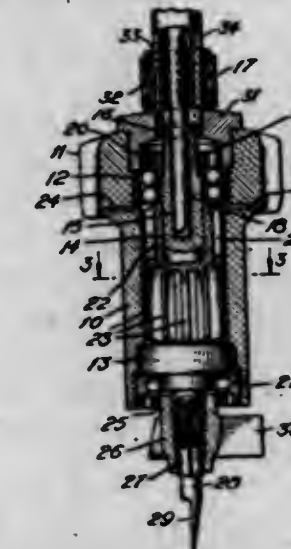
crank pivoted in said housing, a push bar reciprocally mounted in said housing for engagement with said cam, means attaching said push bar with one arm of said bellcrank, a nibbler comprising a die block and a cutter reciprocally



mounted relative to said die block, one end of said cutter bearing against one arm of said bellcrank for reciprocation thereby as said shaft is rotated, and spring means for urging said push bar against said cam.

2,387,412 TOOLHEAD OR THE LIKE

Albert E. Schnable, Ocean Grove, N. J.
Original application October 4, 1941, Serial No. 413,701, now Patent No. 2,350,704, dated July 6, 1944. Divided and this application March 19, 1943, Serial No. 479,809
6 Claims. (Cl. 90-11)



1. A tool supporting member, said member comprising a tubular body, a spindle in said body, means comprising end bearings in said body providing free rotation of said spindle, a sleeve on said spindle and extending from one bearing to the other bearing, a plurality of circumferentially spaced blades extending longitudinally of said sleeve for circulating air through said body, said spindle having an end protruding through one end of said body, means on said protruding end of the spindle for adjustably coupling a tool therewith, said bearings being self-aligning to provide automatic centralization of the spindle, the other end of the spindle having a socket, and means for keying a drive shaft in the socket of said spindle.

2,387,413 BOLT ACTUATING MECHANISM FOR BOLT ACTION FIREARMS

Edgar A. Shaffnit, Otsego, Mich.
Application September 18, 1943, Serial No. 502,854
10 Claims. (Cl. 42-16)

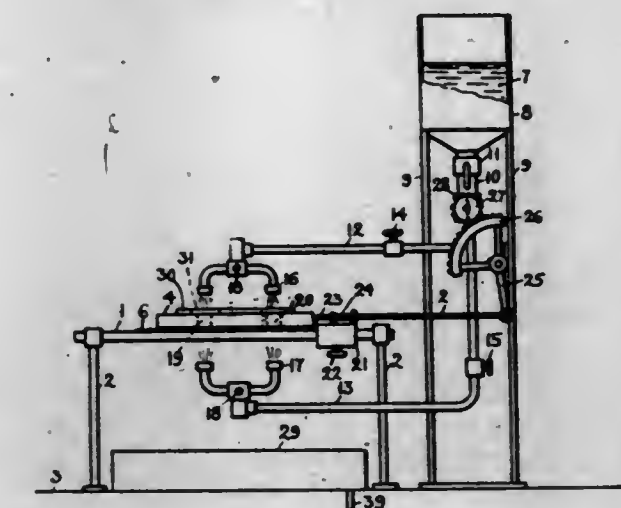
10. An actuating mechanism for bolt action firearms including a rotatable and slidable bolt

provided with an actuating arm, comprising a supporting bracket adapted for attachment to a firearm, a reciprocable hand piece, a slidably mounted bolt control member engaged with said bolt arm to permit swinging movement thereof, a lever connected to said control member for reciprocating movement therewith and mounted on said bracket for rotative and reciprocating move-



ment and connected to said bolt arm to impart swinging movement thereto, and means including a lost motion connection operatively connecting said hand piece to said lever and control member for imparting reciprocatory movement thereto, said means also operatively connecting said hand piece to said lever in such manner that the lever is swingingly actuated during the initial movement of the hand piece to swing the bolt arm.

2,387,414
QUENCHING DEVICE
William P. Shaks, Woodside, N. Y.
Application March 30, 1943, Serial No. 481,171
3 Claims. (Cl. 266-6)

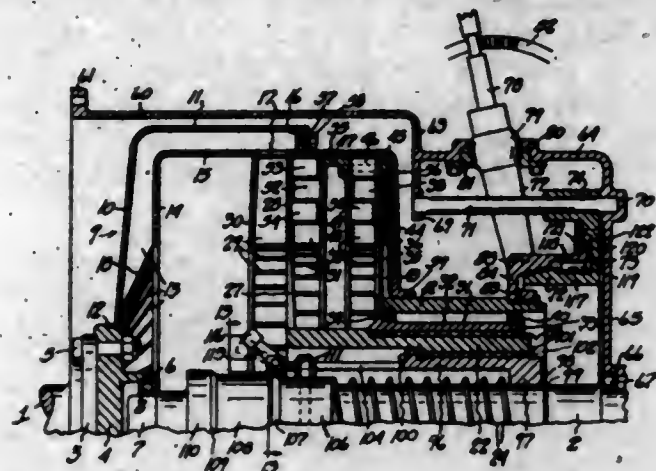


1. A quenching device comprising means to support a piece of work at an elevation; a protective plate adapted to be placed on top of the work and having an opening for admitting a quenching fluid to a limited spot on the work; means to direct the fluid against the exposed portion of the work through the opening; and means to control the flow of the fluid by the position of the work with the plate on the supporting means.

2,387,415
FLUID TRANSMISSION
Alfred B. Sibert, Rochester Township, Fulton County, Ind.
Application September 5, 1942, Serial No. 457,499
7 Claims. (Cl. 60-54)

2. A liquid drive transmission between a driving and a driven shaft, comprising an impeller unit on said driving shaft having an annular outlet, a driven unit mounted on said driven shaft juxtaposed to said impeller outlet and including a rotor and a stator cooperating to provide longitudinally spaced coupling and converter stages, selector means for directing liquid flow between said units through a selected stage of said driven unit, a one-way clutch associated

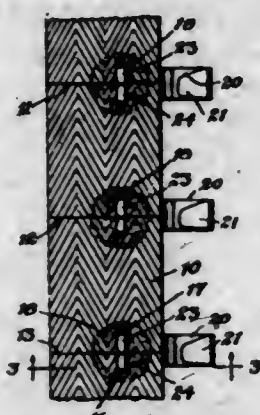
with said stator, and control means responsive to the speed and torque requirements of said



driven shaft for actuating said selector means and said clutch.

2,387,416

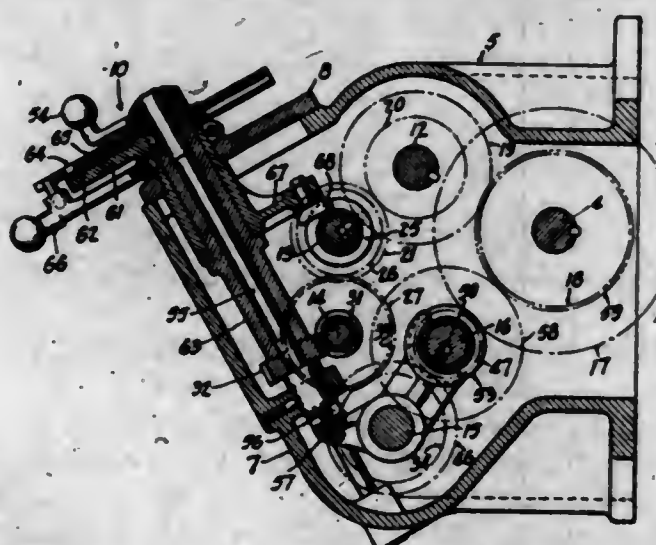
TAPE AND METHOD OF REINFORCING
Henry J. Stuart, Milford, Conn., assignor to I. Newman & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application December 3, 1942, Serial No. 467,799
7 Claims. (Cl. 2-265)



1. A woven tape, apertures in said tape made by spreading the fabric, said tape being impregnated with a cement immediately around said apertures of a character unaffected by temperatures normally employed in ironing fabrics, and an element fastened to said tape through said apertures.

2,387,417

LEAD SCREW GEAR THREADING BOX
Vigo von Krogh Sundt, Madison, Wis., assignor to Gisholt Machine Company, Madison, Wis., a corporation of Wisconsin
Application December 7, 1942, Serial No. 468,143
7 Claims. (Cl. 116-124)

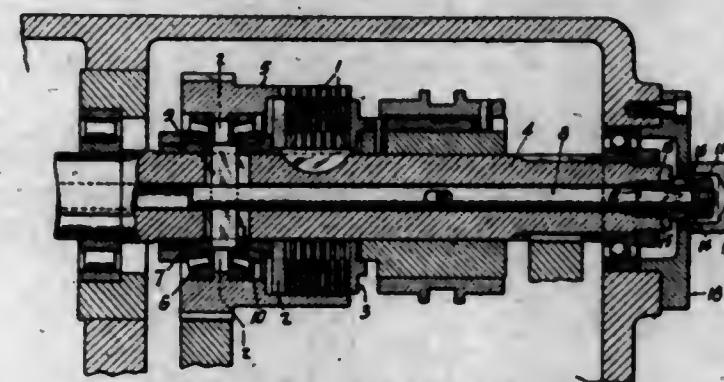


1. In a device of the class described having a plurality of separate change speed devices providing at least two selective speed ratios superimposed upon one another, a rotary member for selecting one of said speed ratios and having an

axially facing circular indicating dial thereon, and a rotary lever for selecting each remaining speed ratio superimposed upon said rotary member, and the dial of said rotary member indicating a single over-all selected speed ratio for the device without movement thereof after movement of the rotary lever to superimpose a remaining speed ratio on said rotary member.

2,387,418

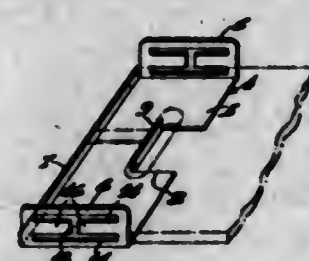
CLUTCH ADJUSTMENT
Vigo von Krogh Sundt, Madison, Wis., assignor to Gisholt Machine Company, Madison, Wis., a corporation of Wisconsin
Application December 18, 1942, Serial No. 469,497
4 Claims. (Cl. 192-110)



1. In a clutch, a fixed abutment mounted for rotation with a shaft and for adjustment longitudinally thereof to tighten or loosen the clutch, a rod extending axially of the shaft from the location of said abutment to the end of the shaft, a transverse key between said abutment and rod and secured therein to effect positioning of the abutment in accordance with the axial position of said rod, said key passing through an opening in the shaft sufficiently large to provide for the required longitudinal movement of the key in adjusting the clutch, said rod having a shoulder near its end, a bushing threaded into the bore in the shaft and engaging said shoulder, and a nut on the end of said rod for holding said shoulder against the bushing to secure the rod in adjusted axial position in the shaft determined by the axial position of said bushing in the shaft.

2,387,419

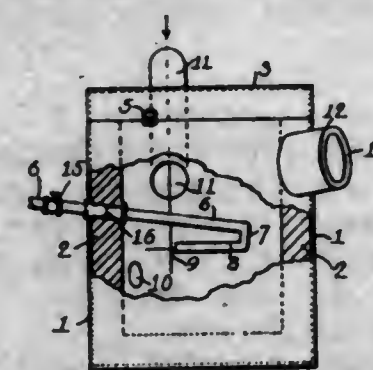
VENETIAN BLIND
Arthur L. Thexton, Cincinnati, Ohio, assignor to Clopay Corporation, Cincinnati, Ohio, a corporation of Maryland
Application December 7, 1943, Serial No. 513,248
10 Claims. (Cl. 160-173)



2. In a Venetian blind structure, the combination of a pair of tapes arranged in spaced relationship, a slat seat bracket having its endwise portions connected respectively with said tapes and a slat seated upon said bracket, said bracket having a gap in one marginal edge thereof and said slat having a gap in an edge thereof which is out of alignment with said bracket edge, the said gaps being overlapped to delineate an aperture for passage of a lift cord whereby said slat may be removed when unseated without dismantling the balance of the blind assembly.

2,387,420

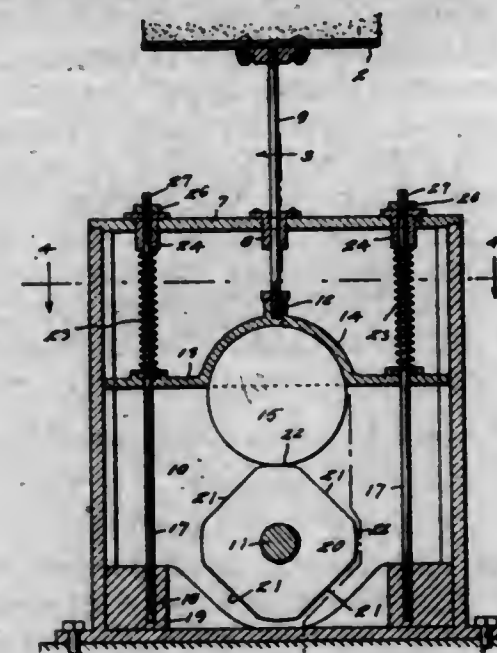
FUEL BURNER
Joseph J. Ursutz, Chesterton, Ind., assignor of one-third to George T. Bush, Chesterton, Ind.
Application June 8, 1942, Serial No. 446,186
2 Claims. (Cl. 158-5)



1. A fuel burner provided with a combustion chamber enclosed by a refractory lined vertical cylinder, a fuel pipe passing through the wall of the chamber, a vaporizer connected to said pipe comprising a tube extending across the major portion of the chamber diameter, said tube having a reverse bend, and an approximately parallel portion connected to the bend and terminating below the tube within the combustion chamber to constitute a vaporizing unit, an air inlet tube above the fuel pipe placed at a tangent to a circle that is concentric with the axis of the chamber and at approximately 90 degrees horizontally and approximately 45 degrees vertically to and across the delivery end of the fuel vaporizer, and a hot gas exit above the vaporizer.

2,387,421

DRIVE FOR PAPER MANUFACTURING MACHINES
Alfred Vanden Bergh, Green Bay, Wis.
Application February 28, 1944, Serial No. 524,275
1 Claim. (Cl. 74-55)

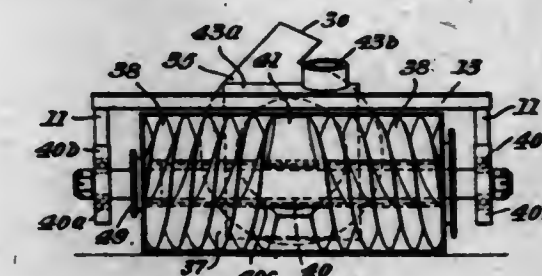


In combination with the diaphragm of a pulp screening apparatus used in paper manufacturing machines, a horizontal drive shaft, a frame through which the drive shaft operates, a cam mounted on the drive shaft, within said frame, a horizontal guide bar, comprising a central semi-circular portion or housing and straight horizontal end portions, a circular roller of a diameter substantially equal to that of the cam, mounted in the central semi-circular housing of the guide bar and working against the edge of the cam, a vertical endwise movable rod, connected at its lower end to the central housing of the guide bar and movable with the latter, perpendicular guide rods for the straight horizontal end portions of the guide bar, cylindrical sleeves extending

through the top member of the frame, and coil compression springs disposed around the upper ends of said perpendicular guide rods between said sleeves and the end portions of the guide bar.

2,387,422

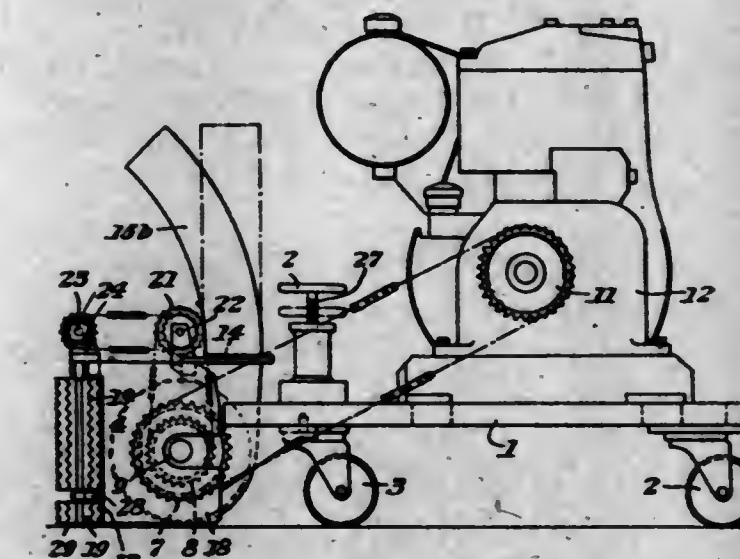
SNOW-REMOVAL APPARATUS
William Mayo Venable, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application May 16, 1944, Serial No. 535,826
7 Claims. (Cl. 37-43)



1. In a snow-removal apparatus, the combination with a traveling frame having a rotary impeller mounted thereon with its axis in line with the path traveled by the frame, and a casing for said impeller having a peripheral discharge outlet and a front inlet surrounding the axis thereof, a feeder rotor mounted on said frame with its axis at right angles to that of the impeller, and groups of helical flights of opposite pitch spaced apart on the rotor and effective to feed snow from both ends thereof toward the middle, corresponding flights of each group merging at the middle in a closure member substantially parallel to the axis of the feeder rotor and having a center outlet much narrower than the front inlet of the impeller.

2,387,423

SNOW-REMOVAL APPARATUS
William Mayo Venable, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application May 16, 1944, Serial No. 535,827
5 Claims. (Cl. 37-43)



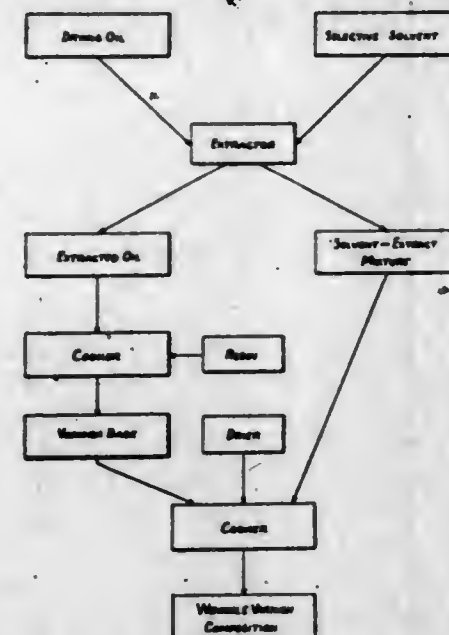
1. In a snow-removal apparatus, a frame adapted to move along a roadway or the like, a rotor journaled transversely at the forward end of the frame including one or more pairs of conveyor screws adapted to move snow from both ends toward the middle, the two members of each pair forming closure with one another at the middle, a substantially semi-cylindrical casing extending around the rear side of said screws, with a peripheral discharge outlet in the middle thereof, and a semi-cylindrical closure wall enclosing the front of said rotor opposite to said peripheral discharge outlet, said frame including a beam ex-

tending longitudinally of the rotor and disposed forwardly thereof, and a pair of vertical rotary cutters mounted on said beam in front of said front closure wall to divert snow to each side thereof.

2,387,424

COATING COMPOSITION

William Allshire Waldie, Oakwood, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del., a corporation of Delaware
Application October 25, 1943, Serial No. 507,495
6 Claims. (Cl. 106—222)

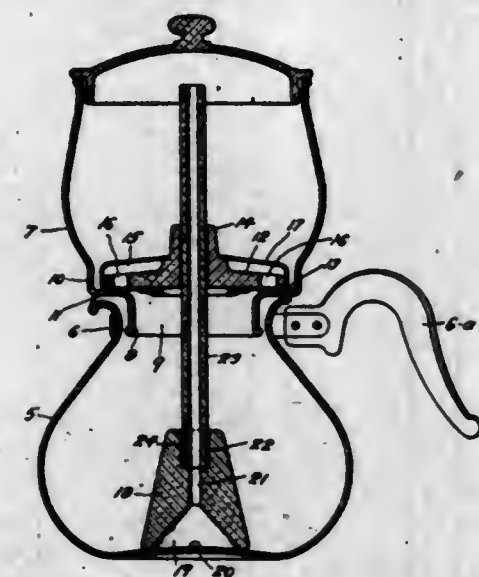


1. The method of making a wrinkle varnish coating composition which comprises extracting a non-conjugated type drying oil with a selective solvent comprising solvent selected from the group consisting of furfural, furfural acetone, furfuryl alcohol, and tetrahydrofurfuryl alcohol, separating the solvent-extract mixture from said oil, reacting the remaining oil with resin to form a wrinkle varnish base, adding drier and the solvent-extract mixture to said varnish base, and heat treating the mixture further at a temperature of from 200 to 400° F. to produce a wrinkle varnish coating composition.

2,387,425

COFFEE PERCOLATOR

Frank E. Wolcott, West Hartford, Conn., assignor to The Silex Company, Hartford, Conn.
Application July 28, 1942, Serial No. 452,570
1 Claim. (Cl. 99—310)



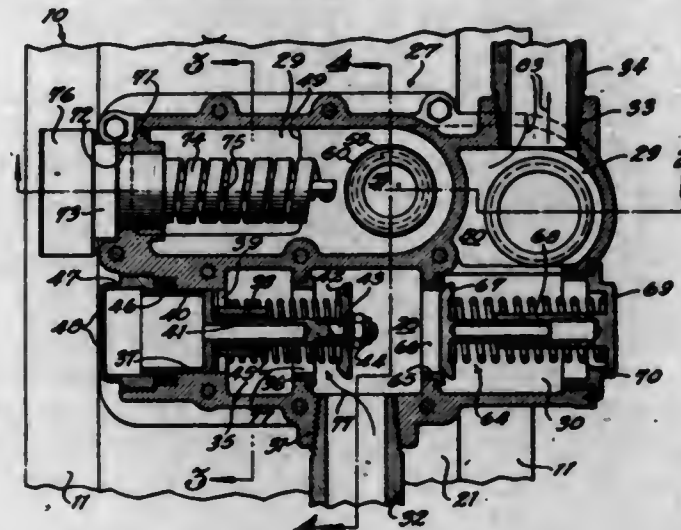
In a coffee maker of the character described, the combination of a lower bowl, an upper bowl having a substantially flat bottom seated upon said lower bowl and a central opening in said bottom, an annular wall portion defining said opening and depending into said lower bowl, a drainer member seated upon said bottom over

said opening, a pump member in said lower bowl, a tube extending upwardly from said pump member through said drainer member, a vertical boss on said drainer plate surrounding said tube, and a strainer sheet of pervious material surrounding said boss and extending outwardly therefrom over and under said drainer plate.

2,387,426

OIL COOLER PROTECTIVE DEVICE

Soren K. Andersen, Los Angeles, and Charles J. Vanous, Burbank, Calif., assignors to The Garrett Corporation, Alhambra Manufacturing Company division, Los Angeles, Calif., a corporation of California
Application October 9, 1941, Serial No. 414,286
22 Claims. (Cl. 257—2)

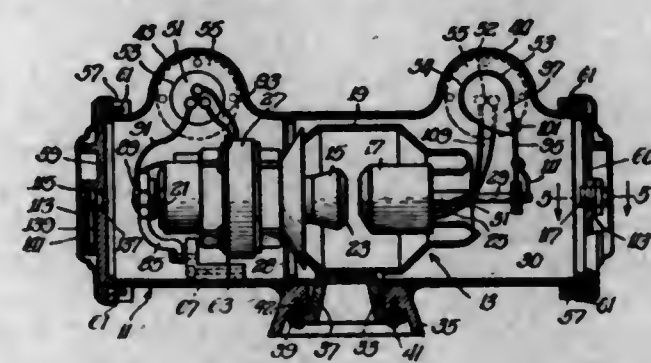


2. In an oil cooling system of the class described, a protective device for connecting an oil cooler having an inlet opening and outlet opening to the hot oil delivery piping and the cooled oil return piping of the oil cooling system, including: wall means forming an inlet passage to connect said delivery piping to said inlet opening of cooler; wall means forming an outlet passage for connecting said outlet of the cooler with said return piping; wall means forming a by-pass passage connecting said inlet passage with said outlet passage; a valve for said by-pass passage opening in response to pressure in said inlet passage to permit a flow of oil through said by-pass passage to said outlet passage; and valve means associated with said inlet passage operating in response to pressure in said inlet passage to prevent flow of oil from said delivery piping through said inlet passage to the interior of said cooler.

2,387,427

X-RAY APPARATUS

Zed J. Atlee, Elmhurst, and James C. Filmer, Wheaton, Ill., assignors to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application October 22, 1942, Serial No. 462,954
14 Claims. (Cl. 250—90)



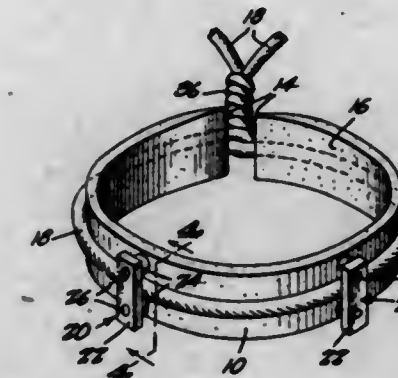
1. X-ray apparatus comprising a sealed casing forming a compartment, an X-ray tube in said compartment, a gaseous insulating medium enveloping the tube in said casing, said medium

having vapor pressure characteristics such that it may exist, under pressure, in a liquid phase at normal atmospheric temperature, a storage chamber connected with said compartment and heat insulating means thermally insulating said chamber from said compartment, the walls of said chamber being exposed to the surrounding atmosphere to maintain said chamber at a temperature sufficiently low to maintain an insulating medium, in liquid condition, therein.

2,387,428

TOURNIQUET

Norman W. Brothers, Providence, R. I.
Application July 12, 1943, Serial No. 494,358
2 Claims. (Cl. 128—327)



1. A tourniquet comprising a flexible strap adapted to be bent about a limb and having tapered overlapping ends, a plurality of guides attached to the exterior face of the strap, each of said guides having a bar disposed transversely of the strap, a rivet connecting each end portion of the bar with the strap, a spacing sleeve on each rivet interposed between the bar and the strap, and a cord extending circumferentially of said strap and through the respective guides thereon.

2,387,429

GLASSINE PAPER

Paul H. Cate, New York, N. Y., assignor to Kelco Company, San Diego, Calif., a corporation of Delaware
No Drawing. Application October 21, 1940, Serial No. 362,166
3 Claims. (Cl. 92—3)

1. Glassine paper comprising paper pulp, glycerine, and substantially 0.3% of an alginate homogeneously incorporated therein to render same oil-resistant and transparent.

2,387,430

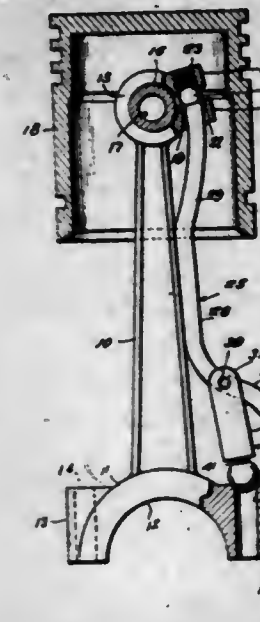
TOOL

Eugene T. Daubs, South St. Paul, Minn.
Application June 12, 1944, Serial No. 539,863
3 Claims. (Cl. 254—131)

3. In a tool for releasing the grip of a connecting rod clamp having projecting lugs with apertures therethrough, one of said apertures being threaded and the other being smooth and of greater diameter than the threaded aperture, on a wrist-pin, the combination of a curved rod, an end portion of said rod being of a diameter sufficient to pass through said second aperture but not said first aperture, a member having a threaded aperture in its lower extremity, a screw rotatably engaged in said aperture to vary the effective length of said member, a head on said screw adapted to be seated on a portion of said connecting rod, and a pivot securing said mem-

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ber to said curved rod at an intermediate point whereby pressure on one end of said curved rod

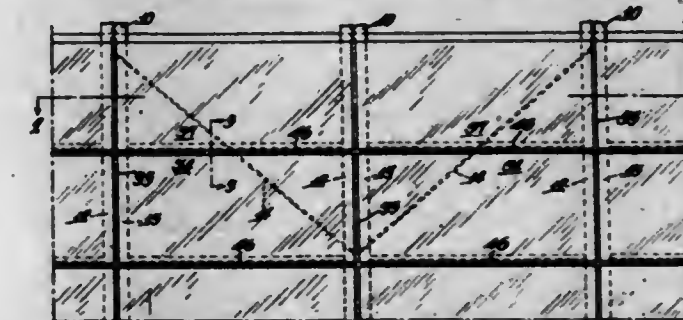


exerts a leverage through said member and said head on said end portion to separate said lugs.

2,387,431

WALL CONSTRUCTION

George W. Du Laney, Camden, N. J.
Application April 19, 1943, Serial No. 483,571
4 Claims. (Cl. 20—4)



1. In wall construction, a plurality of I-beams having their webs parallel and spaced at intervals, effective as risers, panels between the I-beams, each grooved at the vertical end faces to receive an I-beam flange and by the grooves divided vertically into inner and outer rims, the inner rims fitting the inner surfaces of the flanges, and at its end edges fitting the adjacent I-beam webs and the outer rims shorter laterally than the inner rims and under-cut at their edges so as between adjacent panels to provide tapered spaces wider adjacent the I-beam flanges than at the outer surfaces of the panels, and filling material within the tapered spaces held in by the taper and acting as pointing material.

2,387,432

STRUCTURAL WALL SECTION

George W. Du Laney, Camden, N. J.
Application December 28, 1943, Serial No. 515,893
5 Claims. (Cl. 189—40)



1. A pair of channels placed back to back and having the flanges of the channels reversely

turned converging along their outer edges at one end to form a socket and a nailing strip extending between the intumed flanges and the channel flanges so that the terminal edges of the converging flanges grip the nailing strip and the strip is free from engagement by the converging flanges between the edges and the channel flanges.

2,387,433

VALVE FOR HOLLOW INFLATABLE ARTICLES

Frank Fenton, Akron, Ohio, assignor to The Sun Rubber Company, Barberton, Ohio, a corporation of Ohio
Application October 16, 1944, Serial No. 558,821
5 Claims. (Cl. 273-65)

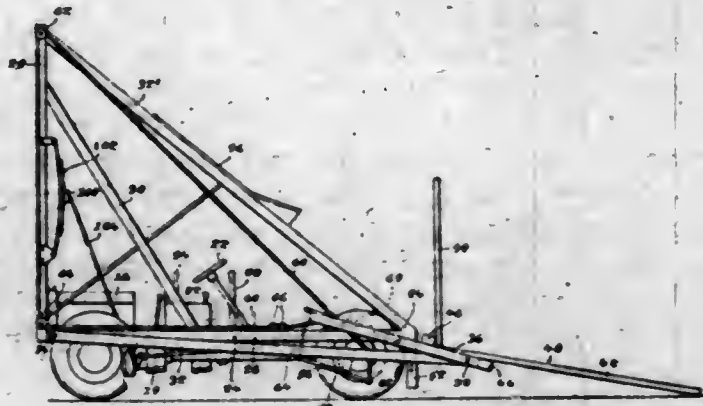


1. A valve for inflatable articles, comprising a stem of rubber or like material having a cavity therein and having an opening at one end to be presented outwardly of the article, a self-sealing plug received in said stem cavity, a closure cap for fitting in said opening for retaining said plug in the stem, and interconnecting tongue and groove means on said stem and said cap for releasably securing the cap in said opening.

2,387,434

HAY HANDLING DEVICE

Oran Ferrill Fitch, Auburn, Calif.
Application January 17, 1944, Serial No. 518,607
4 Claims. (Cl. 214-131)



1. In a stacking machine of the type having a wheeled frame, a power element, and clutch and brake mechanism, a supplementary frame on the wheeled frame and having an upright back part, lift members pivoted on said supplementary frame, beams pivoted at one end to the pivoted lift members and extending forwardly thereof, a sweep unit attached to said beams at their ends, said sweep unit having a back structure extending normally upwardly from the sweep unit, rocking levers on the pivoted lift members attached to the other ends of the beams, cables attached to the rocking levers and connected with the winding drums connected with the power element, a spring mounted stop on the vertical frame to limit the upward movement of the pivoted lift members, a connection between said stop and the clutch to disconnect the power plant when the pivoted lift members engage the stop, and the rocking levers permitting limited motion of the sweep unit independent of the pivotal movement of the pivoted lift members.

2,387,435

PREPARATION OF AROMATIC ORTHO-DINITRILES

Maurice H. Fleisher, Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation, a corporation of New York

No Drawing. Application June 14, 1939,

Serial No. 279,051

19 Claims. (Cl. 260-465)

1. A process of producing an aromatic ortho-dinitrile which comprises reacting the corresponding diamide with phosphorus oxychloride in a liquid reaction medium comprising an organic tertiary base.

2,387,436

WIRE OR ROD CONNECTOR AND CLAMP

Louis Frank, Fellows, Calif.
Application June 12, 1943, Serial No. 490,597
5 Claims. (Cl. 287-83)

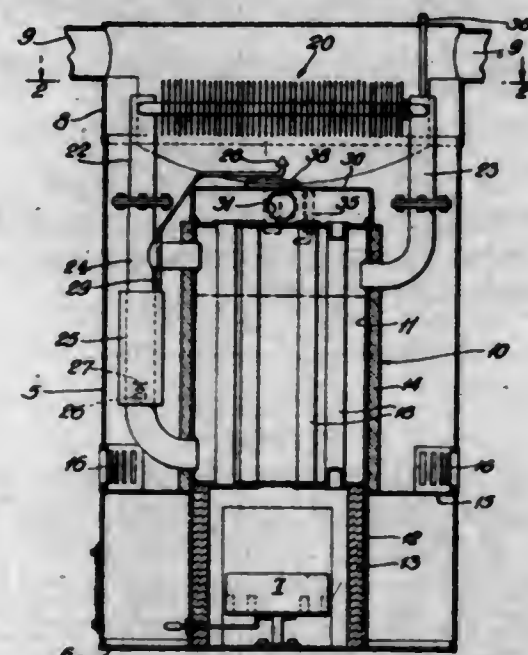


1. A connector and clamp for rods, wires, cables and the like comprising a housing provided at one end with an opening, an eccentric block pivoted within the housing above said opening, a retractile spring connected to said block above its pivot point and tending to move the free end portion of said block downwardly toward said opening, one of the side walls of the housing having an arcuate slot, concentric with the axis of said eccentric block and a pin seated in said block and extending outwardly through said arcuate slot.

2,387,437

HEATING APPARATUS

David E. Goggin, Brooklyn, N. Y., assignor to Francis J. Kennan, Hoboken, N. J.
Application March 26, 1941, Serial No. 385,239
6 Claims. (Cl. 126-101)



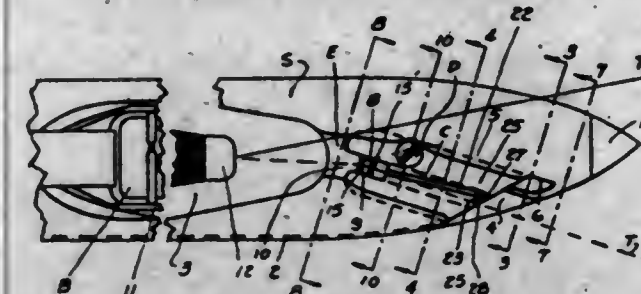
1. A heating apparatus comprising a boiler for converting liquid into vapor, a source of heat, a heat exchanger, supply and return connections between said boiler and said heat exchanger, said return connection entering the boiler above the liquid level therein, said supply connection being located above said return connection and above the level of the liquid in the boiler and comprising a vertically extending section connected to said heat exchanger and a laterally extending section

entering the side wall of the boiler, and a vertically extending pipe connecting the lower end of said vertically extending section of said supply connection to said boiler at a point below the level of the liquid in the boiler.

2,387,438

SHUTTLE

Wilfred Joseph Gosselin, Methuen, Mass., assignor to U. S. Bobbin & Shuttle Co., Providence, R. I., a corporation of Rhode Island
Application March 16, 1944, Serial No. 526,668
14 Claims. (Cl. 139-223)

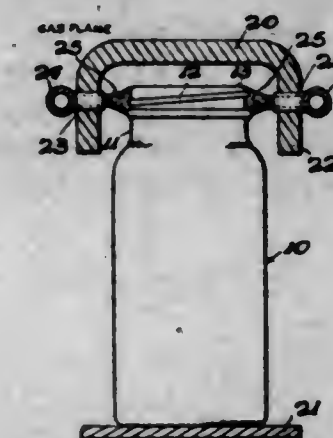


1. In an automatic weaving shuttle having a front tip, a bobbin recess and a thread delivery eye passage extending diagonally forward in a substantially straight line from the front of the bobbin recess to a thread delivery eye passage outlet in the side of the shuttle between the front tip and the bobbin recess, a threading slot including a mouth having downwardly converging lips at its top and extending down and diagonally forward from the top near the front of the bobbin recess and entering the thread delivery eye passage along its front on the side away from the eye outlet so as to form a trap hook extending down from the top front of the eye outlet, an eye outlet thread guide extending from in front of the end of the threading slot out and down beyond the front and bottom part of the trap hook, and vertical outlet pins which extend across the front and back of the eye outlet.

2,387,439

METHOD OF SEALING CONTAINERS

Andrew P. Grabus, Jr., and Albin H. Warth, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application February 5, 1942, Serial No. 429,694
2 Claims. (Cl. 226-83)



1. The method of sealing a container by means of a cap engageable with the container and having therein a separable disc provided on its exposed face with a film of thermoplastic adhesive, said container having a lip defining a mouth, said method comprising heating the container lip from an external source to a temperature at which the adhesive will soften, applying the cap over the lip and engaging it with the container to tightly press the adhesive against the lip so that the adhesive will be softened, and permitting the

2,387,440

COORDINATE MEASURING STAGE

Gustav E. Guellich and Albin A. Gradisar, Buffalo, N. Y., assignors, by mesne assignments, to American Optical Company, Southbridge, Mass., a voluntary association
Application March 19, 1943, Serial No. 479,758
6 Claims. (Cl. 33-174)

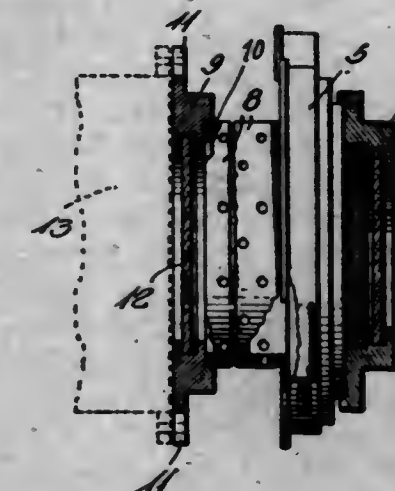


1. In a device of the character described, a base member, an intermediate member slidably mounted on said base member, a pair of self-contained air controlled snubber members connected with said base member and said intermediate member and adapted to urge said intermediate member toward its normal position and also prevent too rapid return of the intermediate member, a table member on said intermediate member and a pair of self-contained air controlled snubber members connected with said intermediate member and said table member and adapted to urge said table member toward its normal position and also prevent too rapid return of said table member and means for locking said intermediate member in adjusted position.

2,387,441

ATTACHMENT FOR PICTURE PROJECTING APPARATUS

George E. Hamilton, Meadville, Pa., assignor to Keystone View Company, Meadville, Pa., a corporation of Pennsylvania
Application March 8, 1943, Serial No. 478,409
1 Claim. (Cl. 88-24)

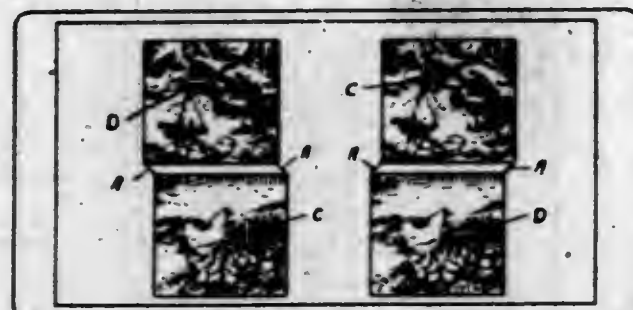


In a picture projecting apparatus having a lantern, a ring having an internal glass plate, means for anchoring the ring on the lantern, a shutter casing spaced from the lantern, a ventilating apertured tube having detachable joints with the ring and shutter casing, respectively, the said ventilating tube forming an open duct between the ring and shutter casing for dissipating the heat of the lantern and preventing injury to a shutter and its blades within the casing.

2,387,442

DEVICE FOR VISUAL TRAINING

George E. Hamilton, Meadville, Pa., assignor to Keystone View Company, a corporation of Pennsylvania
Application September 11, 1943, Serial No. 502,029
5 Claims. (Cl. 88—20)

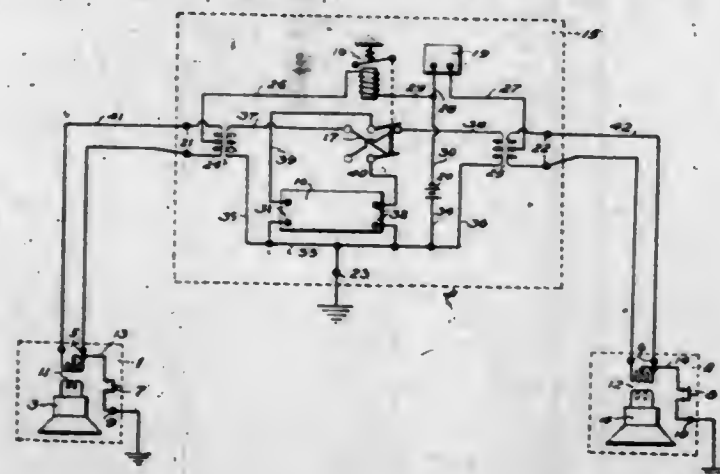


1. A device for visual training comprising a card having thereon a pair of spaced upper stereoscopic pictures and a pair of lower stereoscopic pictures spaced below the upper stereoscopic pictures and at a less distance apart than the upper pictures, and said card having inwardly converging lines extending from the lower corners of the upper pictures to the upper corners of the lower pictures, said pictures having indicators thereon merging when both eyes are used in observing the pictures through a stereoscope.

2,387,443

COMMUNICATION SYSTEM

Werner Hasenberg, Rio de Janeiro, Brazil
Application May 17, 1944, Serial No. 535,996
5 Claims. (Cl. 179—1)



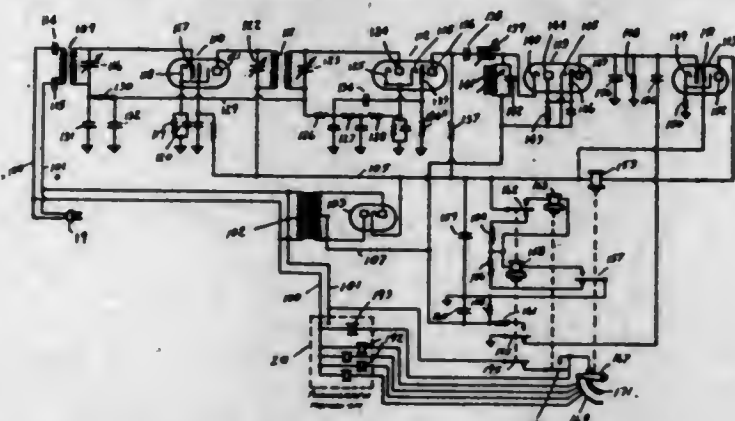
1. An intercommunication system comprising a central office; a plurality of remotely located stations; communication channels between the stations and the central office; a group of communication control units located thereat; each communication control unit having inlet and outlet terminals adapted to be connected to any two of said remotely located stations through their respective communication channels for establishing a communication circuit between said two stations, each communication control unit including in combination, an amplifier, an electromagnetic device responsive to control current, a reversing switch forming part of the communication circuit for controlling the direction of the communication being operatively associated with and having its position controlled by said electromagnetic device, means including said electromagnetic device and said inlet terminals providing a normally open control circuit extending through that of the two communication channels which has been connected to said inlet terminals; each of said stations having a speaker unit adapted to function as microphone and means including a normally open switch permitting the electric center point of the communication channel to be grounded; the communication circuit established between two of said stations by in-

serting a communication control unit at the central office being characterized by the fact that said control circuit may be completed and the direction of communication thereby reversed upon closing of said switch belonging to that of the two stations which has been connected to said inlet terminals of said communication control unit at the central office.

2,387,444

REMOTE CONTROL APPARATUS

Lamar E. Hayslett, Kenmore, and Fred H. Osborne, Snyder, N. Y., assignors to The Rudolph Wurlitzer Company, Cincinnati, Ohio, a corporation
Application August 5, 1941, Serial No. 405,522
3 Claims. (Cl. 177—353)

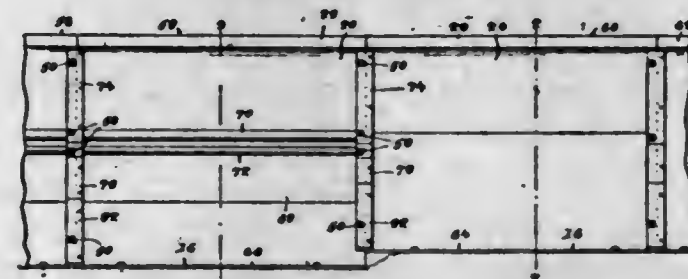


1. In an impulse receiver for a remote control system, the sub-combination of an electrical unit responsive to signal impulses received by said receiver, a time delay device associated therewith and normally limiting response of said electrical unit to impulses of greater than a predetermined duration, switching means controlled by actuation of said electrical unit and adapted to render said time delay device inactive, whereby said electrical unit becomes responsive to impulses of shorter duration, and other time delay apparatus actuated by response of said electrical unit to the shorter impulses and associated with said switching means to delay return thereof to initial position for a predetermined period after each such actuation, whereby said first mentioned time delay device remains inactive through a series of the shorter impulses following the initial long impulse by an interval less than said predetermined period and occurring at intervals less than said predetermined period.

2,387,445

CONCRETE WALL FORM

William W. Herring, Oklahoma City, Okla.
Application August 16, 1943, Serial No. 498,818
4 Claims. (Cl. 25—131)

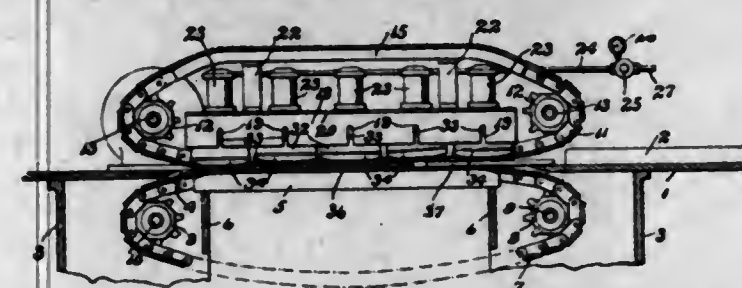


1. A concrete form comprising spaced vertical walls, means acting on the walls to hold the latter in predetermined spaced relationship, opposed outwardly and downwardly extending base formations in said walls flanges on the lower edges for supporting the form in an upright position, and outwardly and upwardly extending portions on the upper edges of said walls to provide a track for a wheeled concrete carrier.

2,387,446

BOARD FEED FOR WOODWORKING MACHINES

Cornelius M. Herz, Grand Rapids, Mich., assignor to Irwin Machinery Company, Grand Rapids, Mich., a corporation of Michigan
Application July 31, 1943, Serial No. 496,856
10 Claims. (Cl. 198—162)



1. Apparatus of the character specified comprising, continuous feeding means positioned with respect to each other for the engagement and carrying therebetween, in the direction of their lengths, materials of varying thicknesses entered at one end of the feeding means, a plurality of spaced pressure units located to transmit pressure to said materials lengthwise thereof, each including an immediate pressure transmitting element tiltable in response to the passage of the adjacent ends of lengths of material of varying thickness, and means for applying equal and substantially constant pressure to each of said pressure units as material of varying thicknesses is passed therebetween.

2,387,447

BASIC ETHERS AND PROCESS OF MAKING SAME

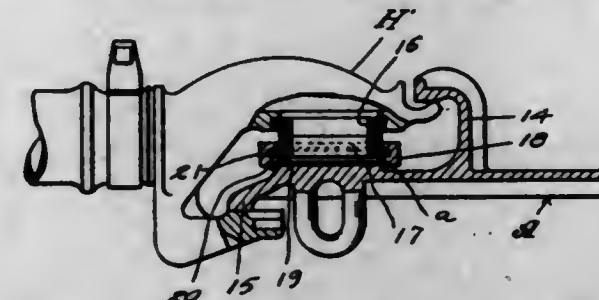
Karl Hoffmann and Harald von Meyenburg, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J.
No Drawing. Application April 1, 1942, Serial No. 437,276. In Switzerland April 10, 1941
4 Claims. (Cl. 260—471)

1. α : α -Diphenyl - α - dialkylaminoalkoxy-acetic acid-alkyl esters.

2,387,448

COMBINED CLOSURE AND AIR HOSE DUMMY

Sylvester L. Joiner, Sweetwater, Tex.
Application June 8, 1943, Serial No. 490,087
3 Claims. (Cl. 285—58)

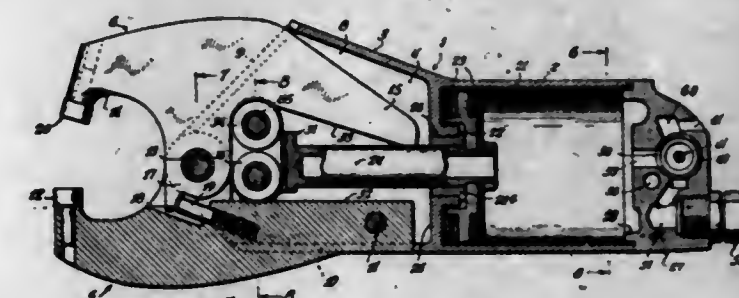


1. A dummy air hose coupling, comprising an elongated member having locking flanges adjacent one end for connection with corresponding flanges of a standard coupling, the member having a substantially flat face between the locking flanges, said face having a circular recess formed therein and closed upon the side remote from said face against communication with the atmosphere, the inner wall of the recess having a circular channel cut therein, and a gasket fitted in the recess and having an encircling rib fitting in the circular channel, the gasket projecting beyond said face for tight engagement and coaction with the gasket of the standard coupling.

2,387,449

SQUEEZE RIVETER

Frank A. Kaman, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a corporation of Delaware
Application August 17, 1942, Serial No. 455,083
2 Claims. (Cl. 78—31)

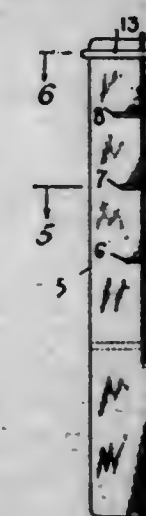


1. In a mechanical movement, a support, a lever comprised of angularly disposed arm portions and fulcrumed at a fixed point on the support through one of said arm portions, a track-way on the support in spaced relation to the other arm portion, the latter having a cam surface overlying the track-way and in angular relation thereto in the normal position of the lever, a reciprocable member mounted on the support and movable towards and from the fulcrum of said lever, means on the support for reciprocating said member, a driving head attached to said member and located between said cam surface and the track-way, roller elements and spacer means therefor floatably mounted on the driving head for self-adjustment as a unit relatively thereto, said spacer means holding the roller elements in engagement with the cam surface and the track-way, respectively, and out of peripheral contact with each other, and means for holding the lever against its roller element on the driving head.

2,387,450

HAND TOOL FOR MAKING STRIPS FROM SHEET MATERIAL

Samuel Emmett King, Torrance, Calif.
Application September 6, 1944, Serial No. 552,842
9 Claims. (Cl. 30—278)



1. A tool for producing pliant strips, consisting of a base having a transverse slot therein, and a knife pivoted on and telescopic into the base and across the slot and a loop pivoted on one end of the base to bridge the near end of the closed knife.

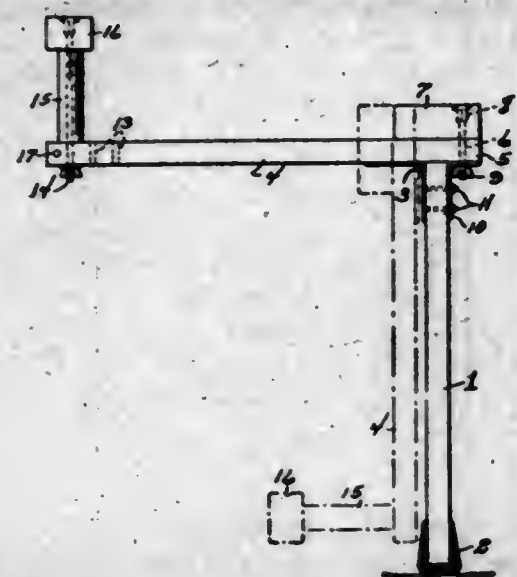
2,387,451

CANTILEVER SEAT

Frank A. Kuntz, Allentown, Pa.
Application November 2, 1944, Serial No. 561,594
6 Claims. (Cl. 155—135)

1. A seat comprising a horizontal bar, a single supporting leg attached to one end of the hori-

zontal bar, a seat attached to said end of the horizontal bar, and a transversely extending knee engaging bar attached intermediate its ends to



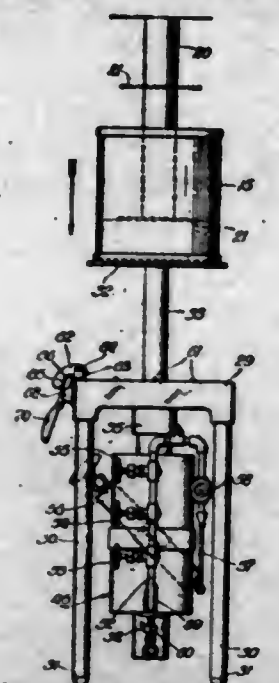
the opposite end of the horizontal bar and a spacing element between the horizontal bar and the knee engaging bar.

2,387,452

PACKAGING APPARATUS

Ingie J. Lundal, Maywood, and Charles F. Weinreich, Des Plaines, Ill., assignors to Cherry-Burrell Corporation, Wilmington, Del., a corporation

Application May 16, 1940, Serial No. 335,440
14 Claims. (Cl. 226-24)



8. A packaging device comprising, in combination, lifting mechanism for controllably lifting a receptacle to a predetermined position, means for varying the speed and capacity of the lifting movement of said lifting mechanism, a delivery conduit adapted to project into the open end of the receptacle and deliver material thereinto, means on the delivery conduit for applying pressure to the material delivered into the receptacle, whereby to lower said receptacle during the filling operation to the position occupied by said receptacle prior to the commencement of the lifting operation while maintaining a substantially uniform pressure upon the material through the pressure applying means.

2,387,453

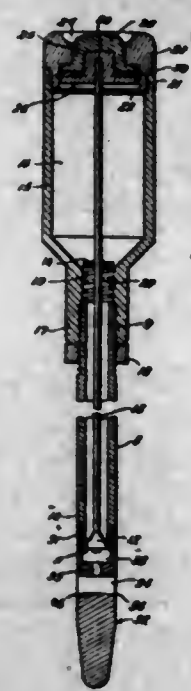
SELF-OILING BURNISHING TOOL

William E. MacGuire and Kenneth J. Dodge, Louisville, Ky., assignors, by mesne assignments, to Frank B. Yingling, Hamilton, Ohio

Application May 18, 1944, Serial No. 536,220
7 Claims. (Cl. 29-90)

1. A self oiling burnishing tool comprising a hollow shank, a hollow handle on said shank and

having its interior in communication with the interior of said shank, a cap for the end of said handle, a valve for closing the free end of said shank, a valve stem attached to the valve and extending through the shank and said handle, a burnishing tip member removably mounted on



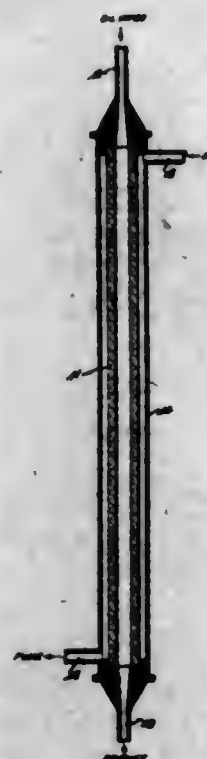
the free end of the shank and having an axial bore for communication with the hollow shank when the valve is open, and a transverse bore connecting with the axial bore, and means manually operable from the exterior of the handle and for opening said valve.

2,387,454

PROCESS FOR CONDUCTING CATALYTIC REACTIONS

Milton M. Marisc, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application May 11, 1944, Serial No. 535,103
10 Claims. (Cl. 196-52)



1. A process for conducting a series of alternate reactions in contact with a porous solid body on each side of which endothermic and exothermic reactions are alternately performed, the improvement which comprises conducting the exothermic reaction by contact of exothermic reactants with one side of a sheet of porous glass prepared by effecting phase separation of a glass and leaching out one of the separated phases; and simultaneously conducting the endothermic reaction by contact of endothermic reactants

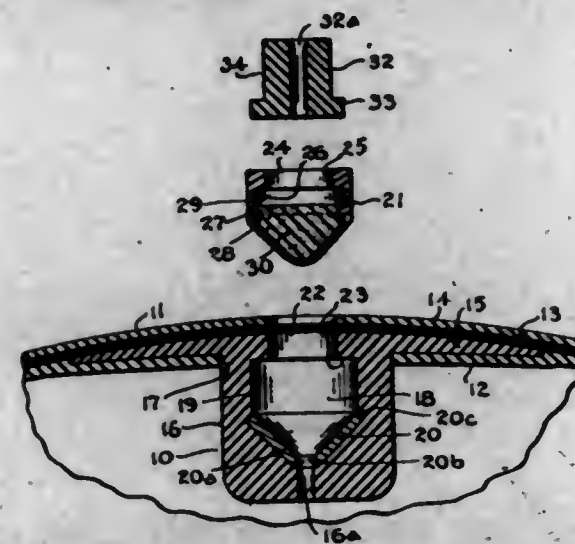
with the other side of said sheet of porous glass, while inhibiting admixture of said endothermic and said exothermic reactants exterior to said sheet of porous glass.

2,387,455

INFLATING VALVE FOR HOLLOW ARTICLES

Bernard A. McDermott, Akron, Ohio, assignor to The Sun Rubber Company, Barberton, Ohio, a corporation of Ohio

Application July 16, 1945, Serial No. 605,205
15 Claims. (Cl. 273-65)



1. A valve for inflatable articles, comprising a stem having a cavity therein, said stem having apertures at inner and outer ends thereof communicating with said cavity, a self-sealing plug receivable in said cavity through said outer aperture, a cap receivable in said outer aperture, and interconnecting means on said cap, stem and plug for securing the cap and plug in the stem.

2,387,456

CONTROLLING DEVICE FOR WELL TOOLS

Joseph S. McDonald and Walter E. A. Buska, Houston, Tex.

Application June 23, 1942, Serial No. 448,112
6 Claims. (Cl. 164-0.5)



1. In a well tool adapted to be used inside of a well bore and comprising a controllable mechanism; an instrumentality for controlling said mechanism, an element, when in one position, maintaining said instrumentality in a predetermined position, said element being movable on the tool and ipso facto effecting change in said instrumentality, when in another position, latch means for holding the element in one position,

other means on the tool for operating the latch means to allow said element to move to a predetermined position and non-manual means to move said element to effect a change in the instrumentality.

2,387,457

CHARGING BUCKET FOR ELECTRIC FURNACES AND THE LIKE

James McIlwrick and Oscar Desjardins, Hamilton, Ontario, Canada

Application December 11, 1944, Serial No. 567,709
In Canada April 19, 1944
6 Claims. (Cl. 294-69)



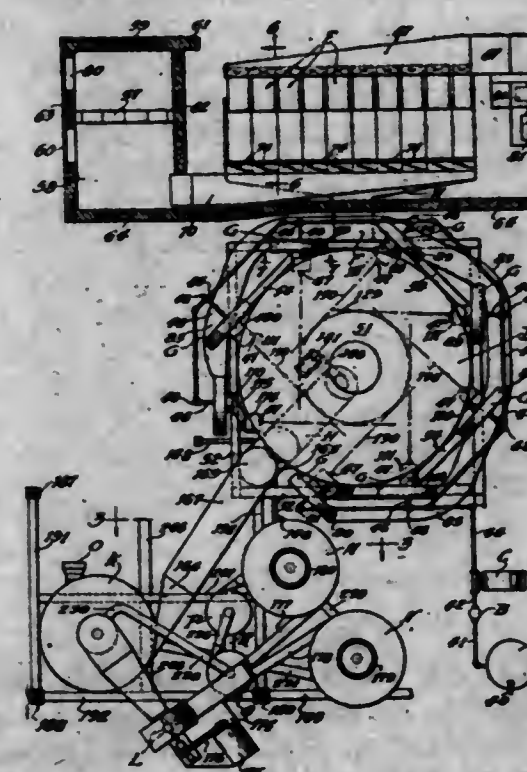
1. A quick release device of the character described adapted to encircle the apices of a plurality of downwardly swingable triangular members forming the inverted pyramidal bottom of a furnace charging bucket and comprising a flexible band member encircling the apices of the triangular members, one end of the band being attached to one of the triangular members and the other end being free, a swingable latch extending through an orifice in the free end of the band when the band encircles the triangular members, a latch release member for retaining the latch in engagement with the band, and means actuating the latch release member out of its latch retaining position whereby the latch swings under the tension of the band to disengage therefrom and free the end of the band.

2,387,458

METHOD OF AND APPARATUS FOR DEHYDRATING SUBSTANCES

Julius J. Mojonner, Winfield, Ill., assignor to Mojonner Bros. Co., a corporation of Illinois

Application December 16, 1942, Serial No. 469,272
11 Claims. (Cl. 159-4)

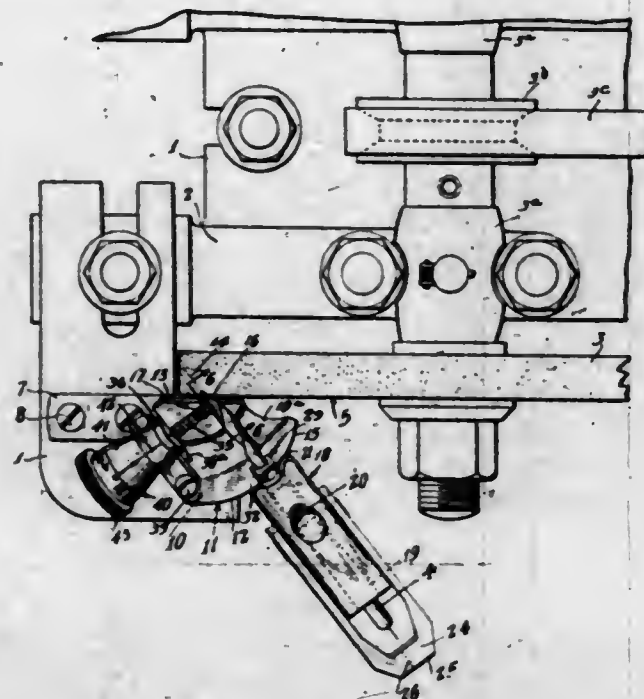


1. The method of dehydrating a liquid substance of the class described in a gaseous drying medium; which method consists in continuously

sucking a stream of the heated medium through a closed path including a precipitation chamber, a conduit and a cyclone in series; giving the medium a swirling motion in said chamber; injecting the liquid substance under pressure into the swirling medium within said chamber, thereby precipitating the substance as a powder within said chamber, the medium giving off heat and taking up moisture; then violently jostling the precipitate wholly within the suction stream of heated medium, within the conduit after it leaves the precipitation chamber and before it enters the cyclone, to extract more moisture from it and add the same to the moisture content of the stream of heated medium but still without increasing its moisture up to the saturation point; and finally separating the resulting product from the medium in part by cyclonic suction action.

2,387,459

GUIDING MEANS FOR GRINDING DRILLS
Albert C. Moorefield, Hawthorne, Calif.
Application February 9, 1943, Serial No. 475,245
9 Claims. (Cl. 51-219)



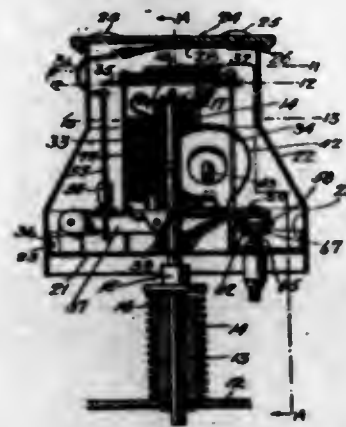
1. In guiding means for facilitating the grinding of a drill-point on an abrading face, the combination of a relatively fixed rest having an upper face disposed in a plane inclined with relation to the abrading face against which the point of the drill is presented, said rest having a curved guide remote from the abrading face, a relatively fixed centering stop carried by the rest for guiding the side of the drill adjacent to, but removed from, its sharpened point so that the "cone" point of the drill is located between the stop and the abrading face; and means secured to the drill adjacent the said curved guide for riding along the same in sharpening the drill, all of said parts cooperating to enable the drill to be swung in each direction from its mid-position on the rest to sharpen the inclined face of the drill point on both sides of its axis.

2,387,460

ELECTRICAL COOKING APPARATUS
Joseph W. Myers, Philadelphia, Pa., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application February 24, 1941, Serial No. 380,341
11 Claims. (Cl. 219-37)

4. In an electrically operated cooking apparatus, an electrical heating unit comprising a

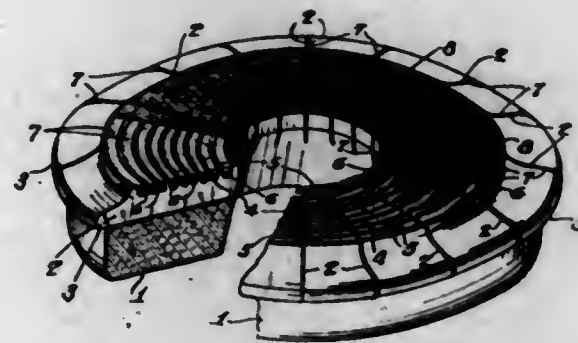
pair of main heating elements and a relatively low wattage heating element, a supply line including two outer conductors and a neutral conductor, thermal-responsive means arranged to receive heat by thermal conduction from a cooking vessel placed on said heating unit and also receiving heat directly from the heating unit, means for substantially nullifying the effect of said direct heat on said thermal-responsive means, switching means adapted in one position to connect said main heating elements in series across said outer conductors and to connect said low wattage element between said neutral con-



ductor and the junction of the main elements, said switching means being adapted in another position to connect one of said main elements and said low wattage element in series between an outer conductor and said neutral conductor, and means operable by said thermal-responsive means for actuating said switching means.

2,387,461

ELECTRICAL COOKING UNIT
Joseph W. Myers and Stephen J. Roesch, Philadelphia, Pa., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application January 1, 1942, Serial No. 425,330
9 Claims. (Cl. 219-37)

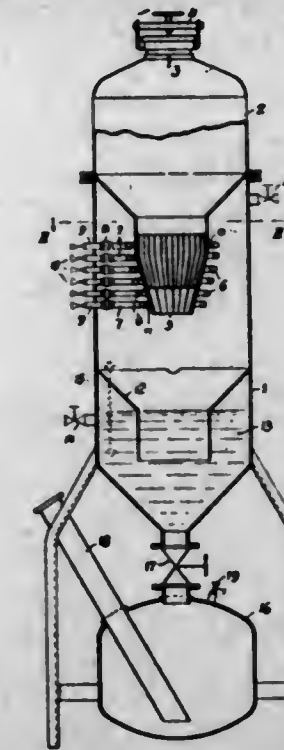


2. In a surface cooking unit for electric ranges or the like, a refractory support having shallow and narrow circular channels in its upper portion defined by thin up-standing ribs, said channels and said ribs being of such dimensions radially of the unit that there are not less than four channels per inch in a radial direction, a small-diameter helical heating coil disposed within and substantially filling said channels, and a thermally-conducting electrical-insulating cement filling said channels and forming a thin working face, said cement having a coefficient of contraction such that it develops irregular minute cracks which divide the cement face into a plurality of pieces, whereby the cement face, when rapidly heated or cooled, cannot exert a disrupting force on said support and the thin ribs but is securely locked to the support by the closely spaced ribs against displacement from either thermal or mechanical shock.

2,387,462

ACETYLENE GENERATOR
Karl Sixten Jöns Nordholm, V. Bodarne, Sweden, assignor to Aktiebolaget Svenska Carbidekontoret, Gothenburg, Sweden, a corporation of Sweden
Application December 4, 1943, Serial No. 512,853
In Sweden December 4, 1942
4 Claims. (Cl. 48-4)

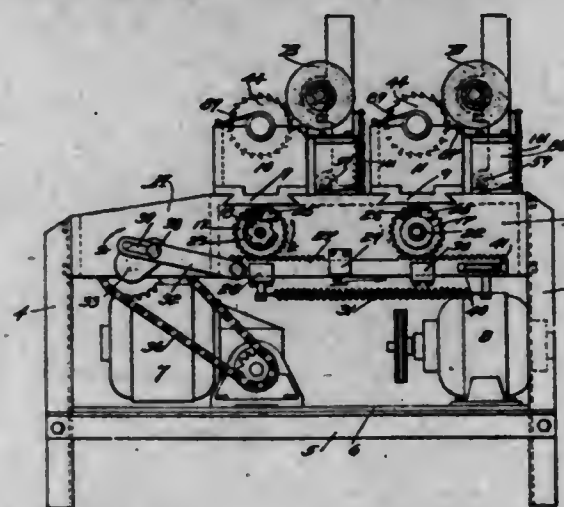
1. An acetylene generator comprising in combination, a perforated carbide receptacle, a water



conduit, a plurality of annular tubes connected to said conduit and arranged one above the other round said receptacle, said annular tubes having nozzle openings for sprinkling water against said perforated receptacle, a gas-tight covering at least round said receptacle and said annular nozzle tubes, a water outlet from said covering, a gas outlet from said covering, the height of said carbide receptacle exceeding considerably the width of the bottom thereof, and a plurality of independently operable valve means for controlling the flow of the water through said nozzles.

2,387,463

TOOL GRINDING MACHINE
John Fred Pagendam, Oakland, Calif.
Application June 7, 1943, Serial No. 489,934
11 Claims. (Cl. 51-98)

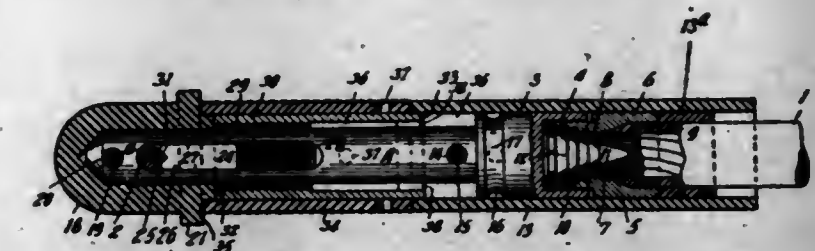


1. In a machine of the character described, a frame, a carriage to receive and secure a multi-toothed tool to be ground, a grinding wheel disposed at one side of the carriage and the tool mounted thereon, a drive shaft journaled in the frame, a crank on the drive shaft, means actuated by said crank for advancing the carriage and tool to be ground step by step a distance equal to the spacing between the teeth on the tool to be ground and for maintaining the carriage and tool at rest

between each step by step movement, an eccentric on the drive shaft, and means actuated by said eccentric for imparting movement to the grinding wheel toward and into contact with the tool to be ground during the rest period of the carriage and away from the tool during advance movement of the carriage and tool.

2,387,464

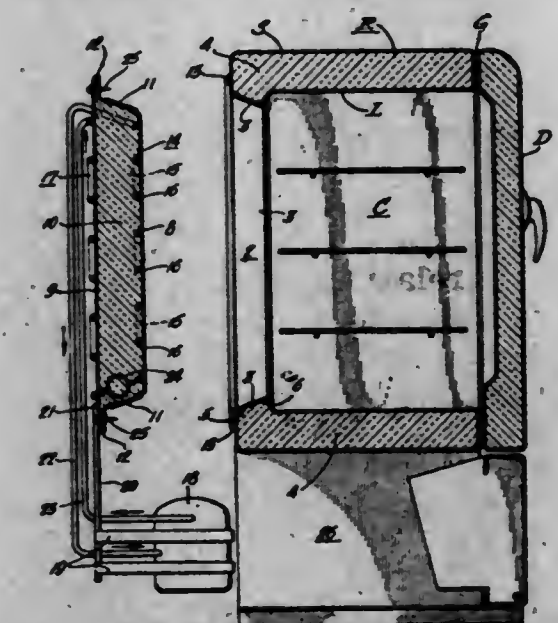
WELDING ELECTRODE HOLDER
Charles A. Palmgren, Chicago, Ill.
Application October 18, 1943, Serial No. 506,656
9 Claims. (Cl. 219-8)



1. In an electrode holder of the class described, the combination of a body member having a transverse bore at one end for holding an electrode, and having an elongated longitudinal slot in said body member merging with said electrode bore, an electrode clamping jaw in said slot movable toward and from the electrode bore, a rotary tubular sleeve member surrounding said slot and movable jaw, and having internal threaded connection with said movable jaw for actuating the jaw.

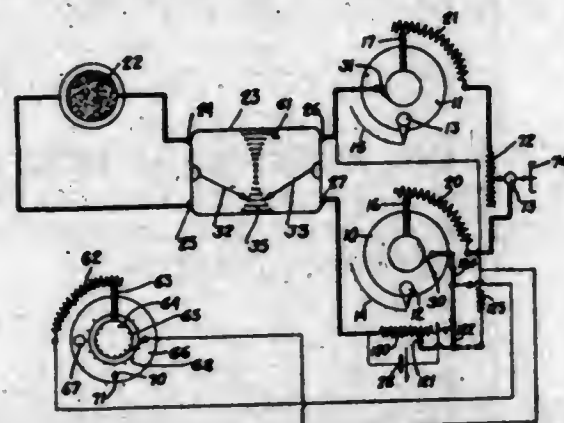
2,387,465

EVAPORATOR-CONDENSER CONSTRUCTION
Frank D. Peltier, Horsham, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application November 30, 1943, Serial No. 512,389
4 Claims. (Cl. 62-116)



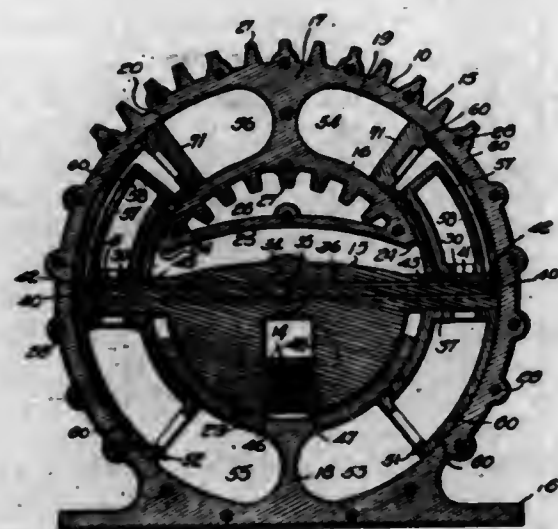
1. In a refrigerator, a cabinet having thermally insulated walls defining a food storage compartment, a separable wall portion comprising inner and outer metallic facing elements arranged in spaced relation with insulation therebetween and normally disposed in positions adjoining the interior and exterior of said compartment, respectively, evaporator means secured to said inner facing in intimate heat exchange relation therewith and arranged substantially in the plane thereof, and condenser means secured to said outer facing in intimate heat exchange relation therewith and arranged substantially in the plane thereof, said wall portion, said evaporator, and said condenser being removable as a unit from said cabinet.

2,387,466
PHOTOELECTRIC EXPOSURE CONTROL
 Karl Rath, New York, N. Y.
 Application September 16, 1943, Serial No. 502,594
 12 Claims. (Cl. 95-10)



1. In combination with a photographic camera having adjustable lens aperture and exposure time control means, photovoltaic means to produce an electric current varying in accordance with the brightness of a scene to be photographed, a source of constant electrical potential, a twin-indicator comprising a magnet having a pair of air gaps and moving coils carrying pointers mounted in said air gaps, said pointers being arranged to enable indication of the relative deflection thereof by a single observation, circuit connections directly electrically connecting one of said moving coils to said photovoltaic means, variable electrical resistance means coupled with one of said control means, further variable resistance means coupled with the other of said control means, and further connections to provide an electric circuit including said source, the other of said moving coils and both said variable resistance means.

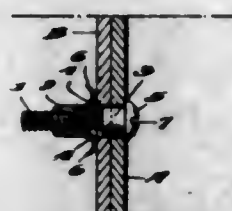
2,387,467
INTERNAL-COMBUSTION ENGINE
 Harry E. Reiter, Sandusky, Ohio
 Substituted for abandoned application Serial No. 373,356, January 6, 1941. This application June 28, 1944, Serial No. 542,501
 2 Claims. (Cl. 123-18)



1. An internal combustion engine comprising a three-part casing including an integral cylinder block formed of inner and outer substantially cylindrical walls and circumferentially spaced integral webs connecting said walls, and front and rear heads secured against said block and cooperating with said walls and said webs to form an arcuate cylinder, said inner wall having a radial opening therethrough spaced from said webs, an arcuate piston mounted for movement in said cylinder, a rocker body within said inner wall and connected to said piston through said opening, a

crank shaft parallel to the axis of said rocker, a crank on said shaft arranged in the plane of said cylinder block, and means arranged in said plane for imparting rotational movement to said shaft through said crank upon rocking movement of said rocker body.

2,387,468
FASTENER
 Willis J. Ritzel, Pasadena, Calif.
 Application January 4, 1944, Serial No. 516,958
 5 Claims. (Cl. 85-1)



1. A nut having a screw-threaded body portion and a plurality of resilient fingers extending from said body to engage, and be spread by, the adjacent opposed face of a perforated member, in combination with a bolt to extend through said perforation in said member and engage said nut body to draw the same toward said member and force said fingers into contact with said member and thereby deflect, bend and radially outwardly spread said fingers, said bolt carrying positioning means extending into said perforation, said body portion and fingers as a unit being of such external cross-sectional dimensions and of such resiliency as to pass through any perforation that will receive said positioning means, and each finger being arcuate in cross-section and formed with inwardly presented sharp side edges and having a thin lightly flexible resilient pointed end.

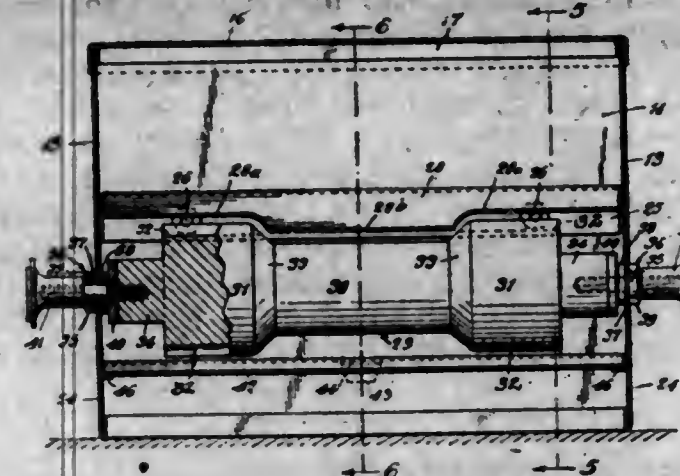
2,387,469
DERIVATIVES OF SATURATED AND UNSATURATED ANDROSTANE-DIOLS (3:17)
 Leopold Ruzicka, Zurich, and Albert Wettstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products Incorporated, Summit, N. J., a corporation of New Jersey
 No Drawing. Application August 16, 1937, Serial No. 159,432, now Patent No. 2,308,834, dated January 19, 1943, which is a division of application Serial No. 85,437, June 15, 1936, now Patent No. 2,308,833, dated January 19, 1943. Divided and this application November 9, 1942, Serial No. 465,091. In Switzerland June 18, 1935

6 Claims. (Cl. 260-397.5)
 1. A member of the group consisting of the 3-hydroxy-17-acyloxy-androstanes and the 3-hydroxy-17-acyloxy-androstenes.

2,387,470
DISPENSING MACHINE
 Fred T. Seegar and William Panitch, Chicago, Ill.
 Application February 14, 1944, Serial No. 522,242
 3 Claims. (Cl. 312-34)

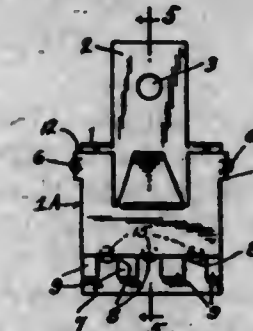
2. In a dispensing device of the class described, a casing open at the top and bottom, a cover for the casing, oppositely inwardly inclined walls in the casing having their inner edges spaced to form a central longitudinal opening, a rotatable member journaled in the casing at the ends of the opening and having a central reduced portion and enlarged end portions, longitudinal grooves in said end portions, the edges of said walls sub-

stantially conforming to the peripheral contour of the rotatable member and in close proximity



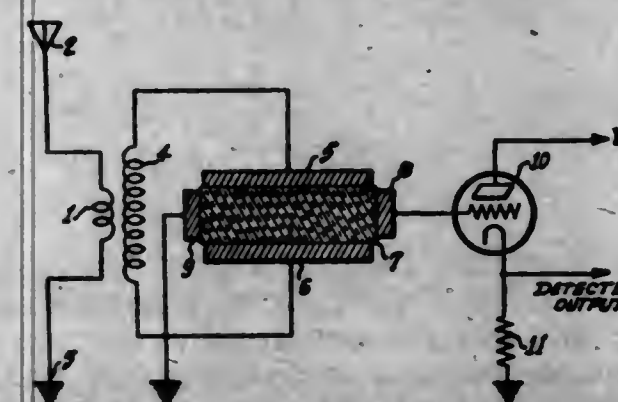
thereto, and means for turning said rotatable member.

2,387,471
FILM CLIP
 Cleveland Simpson, Winston-Salem, N. C.
 Application May 25, 1944, Serial No. 537,323
 2 Claims. (Cl. 24-253)



1. A clip device, comprising a body formed of corrosion and chemical resistant material, said body having an extension formed with spaced openings, a part of the body over-lying and spaced from the extension and having slots registering with the openings, a hinged and demountably connected anchoring device on the body having arrow-shaped teeth receivable in the slots and openings, a weighting device carried by the body out of contact with corrosive substances and chemicals, and the body formed with a slot for receiving the edge of an object inserted between the extension and the over-lying part of the body, and engaged by the teeth.

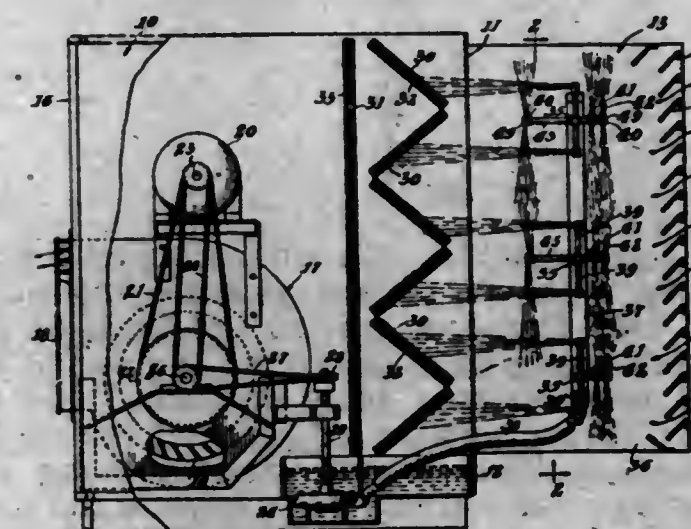
2,387,472
SQUARE-LAW DETECTOR
 Carl G. Sontheimer, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
 Application August 17, 1943, Serial No. 499,029
 6 Claims. (Cl. 250-31)



1. An electromechanical non-magnetic modulator for amplitude modulated signals comprising a dielectric element having mechanical vibratory and electrical axes, electrostatic driving means disposed adjacent said element in a plane normal to said mechanical axis thereof and responsive to the square of the magnitudes of said signals

for providing mechanical vibration of said dielectric element, and means responsive to said mechanical vibration of said element for deriving electrical voltages characteristic of a predetermined modulation component of said signals.

2,387,473
AIR CONDITIONING
 Bruno J. Spitzka, Harvey, Ill., assignor to Comfort Products Corporation, Harvey, Ill., a corporation of Illinois
 Application August 7, 1943, Serial No. 497,726
 4 Claims. (Cl. 183-13)



1. In an air filtering and cooling apparatus of the class described, a casing having air inlet and outlet ends, a blower positioned in the outlet end of the casing for drawing air therethrough, a plurality of spray nozzles arranged adjacent the air inlet end of the casing to provide a transversely extending water curtain for cooling and removing solids from air passing therethrough, air scrubbing means provided within the casing for further cooling and filtering of the air after same has passed through said water curtain, said air scrubbing means comprising a plurality of connected filter mats arranged in zigzag formation to provide alternate upwardly and downwardly inclined faces, and a second set of spray nozzles for directing sprays of water against the inclined faces of said air scrubbing means.

2,387,474
FLOWER HOLDER
 Albin John Spokus, Seattle, Wash.
 Application September 27, 1943, Serial No. 503,932
 3 Claims. (Cl. 24-6)



1. A flower holder, comprising: a base plate having means for attachment of the same to a garment; a flower stem impaling tine and a wall outstanding on said base; a plate pivotally attached to move scissors fashion with respect to said base plate and to lie in face to face relation therebehind; said second plate having a flange parallel to said wall when the plates are in the closed position in which position said wall and said flange form a channel; a cross-impaling tine on said flange to intersect the stem of a flower impaled upon said first mentioned impaling tine; and means between said wall and said flange to close the channel thereformed and to latch said times in cross-impaling position.

2,387,475 ORNAMENT

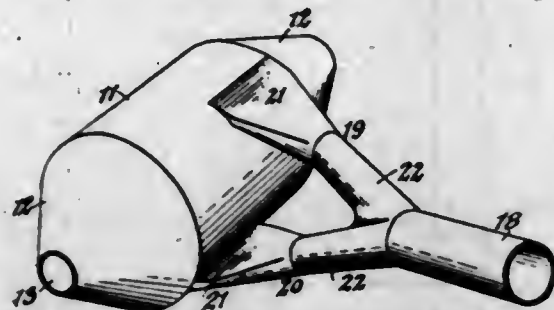
Edna B. Stokoe, Los Angeles, Calif.
Application July 27, 1943, Serial No. 496,302
3 Claims. (Cl. 41-24)



1. An ornament of the character described, comprising a frame, a pane of glass within the front of said frame, a mat at the back of said frame and spaced from said pane, a sheet of stiff material between said pane and said mat and having an object on that side thereof facing said pane, that portion of said sheet bearing said object being extended forwardly beyond the plane of said sheet, and a pillow simulation secured to the front side of said sheet and to said object bearing portion for holding the latter in forwardly extended position as aforesaid.

2,387,476 MUFFLER

Charles B. Taylor, Buffalo, N. Y.
Application September 29, 1943, Serial No. 504,248
3 Claims. (Cl. 181-58)



1. A muffler for silencing the noise of exhaust gases from internal combustion engines and the like, comprising a shell providing a tubular chamber having an axial outlet, and a plurality of inlet tubes for gas under pressure extending tangentially from said shell and opening tangentially into the periphery of said chamber at different circumferential parts of the same, and one of said tubes extending tangentially from said shell in one angular direction and another of said tubes extending tangentially from said shell in the opposite angular direction for causing the incoming gas streams from the several tubes to whirl circumferentially in opposite directions and in contact with each other for eliminating noise producing pulsations therein.

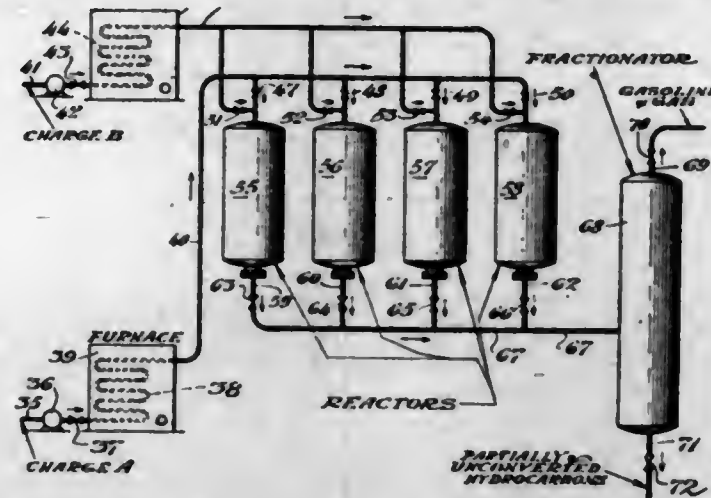
2,387,477

HYDROCARBON CONVERSION

Charles L. Thomas, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application June 30, 1941, Serial No. 400,373
4 Claims. (Cl. 196-52)

2. In the process of catalytically cracking hydrocarbons wherein the hydrocarbon reactants

are heated to reaction temperature and passed in contact with an active catalyst capable of promoting the reaction, the activity of said catalyst decreasing as the processing period progresses, the catalyst being periodically regenerated to restore its activity, and the operation being made continuous by employing a plurality of reaction zones in which the catalyst is disposed, each of said reaction zones being alternately processed and regenerated and wherein the conversion reaction is conducted simultaneously in at least two of said reaction zones and the time of introduction of the hydrocarbon reactants is so

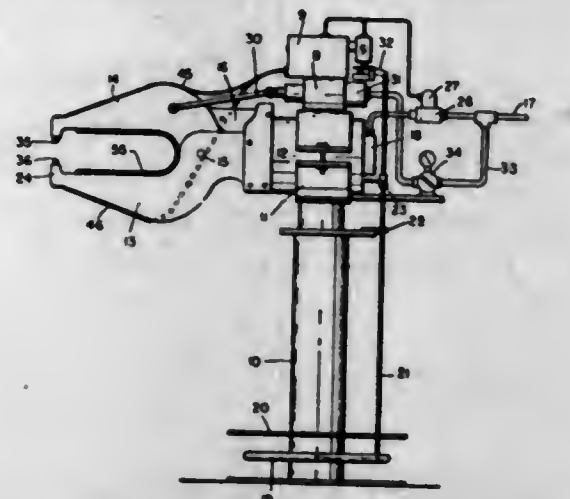


regulated that said reaction zones are in different stages of processing, the improvement which comprises, heating separate streams of the hydrocarbon reactants each to a different temperature, supplying to the reaction zones as the conversion reaction progresses therein varying portions of said separately heated streams, said portions being regulated to maintain a high space velocity and relatively low temperature in the reaction zone wherein the catalyst activity is relatively high and to maintain a lower space velocity and high temperature in the reaction zone wherein the catalyst activity is relatively low.

2,387,478

SAFETY MEANS FOR POWER-OPERATED TOOLS

Frank E. Tiffany, Claremont, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application March 28, 1944, Serial No. 528,487
16 Claims. (Cl. 192-130)



1. In a machine having a part movable into engagement with a work piece, a mechanism for operating said part to act on the work piece, and a power source for said mechanism, the combination of means for controlling the delivery of power from said source to said mechanism, means for moving said part against the work piece, and a low potential circuit capable of being completed through the work piece and said part following actuation of the last named means and operable when thus completed to cause the first named means to deliver power to said mechanism.

2,387,479 APPARATUS FOR THE FRACTIONAL CONDENSATION OF MIXED VAPORS

Floyd Todd, Drexel Hill, Pa.
Application July 26, 1943, Serial No. 496,172
4 Claims. (Cl. 219-19)

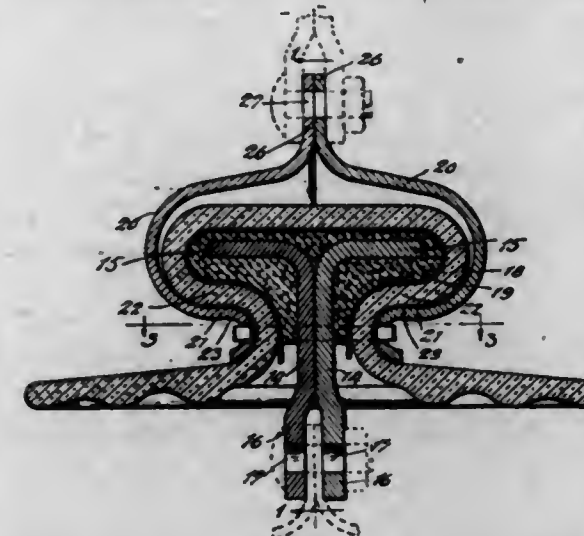


4. In combination with a fractionating column having separate heating units for the end portions thereof, said heating units overlapping each other at the middle portion of the column so that the heat developed per unit of area in the middle portion will be greater than that developed by one of said heating units, and less than that developed by the other of said heating units, whereby a substantially uniform gradient of developed heat is maintained, and means to regulate the heat developed by one of said heating units, whereby the heat developed by said heating units per unit of area can be regulated to correspond substantially with the heat developed by the fractionating column as the boiling point of mixture to be fractionated increases.

2,387,480

SUSPENSION INSULATOR

Atlee H. Tracy, Sarasota, Fla.
Application March 27, 1944, Serial No. 528,213
14 Claims. (Cl. 174-182)



8. A suspension insulator comprising an insulating body having an enlarged recessed head with restricted neck and horizontal lower load-bearing wall portion, a depending strain-pin having an enlarged head in said recess, a flexible bag surrounding said pin head in said recess, a filling of hardenable plastic material introduced into said bag and filling the same around the pin head, said material when it hardens forming an enlarged head of said pin having a horizontal bearing portion over said horizontal wall portion

of the recess, said bag forming a lining between said horizontal bearing portions, a globular sustaining cap having means to suspend it from above, said cap being larger inside than said recessed head but surrounding same and having a lower horizontal load-sustaining portion beneath the horizontal portion of the recessed head to carry the load thereon, said cap being divided axially into separate parts to permit fitting the same over and around said head, means to secure said parts together around the head, said parts engaging each other edge to edge when so secured together to prevent them from being clamped upon and engaging the head except at said lower horizontal portion, and a lining between said last two horizontal portions, whereby the load on the insulator is carried through said horizontal portion of the head and the latter is in compression thereby.

2,387,481

BUTADIENE-STYRENE ELASTOMERS

John R. Vincent, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 11, 1944, Serial No. 530,551
2 Claims. (Cl. 260-36)

1. A method for improving the processing characteristics of butadiene-styrene interpolymers containing from 5% to 60% of styrene which comprises intimately incorporating in said interpolymers from 0.5% to 5.0%, based on the weight of the interpolymers, of o-sulfobenzic anhydride.

2,387,482

BOX

Joseph Hirsch Vineberg, Ottawa, Ontario, Canada
Application March 24, 1944, Serial No. 527,937
3 Claims. (Cl. 229-23)



1. A box composed of an inner member and an outer member, said inner member having a top section, side sections, end sections, flaps along the side edges of the end sections, and a handle formed from the material of said top section substantially in the center thereof, said outer member having a bottom section on which rest the bottom edges of the side sections of said inner member, side sections overlying the side sections of said inner member, two top sections each overlying more than half the width of the top section of said inner member, and openings in said two top sections through which said handle extends, the flaps of said end sections lying inside at least the side sections of said outer member when the box is closed, the sole connection between said members being constituted by the extension of said handle through the openings in said two top sections of the outer member.

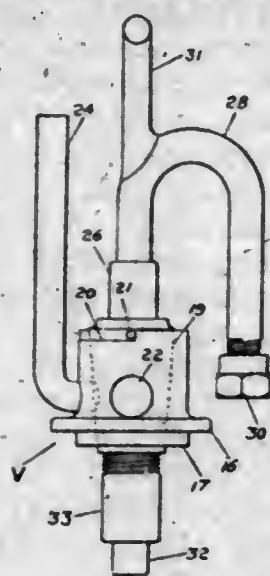
2,387,483

SIPHON VALVE UNIT FOR REFRIGERATORS

Charles H. Walbert, Oklahoma City, Okla.
Application October 13, 1943, Serial No. 506,104
6 Claims. (Cl. 137-69)

1. Automatic siphon draining means for a liquid receptacle having an outlet, a siphon tube having one end extending through said outlet and having its other end terminating within the receptacle adjacent to the bottom of the latter and a discharge conduit having one end at a pre-

determined elevation in the receptacle above the said other end of the siphon tube and having its

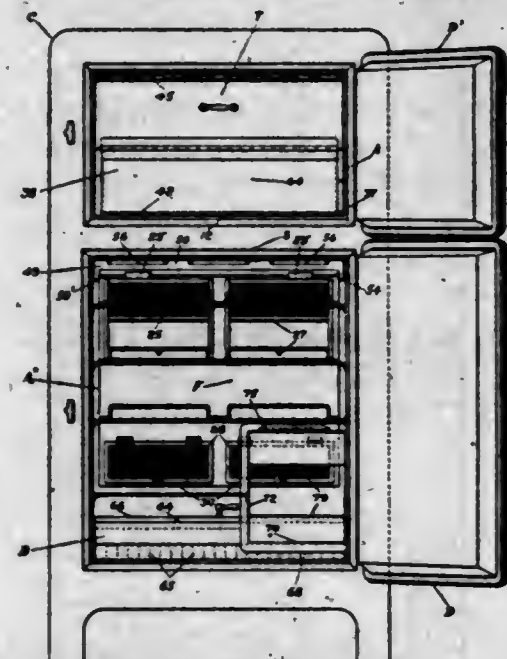


other end opening downwardly around the first mentioned end of the siphon tube.

2,387,484

REFRIGERATION UNIT

Charles H. Walbert, Oklahoma City, Okla.
Application October 13, 1943, Serial No. 506,105
17 Claims. (Cl. 62-55)



1. In a refrigeration structure of the character stated, comprising a cabinet providing a compartment the lower part of which forms a food chamber, a unit designed for installation in the compartment consisting of means disposed above the food chamber part for receiving ice, door means associated with the ice receiving means and facilitating the introduction of ice thereinto, an elongated flat vertically disposed hollow structure located in the food chamber and opening at its upper end into the ice receiving means and having its lower end closed against the escape of ice therefrom and spaced from the bottom of the food chamber and opening thereinto, means for receiving and carrying off ice water and condensate from the lower end of said structure and an air port leading from the lower end of such structure into the food chamber.

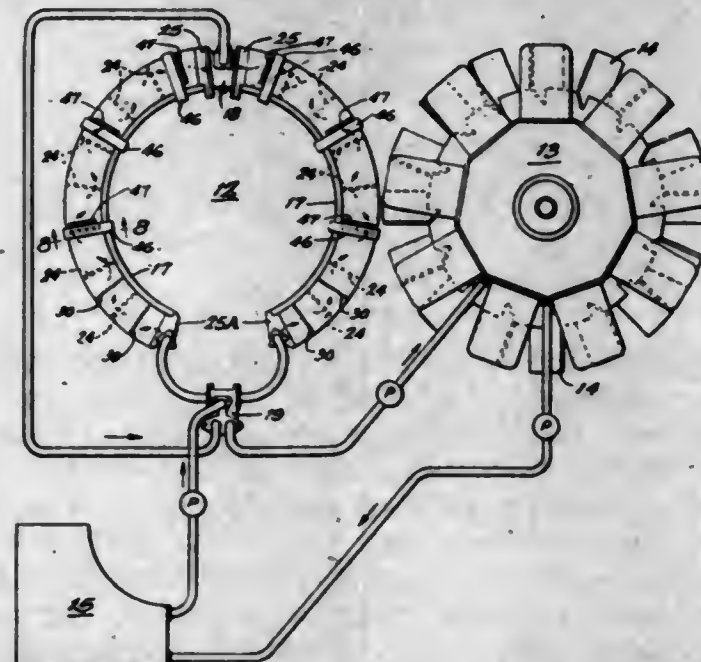
2,387,485

HEAT EXCHANGE UNIT FOR RADIAL TYPE ENGINES

Fred M. Young, Joe C. Shaw, and Howard F. Brinen, Racine, Wis., assignors to Young Radiator Company, a corporation of Wisconsin
Application August 28, 1943, Serial No. 500,330
1 Claim. (Cl. 257-2)

An annulus-type heat exchange unit comprising, two arcuate-shaped sections each formed of

a pair of concentrically-arranged plates held together in spaced relationship by radially-disposed baffles, bundles of closely-spaced, axially-disposed tubes inserted between said plates and said baffles and at their ends suitably bonded together and to said plates and baffles to form a sealed core surrounding said tubes extending the full circumferential length of said sections, said baffles having openings formed therein permitting communication between the cores of adjacent tube bundles, the openings in successive baffles being placed adjacent opposite plates whereby the flow of the coolant through said arcuate sections is radially crosswise as well as circumferential, a U-shaped member secured to the outer face of one of the said concentric plates of each of said sections and constituting an auxiliary chamber axially and circumferentially co-

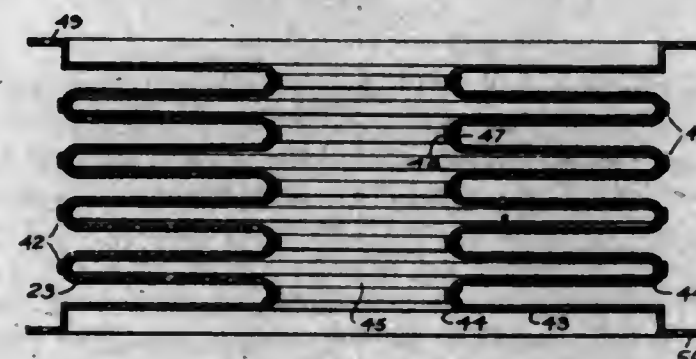


extensive with the sealed core part thereof, cap members interfitting with said plates and U-shaped members to close the opposite ends of each of the cores and auxiliary chambers formed thereby, each of said cap members having separate ports communicating respectively with the adjacent ends of said core and auxiliary chamber, a two-chamber coupling connecting two contiguous cap members with said chambers communicating respectively with the separate ports in said caps, a valve seat in the partition separating said coupling chambers, a thermostatically-actuated valve mechanism adapted to coact with said valve seat to control communication between said chambers so as to determine the path of the coolant through said core and auxiliary chamber, and coolant inlet means connected to the cap members at the opposite ends of said arcuate-shaped sections.

2,387,486

BELLOWS

Andrew Zellos, Ossining, N. Y.
Application August 15, 1944, Serial No. 549,596
2 Claims. (Cl. 137-156.5)



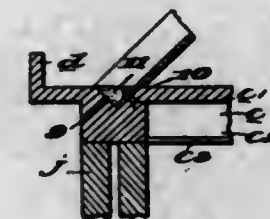
1. A bellows formed of wire mesh, each section formed of flat annular portions having

curved meeting flanges, curved metal rings overlapping said inner and outer meeting edges and welded thereto, and said wire mesh and rings coated with rubber.

2,387,487

CONSTRUCTION OF PITCHED ROOFS

Paul William Abeles, London, England
Application November 13, 1943, Serial No. 510,176
In Great Britain November 9, 1942
14 Claims. (Cl. 108-1)



1. A pitched roof construction comprising eave members, spaced tie members extending between and secured to opposite eave members, and a plurality of tile rafter members disposed one beside another, each such tile rafter extending from an eave member to the ridge of the roof and combining the functions of a tile and of a rafter, opposite tile rafters abutting at the ridge, the lower end of each tile rafter being secured and transmitting the thrust to an eave member, at least two tile rafters extending from the ridge to the eaves at each side between any two tie members, and the eave members acting as beams to take up the horizontal thrust between the tie members.

2,387,488

TRINITROTOLUENE

Marshall F. Acken, Woodbury, N. J., and Oscar E. Olsen, Washburn, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Original application May 29, 1941, Serial No. 395,710. Divided and this application June 18, 1942, Serial No. 447,498
2 Claims. (Cl. 260-645)

1. The process of refining trinitrotoluene which comprises treating the trinitrotoluene in crystal form with sodium sulfite solution to form a slurry, filtering said slurry to form a filter cake, washing said cake, introducing water with mechanical agitation to comminute the cake in place on the filter to form a water slurry, said slurry being capable of flowing through a conduit.

2,387,489

JOLLY BALANCE

Lothrop H. Bailey, Penn Township, Allegheny County, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application June 14, 1945, Serial No. 599,365
7 Claims. (Cl. 73-32)

3. A Jolly balance including a base, a vertically adjustable spring support carried by the base, a spring suspended from the support and a null indicator for the spring, the improvement which comprises a vertically disposed, rotatable, cylindrical chart carried by the base, said chart being provided with an index and calibrated to read in density values directly, and a reticule carried by the spring support and adjustable vertically

therewith to move along an element of the chart, said reticule being adapted to register with the

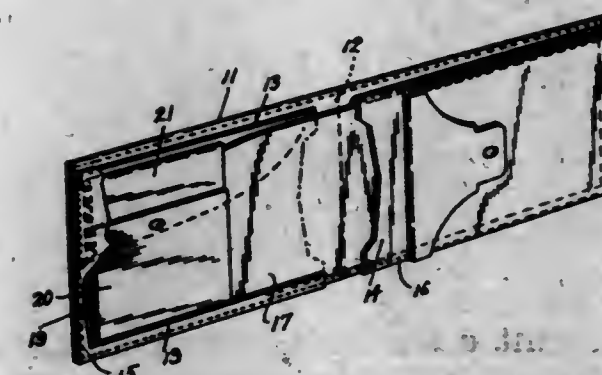


index on the chart when, with no load on the spring, the null indicator registers zero.

2,387,490

SECRET POCKET BILLFOLD

Milton Becker, Passaic, N. J.
Application April 3, 1944, Serial No. 529,340
2 Claims. (Cl. 150-36)

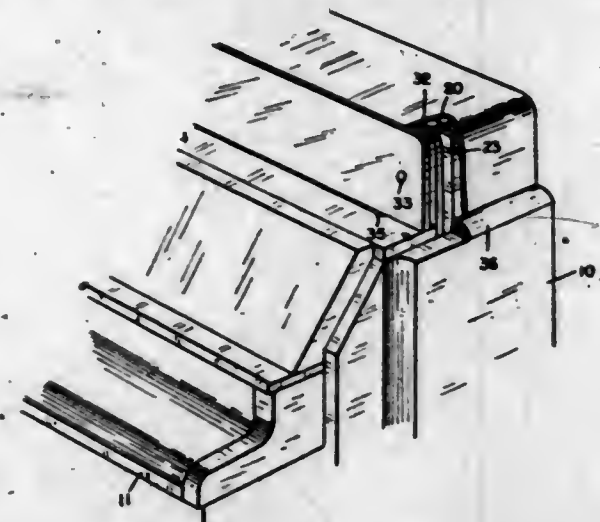


1. A billfold including an elongated body foldable on the line of its transverse center, inwardly opening pockets secured at their closed ends and at their lower side edges to the end and lower side edges of the body, and a stay strip extending lengthwise of the inner side of the body and having its ends inserted within the end pockets, in combination with a secret pocket carried on a housed end of the stay strip, said secret pocket comprising an elongated strip of a flexible material positioned crosswise of an end portion of the stay strip and adapted to have its oppositely projecting portions folded in overlapping relation upon said end portion, said end portion of the stay strip made of a lesser width than that of the remaining part thereof and shaped to have a substantially semi-elliptical contour, and the attached edge portion of the elongated strip being secured to the stay strip along the base line of said end portion thereof by a line of stitching.

2,387,491

PIANO CONSTRUCTION

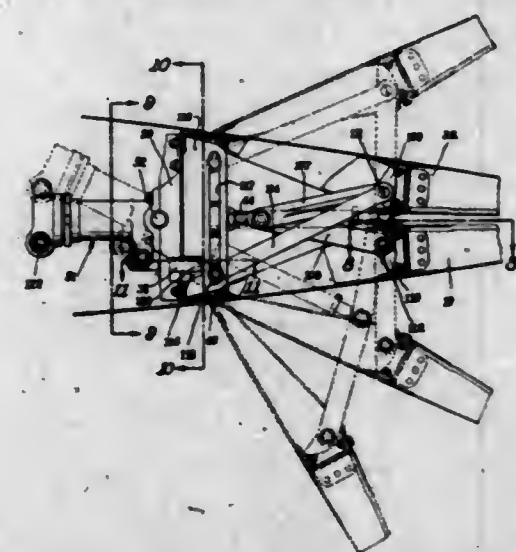
John W. Bethune, Wyandotte, Mich.
Application October 11, 1943, Serial No. 505,761
6 Claims. (Cl. 84-184)



1. In piano construction, a pin block, a pressure bar carried thereon and an auxiliary sounding board in contact with said bar.

2,387,492

HYDRAULICALLY OPERATED SPLIT FLAP
Raymond C. Blaylock, Bexley, and Peter Bukoff, Reynoldsburg, Ohio, assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application March 22, 1943, Serial No. 480,116
15 Claims. (Cl. 244-42)



1. In an airplane control mechanism, a stationary surface, split movable control surfaces connected to the stationary surface to open in opposite directions, power means for opening and closing said control surfaces simultaneously, said power means including toggle links connecting the two control surfaces, and means for locking one of the toggle links against movement to retain its control surface, and to cause movement of the links in such a manner as to effect opening of the opposite control surface only.

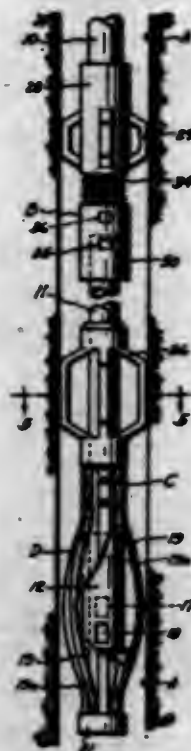
2,387,493

MEANS FOR CEMENTING WELLS

Charles A. Brokaw, Houston, Tex.
Application March 1, 1943, Serial No. 477,592
11 Claims. (Cl. 166-1)

1. A well cementing apparatus including, a tubular conductor adapted to be lowered into a well bore and having an outlet opening in its lower portion, a sleeve telescoping the lower portion of the conductor and having an opening therein adapted to register with the outlet opening to establish communication between the conductor and well bore when the sleeve moves downwardly relative to the conductor, a collar slidably

mounted on the conductor above said opening, an annular flexible separating element surrounding the conductor and having its upper end secured to the collar with its lower end open, said element having an inherent flexibility tending to urge the element radially outwardly toward the wall of the well bore, the sleeve having its lower end projecting from the conductor and having



means attached thereto for receiving and confining the lower end of the separating element when the sleeve is in a raised position closing the outlet port in the conductor, downward movement of the sleeve simultaneously opening the port and releasing the separating element, whereby cement may be introduced into the well bore below the element from said conductor.

2,387,494

PROCESSES FOR THE PROTECTION OF MAGNESIUM AND MAGNESIUM BASE ALLOYS AGAINST CORROSION

Charles James Bushrod, Prestwich, Manchester, England, assignor to Magnesium Elektron Limited, London, England, a company of Great Britain

No Drawing. Application April 26, 1943, Serial No. 484,602. In Great Britain May 28, 1942
2 Claims. (Cl. 148-6)

2. A process for improving the resistance to corrosion of magnesium and magnesium base alloys, which consists in subjecting the metal to a treatment with an aqueous solution of components which when first prepared consist of at least 10 parts of a substance selected from the group consisting of sodium bichromate and potassium bichromate and from 6 to 10 parts of concentrated nitric acid to 100 parts of water.

2,387,495

PRODUCTS AND PROCESS THEREFOR

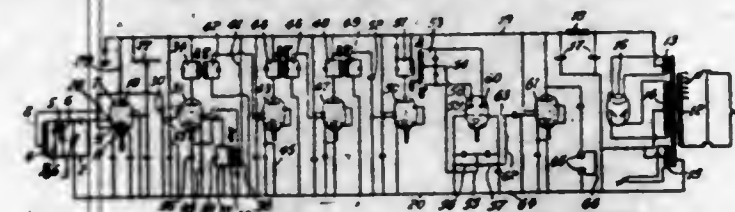
Donald Drake Coffman, Lindamere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 12, 1942, Serial No. 468,810
5 Claims. (Cl. 260-484)

1. A process for the preparation of acetals which comprises reacting acetylene with a monohydric alcohol ester of hydroxyacetic acid at 20-150° C. under anhydrous conditions in the presence of a mercury catalyst.

2,387,496

METHOD OF AND MEANS FOR MAKING FINE MEASUREMENTS

James Richard Cornelius, Coventry, England
Application March 21, 1944, Serial No. 527,508
In Great Britain September 22, 1943
6 Claims. (Cl. 177-351)

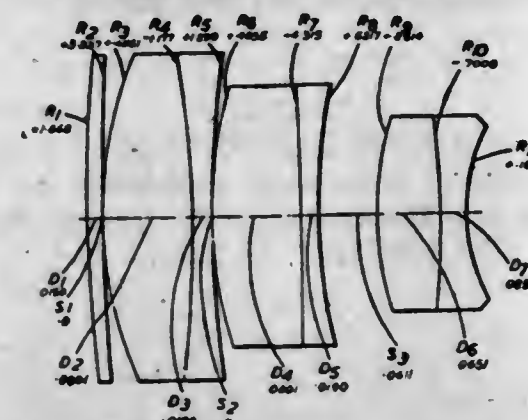


1. In a precision measuring indicator the combination of an oscillator generating a wave of fixed frequency, a second oscillator for generating a wave having a frequency normally differing from the frequency of said first oscillator by a predetermined difference frequency, means for combining said waves to produce a beat wave of said difference frequency, a distance measuring device including a movable element for varying the frequency of said second oscillator in accordance with the position of said element and being operative to vary said beat frequency above and below said normal difference frequency, a pair of tuned circuits, one tuned to a frequency higher than said normal difference frequency and the other to a frequency lower than said normal difference frequency, means for supplying said beat wave to said tuned circuits, means for rectifying the currents in said tuned circuits to produce direct current voltages, and an indicator circuit having said direct current voltages included therein in opposing relation.

2,387,497

OPTICAL OBJECTIVE

Arthur Cox, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain
Application June 12, 1944, Serial No. 539,872
In Great Britain May 3, 1943
27 Claims. (Cl. 88-57)



1. A telephoto objective, corrected for spherical and chromatic aberrations, coma, astigmatism and field curvature, and comprising a compound divergent member, and a convergent system which is disposed in front of the divergent member and consists of two compound convergent members and one simple member, the three axial air spaces separating the four members each being less than one-eighth of the equivalent focal length of the objective.

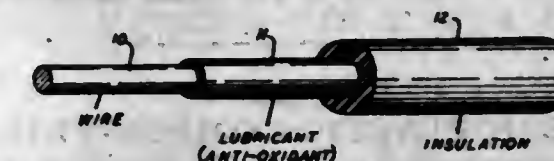
2,387,498

COATED ARTICLE

Thomas K. Cox, Randallstown, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 6, 1941, Serial No. 421,911
14 Claims. (Cl. 174-120)

1. The process of treating a metallic article, which comprises coating the article with a rubber

ber antioxidant selected from the group consisting of butyraldehyde-aniline condensation product, diphenylamine acetone reaction product, phenyl-alpha-naphthylamine and a mixture of



about 35% diphenyl-para-phenylene with about 65% phenyl-alpha-naphthylamine, applying thereover a covering of vulcanizable rubber insulating compound, and vulcanizing the vulcanizable compound.

2,387,499

STABILIZATION OF POLYISOBUTYLENE

William J. Daly, Brooklyn, N. Y., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana

No Drawing. Application June 19, 1943, Serial No. 491,565

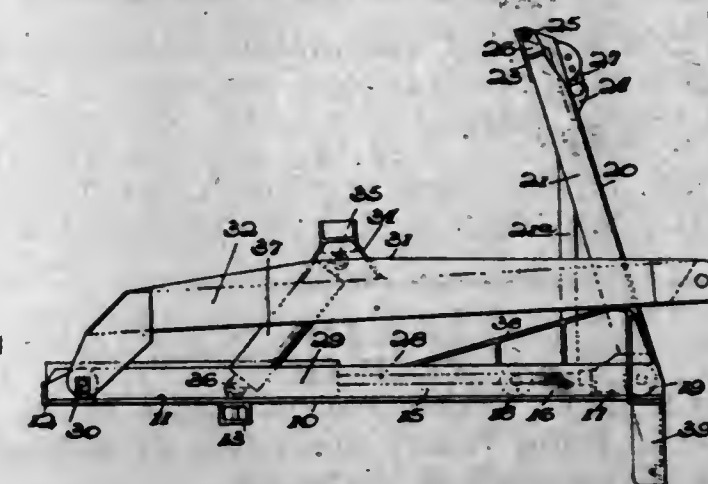
15 Claims. (Cl. 260-93)

1. In combination, an isobutylene-diolefin polymer characterized by a molecular weight within the range of 10,000 to 250,000, prepared from a major proportion of isobutylene and a minor proportion of a diolefin by a low temperature polymerization with a Friedel-Crafts catalyst within the temperature range below 0° C. to approximately -100° C., in combination with a molecular weight protective agent comprising para-hydroxy phenyl morpholine.

2,387,500

TRANSPORTING AND DUMPING EQUIPMENT

George R. Dempster, Knoxville, Tenn.
Application October 1, 1943, Serial No. 504,620
20 Claims. (Cl. 214-77)



1. In a transporting and dumping equipment adapted to be mounted on a truck chassis, the combination of a frame providing a plurality of tracks in side by side relationship, a plurality of carriages mounted on said tracks and movable forwardly and rearwardly thereon, each of said carriages being provided with a skidway, power mechanism individual to each carriage for selectively moving the carriages forwardly and rearwardly, and a power operated boom structure for selectively lifting containers into cooperative relationship with said skidways.

2,387,501

HYDROCARBON OIL

Melvin A. Dietrich, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 4, 1944, Serial No. 529,512

14 Claims. (Cl. 252-47.5)

1. A hydrocarbon oil having incorporated therein a small proportion, at least 0.01%, of an oil-soluble polymeric N-aliphatic acrylamide having a molecular weight of at least 1000 in which

the aliphatic group contains an open chain of at least 8 atoms of which not more than 2 are interrupting atoms of the class consisting of oxygen and sulfur and the rest are carbon atoms.

2,387,502

THERMOPLASTIC COMPOSITIONS

Paul M. Downey, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation

No Drawing. Application January 8, 1942, Serial No. 426,069

13 Claims. (Cl. 260-5)

13. A new plastic composition comprising an admixture of a rubber-like polymer selected from the group consisting of polymers of butadiene-1,3, polymers of 2-chlor butadiene-1,3, copolymers of butadiene-1,3 and styrene and copolymers of butadiene-1,3 and acrylic nitrile and a rubber-like vulcanizable oil resistant plastic obtained by heating a rubber with 60-200 parts by weight per 100 parts of the rubber of a crude aryl phosphine halide the halogen being attached to the phosphorus atom.

2,387,503

DISPLAY DEVICE

Eugene D. Ellis, Miami, Fla.

Application May 26, 1944, Serial No. 537,523

2 Claims. (Cl. 41-10)



1. A new article of manufacture comprising an elongated core of absorbent material, a flexible strand wound spirally about the core from end to end to produce a rope-like member, and fresh vegetation having stem portions thereof secured under the convolutions of said flexible strand.

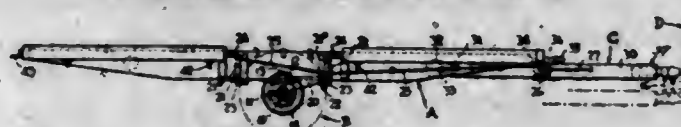
2,387,504

TRAILER

Warren H. Farr, Grosse Pointe Farms, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Michigan

Application April 25, 1944, Serial No. 532,574

3 Claims. (Cl. 280-33.4)



1. A roadway vehicle comprising in combination, a body, a supporting wheel therefor mounted to turn selectively about concentric and eccentric axes, the body being mounted on the eccentric axis, braking means for the wheel for retarding or stopping its rotation about its concentric axis, means for selectively holding or freeing the wheel for turning movement about its concentric axis, and means for selectively holding or freeing the wheel for movement about its eccentric axis, whereby upon applying tractive force to the vehicle while holding the wheel against turning movement about its concentric axis and freeing it for movement about its eccentric axis the body is raised or lowered, and while freeing the wheel for turning movement about its concentric axis and holding it against movement about its eccentric axis the vehicle is moved along on its wheel as a rotating support.

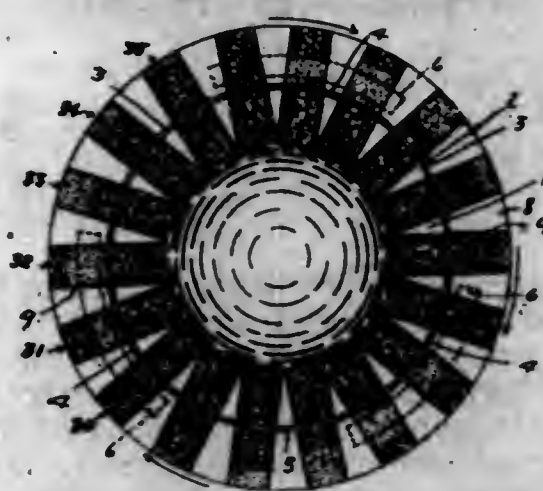
2,387,505

COMPRESSOR

William Felzer and Sam Weinberg, San Francisco, Calif.

Application February 5, 1944, Serial No. 521,210

5 Claims. (Cl. 230-108)



1. A compressor of the character described comprising a closed housing containing a body of liquid and a space for gas under pressure, an annular row of impeller blades immersed in said body of liquid and supported for revolving about the central axis of said row, means so supporting said row of blades, a plurality of spaced inlets for admitting liquid in said housing to the blades of said row at spaced points for propulsion by said blades upon such revolution of said blades, means obstructing the admission of such liquid to said blades between said spaced points, means for admitting gas to said blades between said spaced points only, and said impeller blades being exposed to discharging liquid admitted thereto into said housing at all points during revolution of said blades about said axis, a plurality of deflector vanes positioned in the path of the liquid adapted to be discharged by said impeller blades for converting the velocity of the discharged liquid into pressure head, one of the ends of each of said vanes being closely adjacent said blades and said vanes extending from said ends progressively increased distances outwardly of said blades in the direction of travel of the latter.

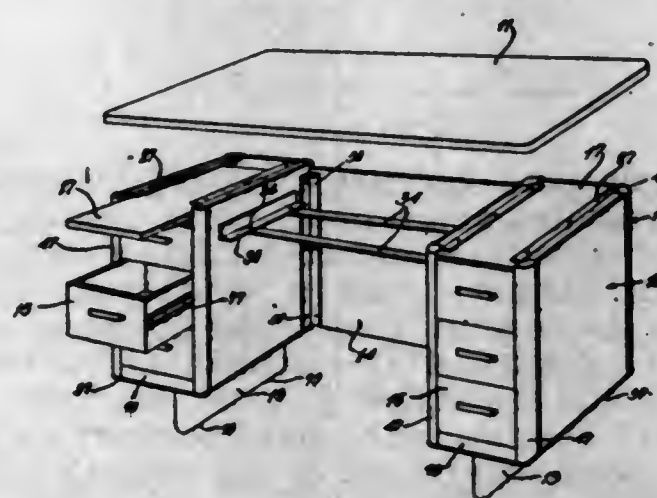
2,387,506

DESK FURNITURE

Roland J. Freeman, Baldwin, N. Y.

Application September 2, 1943, Serial No. 500,898

11 Claims. (Cl. 45-6)



7. An office desk of the class described comprising a panelled pedestal, said pedestal including a load-bearing frame fabricated entirely of steel bars, said pedestal frame including arm-slide guides and drawer runners for bracing the frame lengthwise, end plates welded to the arm-slide guides and drawer runners corner bracing the frame, cross braces welded between the end plates, a plurality of U-shaped channelled steel supports disposed between the end plates and pass-

ing around and beneath the arm-slide guides and drawer runners, said arm-slide guides and drawer runners being welded to said U-shaped supports so that the entire load of the pedestal and its contents is carried by the U-shaped supports, and corners composed of plastic material detachably attached to the end plates to insulate the corners of the desk and protect the user from low temperature and electric shock.

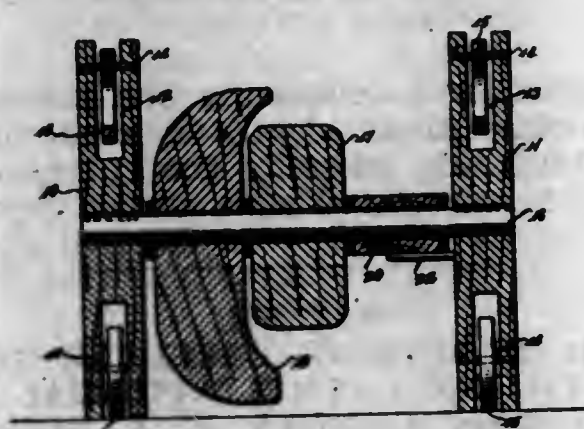
2,387,507

TRUNDLE TOY

Paul A. Fuld, Glen Burnie, Md.

Application March 30, 1945, Serial No. 585,624

4 Claims. (Cl. 46-114)



1. A trundle toy comprising, in combination: a trundle wheel; a pin carried by said wheel adjacent its periphery and extending parallel with the axis of rotation of the wheel; an annular ring member loosely supported on said pin, the radial thickness thereof being less than the spacing of its pin support from the tread of the wheel; whereby the ring may be thrown to positions radially outward of the tread of the wheel by centrifugal force and to a position radially inward of the tread by contact with the ground; and means to retain the ring on its supporting pin.

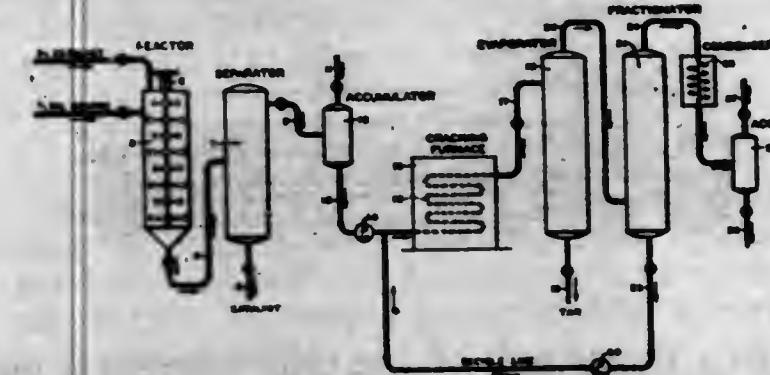
2,387,508

CONVERSION OF HYDROCARBON OILS

Arthur E. Goldsby, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application September 2, 1942, Serial No. 456,974

5 Claims. (Cl. 196-50)



3. The process which comprises subjecting a normally liquid saturated naphtha hydrocarbon in the substantial absence of unsaturated hydrocarbons to the action of an aluminum halide isomerization catalyst in the presence of a small amount of hydrogen halide at an elevated temperature up to about 275° F. such that substantial isomerization to normally liquid naphtha hydrocarbons occurs without substantial formation of hydrocarbons having either an increased or a decreased number of carbon atoms per molecule and separately subjecting the resulting isomerized product to reforming by contact with solid adsorptive cracking catalyst at a temperature in the range 800 to 1000° F. whereby substantial conversion to isomerized hydrocarbons occurs.

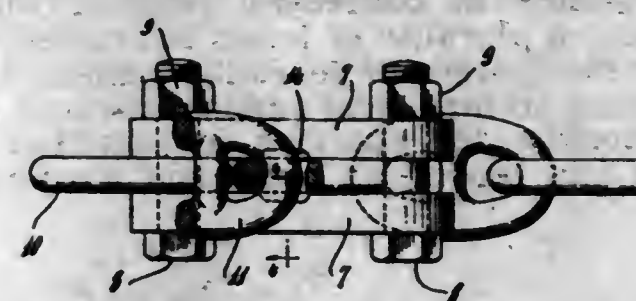
2,387,509

CHAIN CLAMP

Frederic R. Harris, New York, N. Y.

Application January 10, 1944, Serial No. 517,742

2 Claims. (Cl. 24-116)



1. A chain splicing clamp comprising a pair of members disposed side by side, a bolt and nut at one end of said members to attach the latter to a chain link with one end of said link between said members, and a bolt and nut at the opposite ends of the latter to hold them together, embracing the mid-portion of another link between them, said other link being in the same plane as the first-named link, said members having recesses on their inner faces to receive and about an additional link united to said other and disconnected from the first-named link.

2,387,510

UNIFIED PROCESS FOR TREATING WOOL
Wallace Paul Heintz, Belmont, and Walter Hardie Zillesen, Boston, Mass., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 6, 1944,

Serial No. 539,035

8 Claims. (Cl. 28-74)

1. A unified process for converting loose wool into a finished fabric, which comprises the steps of impregnating the loose wool with a substantially neutral and soap-free composite reagent consisting predominantly of saturated petroleum hydrocarbons having not less than 16 carbon atoms per molecule and the sulfonates of saturated petroleum hydrocarbons having not less than 16 carbon atoms per molecule, said sulfonates being present in sufficient quantity to render the whole dispersible in water while the said unsulfonated hydrocarbons are present in quantity sufficient to impart to the mixture lubricating qualities; subjecting the loose wool to carding, spinning and formation into fabric; adding water to the fabric, and fulling the same under substantially neutral conditions in the absence of soap; and finally scouring the fulling fabric with water which is free of soap and alkali to remove the composite reagent.

2,387,511

COLLET CHUCK

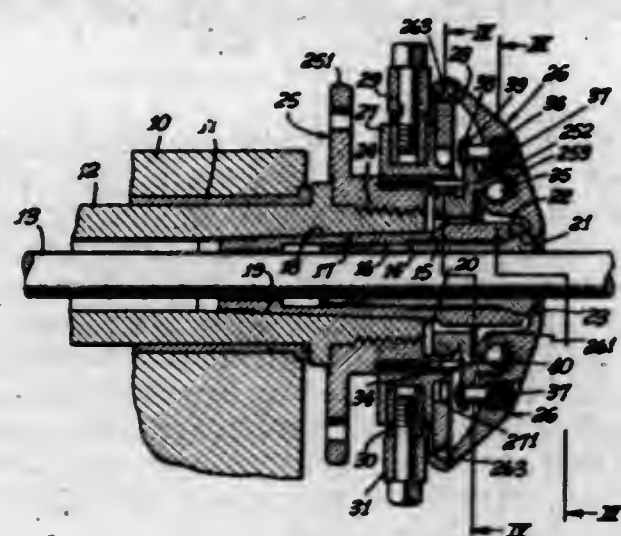
Wesley C. Henry, Burbank, and Allen B. Maxam, Glendale, Calif.

Application October 19, 1943, Serial No. 506,800

6 Claims. (Cl. 279-51)

1. In a chuck of the type described for use with a hollow rotating drive spindle; a radially expandable and contractable sleeve member for releasably gripping a workpiece; a cooperating tapered actuating member in concentric relation with said sleeve member for varying the diameter thereof to cause it to engage the workpiece in response to relative longitudinal movement between said members, one of said members being adapted to be fixed to said drive spindle and the other member having a shoulder thereon for receiving a longitudinal thrust to

move it longitudinally with respect to said one member and cause said sleeve member to engage the workpiece; and means for applying thrust to said shoulder, said means comprising: a hollow carrier adapted to be secured to said drive spindle in concentric relation with said members; a plurality of levers fulcrumed on said carrier for movement in radial planes, each lever having an inner end adapted to move against said shoulder for applying longitudinal thrust thereto and having an outer end movable with

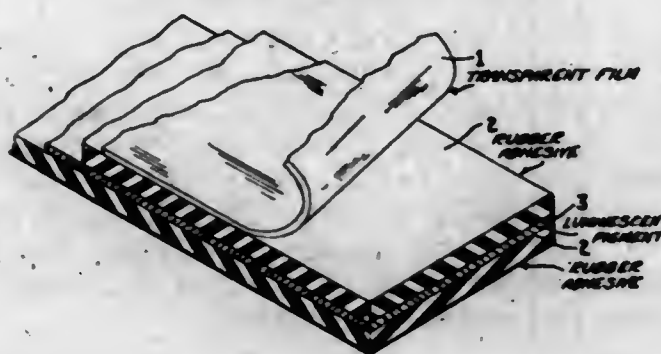


a substantial radial component; an actuating collar longitudinally slidable on said carrier and means for shifting it longitudinally in either direction; and a plurality of toggle links, one for each of said levers, each toggle link being pivotally connected to said actuating collar at its inner end and pivotally connected to the associated lever at its outer end and being movable into substantially radially extending position in response to actuation of said collar in direction to engage said sleeve member with the workpiece.

2,387,512

LUMINESCENT ADHESIVE TAPE

Frank C. Hilberg, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 10, 1942, Serial No. 430,263
3 Claims. (Cl. 250-71)



1. A phosphorescent tape comprising a transparent base having on one side thereof a thin, substantially transparent layer of rubber, a layer of luminescent pigment and another layer of rubber adhesive superposed over said pigment layer.

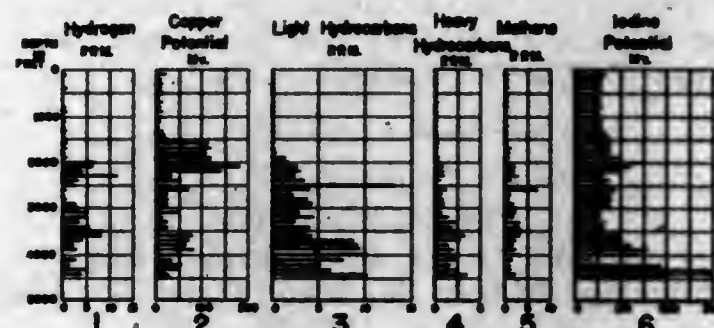
2,387,513

WELL LOGGING

Claude R. Hocott, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 3, 1941, Serial No. 406,008
9 Claims. (Cl. 204-1)

5. A method for logging wells drilled for oil which comprises collecting samples of the formation traversed at successive depths during the drilling operation, incorporating a measured

amount of each sample into a half cell the potential of which is sensitive to the addition of a minute amount of a reducing component thereto, there being a separate identical half cell for



each sample, and comparing the potentials of the half cells so modified with their potentials before modification, whereby the comparisons so made can be correlated with sample depths.

2,387,514

METHOD OF MAKING CELLULAR ASPHALTIC INSULATION MATERIAL

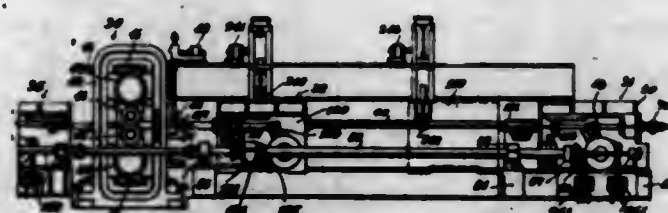
August Holmes, Cranford, N. J., assignor, by mesne assignments, to Standard Catalytic Company, a corporation of Delaware
No Drawing. Application May 9, 1941, Serial No. 392,822
11 Claims. (Cl. 106-122)

1. The method of preparing cellular asphaltic insulation material which comprises mixing powdered hard asphalt with a leavening agent comprising ammonium carbonate, molding the mixture and subjecting the molded mixture to a temperature at approximately the charring temperature.

2,387,515

REDUCING MILL

Heber C. Inslee, East Orange, N. J., assignor, by mesne assignments, to Rockrite Processes, Inc., Stamford, Conn., a corporation of Delaware
Application May 13, 1942, Serial No. 442,769
60 Claims. (Cl. 80-14)

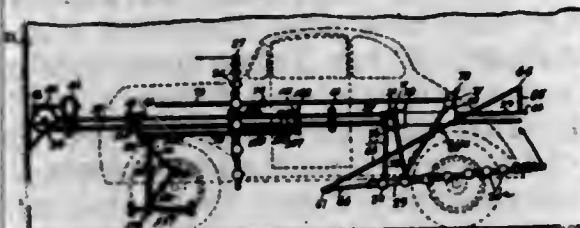


1. In a Pilger mill of the type wherein a pair of gapped die rolls mounted to rotate continuously in one direction about fixed axes work on successive portions of a reciprocating workpiece on successive reciprocations, the improvement which consists in providing workpiece-reciprocating means mechanically geared with and positively timed with the rolls and mechanically connected with a workpiece-gripping member and constructed and arranged to accelerate the movement of the workpiece from its position of rest at the beginning of each working stroke to approximately the pitch-line speed of the die portion of the rolls before working engagement between the workpiece and the rolls occurs, and positively-operated step-by-step feeding means whereby the workpiece is given an increment of feed during each return stroke.

2,387,516

RADIANT HEATING APPARATUS

John Kaminski, Altadena, Calif.
Application April 14, 1942, Serial No. 438,880
12 Claims. (Cl. 219-34)



3. Apparatus for applying radiant energy to the surface of an object such as an automobile, said apparatus comprising: a device for emanating radiant energy extending approximately transversely across said object, a track extending alongside of and parallel to said object, carriage means on said track, means for moving said carriage along said track, means pivotally mounted on said carriage for supporting said device for movement in a curved path over an end portion of said object, and means for swinging said device on its carriage simultaneously with movement of said carriage along said track.

2,387,517

PROCESS FOR COPOLYMERIZATION

Charles A. Kraus, Providence, R. I., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application November 8, 1940, Serial No. 364,845
11 Claims. (Cl. 260-93)

1. The method of forming a copolymer by the copolymerization of a compound of the formula



where R is an aliphatic radical, with an unsaturated hydrocarbon which comprises contacting a mixture of the materials to be copolymerized in liquid phase, at a temperature below ordinary room temperature, with a compound having the formula



where M represents a member of the class consisting of aluminum, gallium and boron, X represents a halogen, R represents a monovalent hydrocarbon radical, m and n each represent an integer from 1 to 2, inclusive, and $m+n=3$.

2,387,518

STABILIZED POLYMER COMPOSITIONS

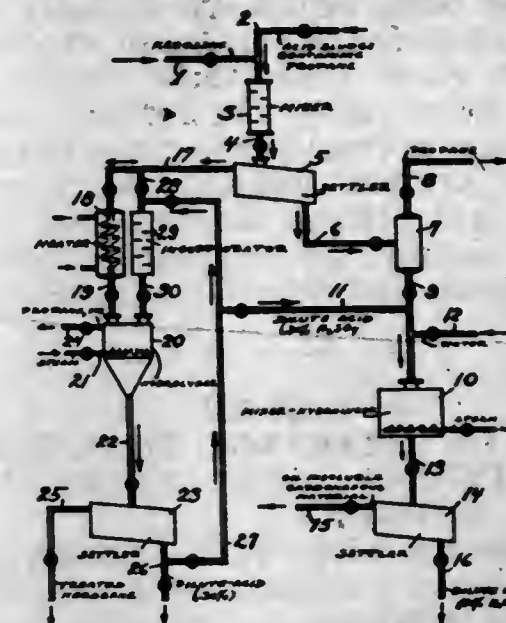
Irving E. Lightbown, Roselle, and William J. Sparks, Elizabeth, N. J., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application November 30, 1940, Serial No. 368,036
9 Claims. (Cl. 260-94)

1. A polymer composition of increased stability against breakdown by depolymerization, comprising a high molecular weight, substantially saturated, linear polymeric hydrocarbon normally resistant to oxidation but having a tendency to depolymerize at about and above 100° C. and about 0.01% to 5% of an organic stabilizing compound containing a thiocarboxyl function in which a carbon atom is directly linked to 2 atoms of a sulfur family element and also to an atom of a non-metallic element in group V of the periodic table of elements, one of said sulfur family atoms being linked to another atom of a sulfur family element.

2,387,519

RECOVERY OF SULPHURIC ACID FROM ACID SLUDGE

James G. Lillard, Baytown, and Reuben F. Menig, Goose Creek, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
Application July 22, 1942, Serial No. 451,872
8 Claims. (Cl. 23-173)

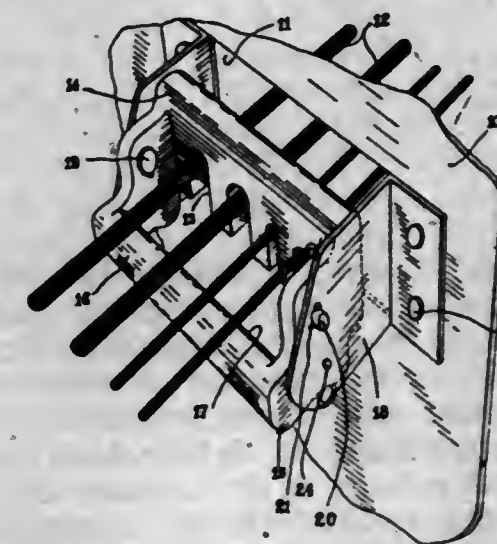


1. In the recovery of sulphuric acid by the hydrolysis of a sludge material obtained in the treatment with concentrated sulphuric acid of a petroleum residuum oil while dissolved in a liquefied normally gaseous saturated hydrocarbon, the improvement which comprises agitating the sludge material separated from the treated petroleum residuum oil dissolved in the liquefied normal gaseous saturated hydrocarbon with a petroleum oil having a gravity of between about 25° and 55° API, settling, causing a predominantly sludge phase to separate from a predominantly oil phase, treating said oil phase with water at a temperature of between about 155° F. and 210° F. to effect the hydrolysis of the acid material contained therein, settling, causing a predominantly aqueous phase to separate from a predominantly oil phase and adding said predominantly aqueous phase to the said predominantly sludge phase to effect hydrolysis thereof.

2,387,520

FAIR-LEADER

Tryon S. Lindabury, University City, Mo., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application April 12, 1943, Serial No. 482,828
13 Claims. (Cl. 254-190)



5. A guide for a plurality of cables with which fittings are to be associated, said guide including a member having spaced-apart guide portions which delimit an opening through which said cables extend and one of which is formed

with a plurality of open-ended slots which communicate with said opening, means for pivotally supporting said member in an angular position such that, without interfering with substantially free longitudinal movement of said cables, one of said slots accommodates one section of each of said cables while another of said guide portions is engageable with a different section of each of said cables to hold the latter in said slots, said member being adjustable to move said guide portions, including the portion in which said slots are formed, away from those sections of said cable with which they are normally engageable toward a plane normal to the plane of said cables, whereby to provide suitable clearance for the passage of said fittings between said guide portions, and means for releasably securing said member in said first mentioned position.

2,387,521

METHOD OF MAKING THERMOPLASTIC COMPOSITIONS AND PRODUCTS OBTAINED THEREBY

George D. Martin, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application October 25, 1941,

Serial No. 416,588

28 Claims. (Cl. 260-768)

21. The method of making a modified product of the action of an organic phosphine halide on a rubber which comprises intimately mixing a rubber with an organic phosphine halide having at least one organic radical and at least one halogen atom directly attached to a trivalent phosphorus atom and effecting a modification of the product by having intimately incorporated in the mixture an aromatic polynuclear hydrocarbon at least in equal proportion of the weight of the rubber but not more than twice the weight of the rubber and heating the mixture in the presence of the modifying agent.

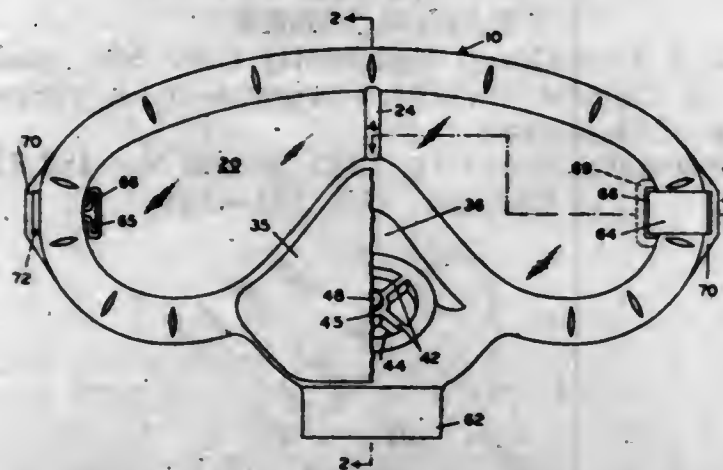
2,387,522

GOGGLE

Frank W. Maurer, Newton Highlands, Mass.

Application December 29, 1943, Serial No. 516,028

5 Claims. (Cl. 128-148)



1. A goggle of the character described comprising, in combination, lens means, frame means comprising rim means holding said lens means and resilient face-engaging means extending rearwardly from said rim means and cooperating with said lens means to define an eye chamber sealed from the nose of the wearer of said goggle, port means in said frame means communicating with the outside atmosphere, means defining a chamber enclosing the nose of said wearer and comprising means engaging the upper lip of said wearer to seal said nose chamber from the outside atmosphere and from said eye chamber while leaving exposed the mouth and

lower part of the face of said wearer, means securing said last named means to said frame means, conduit means providing communication between said eye chamber and said nose chamber, valve means cooperating with said conduit means to permit the passage of gas from said eye chamber into said nose chamber but preventing the passage of gas from said nose chamber into said eye chamber, and further valve means permitting the passage of gas from said nose chamber into the outside atmosphere but preventing the passage of gas from the outside atmosphere into said nose chamber.

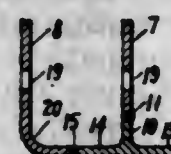
2,387,523

FIRE DOOR FRAME

George McCormick, Redwood City, and Ben M. Brown, Palo Alto, Calif.

Application October 11, 1943, Serial No. 505,890

2 Claims. (Cl. 122-499)



1. Fire door construction for a locomotive boiler having a front sheet and a rear sheet spaced to form a water leg, comprising an integral ring like door frame of substantially T shaped uniform cross section having an outwardly extending flange aligned with the rear boiler sheet and butt welded thereto, a second flange extending forwardly approximately at right angles to the first mentioned flange, said second flange being butt welded to the front boiler sheet, and a third flange extending rearwardly in substantial alignment with the second flange, the rear edge of said third flange forming a continuous seat for a door.

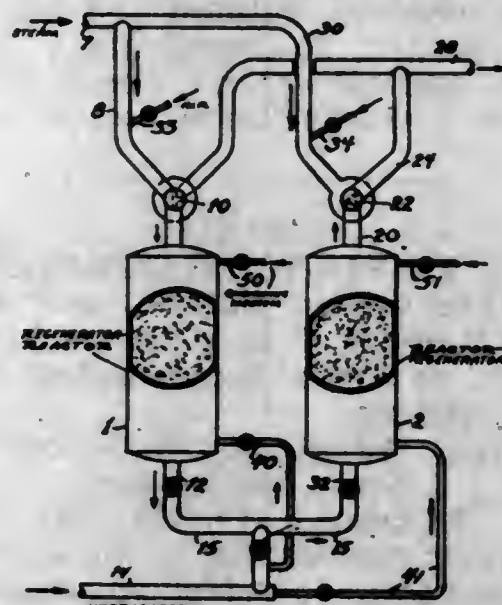
2,387,524

DEHYDROGENATION PROCESS

Richard N. Meinert, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application August 14, 1942, Serial No. 454,760

3 Claims. (Cl. 260-680)



1. The method of dehydrogenating hydrocarbons in a continuous operation which comprises providing a pair of reactors containing a dehydrogenation catalyst consisting essentially of a major proportion of magnesium oxide and a minor proportion of iron oxide, copper oxide, and potassium oxide, which catalyst is stable against deactivation by steam, preheating the hydrocarbons to be dehydrogenated to temperatures below active dehydrogenation temperatures, contacting the preheated hydrocarbons with

steam at a temperature from 1200-1500° F. in amount per volume of hydrocarbons sufficient to reduce the partial pressure of the hydrocarbons to about one-quarter to about one-tenth atmosphere and to reduce carbon formation during the course of the dehydrogenation, and in the presence of a catalyst for a relatively short period of time in the first of said pair of reactors, simultaneously regenerating fouled catalyst in the second of said reactors by means of super-heated steam in amounts sufficient to provide a regeneration gas containing large quantities of steam, withdrawing said regeneration gas from the catalyst undergoing regeneration in the last named reactor, and using the regeneration gas as a heating medium and diluent for the hydrocarbons discharged into the first of said reactors, to obtain the partial pressure relationship aforesaid.

2,387,525

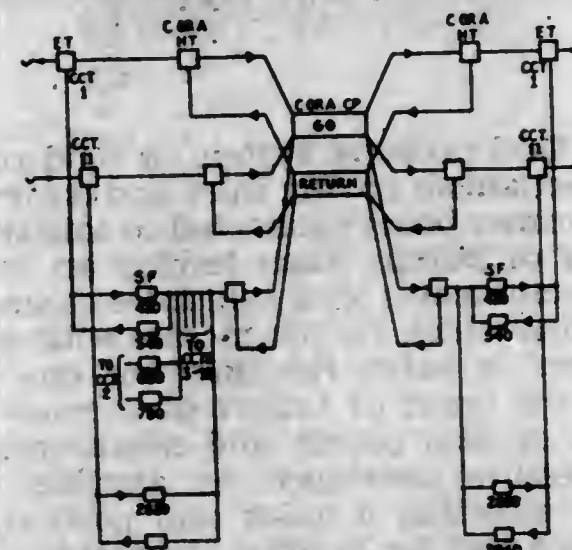
TELEPHONE OR LIKE SYSTEM

Lawrence John Murray, Liverpool, England, assignor to Automatic Telephone & Electric Company Limited, Liverpool, England, a British company

Application June 2, 1944, Serial No. 538,449

In Great Britain July 21, 1943

8 Claims. (Cl. 179-43)



1. A telephone system including in combination a transmission line, means for dividing said line into a plurality of speech channels and a single signalling channel, means for dividing said signalling channel into a number of sub-channels individual to each of said speech channels, means individually associated with each of said speech channels for transmitting a single signal of predetermined voice frequency and of predetermined length over one of the associated sub-channels to the outgoing end of said line to indicate the reply of the called party in a connection extended over the corresponding speech channel, first self-locking means at the outgoing end responsive to said signal, means for transmitting a single signal of predetermined voice frequency and of predetermined length over one of the associated sub-channels to the outgoing end of said line to indicate the clearing of the called party and second self-locking means at the outgoing end responsive to said signal to give a clearing indication.

2,387,526

AIRPLANE

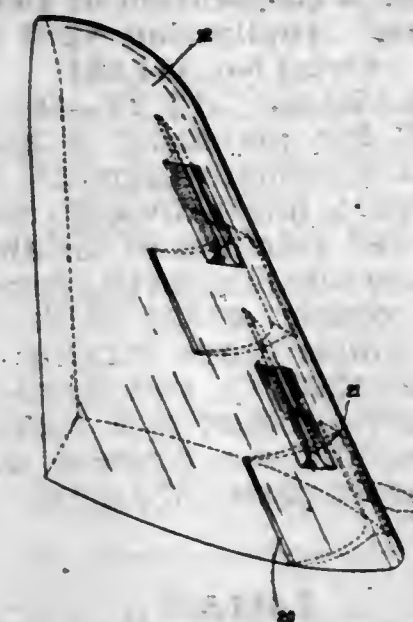
Henry T. Nagamatsu, Cheektowaga, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application May 19, 1943, Serial No. 487,835

5 Claims. (Cl. 244-40)

1. In an airplane, a fuselage having a tail section, a vertical stabilizer carried by said tail sec-

tion, a rudder hingedly connected to the trailing edge of said stabilizer, and a plurality of slots formed in said stabilizer adjacent the leading edge thereof and each extending between an entrance and an exit which are located at opposite sides of said leading edge; at least one of said slots having an entrance at one side of



said leading edge and at least one other of said slots having an entrance at the opposite side, said slots being inclined from their entrances to said exits generally in the direction of said rudder so that at least one of said slots will receive air and deliver it to the low-pressure side of said rudder regardless of the angular direction of yaw, whereby to counteract rudder lock.

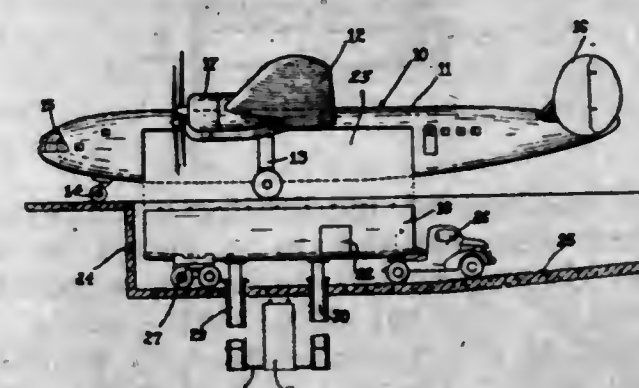
2,387,527

CARGO AIRPLANE

Henry T. Nagamatsu, Cheektowaga, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application May 19, 1943, Serial No. 487,836

4 Claims. (Cl. 244-118)



1. In a cargo airplane, a main fuselage section, a separable fuselage section constituting a cargo-carrying body, the exposed surfaces of said separable fuselage section in installed position presenting an unbroken contour continuous with the contour of said main fuselage section, side walls in said separable fuselage section having straight side terminal portions abutting said main fuselage section, said side terminal portions being substantially vertical and parallel to each other, side elements mounted on each of said side terminal portions for vertically slidable interengagement with complementary elements on said main fuselage section, bottom elements mounted on the bottom terminal portion of said separable fuselage section for abutting engagement with complementary elements on said main fuselage section, and locking elements mounted on the exposed top horizontal edges of said separable fuselage section for locking engagement with complementary elements on said main fuselage section.

2,387,528

BASIC ALKALINE EARTH CHROMITO-CHROMATE PIGMENT AND METHOD OF MAKING

Gordon Derby Patterson, Wilmington, Del., and Clifford Kanne Sloan, Thornton, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware.

No Drawing. Application April 28, 1943,

Serial No. 484,884

13 Claims. (Cl. 23-56)

1. A process for preparing a basic alkaline earth chromito-chromate pigment which comprises subjecting a finely-divided, intimate mixture of controlled amounts of an alkaline earth chromate and an alkaline earth compound which is heat-decomposable to the oxide, to roasting treatment at temperatures ranging from about 700° C. to about 1200° C., and disintegrating the resulting reaction product to a pigment particle size state of sub-division whereby at least 95% of the final product passes 325 mesh.

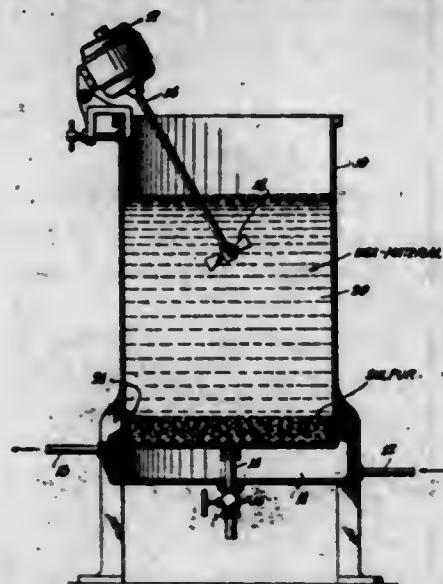
2,387,529

MODIFICATION OF MINERAL WAX-TYPE COMPOSITIONS

David E. Pearsall, Avon, Conn., assignor to The Ensign-Bickford Company, Simsbury, Conn., a corporation of Connecticut

Application February 8, 1943, Serial No. 475,183

6 Claims. (Cl. 106-230)



1. The method of modifying a mineral wax, comprising maintaining in a vessel in molten condition a composition including a substantial proportion of mineral wax, maintaining in the same vessel as the molten wax a subjacent layer of molten sulfur, the amount of sulfur being at least 5% of that of the wax material of the upper layer, supplying heat to the molten materials within the vessel to maintain the sulfur layer at a temperature below 300° F. and maintaining a decreasing temperature gradient in the vessel from the bottom sulfur layer to the upper wax layer, continuously heating the molten materials until the upper layer thereof is super-saturated with sulfur, and thereafter rapidly cooling the material of the upper layer to produce a light colored product.

2,387,530

POLYMER TREATMENT

William W. Prichard, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 16, 1942,

Serial No. 439,281

7 Claims. (Cl. 260-75)

1. Process for modifying the properties of linear, active hydrogen containing macromolec-

ular polymers containing recurring intralinear carbonamide and carboxylic acid ester groups which comprises reacting the same at a temperature in the range of 20° C. to 250° C. but below the degradation temperature of the polyesteramide with the cyclic anhydride of an organic dicarboxylic acid having an acyclic chain of at least four atoms between the carboxyl groups.

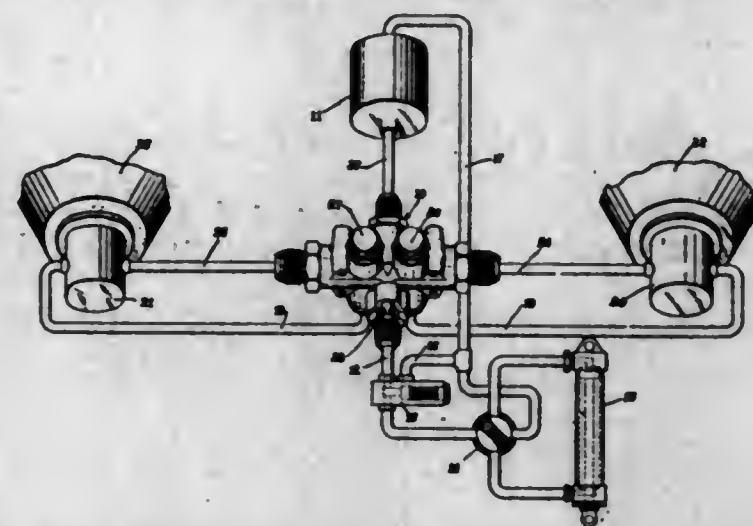
2,387,531

AUTOMATIC PUMP SELECTOR VALVE

Howard Edwards Rose, Normandy, Mo., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application March 22, 1943, Serial No. 480,104

11 Claims. (Cl. 103-40)



1. In a fluid pressure system, a fluid reservoir, a valve mechanism having inlet and outlet chambers, the former being connected to said reservoir, a plurality of pumps, each having an inlet line which communicates with said inlet chamber and an outlet line which communicates with said outlet chamber, a valve for isolating one of said pumps in the event of failure of pressure in the outlet line of said pump, and means responsive to the pressure developed by another of said pumps for effecting a quick and positive action of said valve and for holding the latter closed.

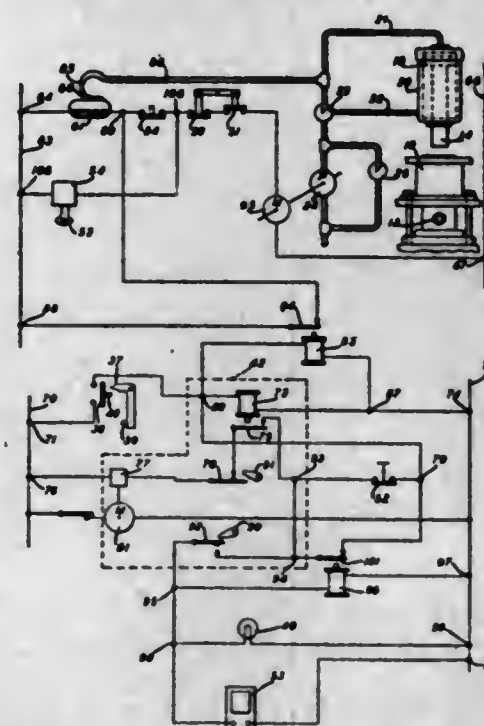
2,387,532

MACHINE CONTROL

Everett M. Schenk, New Providence, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application March 13, 1942, Serial No. 434,559

3 Claims. (Cl. 207-2)



1. An extrusion press including a cylinder to receive material to be extruded, which material

has been heated to a molten state, an extrusion nozzle for the cylinder and through which the material may be extruded, a ram-receivable in the cylinder, a fluid pump, a fluid connection between said pump and cylinder for creating relative movement between said ram and said cylinder, a motor for operating said pump, and a control for said motor comprising, a first means receiving fluid from said pump and actuable under a predetermined pressure thereof for stopping said motor and therefore said pump and ram after a predetermined movement of said ram has created a predetermined pressure on said molten material, a timing mechanism, a second means constructed to be automatically actuated prior to the stopping of said motor for starting the timing mechanism, and means actuated by said timing mechanism after a predetermined time lapse sufficient for said material to attain an extrusion state, for starting said motor for operating the pump to again cause relative movement of the ram and cylinder under such pressure as to extrude the material through the nozzle.

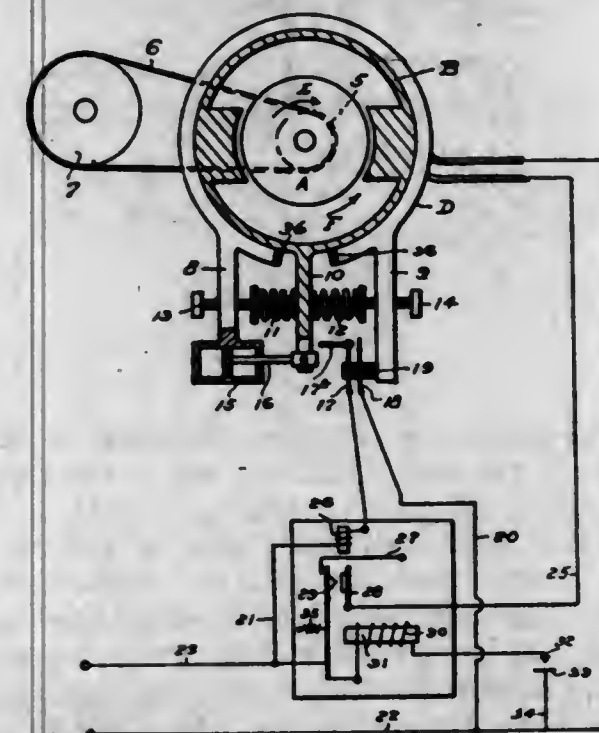
2,387,533

TORQUE CONTROLLED ELECTRIC MOTOR

Earl T. Schmucker, Rapid City, S. Dak.

Application September 11, 1944, Serial No. 553,589

5 Claims. (Cl. 172-36)



1. An electric motor comprising a rotor, a stator and a case, means for mounting said stator for limited oscillation in the case, a leg projecting from the case, a leg projecting from the stator, an adjustable means carried by the leg of the case and movable toward and from the leg of the stator and a spring disposed between said adjustable means and the leg of the stator.

2,387,534

PRODUCTION OF IMPROVED TITANIUM PIGMENTS

George Reel Seidel, Baltimore, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 10, 1941,

Serial No. 392,941

10 Claims. (Cl. 106-300)

3. A process for producing an improved finished titanium pigment which comprises treating said pigment, after calcination and while in aqueous suspension, with at least two soluble compounds of amphoteric metals, one of which is tetravalent and from the fourth group of the

periodic table with an atomic number of at least 22, and another of which is in the trivalent condition, maintaining the pH of the resulting mixture such that a reaction product of said compounds is precipitated upon and becomes intimately associated with said pigment, and then recovering the treated pigment which results.

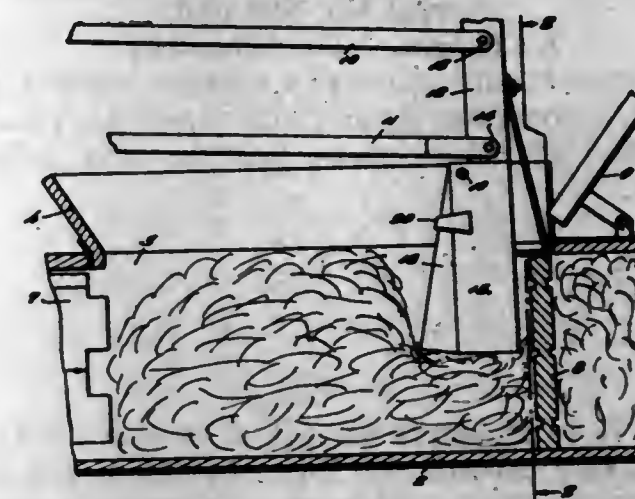
2,387,535

FEEDER HEAD FOR HAY BALERS

Samuel D. Sewell, Wanette, Okla.

Application June 7, 1944, Serial No. 539,072

1 Claim. (Cl. 100-25)



A feeder head for hay balers comprising an elongated substantially rectangular main section of channel form to provide an open side therefor, a second channel section of substantially the same length as the main section and fitting in the open side of the main section with the channel facing said open side, said second section being pivoted at one end in one end of the main section to swing into and out of the main section, and means interposed between said sections for yieldingly opposing swinging of said second section into the main section, the other ends of said sections forming tamping edges for pressing down hay in a baler, and a pair of tamping bars each fixed at one end to one of said sections at said other ends thereof and extending side by side transversely of the sections to supplement said tamping edges.

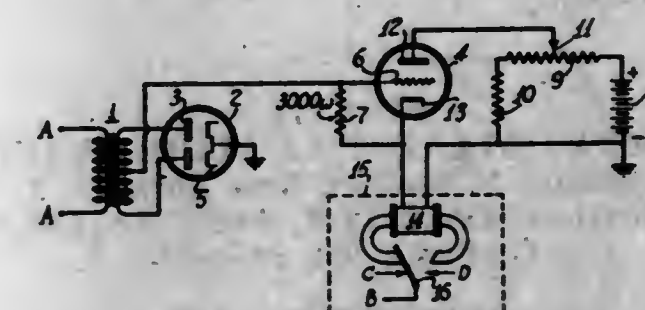
2,387,536

RELAY CONTROL CIRCUIT

William E. Simpson, South Ozone Park, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application September 28, 1942, Serial No. 459,953

6 Claims. (Cl. 175-320)



1. The method of reversibly actuating an electrically responsive device by direct currents of opposite polarity, one of said currents being derived from a constantly present source and the second of said currents being a rectification product which exists only in the presence of a signal potential, said method comprising the steps of causing a current from said source to traverse said device in series with the path of an electron discharge, causing the second current when it exists to traverse said device in series with an

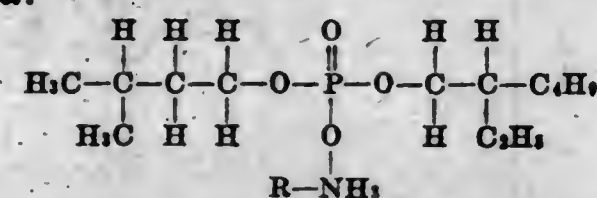
impedance path, and causing said electron discharge to be blocked by a cut-off bias which results from the potential drop across said impedance during the existence of the second current.

2,387,537
FATTY AMINE SALTS OF ALKYL PHOSPHORIC ACIDS

Herschel G. Smith, Wallingford, and Troy L. Cantrell, Lansdowne, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application March 19, 1945, Serial No. 583,850
9 Claims. (Cl. 260-461)

1. As new compositions of matter, useful as rust preventive compounds and for other purposes, the oil-soluble addition salts having the following formula:



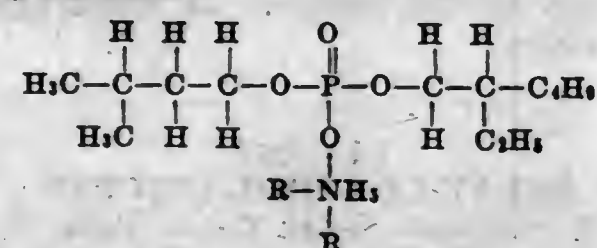
wherein R represents an alkyl group containing 8 to 18 carbon atoms, said amine salt being a substantially neutral compound soluble in mineral oils and miscible with hydrocarbons.

2,387,538
DI-CYCLOHEXYL AMINE SALT OF ALKYL PHOSPHORIC ACID

Herschel G. Smith, Wallingford, and Troy L. Cantrell, Lansdowne, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

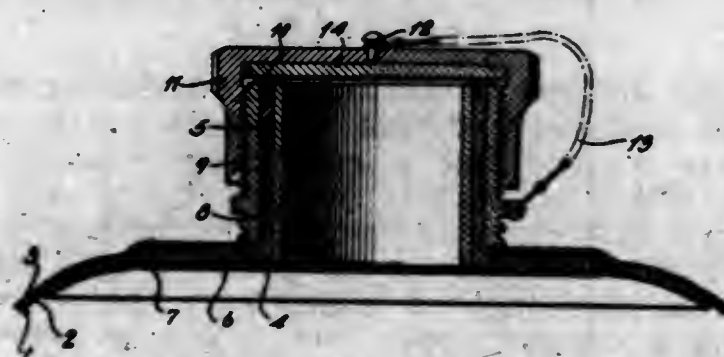
No Drawing. Application March 19, 1945, Serial No. 583,851
5 Claims. (Cl. 260-461)

1. As a new composition of matter, useful as rust preventive compounds and for other purposes, the oil-soluble addition salt having the following formula:



wherein R represents a cyclohexyl group, said amine salt being a substantially neutral compound soluble in mineral oils and miscible with hydrocarbons.

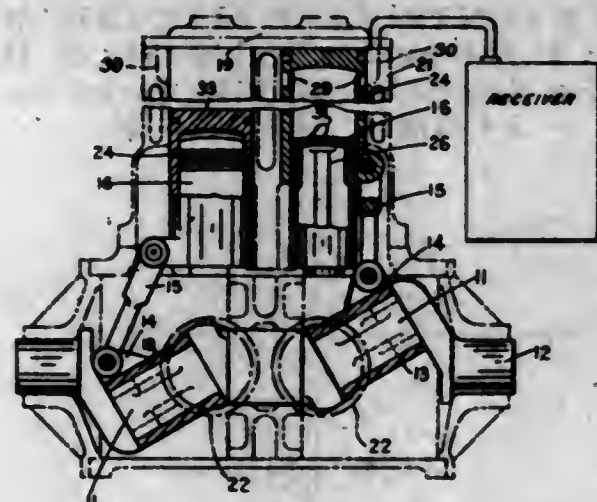
2,387,539
FLEXIBLE COLLAPSIBLE FLUID BLADDER
Abraham N. Spanel, New York, N. Y.
Application May 7, 1943, Serial No. 486,031
6 Claims. (Cl. 285-38)



1. In a bladder, the combination of a hollow body having a flexible thermoplastic resinous side

wall, a flexible filling nipple having a tubular portion and an integral flexible skirt having a first annular surface area of thermo-active material surrounding said tubular portion and fused to a corresponding annular area of said thermoplastic side wall to provide a first seal, a second flexible skirt integral with said tubular portion and providing a second annular surface area of thermo-active material surrounding said tubular portion and fused to a corresponding annular area of said side wall to provide a second seal, a relatively rigid sleeve secured interiorly of said flexible tubular portion, and a relatively rigid sleeve secured exteriorly of said flexible tubular portion, one of said sleeves being in fluid sealing engagement with said filling nipple and providing means for attaching a closure to said filling means.

2,387,540
FLUID-PRESSURE ENGINE
Frank Edward Swain, Ewell, England
Application October 8, 1943, Serial No. 505,543
In Great Britain November 11, 1942
7 Claims. (Cl. 123-50)



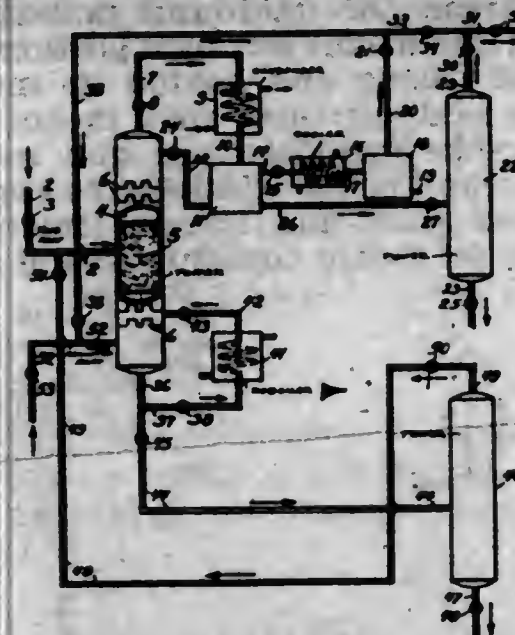
2. A fluid-pressure engine having a Z-type crankshaft, a ported cylinder with its axis extending radially of the crankshaft axis, a piston coacting with said cylinder, and a sleeve journalled on the inclined pin of the crankshaft, one of said coacting members being connected to said sleeve so as to be reciprocated with respect to the other coacting member on the rotation of the crankshaft, the axes of the reciprocating member, of the crankshaft and of the inclined pin thereof, all meeting at one point.

2,387,541
PROCESS FOR CARRYING OUT ISOMERIZATION REACTIONS

William J. Sweeney, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application January 1, 1942, Serial No. 425,260
21 Claims. (Cl. 260-683.5)

1. A process which comprises contacting a normal paraffin containing at least four carbon atoms per molecule with an aluminum halide catalyst mass arranged in the form of a bed of solid catalyst under conditions of temperature and pressure such as to effect a simultaneous isomerization and distillation of isomerized products from the catalyst bed under the isomerization conditions obtained, while separately and independently removing both high boiling and low boiling degradation products from the catalyst mass substantially as formed and supplying heat for distillation and isomerization to reactants condensing and flowing from the catalyst

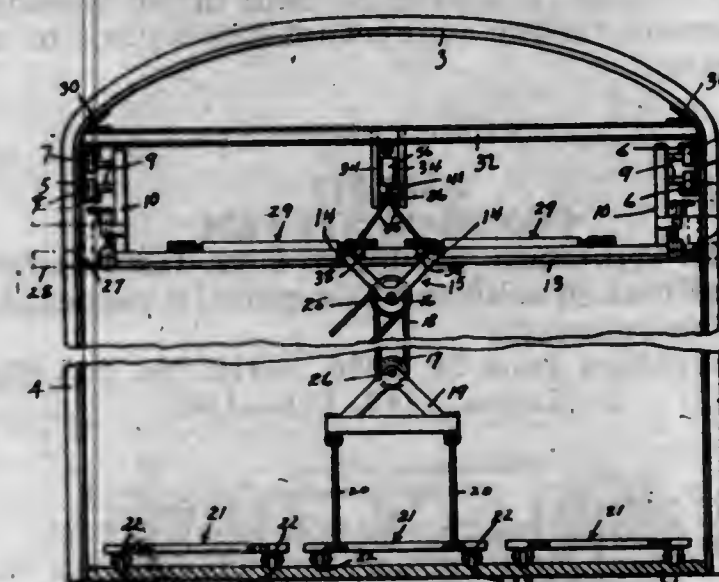
mass by reheating at least a portion of the high boiling products at a point removed from the



catalyst mass and recycling said reheated portion.

2,387,542
FREIGHT HANDLING APPARATUS ON VEHICLES

Morris P. Taylor, Stanford University, Calif.
Application May 12, 1944, Serial No. 535,388
8 Claims. (Cl. 214-65)



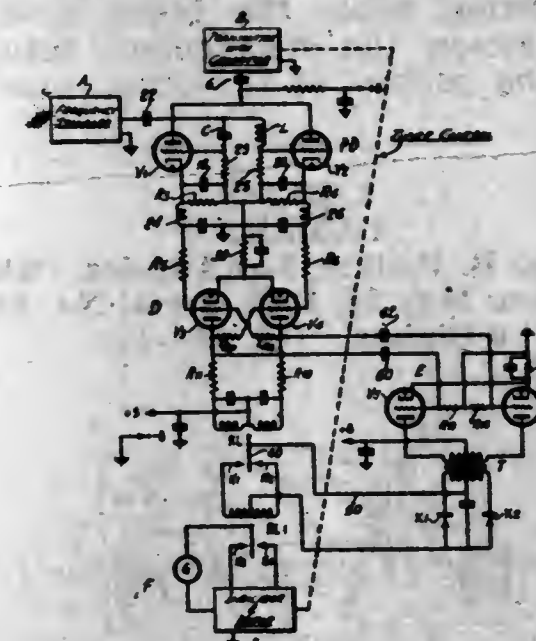
1. In a vehicle having a floor and an upstanding frame secured thereto, an overhead track carried by said frame, a freight hoist device supported on said track for movement longitudinally of the latter back and forth between the ends thereof, means carried by said frame for releasably securing said device against such movement, said freight hoist device including a carriage supported on said frame for movement over said floor in a direction at right angles to said first mentioned movement.

2,387,543
POLYMERIZATION CATALYSTS
Robert M. Thomas, Union, and Joseph F. Nelson, Elizabeth, N. J., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana

No Drawing. Application January 2, 1941, Serial No. 372,892
8 Claims. (Cl. 260-94)

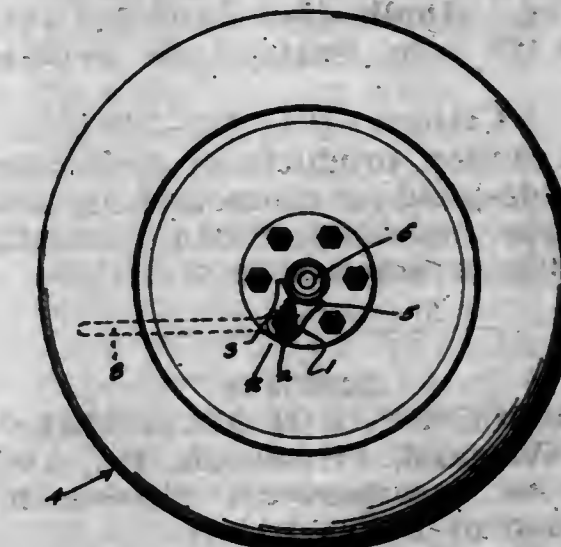
1. The process for the polymerization of olefinic materials at temperatures ranging between about -10° and about -150° C. in the presence of a catalyst comprising the complex formed by reacting aluminum chloride with nitromethane, the step which comprises carrying out the reaction in the presence of methyl chloride as a solvent for the complex catalyst.

2,387,544
FREQUENCY AND PHASE COMPARISON DETECTION AND CONTROL SYSTEM
George L. Uselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 27, 1943, Serial No. 500,191
12 Claims. (Cl. 250-40)



1. In apparatus of the class described, a source of oscillations the frequency of which may vary, a source of oscillations of substantially like frequency which is of substantially fixed frequency, a phase rotation detector including two tubes each having input electrodes including a cathode and having output electrodes including said cathode, circuits for impressing oscillations from both of said sources on electrodes of both of said tubes there being a phase displacement between the oscillations impressed from one of said sources on the electrodes of the respective tubes, a tripping circuit comprising a pair of tubes each having an anode, a cathode and a control grid with the anodes and grids of the last mentioned tubes cross-coupled by impedances, couplings between the control grids of said second named pair of tubes and the cathodes of said first named pair of tubes and a utilization circuit differentially coupled to corresponding electrodes in said second pair of tubes.

2,387,545
NUT HOLDER
Peter Vency, Wooster, Ohio
Application May 27, 1943, Serial No. 488,789
1 Claim. (Cl. 81-10)

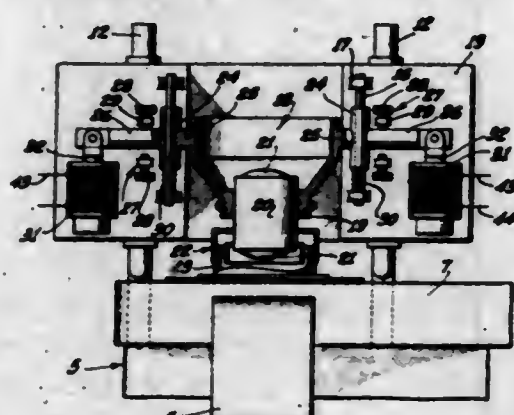


A device for application to the outer female nut of a dual wheel assembly, wherein a portion of an inner wheel is held by an inner male nut and a portion of an outer wheel is held by the outer female nut threaded on the intermediate portion of said inner male nut beside the circular

hub of the wheel, comprising a flat plate having a polygonal opening at one end to snugly fit over the female nut so that the plate may lie against the outer wheel portion, said plate being formed at its other end with a fork providing a convex end edge and adapted to snugly embrace a portion of the wheel hub when the plate is fitted over the female nut, whereby to hold the female nut against turning while the inner male nut is turned to loosen the engagement between the nuts and the portion of the outer wheel.

2,387,546 CAMERA

Joseph B. Walker, Los Angeles, Calif.
Application May 25, 1942, Serial No. 444,325
6 Claims. (Cl. 88-16)



1. In a device of the character described, a camera, a lens carrier, a lens element supported by said carrier, guide means associated with the camera for the slideable support of said lens carrier, electrically operated means to shift at a constant speed the lens carried from one stationary position relative to the focal plane of the camera to another such stationary position during each of a pair of successive exposures of the camera, means to selectively apportion time of exposure between said one position and the position to which the lens is shifted and means to return the lens carrier to its original position during the interim between said exposures.

2,387,547

ALDEHYDE CONDENSATION PRODUCTS AND PROCESS OF MAKING SAME

Gustave Widmer, Basel, and Willi Fisch, Binningen, Switzerland, assignors, by mesne assignments, to the firm Ciba Products Corporation, Dover, Del.

No Drawing. Application June 12, 1940, Serial No. 340,199. In Switzerland September 28, 1935

5 Claims. (Cl. 260-249.5)

4. The reaction products of melamine with a formaldehyde-yielding compound, in the form of solid methylol-melamine crystals essentially free from resinous or amorphous materials.

2,387,548

PROCESSING OF MATERIALS

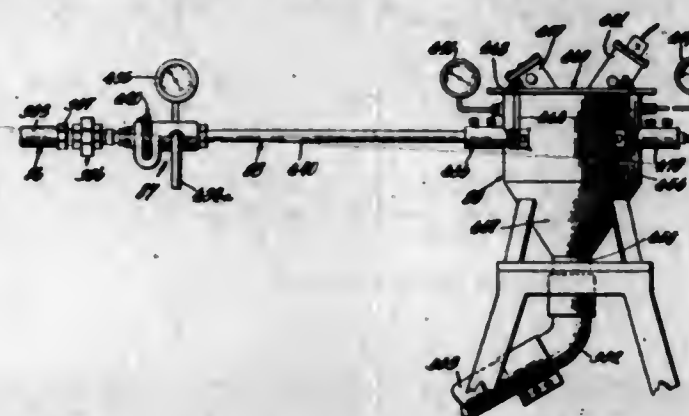
Edwin L. Wiegand, Pittsburgh, Pa., assignor to Orefraction Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania

Original application December 7, 1939, Serial No. 308,002. Divided and this application October 24, 1940, Serial No. 362,563

31 Claims. (Cl. 241-5)

1. In combination: a casing; a ring-like member disposed in said casing and having an aperture extending from an outer peripheral surface

portion of said member through an inner peripheral surface portion thereof; gun means for projecting a stream of fluid and material to be ground, said gun means having a portion disposed through said casing and having its muzzle extending into said aperture; anvil means disposed in said ring-like member; said gun means and said anvil means being relatively so constructed and arranged that said stream impinges said anvil means; jet means constructed and arranged



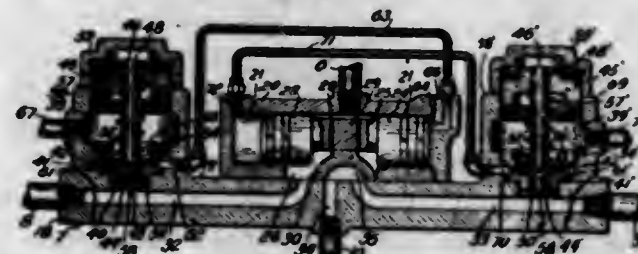
to introduce fluid into the bore of said gun means to accelerate said stream; a tank for containing material to be ground; means for introducing fluid under pressure into said tank; conduit means, connecting said tank to the breech of said gun means, constructed and arranged to feed material under fluid pressure from said tank to said breech; a source of fluid under pressure; and conduit means connecting said source to said jet means.

2,387,549

CONTROL SYSTEM

Wade H. Wineman, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application June 28, 1940, Serial No. 343,008
8 Claims. (Cl. 121-158)



1. In an apparatus of the character described, a pressure fluid actuated distributing valve, and controlling means for said valve including a pilot valve subjected to the pressure distributed by said distributing valve and controlling a throwing connection for said distributing valve, said pilot valve having means moving therewith on opening thereof to increase its rate of opening movement, and means for venting the throwing fluid which passes said valve and with which increased flow area is provided on closing of said valve.

2,387,550

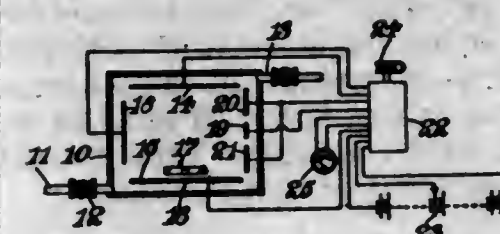
ELECTRICAL METHOD OF AND APPARATUS FOR THE ANALYSIS OR IDENTIFICATION OF GASES, VAPORS, AND THE LIKE

Louis Theodore Winkler, London, England
Application November 23, 1942, Serial No. 466,699
In Great Britain October 16, 1941

11 Claims. (Cl. 73-18)

1. A method of analyzing mixed gases or vapors, which comprises the steps of (a) producing an electric field between electrodes exposed to the mixture of gases to be identified to remove fortuitous ions from the gas, (b) ionizing a gas near one electrode of said field, (c) reversing the

direction of the field for a period of time to cause the ions to travel from said electrode through different distances according to their respective ion-mobilities, (d) producing an electric field trans-

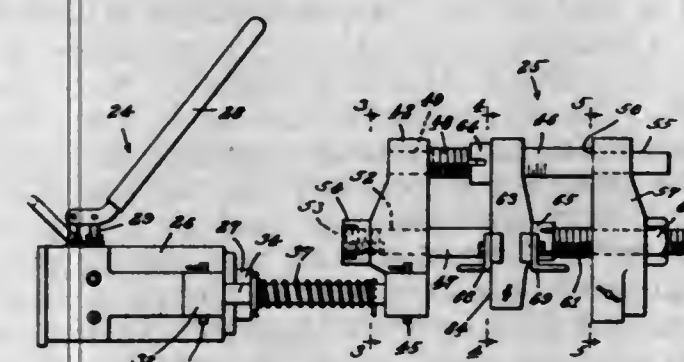


verse to the said travel of the ions, (e) collecting the ions from a group or groups on an electrode, and (f) measuring the charge imparted to said electrode.

2,387,551

APPARATUS FOR DISASSEMBLING AND REASSEMBLING TRACKS

John Herbert Abramson and Edwin C. Swanson, Rockford, Ill., assignors to Greenlee Bros. & Co., Rockford, Ill., a corporation of Illinois
Application October 20, 1941, Serial No. 415,678
10 Claims. (Cl. 59-7)



1. The combination in a device for pressing the pins and bushings of crawler type track chains having a power unit for exerting a pressing force against the pins and bushings, of a head comprising a head member arranged for disposition on the side of said chain adjacent said power unit, said power unit having means for attachment to said head member, a fixed support arm disposed on the opposite side of said chain to hold a side link of said chain during a pressing stroke, spaced upper and lower head bars extending transversely of said track and rigidly connecting said member and said support arm, a movable support arm carried on said head bars and disposed for reception between the side links of said chain to hold the other side link of said chain during said pressing stroke, and means for securing said movable arm in any of a plurality of adjusted positions with respect to said fixed arm, dependent upon the spacing of the side links of said chain to bring said arms into supporting relationship with said side links.

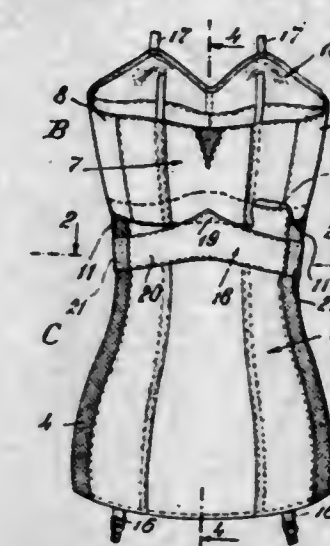
2,387,552

CORSELET

Leon N. Alberts, New York, N. Y.
Application February 25, 1944, Serial No. 523,808
3 Claims. (Cl. 2-37)

1. In a corselet, a corset part adapted to completely encircle the lower part of the body, a brassiere part adapted to completely encircle the upper part of the body, the front sections of the corset part and the brassiere part being sewed together, the brassiere part being separate from the corset part at the back and having its lower

edge disposed above the waist line and overlying the upper margin of the back section of the corset part, and an arched belt elastic at least in part extending across the exterior of said back section having its ends anchored at the sides of said corset part below the lower edge of the bras-

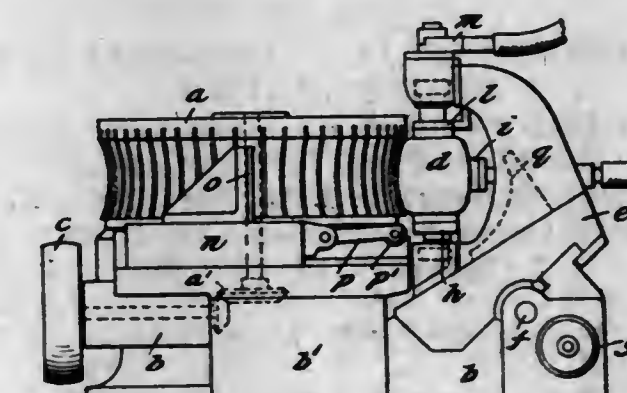


siere part and attached at its center to the lower portion of the center of the brassiere part of the garment, the length of said belt being such that the elastic part thereof maintains it under tension when the wearer is in upright as well as bent-over position.

2,387,553

MILLING MACHINE FOR INGOTS

Leonida Antonelli, Este, Padova, and Osvaldo Pavan, Imola, Italy; vested in the Alien Property Custodian
Application February 20, 1942, Serial No. 431,768
In Italy January 2, 1941
2 Claims. (Cl. 90-19)

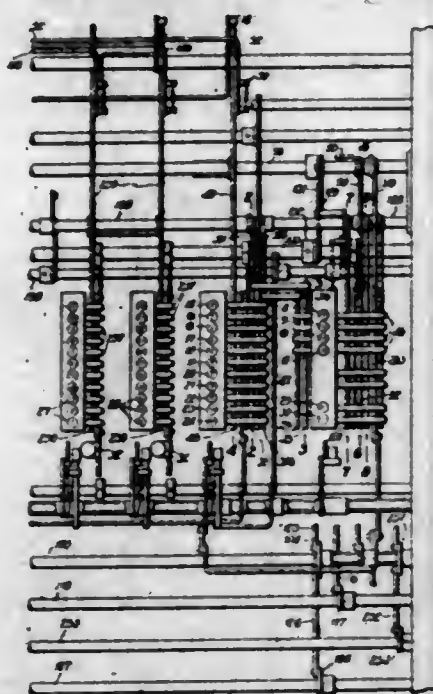


1. In a milling machine, the combination of a frame; a reciprocable work table slidable on said frame in the direction of the longitudinal axis of the work on the table; adjustable means for clamping the work on said table; a reciprocable carriage slidable on said frame in a direction at right angles to the said axis; a pair of arms pivoted on the end of said carriage toward said table, and each provided on its outer end with a roller; a pair of arcuate tracks on said table, the table and carriage being so constructed and related that the tracks can be brought into alignment with the arms respectively, by the travel of the table, and that when they are so aligned the carriage can be slid toward the table and cause said rollers to travel on their respective tracks, thereby causing the arms to rise under the work, the clamping means being released from the work, so that the work is turned about its said axis; and a rotary cutter rotatable about a vertical axis on said frame, the path of the table being tangential to the periphery of the cutter, and the path of travel of the carriage being on the same side of the table as the cutter.

2,387,554

BOOKKEEPING MACHINE

Kurt Aurbach, Bielefeld, Germany; vested in the Alien Property Custodian
Application August 24, 1938, Serial No. 226,468
In Germany August 27, 1937
10 Claims. (Cl. 235—27)

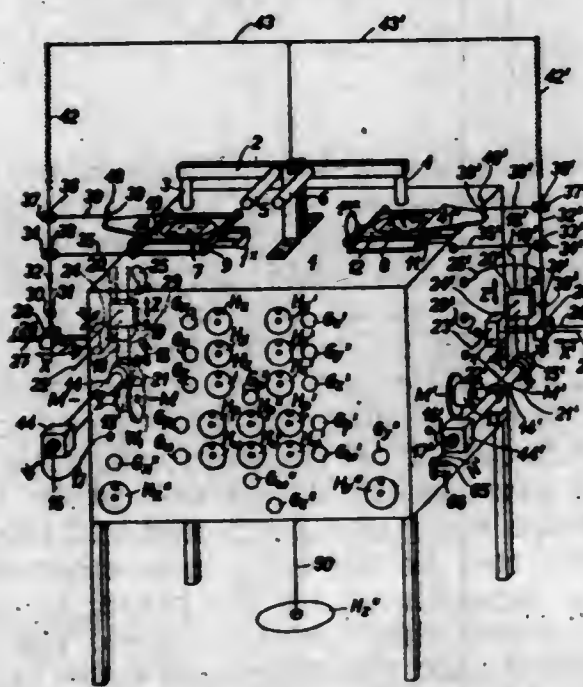


1. In a bookkeeping machine, a pair of preliminary setting members, a pair of secondary setting members, a feeler, impelling means operated differently by the respective secondary setting members to impel said feeler along different paths of movement, blocking means normally blocking both of said paths of movement and means whereby said blocking means are shifted by the respective preliminary setting members to unblock said paths of movement of said feeler alternatively.

2,387,555

APPARATUS FOR PLOTTING MAPS FROM PHOTOGRAPHS

Walther Bauersfeld, Jena, Germany; vested in the Alien Property Custodian
Application January 5, 1940, Serial No. 312,533
In Germany January 18, 1939
7 Claims. (Cl. 33—20)



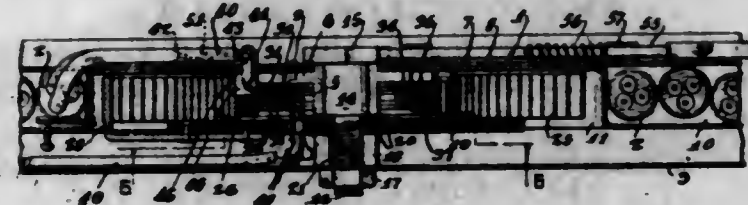
1. In an apparatus for stereophotogrammetric plotting, a housing, a stereocomparator comprising a binocular observation instrument fixed to said housing, a pair of elements each for carrying one of a pair of stereoscopic pictures adjacent the observation instrument, said elements being movable in all directions in a plane parallel to the emulsion surfaces of said pictures, a pair of rods

pivotally and slidably supported on said housing, pivoted and slidable connections between each of said rods and said picture carrying elements respectively, means for displacing said rods simultaneously in any one of three directions in space which are at right angles to each other, and means for adjusting said rod displacing means to change the directions of displacement of the rods from the initial three directions while maintaining said right angular relationship between the three directions of displacement.

2,387,556

RETRACTING CORD REEL

Roy J. Baunach, Toledo, Ohio, assignor to The Swartsbaugh Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application January 10, 1944, Serial No. 517,669
3 Claims. (Cl. 191—12.2)



1. In a reel of the class described, a stationary mount, a hub sleeve mounted for rotation on said mount, a radially disposed annular web portion fixed to said sleeve and having a rim portion forming an annular radially opening rim channel with the channel at one side of the plane of rotation of said web portion and in overhanging relation to the hub sleeve to provide a space between the rim channel and the sleeve, a ring disposed within said space intermediate the sleeve and rim and anchored to the web portion to rotate therewith, a coiled retracting spring mounted in said space without said ring and anchored at its inner end to the ring and at its outer end to said mount, and electric ring-type brush means mounted in said space between said ring and sleeve, certain of the brush rings turning with the reel and having extensions for the connection of circuit wires thereto and certain other of said rings being stationary relative to said mount and having circuit wire connecting extensions therefrom.

2,387,557

COOLING AND HEATING LIQUIDS

Ludwig Beer, Herbert Berg, and Wolfgang Gruber, Burghausen, Germany; vested in the Alien Property Custodian
No Drawing. Application March 10, 1941, Serial No. 382,664. In Germany March 15, 1940
4 Claims. (Cl. 252—73)

1. A liquid heat exchange medium for regulating the temperature of exothermic catalytic reactions consisting essentially of isophorone in an amount sufficient to prevent the decomposition of the oil at a temperature above 100° C. and a steam cylinder oil which has a lubricating effect on packings and stuffing boxes.

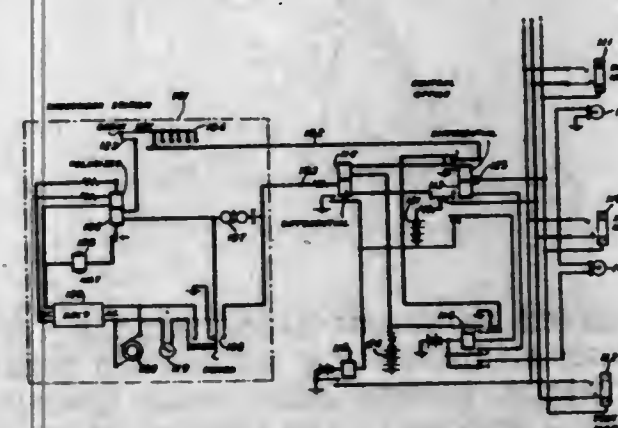
2,387,558

TELETYPEWRITER TESTING SYSTEM

Allen R. Bonorden, Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 11, 1943, Serial No. 501,972
11 Claims. (Cl. 173—69)

1. A teletypewriter signal testing system for testing signal transmission comprising a plurality

of transmission channels each having operable means, a switchboard whereat said transmission channels terminate, a test board, a circuit interconnecting said switchboard and said test board, a source of different types of signals biased to any desired degree, means under the control of said operable means associated with one of said trans-



mission channels for remotely selecting any one of said types of signals from said source, and other means associated with said source for automatically transmitting the different types of said biasing signals from said source to said one transmission channel when an operable connection is established between said one channel and said interconnecting circuit.

2,387,559

METHOD OF MAKING HIGH TEMPERATURE-RESISTING BONDED MICA PRODUCTS

Willis A. Boughton and William R. Mansfield, Cambridge, and Frank C. Hughes, Boston, Mass., assignors to Willis A. Boughton, Chester L. Dawes, William R. Mansfield, Frank C. Hughes, and Donald M. Hill, trustees of Mica Patents Trust, Cambridge, Mass.
Application November 20, 1942, Serial No. 466,255
7 Claims. (Cl. 154—2.6)



1. The method of making a high temperature resisting composite mica product which comprises building up mica films into a plate by cementing a plurality of layers of said films together with a high temperature resisting inorganic binder, said binder being applied as a liquid, removing the solvent from said binder within the plate, placing said superficially dried mica plate between prefabricated high temperature resisting composite inorganic bonded mica plates to form an assembly, baking said assembly in a furnace at a binder fusion temperature of from about 550° C. to about 650° C., compressing said assembly while still hot under a pressure of from about 250 to 500 pounds per square inch, and cooling said assembly while still under pressure.

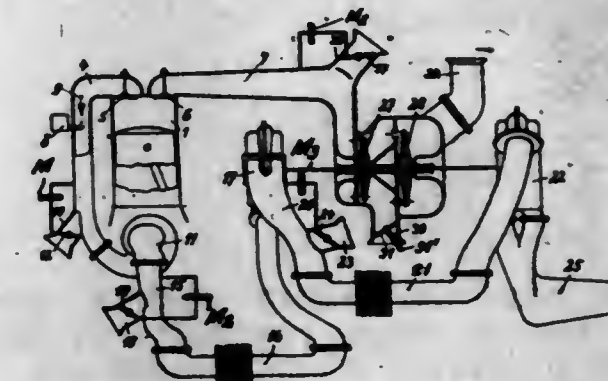
2,387,560

AIRCRAFT POWER PLANT FOR HIGH ALTITUDE FLIGHT

Georges Boulet, Plessis-Robinson, France; vested in the Alien Property Custodian
Application November 16, 1939, Serial No. 304,834
In France November 26, 1938
4 Claims. (Cl. 60—13)

1. In an aircraft engine of the character described wherein air may be supplied to the cylinders directly from the atmosphere when the at-

mospheric pressure is of a proper value and wherein a compressor is provided to supply air when atmospheric pressure is below the desired value, the combination with the compressor of a plurality of auxiliary compressing units adapted to be driven individually and to supply air partially compressed to said compressor, conduit means connecting said auxiliary compressing units in series whereby the air is compressed in stages when the units are operated, cooling means to cool the air passed from each of said auxiliary compressing units before it is compressed further, and a valve-control assembly comprising a plurality of valves and a plurality of individually op-

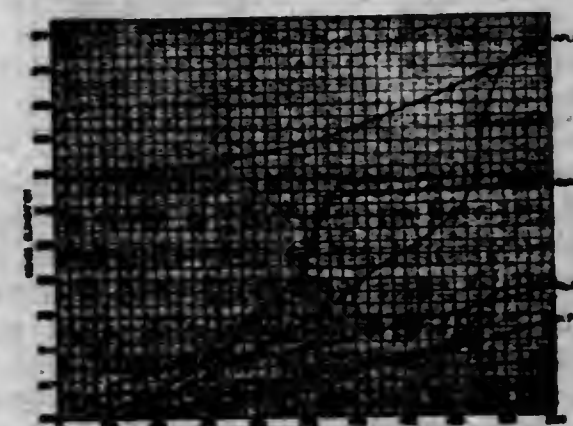


erating control units providing vents which may be opened to atmosphere at the outlet of each of said auxiliary compressing units whereby the pressure of the air supplied by the particular unit is maintained substantially constant while the unit is operating, and a plurality of turbines individually operable and connected respectively to the auxiliary compressing units with each turbine being connected to be operated by the exhaust gases of the engine, and valve means to control the discharging of the gases directly to atmosphere or selectively to said turbines whereby said turbines individually operate their respective auxiliary compressing units.

2,387,561

METHOD OF TREATING THE ROCK, APLITE

Ralph F. Brenner, Lancaster, Ohio, assignor to Dominion Minerals, Incorporated, Washington, D. C., a corporation of Virginia
Application March 26, 1943, Serial No. 480,641
2 Claims. (Cl. 241—32)

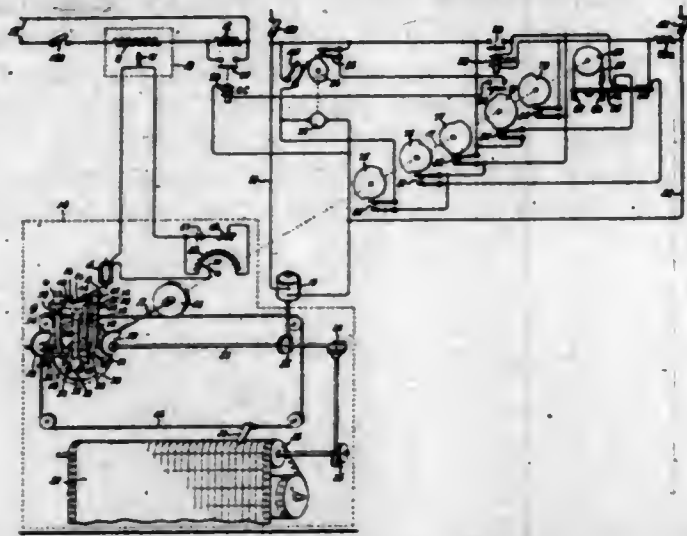


1. The method of treating aplitite to reduce it to a grain size suitable for use in ceramic ware or for similar purposes, which comprises calcining lumps of the aplitite at a temperature sufficient to cause permanent expansion thereof, said temperature ranging from 1650° Fahrenheit to 2000° Fahrenheit, and then grinding the calcined lump aplitite to a size such that all the ground material will pass through a 16-mesh screen while having approximately 80 per cent of the total weight of the ground material greater than 100 mesh.

2,387,562

CONDITION CONTROL SYSTEM

Albert W. Brunot, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application December 7, 1942, Serial No. 468,165
17 Claims. (Cl. 236-15)

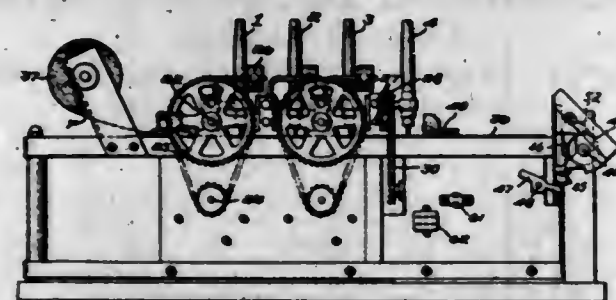


1. In a condition control system, condition changing means, means responsive to said condition for substantially instantaneously changing the output of said condition changing means between predetermined maximum and minimum values to maintain a predetermined normal value of said condition, timing means for periodically interrupting maximum output operation of said condition changing means at a predetermined fixed ratio of time-on to time-off thereby to reduce the maximum available output to less than said maximum output, and control means actuable in accordance with the value of said condition to energize said timing means above a selected value of said condition less than said normal value and to deenergize said timing means below said selected value.

2,387,563

INTERACTION RECORDER

Elliot D. Chapple, Belmont, Mass.
Application December 29, 1942, Serial No. 470,477
9 Claims. (Cl. 234-66)

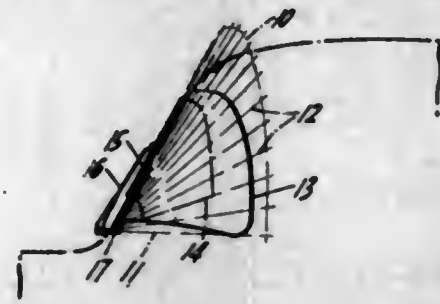


1. An interaction recorder comprising a series of markers, means supporting a web of paper in cooperative relationship to said markers, mechanism for feeding said web past said markers but in recording relationship thereto, said markers being adapted to cooperate with said web of paper in indicating a series of values, power driven mechanism for operating said markers to record values on said web of paper, electric controlling apparatus for said mechanism operable to start, stop and reverse the motion of said markers, selectively, said controlling apparatus comprising a control circuit including a plurality of relays, interconnections between said relays, and two manually operable control switches connected into said circuit with said relays, the circuit and said interconnections being constructed and organized to bring said markers into action in different but predetermined combinations, depending upon the sequence in which said control switches are operated.

2,387,564

WINDSHIELD AND CLEANER THEREFOR

Conrad Christel, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application January 30, 1943, Serial No. 474,099
5 Claims. (Cl. 15-255)

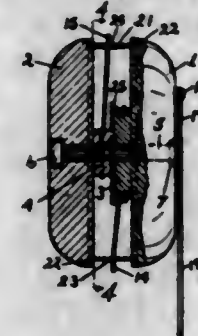


5. A curved vehicular transparency for association with an oscillating windshield wiper having a straight wiping edge, said transparency comprising a portion of the surface of an obtuse-angled cone, the axis of generation of said conic surface portion being coincident with the axis of oscillation of the windshield wiper.

2,387,565

MECHANICAL TOY

Harry J. Criner, Davenport, Iowa, assignor of one-half to A. G. Bush, Davenport, Iowa
Application January 24, 1944, Serial No. 519,549
2 Claims. (Cl. 46-132)



1. A mechanical toy comprising a central shaft, a pair of solid circular side members rigidly united to the shaft and having parallel plane inner faces spaced apart, differential winding drums co-axially united to the side members respectively on their inner faces, annular grooves formed at the outer edges of the inner faces of the side members, an annular band interposed between the side members with its edges fitting loosely in said annular grooves, cords or strings having their inner ends united respectively to said winding drums and windable thereon in opposite directions, string guide openings formed in approximately opposite sides of the annular band and through which the outer ends of said strings pass respectively.

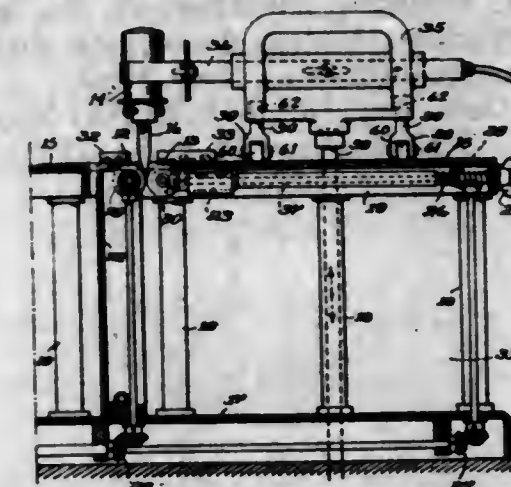
2,387,566

APPARATUS FOR CONNECTING PILES OF THERMOPLASTIC MATERIAL

Jakob Custers, Gladbach-Rheydt, Germany; vested in the Alien Property Custodian
Application May 3, 1941, Serial No. 391,802
In Germany August 22, 1940
3 Claims. (Cl. 154-42)

1. A device for adhering piles of thermoplastic materials, comprising a frame, two rotatable rollers mounted on the frame, a wedge-shaped heating element positioned in alignment with the entrance side of the rollers into the wedge-shaped space formed by said rollers for contact with the opposed surfaces of the piles, and a support car-

ried by the frame for positioning said element and including pivot means about which the heat-

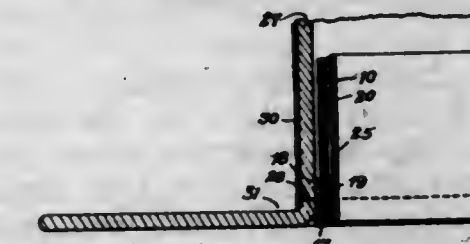


ing element may be rocked in a plane parallel to the axes of the rollers.

2,387,567

SWEATBAND

Fred De Fco, New York, N. Y.
Application October 12, 1943, Serial No. 505,914
1 Claim. (Cl. 2-181)

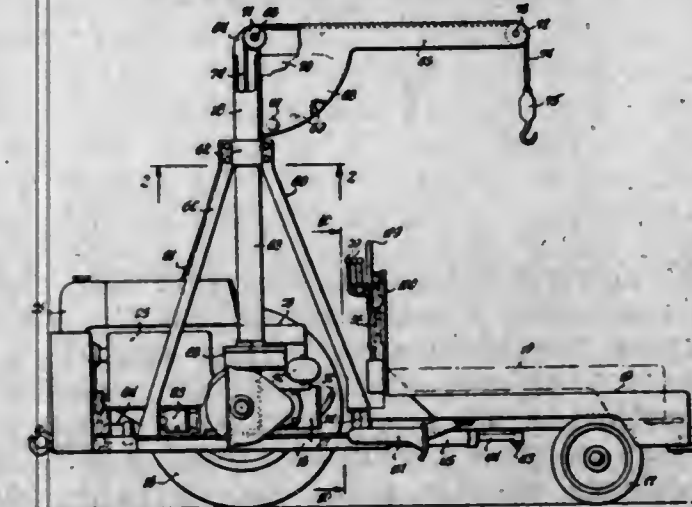


A sweat band mounting comprising a strip of thermoplastic material whose lower edge is rolled around a core, a second strip of thermo-plastic material which is doubled around said rolled edge and whose center portion is fused thereto to form, with said rolled edge, a double roll around said core, the unfused portions of said second strip constituting flaps adapted to be attached to a hat and the sweat band of the hat respectively, said first strip being provided with a pad of absorbent material affixed thereto.

2,387,568

INDUSTRIAL TRUCK

Edward A. Drott and Joseph H. Kerber, Milwaukee, Wis., assignors to Hi-Way Service Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application January 7, 1943, Serial No. 471,572
4 Claims. (Cl. 214-65)



1. In a vehicle of the character described, the combination with a frame, of an elevating platform mounted thereon, raising and lowering means for said platform, a hoist carried by said frame including a rotatable standard mounted on said frame and having a radially disposed load carrying member swingable over said plat-

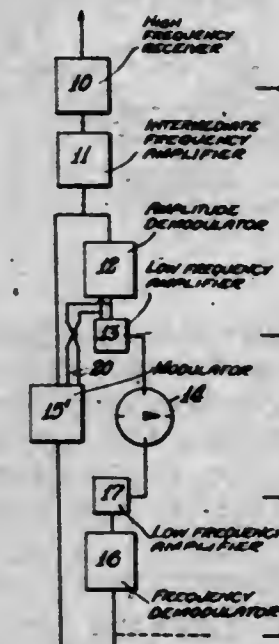
579 O. G.-42

form and laterally of said frame, a hoisting cable mounted on said standard and member, power operated means mounted on said frame for operating said cable, and power operated means mounted on said frame for turning said standard through a complete revolution relative to said frame.

2,387,569

METHOD OF DETERMINING POSITIONS IN SPACE

Hans Eggers, Berlin, Germany; vested in the Alien Property Custodian
Application November 8, 1941, Serial No. 418,348
In Germany August 29, 1940
9 Claims. (Cl. 250-11)



1. The method of determining directions in space, which comprises producing a continually rotating directional wave radiation pattern, frequency modulating the wave produced in this pattern at a given rate with respect to the rotational speed of the directional radiation pattern, receiving the wave produced in said pattern, detecting the wave received from said rotational radiation pattern and the frequency modulated radiation thereof, subjecting the oscillations produced in response to the reception of the rotating radiation pattern to an amplitude demodulation, subjecting the frequency modulated oscillations to modulation by the alternating current resulting from the amplitude demodulation and in such phase as to equalize the amplitude variations thereof, subjecting the frequency modulated oscillations to a frequency demodulation, and comparing the phase relation between the alternating currents resulting from the amplitude demodulation and the frequency demodulation for ascertaining the direction of the radio receiver relative to the radio transmitter.

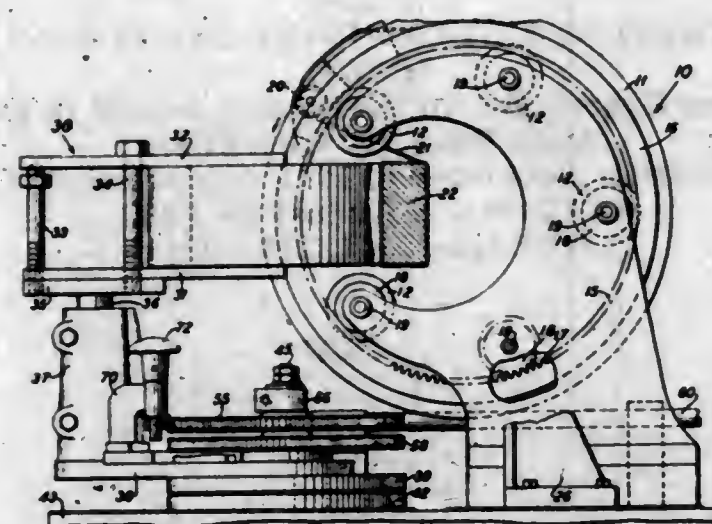
2,387,570

DISTRIBUTING CONTROL DEVICE

Waldemar C. Ewaldson, Millington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 5, 1944, Serial No. 529,585
7 Claims. (Cl. 242-4)

1. In an apparatus for winding material on a circular article including a unit to support the article and a rotatable serving head for the material, driving means to rotate the serving head at a constant speed to cause laying of convolutions of the material on the article, means to support the unit for rotary movement about an axis in alignment with the center line of the article, a variable element carried by the unit, a

member operatively connected to the element and rotatable about the axis, driving means operable in synchronism with the driving means for the serving head and including the element and the member to move the unit and the article about the said axis and center line to cause the portions of the convolutions of the material at



the outer periphery of the article to successively lay at predetermined positions relative to each other, and means to actuate the element to vary the said driving means for the unit to vary the said positions of the portions of the material while the speed of the serving head remains constant.

2,387,571

HEAT-STABILIZED HIGH-POLYMER HALOGEN-CONTAINING PRODUCTS

Hans Fikentscher, Ludwigshafen-on-Rhine, and Richard Roehm, Troisdorf-Oberlar, Germany; vested in the Allen Property Custodian
No Drawing. Application May 2, 1941, Serial No. 391,512. In Germany January 2, 1940
6 Claims. (Cl. 260-88)

1. Heat stable compositions consisting of a solid high polymer halogen-containing substance selected from the class consisting of chloro rubber, polyvinyl chloride, chlorinated polyvinyl chloride and polymeric as-dichloroethylene, an alkaline substance selected from the group consisting of alkali carbonates and an alcohol selected from the class consisting of dodecyl alcohol, octadecyl alcohol, phenyl ethyl alcohol, hydroxy-ethyl cresol, hydroxy ethyl naphthol, dekahydronaphthol, and hydroxy-dodekahydrodiphenyl.

2,387,572

DETERGENT COMPOSITION AND METHOD OF MAKING SAME

Lawrence H. Flett, Hamburg, N. Y., assignor to Allied Chemical & Dye Corporation, a corporation of New York

No Drawing. Application July 21, 1941,

Serial No. 403,456

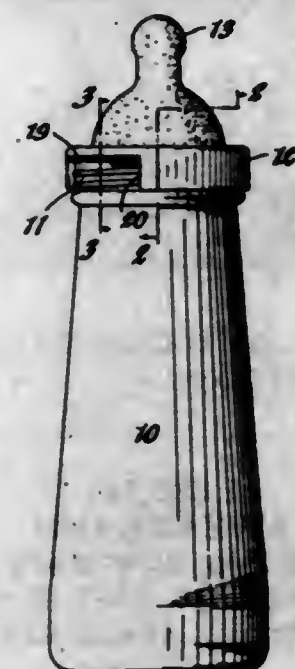
12 Claims. (Cl. 252-161)

2. An improved detergent composition comprising alkyl aryl sulfonates, the alkyl side chains of which are derived from a kerosene fraction at least 80% of which boils within the range 180° to 300° C., and a water soluble salt having an inorganic cation selected from the group consisting of water soluble sulfates, sulfites, thiosulfates, chlorides, dihydrogen phosphates, borates and acetates, the amount of said water-soluble salt having an inorganic cation being such that the sulfonate-salt mixture contains between about 40% and about 65% by weight thereof.

2,387,573

NURSING UNIT

Howard H. Ganson, Buffalo, N. Y., assignor to Hygeia Nursing Bottle Company, Inc., Buffalo, N. Y., a corporation of New York
Application May 18, 1942, Serial No. 443,399
3 Claims. (Cl. 215-11)

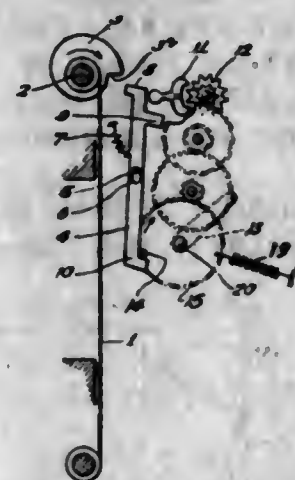


2. A nipple for nursing bottles, comprising a body having a base flange for flatwise engagement with the top edge of the bottle and having a tab projecting therefrom in the plane thereof, said flange having a depending retaining rim at its periphery adapted to extend about the outer portion of the top edge of the bottle and being cut away in the plane of the tab, the latter having a venting channel in its bottom side adapted to span the top edge of the bottle.

2,387,574

PHOTOGRAPHIC SHUTTER

Bruno Gehmlich, Freital 1, near Dresden, Germany; vested in the Allen Property Custodian
Application November 16, 1940, Serial No. 365,903
In Germany November 28, 1939
6 Claims. (Cl. 161-26)



1. The combination of a photographic curtain shutter including a roller for taking up the curtain during the tensioning of the shutter, a delayed action release including an escapement, means actuated by said roller for releasing the escapement of said previously tensioned delayed action release shortly after the curtain shutter upon its release has been set in motion to execute its exposure movement, said means arresting the motion of said shutter until said delayed action release has run off, and means actuated by said delayed action release at the end of its unwinding movement to adjust said first named means to permit a continued motion of said shutter during which the exposure takes place.

2,387,575

FASTENER FOR DETACHABLY ASSEMBLING TWO PARTS

Jean Emile François Gobin dit Daudé, Neuilly-sur-Seine, France; vested in the Allen Property Custodian

Application October 23, 1941, Serial No. 416,269

In France April 2, 1941

3 Claims. (Cl. 24-222)

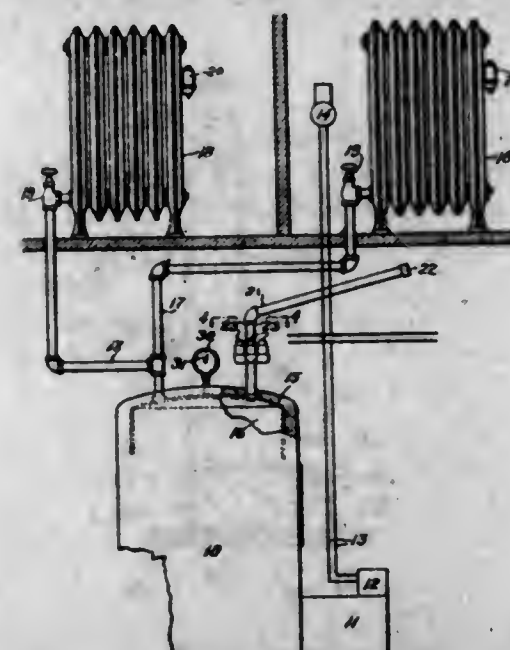


1. A fastener of the type described for detachably assembling two parts together, which comprises, in combination, a male element including a substantially frusto-conical stud, a female element including a substantially frusto-conical hollow portion adapted to accommodate said stud, and a flat wall closing one end of said hollow portion provided with a slot extending substantially to the base of said hollow portion and adapted for wedging engagement with said stud under the effect of a relative sliding of said male and female elements transversely to said stud, the apex angles of said frusto-conical stud and said frusto-conical hollow portion being equal.

2,387,576

HEATING SYSTEM

Charles W. Graves, Arlington, Mass.
Application January 27, 1943, Serial No. 473,720
2 Claims. (Cl. 237-9)

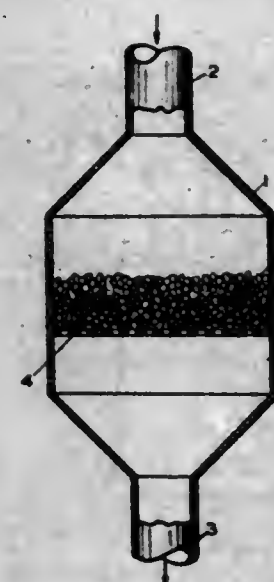


1. In a steam heating system of the character described, the combination with a radiator equipped with a normally closed thermostatic air outlet valve, a steam generator including heating means, a room thermostat for automatically controlling the operation of said heating means to supply steam periodically to said radiator, and a riser through which steam is delivered to said radiator from said generator, of a dead end reservoir having an outlet communicating with the steam space of said generator, said air reservoir being directly heated by the boiler of said generator and also having an air inlet communicating with the outside atmosphere, and a valve controlling said air inlet and itself controlled by the temperature of said reservoir and its contents so that immediately upon a fall of the pressure within the system to a predetermined point slightly below atmospheric pressure said inlet-controlling valve automatically opens to admit air to the system to break the vacuum therein and prevent opening of said radiator outlet valve so that the latter is maintained continuously closed during normal operation of the system.

2,387,577

PRODUCTION OF HYDROCYANIC ACID

Howard Donovan Green, Altadena, Calif., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application September 20, 1943, Serial No. 503,077
6 Claims. (Cl. 23-151)

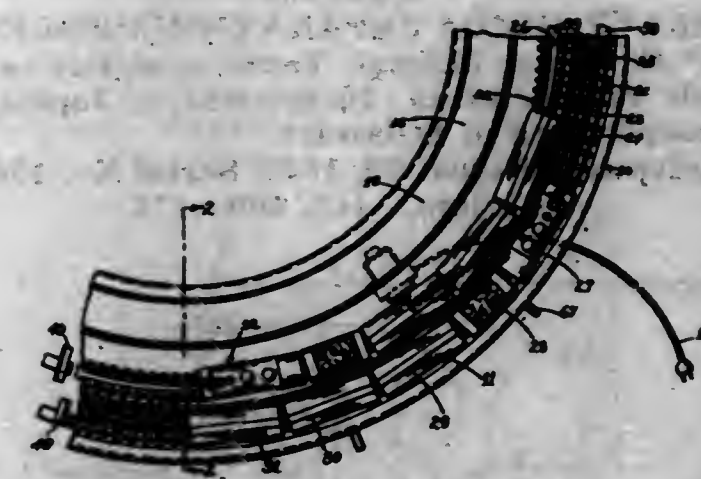


1. In a process for the production of hydrocyanic acid by catalytically reacting nitric oxide with a hydrocarbon in the vapor phase, the step comprising flowing the reacting gases through two adjacent layers of granular, substantially non-porous, refractory material, the layer first contacted by the gas being substantially free from a catalyst for the reaction and the other layer being coated with a platinum metal, the temperature of the gases in contact with said first layer being not higher than 800° C.

2,387,578

MINIATURE RAILWAY

Lee B. Green, Lakewood, Ohio
Application May 25, 1944, Serial No. 537,282
7 Claims. (Cl. 46-216)

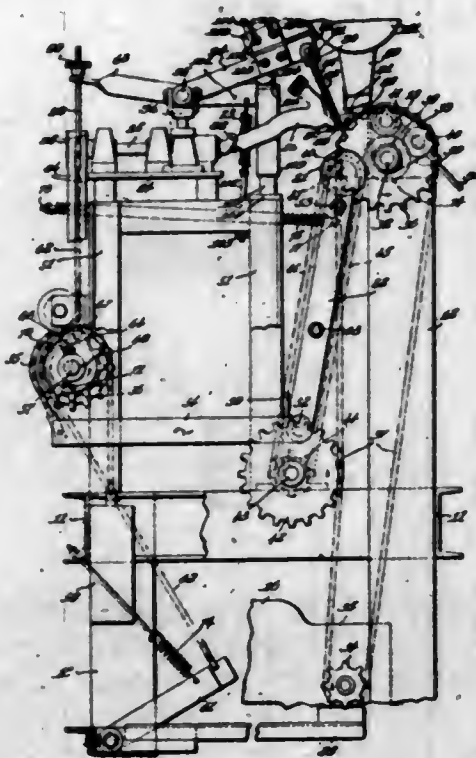


1. A miniature railway or the like comprising a support having a runway thereon in the form of a closed loop and also having a slot therein extending as a closed loop along said runway, a wheeled vehicle supported on said runway and adapted to travel therealong, a driving member in the form of a closed loop located beneath said runway and substantially coextensive with said slot, said driving member comprising a bar having angularly disposed continuous longitudinal web and flange portions, means mounting and guiding said member for movement along said slot and substantially in its own plane comprising rollers carried by said support and engaging said web and flange portions, means for imparting such movement to said member, and means for establishing a driving connection between said member and vehicle through said slot.

2,387,579

SHEARING MACHINE

Roger L. Griffin, Marblehead, and Norman Y. Moore, Danvers, Mass., assignors to A. C. Lawrence Leather Company, Peabody, Mass., a corporation of Maine
Application March 11, 1943, Serial No. 478,802
28 Claims. (Cl. 26—15)

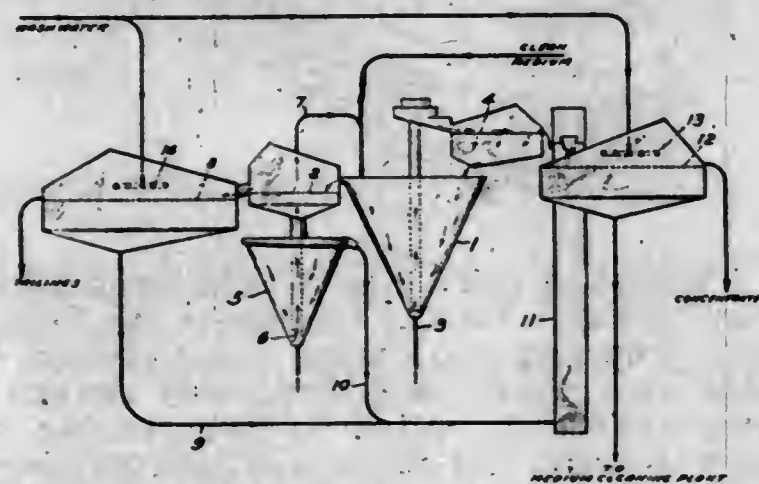


1. In a shearing machine, the combination with a supporting roll over which the skin to be sheared is flexed, of a shearing device operating adjacent the supporting roll for trimming the fur of the flexed skin, a feed roll beyond the shearing device in the direction of feed, an adjacent pressure roll for pressing the trimmed skin against the feed roll, and means for positively rotating said rolls in a direction to feed the work past the shearing device.

2,387,580

HEAVY MEDIA SEPARATION PROCESS

David B. Grove, Mascot, Tenn., assignor to Minerals Beneficiation, Incorporated, Joplin, Mo., a corporation of Delaware
Application August 29, 1942, Serial No. 456,584
3 Claims. (Cl. 209—173)



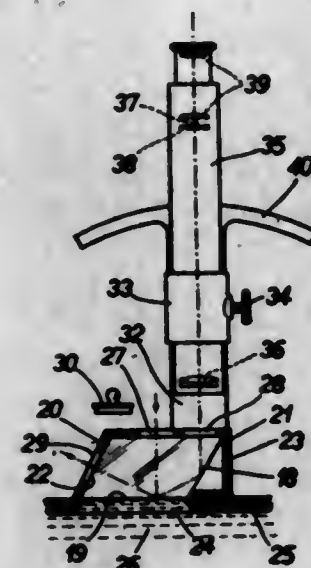
1. In a method of concentrating mixtures of minerals of different specific gravity derived from a comminuted ore in which the mineral values are more readily comminuted than the gangue materials, said mixture containing both coarse and fine particles of high specific gravity minerals by subjecting the mixture to a heavy density fluid mass or medium consisting of a suspension of finely divided solids of high specific gravity in a liquid, the particle size of the fine particles of

high specific gravity mineral being sufficiently fine so that at least a portion of them do not sink in the medium but being coarser than the particle size of the medium solids themselves, the improvement which comprises recovering heavy particles which sink through the medium, overflowing a portion of the medium together with floating particles of light specific gravity and fine particles of heavy specific gravity, subjecting said overflow to a screening operation whereby particles of medium are removed from the floated particles of the mixture, subjecting the residue to a second screening operation whereby the coarse material of low specific gravity in the float product is separated from the fine high specific gravity material and from medium solids adhering thereto, subjecting the mixture of medium solids and fine particles of high specific gravity to a screening operation effecting separation at an intermediate size, returning the medium particles to the separating medium substantially free from fine high specific gravity materials and recovering the separated fine high specific gravity materials.

2,387,581

REFRACTOMETER FOR TURBID LIQUIDS AND PULPOUS SUBSTANCES

Gerhard Hansen, Jena, Germany; vested in the Alien Property Custodian
Application May 27, 1941, Serial No. 395,408
In Germany June 19, 1940
6 Claims. (Cl. 88—14)

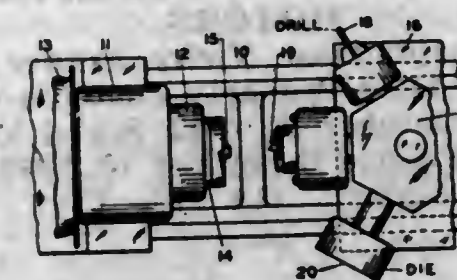


1. In a refractometer for determining the refractive power of turbid liquids and pulpos substances a measuring prism bounded by a number of plane surfaces which are perpendicular to one and the same plane, one of said surfaces serving the entry of light into said prism, a second of said surfaces serving the exit of light out of said prism, and a third of said surfaces serving as measuring surface and being intended to be brought in contact with the substance under investigation, said third surface being about parallel to said light-entrance surface, means for excluding light from the remaining surfaces, a swingably mounted telescope for finding the border line of the total reflection of the light at said third surface, said telescope comprising an objective, an ocular and a fiducial mark and occupying such a position relative to said prism that the light-rays emerging from said prism may enter the objective lens of the telescope, and means for indicating the angle through which the telescope is swung to bring the border line of total reflection into coincidence with said mark.

2,387,582

BROACHING APPARATUS

Fred W. Helming, Waterbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application March 18, 1943, Serial No. 479,545
4 Claims. (Cl. 90—33)

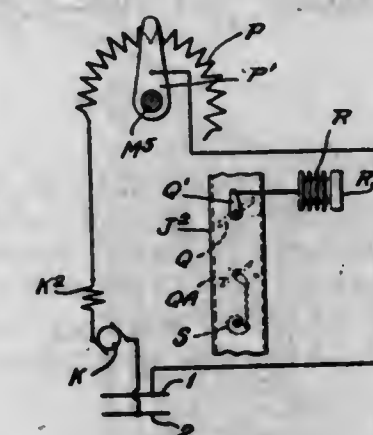


1. Broaching apparatus comprising holding means for a workpiece, means for rotating said holding means, a broaching tool holding means adapted to be rotated about the axis of said workpiece and simultaneously advanced along said axis with respect to said workpiece, and means cooperating with the first mentioned holding means for transmitting to said broaching tool rotary movement about only the axis of said workpiece, said transmitting means comprising a helically conformed spring extending from one of said holding means and adapted to engage one of its ends with a portion of the other of said holding means prior to engagement of said broach with said workpiece and thereby to act as a driving member for said broach in a circumferential sense while remaining resilient in an axial sense.

2,387,583

AIRCRAFT HEATING MEANS

Frederic O. Hess, Germantown, Pa., assignor to Sels Corporation of America, a corporation of Pennsylvania
Application September 4, 1941, Serial No. 409,439
8 Claims. (Cl. 158—28)

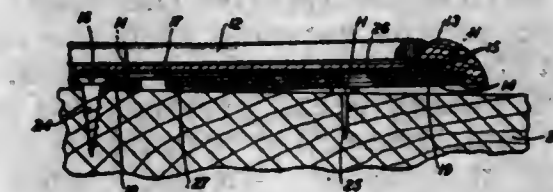


1. The combination with an airplane, of a heating system therefor comprising a heater having a combustion space associated therewith, means including a blower and passage means providing a connection therefrom to the heater for supplying to said space combustion supporting air which decreases and increases in density with increase and decrease, respectively, in the altitude of the airplane, said blower having a fan of a type which supplies the air at a volume rate approximately proportional to its speed, and means for driving said fan including a series wound electric motor whose speed varies inversely to its load torque when subjected to substantially constant energizing conditions.

2,387,584

CARD AND PICTURE FRAME

Robert H. Hoss, Mountainside, and Elliot W. Niles, Bloomfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 6, 1942, Serial No. 464,810
2 Claims. (Cl. 40—152)



1. A frame comprising, a rectangularly shaped plate constructed of two independent sections, a plurality of molding elements secured along three edges of one of said sections, a molding element secured along one edge of one side of the other of said sections, a support, means for securing the first-mentioned plate section to said support, means formed in two of said molding elements longitudinally thereof cooperating with said support to form guiding means for receiving the other of said plate sections, a latch element carried by said support, a latch element carried by said other plate section interlocking with the latch element of the section secured to said support for holding the molding element secured to said other section in assembled end-to-end relation with the last-mentioned two molding elements, and rabbeted portions formed with said molding elements of each of said plate sections for receiving a glass plate and a card, the locking element carried by said other plate section being disengageable from the latch element carried by said support upon a flexing movement of said two molding elements by a force applied to a wedging tool placed between said support and the surface of said molding section disposed adjacent said support.

2,387,585

PACKAGING MACHINE

Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation Limited, Quincy, Mass., a corporation of Massachusetts
Application March 28, 1942, Serial No. 436,599
12 Claims. (Cl. 249—18)



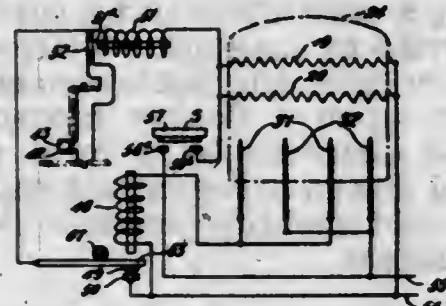
4. In a packaging machine operated in successive cycles, in combination, automatic load forming means comprising a plurality of weighing devices constructed to form a plurality of

weighed loads each cycle of operation and to release the loads formed during successive cycles in substantially equal predetermined time intervals, driving means for said load forming mechanism, independently driven and continuously operated container moving means for moving successive containers past said load forming means in timed relation to the operation of said weighing devices to receive the loads as they are released, means movable with the containers into which the formed loads are discharged, said last named means being arranged to guide the loads into their respective containers during the continuous movement thereof, and control means operatively connected to said load forming mechanism for permitting continuous operation of said container moving means when the load forming mechanism completes its operation within a predetermined established time and for stopping the independently operated container moving means in the event that the load forming mechanism fails to complete formation of the loads within the predetermined time established therefor and for again initiating the operation of the container moving means upon completion of the load forming operation.

2,387,586

TOASTING DEVICE

Marion W. Humphreys, Euclid, Ohio
Application October 10, 1942, Serial No. 461,539
3 Claims. (Cl. 99-326)



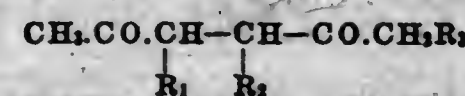
1. In a toasting device, an electric element for heating a slice to be toasted, means for supplying current to said element, a relay having a core and an armature carrying one of a pair of cooperating relay contacts adapted to be closed when the energization of the relay decreases a predetermined amount, a circuit for the relay containing spaced pins adapted to be inserted into the slice so that the energization of the relay is dependent upon the electrical conductivity of the slice, means for adjusting the spacing of said armature and core for varying the effectiveness of the relay, and means controlled by the relay contacts for interrupting the supply of current to said element.

2,387,587

PROCESS OF MANUFACTURING CYCLOPENTENONE DERIVATIVES

Heinz Hunsdiecker, Cologne-Braunsfeld, Germany; vested in the Allen Property Custodian
No Drawing. Application August 20, 1940, Serial No. 353,425. In Germany January 4, 1939
10 Claims. (Cl. 260-586)

1. The process of making substituted cyclopentenones which comprises cyclizing diketones of the formula



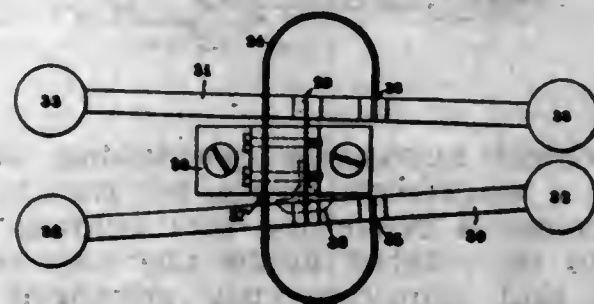
in which R_1 is a monovalent substituent selected from the group consisting of hydrogen and methyl, R_2 is selected from the group consisting

of hydrogen, methyl and carboxyl and R_3 is a radical selected from the group consisting of alkyl, halogen-alkyl, carboxyl-alkyl, esterified carboxyl-alkyl, hydroxy-alkyl and alkoxy-alkyl, by treating the same with an alkali.

2,387,588

SYNCHRONIZING MEANS FOR ELECTRIC MOTORS

Raymond Joseph Jasse, Vichy, France; vested in the Allen Property Custodian
Application October 15, 1942, Serial No. 462,134
In France December 10, 1940
3 Claims. (Cl. 172-126)

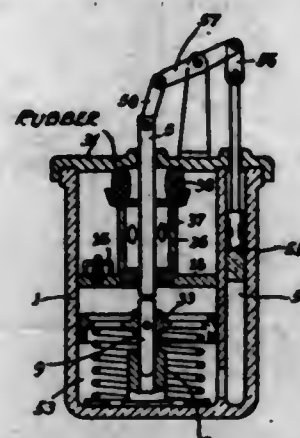


1. In a device for maintaining constant speed of an electric motor, a sustained vibrator comprising a support, a balanced beam carrying end weights and pivotally mounted on said support a second identical beam of the same period pivotally mounted on said support, a relay having a winding, and an armature carried by one of said beams, means for making and breaking a circuit through said winding comprising a stationary contact and a cooperating contact carried by a beam and means connecting the beams whereby tilting of one beam produces tilting of the other beam in the opposite direction.

2,387,589

CIRCUIT BREAKER

Fritz Kesselring, Berlin-Frohnau, Friedrich Gieffers, Berlin-Charlottenburg, and Werner Kaufmann, Berlin-Siemensstadt, Germany; vested in the Allen Property Custodian
Application July 18, 1938, Serial No. 219,932
In Germany July 19, 1937
9 Claims. (Cl. 200-150)

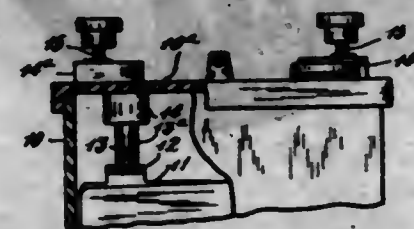


2. A heavy-duty circuit breaker, comprising a container, a given quantity of conductive extinguishing liquid disposed in said container and composed of materially over 60% up to about 80% multivalent alcohol with materially less than 40% and down to about 20% of water, and composite interrupting means for drawing an arc in said container and causing a fluid stream developed from said liquid to axially envelop and constrict said arc, said container arranged immediately surrounding said interrupting means being substantially closed so as to limit the amount of liquid operative during the switching operation to said quantity, said interrupting means including a partition dividing said container into a pressure chamber and a dis-

charge chamber and having an aperture connecting said chambers, a contact device forming two series-arranged arc gaps and arranged in said container, so as to have one of said gaps disposed within said pressure chamber and said other gap extending through said aperture, whereby the arc formed by said gap in said pressure chamber is caused to produce said fluid stream and to force it out of said aperture and axially around the arc of said other gap.

2,387,590

POST SEAL FOR BATTERY CONTAINERS
Herold L. Koenig, Maple Heights, Willard C. Billheimer, Euclid, and Howard T. Havlick, Erie-side, Ohio, assignors to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application May 13, 1943, Serial No. 486,820
8 Claims. (Cl. 136-168)



2. In a battery, a container at least part of which is formed from a thermoplastic resinous material, a terminal member of the battery extending into an opening in the plastic portion of the container, and a seal for said terminal member, said seal being formed from metal united when in a molten state with the terminal member and with the inner wall of the opening.

2,387,591

QUINOLINE SALTS AS INSECTICIDES

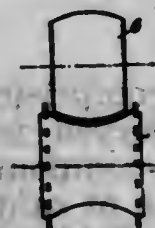
Emile Kolb, La Plaine Saint-Denis, France; vested in the Allen Property Custodian
No Drawing. Application March 10, 1942, Serial No. 434,148. In France April 12, 1941
9 Claims. (Cl. 167-33)

1. A composition for treating plant parts which includes a wetting agent, an adhesive agent and a composition containing an alkaline earth base and an acid salt of quinoline wherein oxygen is attached to a carbon atom of the quinoline nucleus.

2,387,592

FILM SCANNING DEVICE

Johannes Küffer, Berlin, Germany; vested in the Allen Property Custodian
Application June 20, 1939, Serial No. 280,094
In Germany June 27, 1938
2 Claims. (Cl. 178-7.6)



1. A film scanning device comprising a film gate, a scanning disc having a spiral of apertures, a light source for illuminating said apertures and a lens system for projecting subsequently the light penetrating said apertures upon said film gate, said film gate being adapted for keeping the passing part of the film slightly crooked across its length and being inclined to said film gate, the angle of said inclination being so chosen as to compensate the errors of reproduction caused by the curvature of said disc and by the keystone distortion.

2,387,593

ADHESIVE UNIT

Otto Lesser, Berlin, Germany; vested in the Allen Property Custodian
Application March 10, 1942, Serial No. 434,079½
In Germany June 26, 1940
4 Claims. (Cl. 117-68.5)

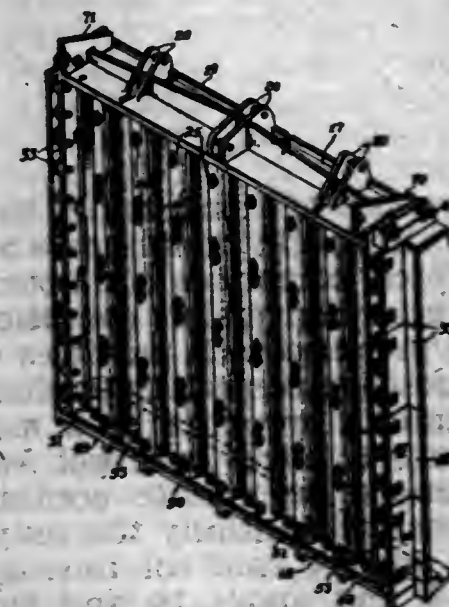


1. An adhesive unit comprising a flexible strip of non-adhesive material having adhesive areas on the opposite sides thereof, the adhesive areas being staggered on said opposite sides whereby the unit can be rolled up or a number of the units can be superimposed with the facing adhesive areas out of register so that they do not adhere to each other.

2,387,594

FURNACE DOOR

Levi S. Longenecker, Mount Lebanon, Pa.
Application May 13, 1942, Serial No. 442,873
11 Claims. (Cl. 110-173)

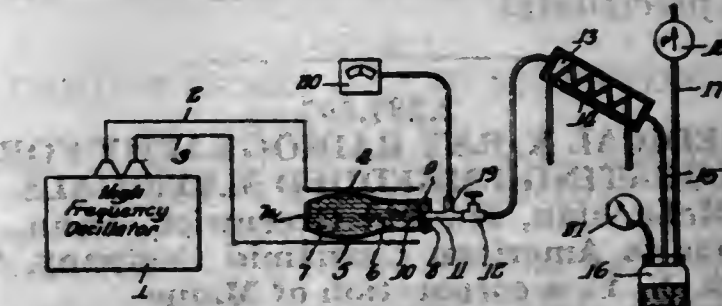


1. A furnace door comprising metal top and bottom members, a corrugated metal back member of substantially uniform thickness, with its ridges and furrows extending substantially at right angles to the top and bottom members, and having ventilating openings extending through the side portion of its ridges and furrows, a lining made up of refractory blocks, and lining anchoring means secured within furrows in the furnace side of the back member and anchored to at least some of such refractory blocks.

2,387,595

METHOD AND APPARATUS FOR DRYING LUMBER

Harold J. Luth and Sydney R. Krupnick, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application August 2, 1943, Serial No. 496,994
17 Claims. (Cl. 34-1)



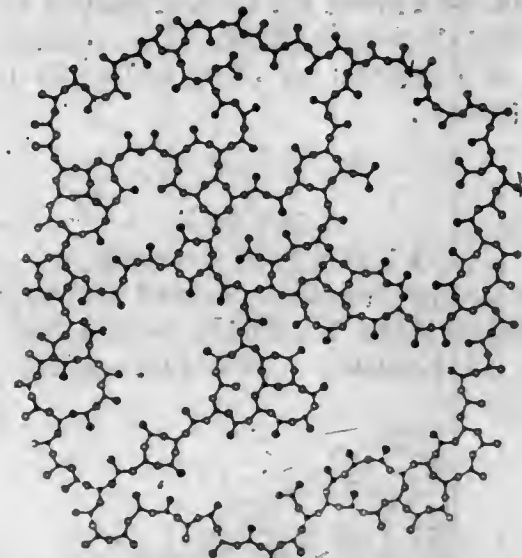
3. The method of drying a block of wood which includes encasing it in a snug-fitting flexible sheath of air-tight material, applying suction to

at least one end surface of the block which extends across the grain thereof, and simultaneously heating the block internally to expedite vaporization of the moisture therein.

2,387,596

CATALYTIC CONVERSION OF HYDROCARBONS AND CATALYST THEREFOR

Milton M. Marisc, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application July 22, 1943, Serial No. 495,674
2 Claims. (Cl. 196-52)



1. In a process of converting hydrocarbons by contact with a solid porous catalyst, the improvement which comprises contacting said hydrocarbons under conversion conditions of temperature and pressure with particles of a homogeneous composition consisting predominantly of silica and alumina prepared by a method comprising forming a clear hydrosol substantially free of gelatinous precipitate containing silica and alumina as substantially the only gel forming inorganic oxides, said sol having a pH between about 5 and about 10 and the inherent capacity to set to a firm hydrogel upon the passage of a suitable period of time without substantial change in chemical composition, gelling said sol in portions to form individual hydrogel particles having a smooth surfaces, retaining therein substantially all the components of said sol until gelation occurs, washing said hydrogel particles with water and drying the washed hydrogel, while substantially maintaining the form and structure assumed by the particles at the time of gelation, whereby the gel particles are reduced in size but otherwise not substantially affected as to form or internal structure but rather have smooth surfaces corresponding to those of the hydrogel particles and have high internal strength as compared with similar dried gel which has undergone fracture or shearing of the gel while in the hydrogel form; said composition having the characteristic glassy lustre and conchoidal fracture of a hydrogel from which the aqueous phase has been removed as contrasted with the grainy appearance and irregular grainy fracture of similar compositions containing gelatinous precipitates.

2,387,597

MEDICAL X-RAY RADIOGRAPHY FOR LOCATING EMBEDDED MATERIALS

Dan McLachlan, Jr., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application March 23, 1943, Serial No. 480,151
5 Claims. (Cl. 250-65)

1. The method of increasing the visibility of images obtained by roentgenographing foreign

body inclusions in specimens having portions of different roentgenographic opacity by obliterating one of the portions which comprises embedding the specimen in a material having approximately

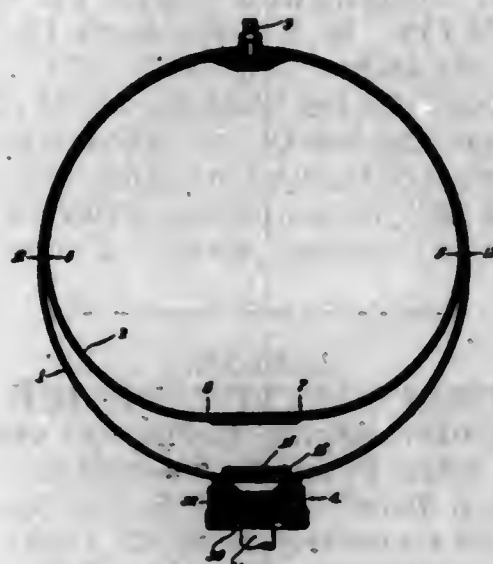


the same absorption coefficient as the portion of the specimen it is desired to obliterate and taking a roentgenograph of the specimen in the embedded condition.

2,387,598

OLEOPNEUMATIC STORAGE DEVICE

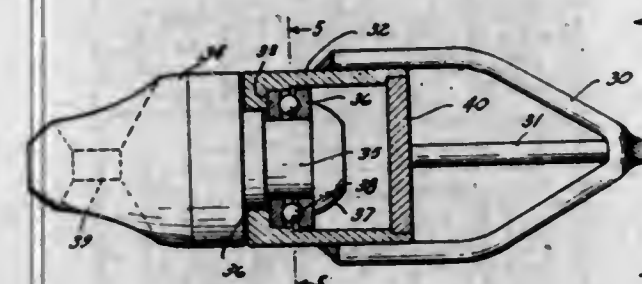
Jean Mercier, New York, N. Y.
Application March 17, 1942, Serial No. 435,111
4 Claims. (Cl. 222-389)



1. Storage device comprising a container having two smoothly curved portions opposite to each other, a rubber-compound bag in said container fastened to one of said portions, means to admit and exhaust a fluid to and from said bag, a passage for liquid in said container in the portion opposite to that where said bag is fastened, said bag being so dimensioned that, when inflated to the limit of its flexible expansion, it will contact a substantial portion of the wall of said container, and will, when further inflated, contact the wall of said container completely by elastic expansion, said bag being adapted, when being inflated, progressively to contact said wall of said container without causing a displacement of portions of said bag which are in contact with said wall.

2,387,599
SWIVEL

Cecil Miller and George W. Tippie, Pomona, Calif.
Original application January 11, 1943, Serial No. 471,990. Divided and this application November 8, 1943, Serial No. 509,429
1 Claim. (Cl. 287-91)

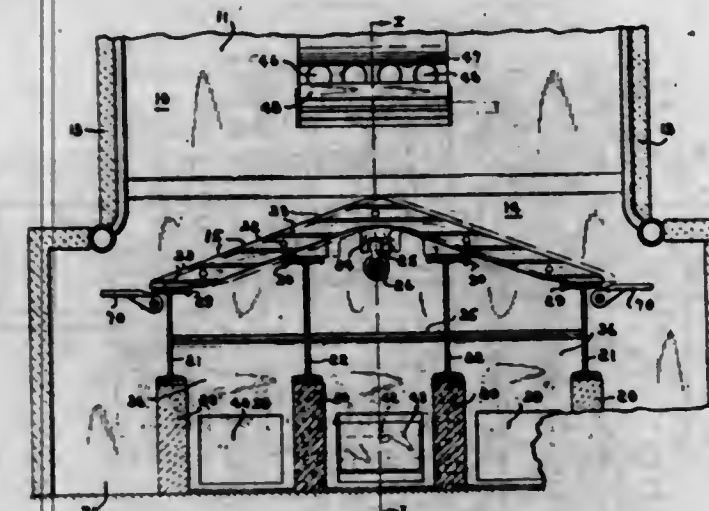


A swivel of the character described, which includes: a male member having a hub projecting therefrom and provided with a shoulder at its base and a shoulder on its outer end; a female member receiving said hub and provided with a shoulder at its outer end which surrounds the inner shoulder of said hub; and an annular ball bearing mounted on said hub between its two shoulders with its opposite faces bearing on the outer shoulder of the hub and the outer shoulder of the female member respectively.

2,387,600

COMBUSTION APPARATUS

Donald J. Mosshart, Ardmore, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 21, 1942, Serial No. 435,647
5 Claims. (Cl. 110-38)

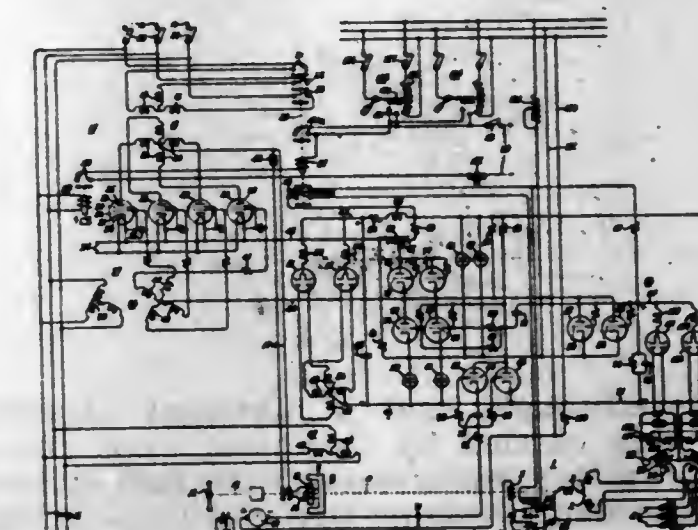


1. A furnace having front, rear and side walls; a stoker disposed in the lower portion of said furnace and comprising a row of transversely-disposed grate bars, which row extends from front to rear of the furnace and comprises a plurality of reciprocating bars interspersed among a plurality of stationary bars and provides a fuel-supporting surface of inverted-V shape in transverse section having a central portion adjacent the apex of the inverted-V flanked by two side portions at the legs of the inverted-V; means for feeding coal through the furnace front wall a material distance above the fuel-supporting surface and spreading it over the central portion thereof from front to rear of the furnace; and means for imparting transverse reciprocating motion to the reciprocating bars to feed the coal from said central portion laterally in opposite directions over the side portions.

2,387,601

ELECTRIC CONTROL SYSTEM

Elmo E. Moyer, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application May 2, 1942, Serial No. 441,450
17 Claims. (Cl. 172-284)



1. In combination, an alternating current circuit, an alternating current synchronous motor including armature and field windings, starting means for said synchronous motor comprising means for connecting said armature winding to said alternating current circuit, means responsive to the speed of said synchronous motor for effecting the energization of said field winding when the speed of said motor attains a predetermined value, means driven by said motor and comprising a magnetic clutch including a control winding, a load device driven by said clutch, a second alternating current circuit, means connected between said second alternating current circuit and said control winding and including a plurality of electric valve means each having a control member for controlling the current conducted thereby, means energized from said second alternating current circuit for energizing a direct current control circuit, a pair of serially connected electric discharge devices connected to be energized from said direct current circuit and each comprising a grid, means for connecting said discharge devices to the control members, means connected to the grid of one of said discharge devices for controlling the conductivity thereof in response to the speed of said load device, means connected to the grid of the other discharge device for controlling the conductivity thereof to cause said plurality of electric valve means to operate as an inverter to transmit energy from said control winding to said second alternating current circuit when the last mentioned means dictates a reduction in speed of said load device, and current limit means responsive to the armature current of said motor for controlling said one electric discharge device and to limit its range of operation when the armature current tends to exceed a predetermined value.

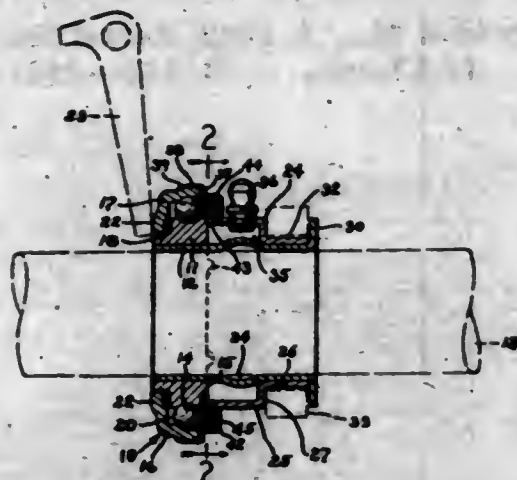
2,387,602

THRUST BEARING AND MOUNTING THEREFOR

William T. Murden, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 16, 1942, Serial No. 434,927
5 Claims. (Cl. 308-187)

1. In a device of the character indicated, an antifriction bearing having a pair of annularly spaced inner and outer race rings, a tubular member projecting from said inner race ring, a sleeve

mounted on the tubular member and having a cylindrical portion annularly spaced about the tubular member adjacent to said inner race ring, said cylindrical portion having a lubricant pas-

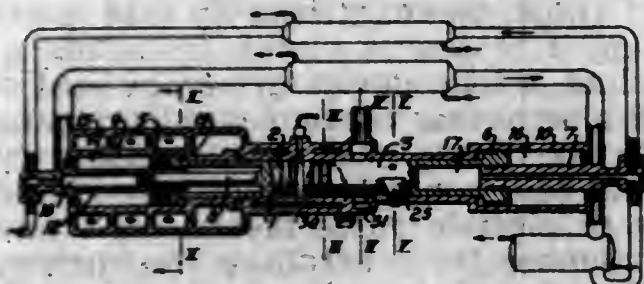


sage therethrough, and a lubricant absorbing sealing ring carried by the outer race ring in rotatable sealing engagement with said cylindrical portion and overlying one end of said lubricant passage.

2,387,603

FREE PISTON MOTOR COMPRESSOR

Franz Neugebauer, Munich-Allach, and Ludwig Wagensell, Munich-Obermenzing, Germany; vested in the Alien Property Custodian
Application November 12, 1941, Serial No. 418,665
In Germany October 22, 1940
4 Claims. (Cl. 123-46)



1. In a free piston, internal combustion engine, multi-stage compressor, the combination of a cylinder; a pair of opposed driving pistons reciprocable in said cylinder; means for reciprocating said pistons; a pair of cylinders co-axial with and symmetrically disposed on opposite ends of said first cylinder; a compressor piston reciprocable in each cylinder of said pair, the compressor pistons being connected with the driving pistons, respectively, the cross-sectional area of one of said compression pistons being limited to a certain permissible maximum by the degree of compression to be produced by said piston, said piston having the permissible maximum cross-sectional area defined by a non-circular outline, and having major and minor axes larger and smaller respectively than the diameter of a circular outline defining an equal cross-sectional area; a mechanical gear connecting said compressor pistons to ensure synchronous action thereof, said gear being disposed parallel to and symmetrically about the common axis of the several cylinders, and connected to the said compression piston whose cross-sectional area is limited, at points on the major axis of said piston beyond the termini of said diameter.

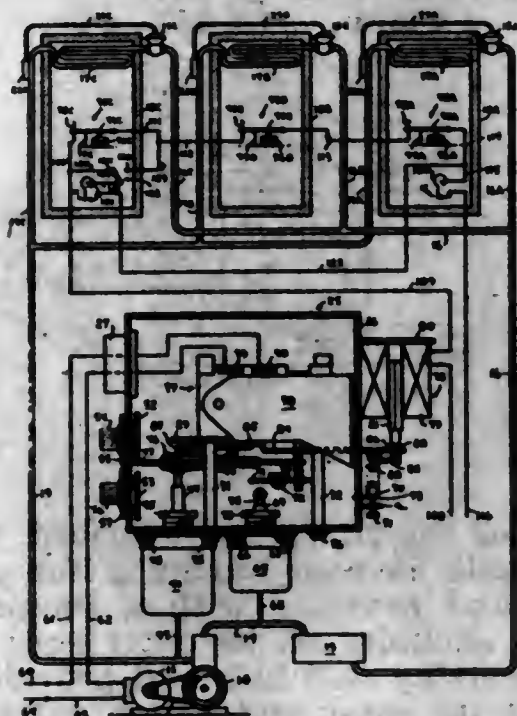
2,387,604

AUTOMATIC CONTROL SYSTEM

Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 28, 1941, Serial No. 395,561
17 Claims. (Cl. 62-4)

1. In apparatus of the character described, in combination, an automatic control device com-

prising a movable element, pressure operable means for actuating said element, means resisting movement of said element, and space temperature responsive means associated with said resisting means for varying the resistance offered to

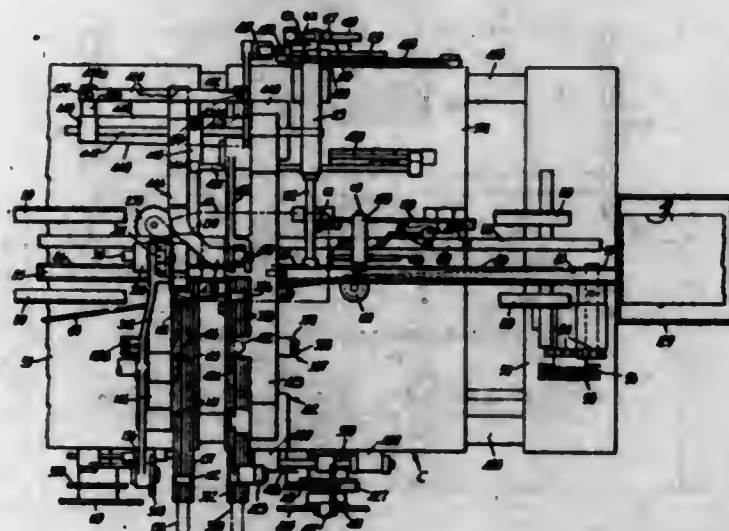


movement of said element, said space temperature responsive means comprising an electromagnetic device associated with said element and means for proportionately varying the energization of said device in accordance with temperature changes.

2,387,605

ENVELOPE FASTENER MACHINE

Abraham Novick, Flushing, N. Y., assignor to F. L. Smithe Machine Co., Inc., New York, N. Y., a corporation of New York
Application August 2, 1940, Serial No. 349,960
33 Claims. (Cl. 93-61)

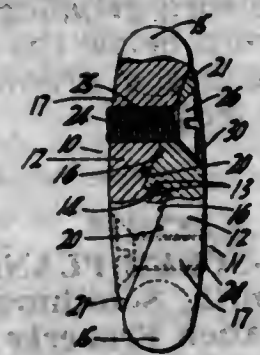


1. A machine for attaching button fasteners to envelopes, comprising a continuous conveyor; means for supplying envelopes with open flaps downward and in trailing position successively and in timed relation to the conveyor; means for arresting the envelopes successively and in timed relation at a fastener applying station; means at said station for applying a button and string fastener member to the lower face of the envelope flap including button supply means, eyelet supply means, and string supply means located below the conveyor, and eyelet upsetting means located above the conveyor; and means at said station for simultaneously applying a button fastener member to the top face of the envelope back, including an anvil, means for inserting the anvil in the envelope body, and button and eyelet supplying and applying means located above the conveyor.

2,387,606

JOINER LINK

Humphrey F. Parker, Kenmore, N. Y., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York
Application November 23, 1942, Serial No. 466,538
1 Claim. (Cl. 59-85)

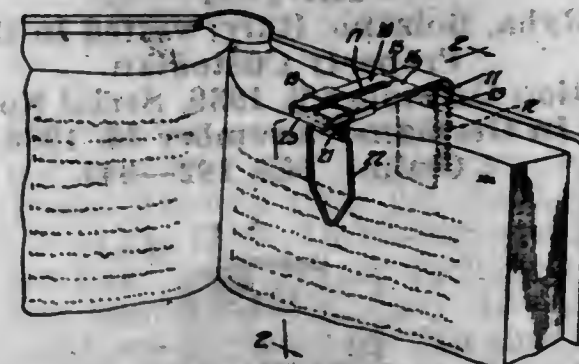


A joiner link, comprising two oppositely arranged, superimposed sections, each section having a one-piece end portion disposed at the longitudinal, closed end of the link and two leg portions extending outwardly therefrom and in the general direction of the longitudinal axis of the link, the leg portions of one section being arranged oppositely to the leg portions of the other section, each leg portion being formed with a relatively thick body part near the end portion and with an attenuated tip, a single abutment located substantially intermediately each tip and adjacent body part, each of said leg portions being formed with only two substantially flat offset surfaces, one of said surfaces joining said tip with said abutment, and the other surface joining the abutment with the body part, each of said abutments forming an angle with the joining flat surfaces, and oppositely arranged fastening means spaced from and at opposite sides of each abutment to secure the sections against lateral separation, each of said fastening means passing through and seating in the attenuated tip of one section and engaged with the body part of the opposite section.

2,387,607

BOOKMARK

Alex Pascoo, New York, N. Y.
Application November 16, 1943, Serial No. 510,455
3 Claims. (Cl. 116-119)



1. A bookmark comprising a clamp, a rigid arm connected to and extending substantially at right angle to said clamp, an extension member slidably mounted on said arm, a carrier slidably mounted on said extension member, and a marker hingedly connected to said carrier.

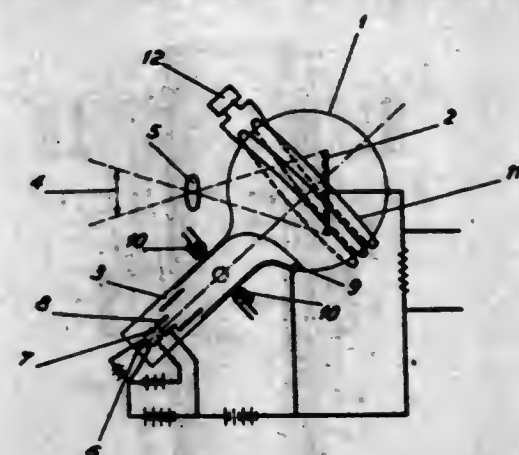
2,387,608

ELECTRONIC SCANNING DEVICE FOR TELEVISION

André Paul Paumier, Sceaux, France; vested in the Alien Property Custodian
Application May 6, 1939, Serial No. 272,073
In France May 12, 1938
9 Claims. (Cl. 250-153)

1. A television transmitting tube comprising a mosaic screen formed by a conducting collecting

surface, a mosaic of photo-electric elements, an insulating plate separating the latter from said surface, an electron gun, and deflecting means for scanning said screen by the electron beam, means for creating inside the transmitting tube a magnetic field of small intensity relatively to

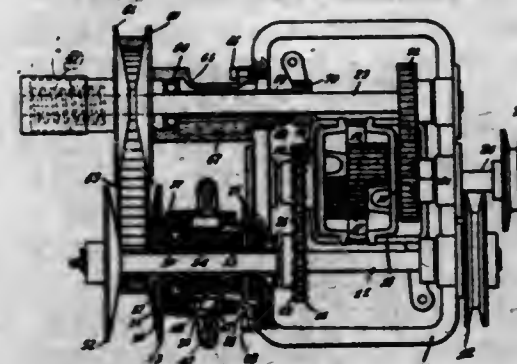


the other fields existing in the tube, the direction of which is substantially parallel with the electron beam and is inclined relatively to said screen, whereby parasitic modulation of the image projected on said mosaic screen is prevented.

2,387,609

VARIABLE-SPEED UNIT

Paul B. Reeves, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ohio, a corporation of Indiana
Application September 13, 1943, Serial No. 502,140
6 Claims. (Cl. 74-230.17)



1. For use with a shaft and a pair of coned discs associated with said shaft, one of said discs being axially shiftable toward and away from its fellow, a threaded element concentric with said shaft and axially fixed with respect to the other of said discs, a member threadedly engaged with said element, means providing a positive axial connection between said member and said adjustable disc, said member being rotatable relative to said element to shift said adjustable disc positively in either axial direction relative to its fellow, and stop means carried by said element and positioned at axially spaced points in the path of means moving with said member to limit the degree of axial adjustment of said adjustable disc in both directions, at least one of said stop means being axially adjustable with respect to said element.

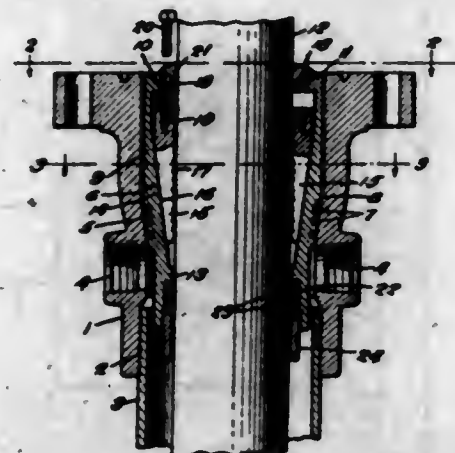
2,387,610

WELL CONTROL HEAD

Edmund J. Roach and Edward F. Cooke, Jr., Beaumont, Tex.
Application December 16, 1941, Serial No. 423,212
4 Claims. (Cl. 166-14)

1. In a casing control head for oil wells, a slip bowl unit comprising a slip bowl having an external seat for sealingly supporting said slip bowl within a casing head, said slip bowl having a bore therethrough for the passage of an inner

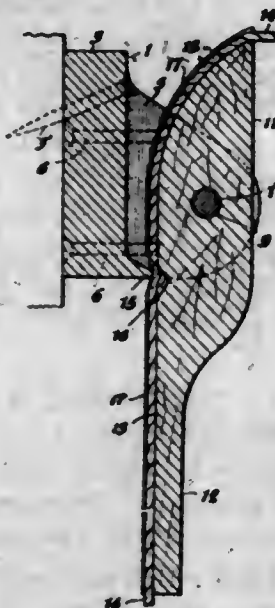
pipe, the intermediate portion of said bore being expanded to form a slip chamber bounded at the top and bottom by inwardly extending slip retaining flanges, the side wall of said slip chamber being downwardly convergent forming a slip seat, a plurality of slips within said slip chamber circumferentially displaced, means located above



the zone of said external seat for releasably suspending said slips from said top flange in which suspended position said slips permit relative up and down movement between the inner pipe and to said slip bowl unit, said slips when released engaging said convergent wall for chocking the inner pipe against downward movement.

2,387,611 CORD CLAMP

Karl E. Rogers, Niagara Falls, N. Y.
Application September 30, 1943, Serial No. 504,347
2 Claims. (Cl. 24-133)

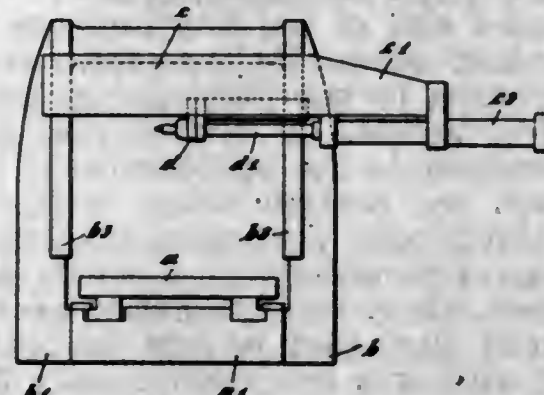


1. A self-locking card clamp comprising two relatively pivoted members, one of such members comprising a base having spaced vertically extending flanges projecting from one surface thereof, the other of the members comprising a clamping member located between the two flanges and mounted thereon for pivotal movement in a vertical plane parallel to the flanges, the clamping member being provided with arms above and below the pivotal axis, the lower arm being appreciably longer than the upper arm, the surfaces of both the upper and lower arms confronting the base being provided with a V-shaped groove extending longitudinally thereof to receive a cord, means for gripping the cord between the clamping member and the base, said gripping means comprising a smoothly rounded smooth surfaced projection located on one of the two relatively pivoted members a short distance below the pivotal axis of the two members compared to the length of the upper arm of the clamping member, and an approximately correspondingly shaped recess located on the other

movable member in confronting relation to the projection, the lower arm of the clamping member below the cooperating card gripping means being of a length appreciably longer than that of the upper arm and extending substantially vertically below the pivotal axis, the grooved surface of the lower arm extending substantially vertically below the cord gripping means, whereby the end of the cord below the gripping means substantially contacts the groove on the lower arm throughout its length.

2,387,612 HIGH-SPEED PLANER

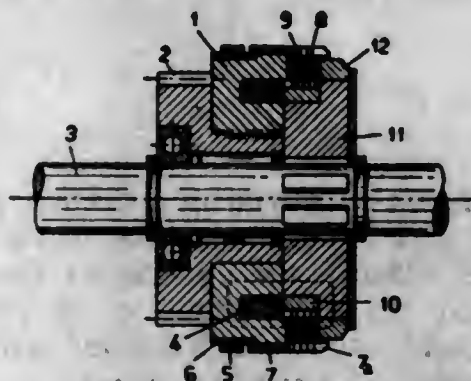
Wolfgang Rossmann, Solothurn, Switzerland; vested in the Alien Property Custodian
Application June 19, 1942, Serial No. 447,690
In Germany June 21, 1941
1 Claim. (Cl. 90-38)



In a high-speed planer, a rigid frame comprising a base, a pair of pillars at opposite sides of the base, and a top brace connecting the upper ends of the pillars, a work-table reciprocally mounted on the base, a tool-carrier mounted on the pillars for vertical adjustment relatively to the work-table, and a planing tool including a hydraulic cylinder carried by the tool-carrier, a piston reciprocable in said cylinder, a piston rod, and a cutting member carried by the piston rod, said piston rod and cutting member being guided in their movements on the tool carrier.

2,387,613 ELECTROMAGNETIC MULTIPLE-DISK CLUTCH

Anton Ryba, Bolzano, Italy; vested in the Alien Property Custodian
Application December 9, 1939, Serial No. 308,479
In Germany November 24, 1936
1 Claim. (Cl. 192-84)



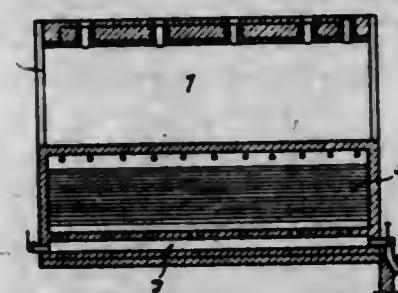
An electromagnetic multiple-disk clutch, a pair of rotary clutch members, an electromagnet including an annular exciting winding on one of said clutch members, a sleeve made of ferro-magnetic material forming part of the other clutch member, a splined sleeve made of non-magnetic material secured to said ferro-magnetic sleeve approximately opposite to said exciting winding, an outer set of thin, elastic disks made of tempered ferro-magnetic material, teeth on the outer perimeter of each disk in the outer

set for connecting such disks to the clutch member with the electromagnet, an inner set of thin, elastic disks made of tempered ferro-magnetic material, the disks of the inner set alternating with the disks of the outer set, and teeth on the inner perimeter of each disk in the inner set for operatively connecting them to said non-magnetic splined sleeve, said disks of said inner set and said outer set leaving air-gaps between two adjacent disks when demagnetized and adapted to bear against each other by yielding in response to the increasing axial pressure of the magnetic force due to their elasticity, thus substantially eliminating said air-gaps, an armature mounted to slide axially on said ferro-magnetic sleeve approximately opposite to said disks and means for limiting the sliding movement of said armature away from said disks.

2,387,614
ELECTRICAL CONTACT ELEMENT
Robert H. Savage, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application December 22, 1943, Serial No. 515,300
8 Claims. (Cl. 171-325)

1. An electric contact element formed of a mixture of a carbonaceous material, and finely divided boron carbide substantially all passable through a 600 mesh having the characteristics of a pressed and fired mixture of this type.

2,387,615
COKE OVEN
Josef Schäfer, Dortmund, Germany; vested in the Alien Property Custodian
Application February 26, 1940, Serial No. 320,951
In Germany March 13, 1939
8 Claims. (Cl. 202-135)

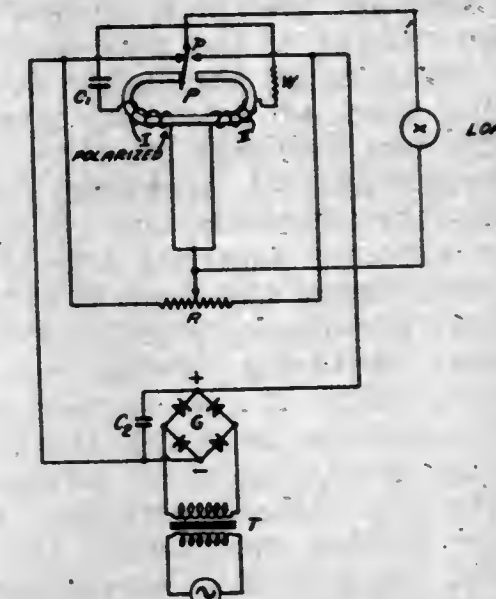


1. In a coke oven operable with dilution of the heating gas by waste gas the combination of coking chambers, heating flues for the same, waste gas flues, fuel gas inlets from said waste gas flues to said heating flues, means including injection nozzles for supplying rich gas to said inlets through said waste gas flues for supplying substantially the whole proportion of diluting waste gas to said inlets by injector action of the rich gas nozzles.

2,387,616
SELF-INTERRUPTER
Gerhard Schmidt, Berlin, Germany; vested in the Alien Property Custodian
Application April 9, 1941, Serial No. 387,673
In Germany March 14, 1940
2 Claims. (Cl. 175-373)

1. A relay circuit comprising a polarized relay having opposed contacts and an energizing circuit thereof consisting of an alternating current source, rectifying means energized thereby and circuit connections from the rectifier means including a filter device effective only partially to smooth the ripple in the rectified current from

said source, opposite polarity leads from the rectifying means to the relay contacts, an output circuit connected to the relay armature, a voltage divider connected to the opposite polarity leads and parallel connections from the voltage divider



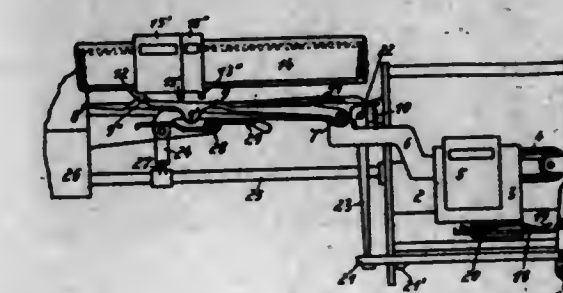
to the relay armature having in series therein a relay coil and a condenser and a relay coil and a resistance, respectively, whereby the voltage peaks of the rectified current furnish an added initial charge to the condenser to stabilize operation of the relay.

2,387,617 PRODUCTION OF CYCLIC OXYGEN COMPOUNDS

Willi Schmidt and Karl Seydel, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian
No Drawing. Application April 19, 1940, Serial No. 330,476. In Germany May 4, 1939
10 Claims. (Cl. 260-586)

1. A process for the production of cyclic oxygen compounds which consists in heating in the absence of added free hydrogen allycyclic mono amino compounds, containing six-membered carbocyclic rings, the rings being free from substituents other than those containing exclusively carbon and hydrogen atoms, in the presence of an excess of a hydroxyl-containing compound selected from the group consisting of water and alcohols and in the presence of a hydrogenation catalyst.

2,387,618
CALCULATING TYPEWRITER
Hugo Schüler and Hans Grüttner, Chemnitz, and Erich Dronigke, Sommerda, Germany; vested in the Alien Property Custodian
Application October 8, 1938, Serial No. 234,006
In Germany October 5, 1937
7 Claims. (Cl. 235-59)



1. In a typewriting-accounting machine of the class described, having a frame, and a traveling carriage; a column totalizer mounted on the carriage; and a cross footer totalizer shiftably

mounted on the frame; the combination with a pick-up beam to releasably connect the column and cross footer totalizers to enable the column totalizer, as it approaches its calculating zone, to simultaneously advance the cross footer totalizer from its home position; means to restore the cross footer totalizer and pick-up beam to home position upon release of the pick-up beam from the column totalizer as the latter escapes past the calculating zone; an actuating means; and a locking mechanism normally effective to lock the actuating means against operation; of a connection capable of extension and contraction, to couple the crossfooter totalizer and the locking mechanism, and under the control of the cross-footer totalizer; and means inferior to the cross-footer totalizer restoring means to maintain frictional engagement of the connection in any of its relative positions, to enable the crossfooter totalizer, at the beginning of its advance simultaneously with the column totalizer, to render ineffective the locking mechanism through operation of said connection in one direction, and at the beginning of the return of the crossfooter totalizer toward home position, to restore the locking mechanism to its effective position.

2,387,619

PRODUCTION OF SYNTHETIC TANNING MATERIAL

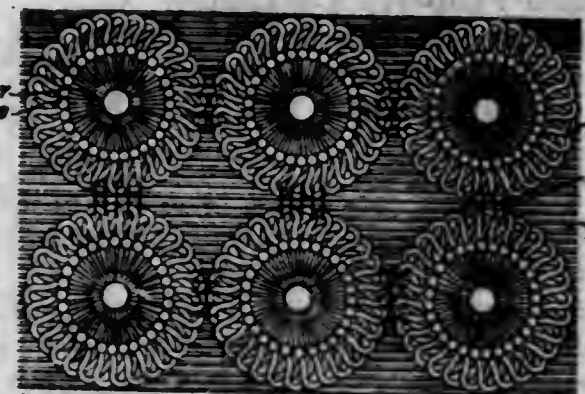
J. Seidel, Oybin near Zittau, and Helmut Weber, Grottau, Sudetenland, Germany; vested in the Allen Property Custodian

No Drawing. Application April 8, 1941, Serial No. 387,452. In Germany March 25, 1939
5 Claims. (Cl. 260-9)

3. In a method of producing synthetic liquid products suitable as water soluble tanning materials, the steps which comprise adding to waste liquor of sulfite cellulose, an acid which will form soluble calcium compounds therewith, the ratio of said sulfite cellulose waste liquor to acid being 20 to 1, adding a compound selected from the group consisting of phenol, cresols, naphthols, oxypyridines, thiophenols and quinones, adding a carbohydrate of the group consisting of starch and dextrin and then reacting said mixture with a compound selected from the group consisting of aldehydes and ketones.

2,387,620
FABRIC

Rose D. Shank, Newark, N. J.
Application August 3, 1944, Serial No. 547,922
5 Claims. (Cl. 28-78)



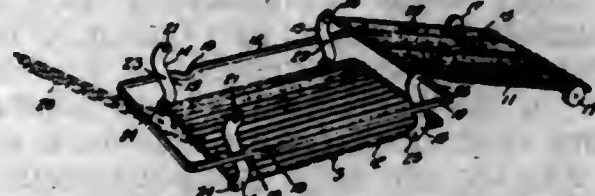
1. A fabric comprising a multiplicity of medallions, yarn joining said medallions one to another according to a pattern, said medallions comprising a stiff annular disc, yarn annularly covering said disc and yarn crocheted into and around said first mentioned yarn.

2,387,621

ROTATABLE BROILING APPARATUS

William H. Stangle, deceased, late of Evansville, Ind., by Citizens Trust & Savings Bank, administrator, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application May 20, 1943, Serial No. 487,733
11 Claims. (Cl. 99-397)



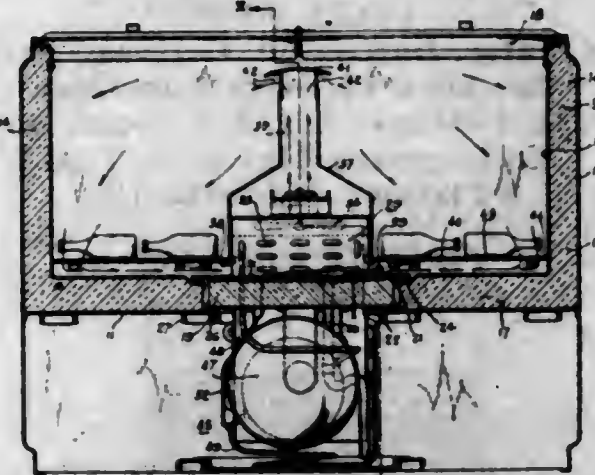
1. In a broiling grill, a supporting member, a stub shaft projecting outwardly from one end of said supporting member, a pair of grids pivotally mounted in adjustable spaced parallel relation on opposite sides of said supporting member equidistant from the longitudinal axis of said shaft, and fastening mechanism associated with said grids for holding said grids in adjustable spaced relation with each grid equidistant from the longitudinal axis of said shaft for any one adjustment of the spacing of said grids.

2,387,622

REFRIGERATION APPARATUS

Elo C. Tanner, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 8, 1943, Serial No. 478,341
3 Claims. (Cl. 62-102)



2. In a refrigerator, the combination of a cabinet having an insulated top, bottom, and side walls, a portion of said bottom wall being removable, a condensing unit suspended beneath and supported from said removable wall portion, an evaporator and a fan located one above the other, both said evaporator and fan being located in the bottom portion of the cabinet immediately adjacent to the removable wall portion and supported thereon, said evaporator, fan, condensing unit, and removable wall portion being removable from the cabinet as a single structure entity, and a vertical air duct encompassing the evaporator and fan and extending upwardly to adjacent the top wall of the cabinet, one end of said duct constituting an air inlet and the other end constituting an air outlet, said duct being separately removable from the cabinet.

2,387,623

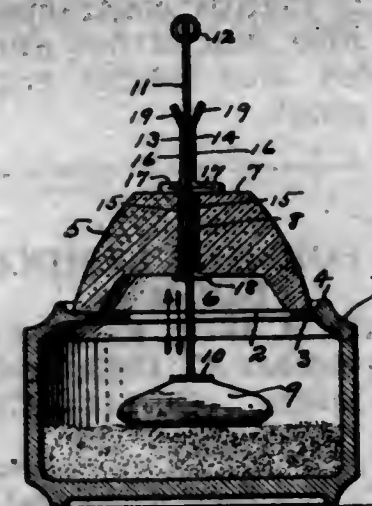
SANITARY SUGAR BOWL AND EXTRACTOR

George Tillman, Kingsville, Tex.

Application May 3, 1944, Serial No. 533,993
8 Claims. (Cl. 65-59)

5. A sugar bowl having an opening, a removable lid for closing the opening, a dipper having

a shank extending through and slidably mounted in the lid, and gripper means comprising a pair of relatively movable clamping members for en-



gagement with the shank therebetween in any of its positions of adjustment relative to clamp the shank to the lid.

2,387,624

COPOLYMERIZATION OF METHYL CYCLOPENTADIENE AND CYCLOPENTADIENE

Samuel G. Trepp, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania

No Drawing. Application March 25, 1943, Serial No. 480,536
10 Claims. (Cl. 260-92.6)

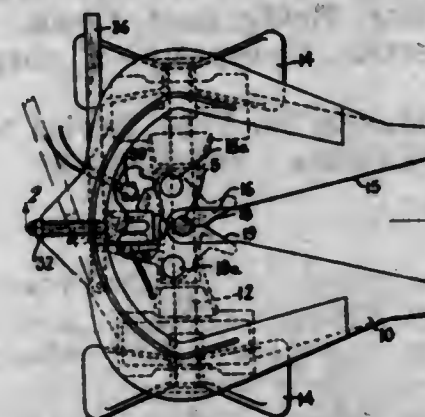
1. A copolymer of methyl cyclopentadiene and cyclopentadiene.

2,387,625

FIFTH WHEEL CONSTRUCTION

George Walther, near Dayton, and Elmer L. Miller, Dayton, Ohio, assignors to The Dayton Steel Foundry Company, Dayton, Ohio, a corporation of Ohio

Application August 3, 1943, Serial No. 497,248
6 Claims. (Cl. 177-311)



1. In a fifth wheel construction, a kingpin, a pair of movable coupling jaws adapted to be spread apart by the kingpin as it is withdrawn from the jaws and to close about the kingpin when the coupling is fully made, an alarm device, and an electric switch connected to the alarm device located in the path of one of said jaws and directly actuated thereby.

2,387,626

LIQUID COATING COMPOSITIONS, COATED OBJECTS, AND PROCESSES FOR MAKING SAME

Alger L. Ward, Drexel Hill, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania

No Drawing. Application December 27, 1940, Serial No. 371,988
15 Claims. (Cl. 117-132)

8. A formed film-coated article shaped by deformation of a metallic body coated with a dried

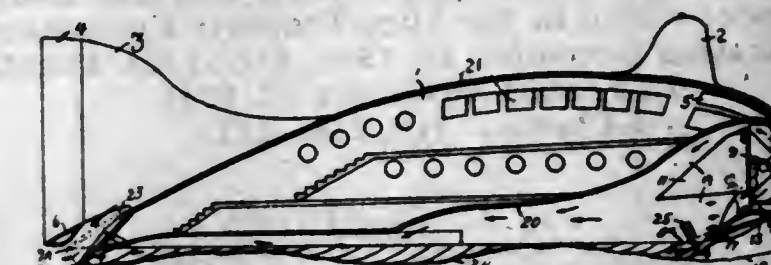
film of a composition comprising a wax-like material and a benzene-soluble resinous polymer of a material having as substantially the only resin-forming content thereof one of a group consisting of (a) cyclopentadiene and (b) cyclopentadiene admixed with up to 20% methyl cyclopentadiene, said formed film adhering tenaciously to the formed metal.

2,387,627

AIR ENTRAINMENT PROPULSION METHOD IN CRAFT SUPPORTED CHIEFLY BY AIR PRESSURE

Douglas K. Warner, Sarasota, Fla.

Application December 3, 1941, Serial No. 421,457
20 Claims. (Cl. 244-15)



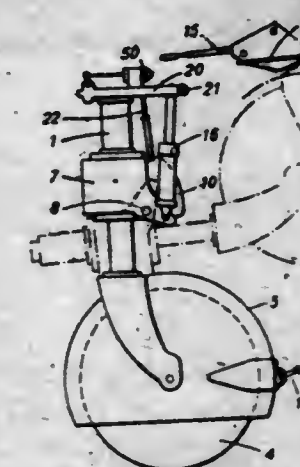
1. An aircraft formed with a pressure chamber beneath its floor, an engine and a compressor fan mounted in the nose of the craft, a diffusion passage or portion in said chamber shaped to reduce or transform the velocity energy of the fan into high pressure energy, an entrainment nozzle at the leading edge directed into the path of the fan-air stream, opening into the pressure chamber, whereby the said entrained air will be mixed with the said fan-air stream, and power added to it by the compressor, means for sealing the front, sides and rear of the pressure chamber, and the said pressure chamber discharging in a propulsion jet at the tail of the craft ejecting the compressed air of the pressure chamber, and discharging under the rear sealing means to re-transform the high pressure energy into high velocity energy, to entrain the air from over the roof and tail down into the said tail-jet, and to entrain water, sand or other surface matter into the rearward propulsive current.

2,387,628

RETRACTABLE TAIL LANDING GEAR FOR AIRCRAFT

Charles Raymond Wascige, Rueil, France; vested in the Allen Property Custodian

Application February 14, 1942, Serial No. 430,970
In France May 29, 1940
15 Claims. (Cl. 244-102)



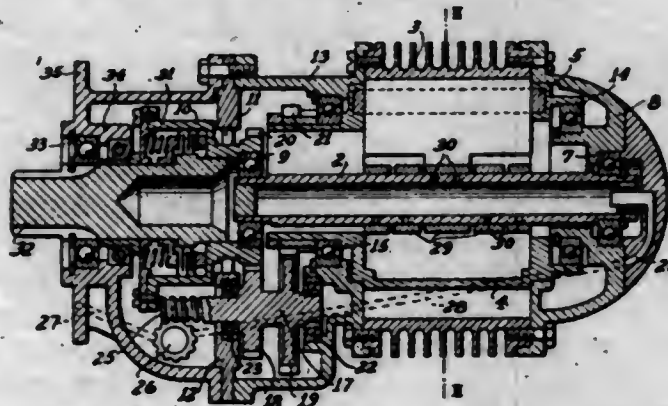
1. In a retractable tail landing gear for aircraft, including a ground engaging member, a supporting and shock absorbing frame carrying said member and mounted to be rockable from a depressed working position to an elevated retracted position, means for locking said frame

in its depressed position, said locking means comprising a bracket arranged to extend transversely with respect to said frame in the depressed position of the frame, and formed with a recess, said frame having a part adapted to be conformably received by said recess while the frame is in its depressed position, a locking member arranged to prevent said part from disengaging from said recess whereby to lock the frame in its depressed position, said locking member being movable from the locking position, and means for actuating said locking member.

2,387,629

ROTARY VANE PUMP

Charles Raymond Waseige, Saint-Etienne, Loire, France; vested in the Allen Property Custodian
Application December 30, 1942, Serial No. 470,629
In France November 12, 1941
5 Claims. (Cl. 230—157)

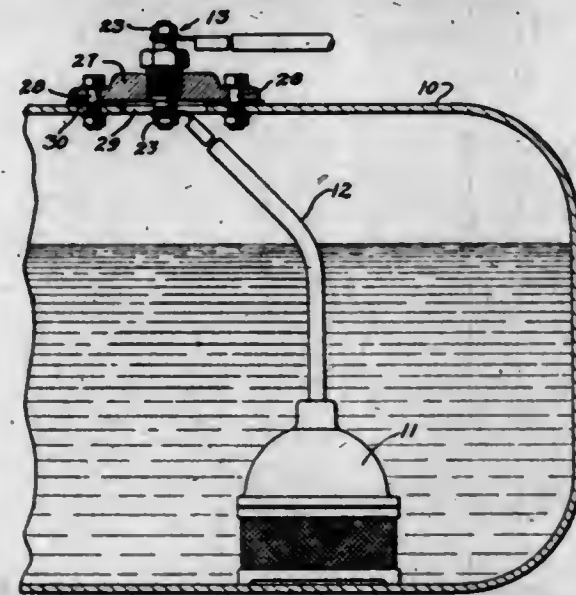


1. A rotary vane pump or compressor comprising a cylindrical barrel, a shaft co-axial with said barrel, radial vanes mounted on said shaft for free rotation about said shaft, a rotor eccentrically mounted in said barrel and engaging said vanes, a hollow rotatable member journaled in said barrel, a driving shaft co-axial with said first-mentioned shaft, said member having one end of each of said two shafts received therein, a driving connection between said driving shaft and said rotatable member and a driving connection between said rotatable member and said rotor.

2,387,630

SEALING CONNECTOR TERMINAL

John Frank Weakley, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application July 8, 1943, Serial No. 493,939
3 Claims. (Cl. 173—339)



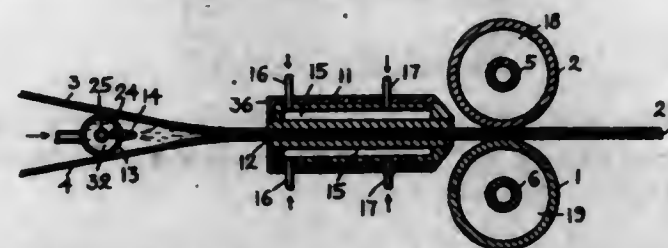
3. The combination with a receptacle wall having a threaded orifice, of a sealing terminal connector device comprising a thin walled sleeve of form sustaining material threaded into said orifice, a metal wire attaching shaft extending there-

through, and a bushing of resilient material closely fitting the space between said sleeve and shaft, the sleeve and orifice threads being tapered whereby said sleeve is slightly contracted by threading of said sleeve into said orifice and said bushing thereby squeezed into sealing engagement with said sleeve and shaft.

2,387,631

MEANS FOR FORMING LAMINATED SHEET BODIES

Francis M. Weir, Essex, Conn.
Application November 27, 1943, Serial No. 512,008
2 Claims. (Cl. 144—279)

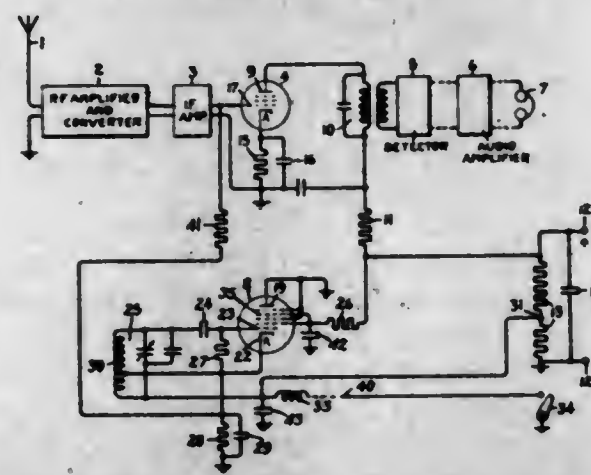


1. A device for forming a laminated body from sheets of a pliable material, comprising a heating member having a slot for the sheets, the slot being of a width to bring the sheets together; a tubular container supported at the rear of the heating member and spaced therefrom, the sheets being adapted to be moved above and below the tubular container prior to their entering the slot, nozzles on the tubular member, the tubular container being arranged to contain a cementitious substance for spraying into the converging space between the sheets; and rotary rolls in front of the heating member frictionally engaging the sheets from the opposite side for drawing the sheets through the slot in the heating member and means to cool the rolls thereby cooling the sheets.

2,387,632

HIGH-FREQUENCY RECEIVER

George G. Young, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application March 28, 1944, Serial No. 528,421
5 Claims. (Cl. 250—8)

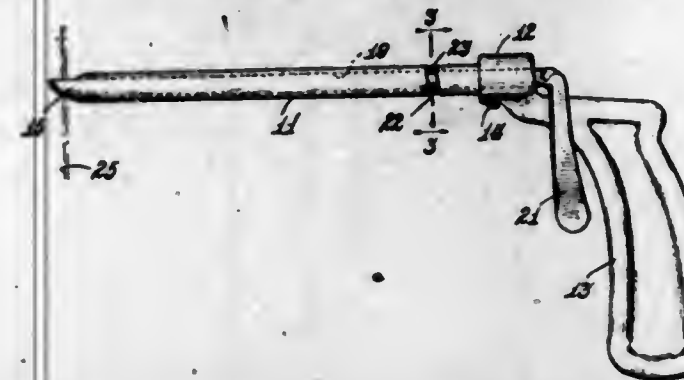


1. The combination, in a high frequency receiver constructed and arranged for both modulated continuous wave reception and for telegraphic continuous wave reception and having sensitivity sufficiently great during said telegraphic reception to produce undesired noise response, of a local oscillator, means to beat the oscillations produced by said local oscillator with received oscillations to produce a beat note during reception of telegraphic pulses, means to render said oscillator alternatively operative and inoperative in accord with the type of reception desired, and means responsive to operation of said local oscillator to reduce the sensitivity of said receiver thereby to reduce said noise response.

2,387,633

CUTTING IMPLEMENT

Ned Alpert, Milwaukee, Wis.
Application January 10, 1944, Serial No. 517,764
5 Claims. (Cl. 30—240)

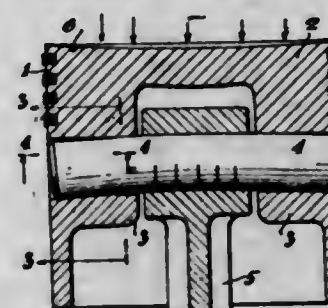


1. In a cutting implement of the character described, a tubular casing having a hand grip at one end, said hand grip extending at right angles to the tubular casing, a cutting tool integral with the other end of said tubular casing, a rod substantially co-extensive with and telescoped within said tubular casing, a cutting tool integral with one end of said rod to co-operate with the first mentioned cutting tool, a trigger element on the other end of said rod, a helical slot in the tubular casing, and a pin on said rod engageable in said slot, said pin and slot being jointly effective to prevent withdrawal of the rod and to cause relative longitudinal movement between said parts when said parts are rotated relative to each other.

2,387,634

PISTON CONNECTION

Russell G. Anderson, Bedford, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 24, 1944, Serial No. 519,450
3 Claims. (Cl. 309—19)



2. In a piston assembly, a piston comprising a head having a force receiving surface, spaced bosses disposed transversely of the piston below said head surface and a wrist pin fitted within said bosses, the central axis of each boss being at such an angle to the central axis of the pin fitted therein that the upper coextensive surfaces of pin and boss are in contact near the outer end of the pin surface and are otherwise separated by an arcuate wedge-like space of maximum thickness at the inner edge of the boss and of gradually decreasing thickness outwardly therefrom, whereby force applied to said head surface will increase the area of contact between said coextensive upper surfaces in a direction towards the inner edge of the boss.

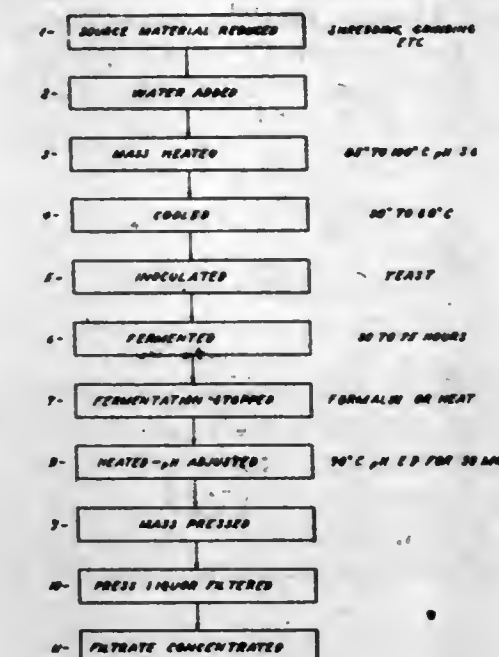
2,387,635

METHOD FOR THE PREPARATION OF PECTIN

Herbert S. Bailey, Ontario, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
Application February 24, 1945, Serial No. 579,573
3 Claims. (Cl. 195—2)

1. A process for the recovery of pectin from pectous source material comprising the steps of

adjusting the pH of the material to within a range of about pH 2.8 to pH 3.5, heating the pectous source material to about 90° C. for a time sufficient to inactivate enzymes and micro-organisms which may be present therein, cooling the material to about 37° C. to 40° C., adding to said material and growing therein a yeast,

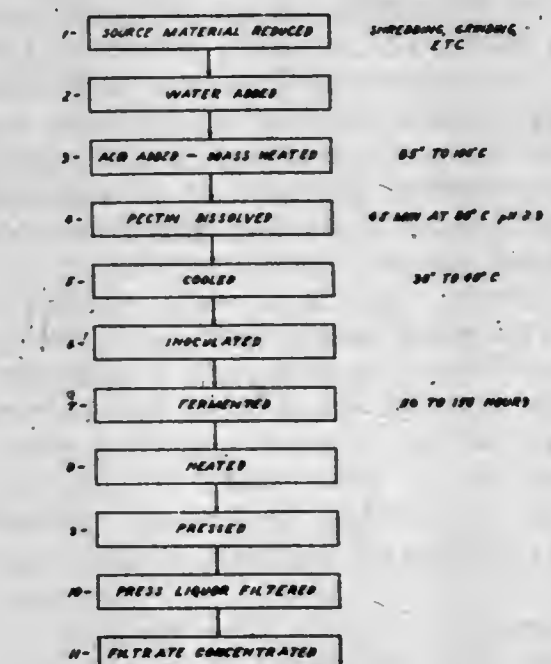


thereby breaking down the non-pectous carbohydrate substances therein contained, adjusting the pH of the fermented mass to about 2.9 and heating the mass for a time and at a temperature sufficient to solubilize a major proportion of the pectous substances therein contained, pressing from the mass pectin containing liquor and recovering pectin from the liquor.

2,387,636

METHOD FOR THE PREPARATION OF PECTIN

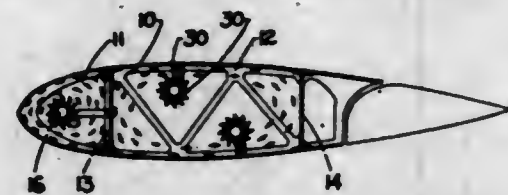
Herbert S. Bailey, Ontario, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
Application February 21, 1945, Serial No. 579,140
6 Claims. (Cl. 195—2)



5. A process for the preparation of pectin from pectous source material comprising adjusting the pH of the material to about 3.6, quickly heating the material to a temperature of about 100° C., adjusting the pH to about 2.9, maintaining the material at a temperature of between 80° C. and 85° C. for a time sufficient to convert pectous components of said source material into water-soluble pectin, cooling the slurry resulting from said treatment to about 40° C. and prior to the separation thereof growing yeast in said slurry

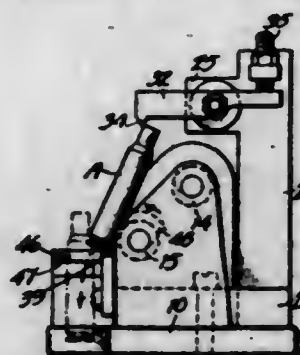
thereby breaking down the non-pectous carbohydrate substances in said slurry, and thereafter separating a liquor containing water-soluble pectin from the slurry.

2,387,637
ANTI-ICING DEVICE FOR AIRCRAFT
Lester Almon Bierly, Massillon, Ohio
Application December 17, 1942, Serial No. 469,303
5 Claims. (Cl. 244-134)



1. A device for preventing accumulation of ice upon a hollow aircraft part, said device comprising a pipe rotatably mounted within the part, air-impelling means mounted on the exterior of the pipe in heat-conductive relation thereto, and means for internally heating and for rotating the pipe.

2,387,638
GAUGING DEVICE
Edwin H. Birdsall, Golden, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application July 29, 1943, Serial No. 496,539
6 Claims. (Cl. 209-90)

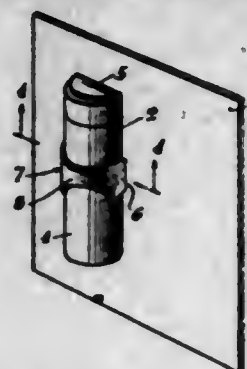


1. In a gauging device, article supporting means adapted to pivotally support an article to be gauged in inwardly inclined relation, cam means arranged to engage and swing said article outwardly upon said supporting means as a pivot beyond the vertical dead center line, gauge means disposed in relation to the arc of swinging movement of said article at a point inwardly of said vertical dead center line adapted to contact an article of more than a predetermined length to arrest its swinging movement whereby continued movement of said cam means is adapted to disengage said article from said supporting means to effect ejection in a given ejection path, an article unengaged by said gauge means adapted to continue its swinging movement whereby it is ejected in a different ejection path.

2,387,639
DISPLAY DEVICE
William Taylor Bouchelle, Scarsdale, N. Y., assignor to The Lord Baltimore Press, Baltimore, Md., a corporation of Maryland
Application January 20, 1943, Serial No. 473,033
5 Claims. (Cl. 206-80)

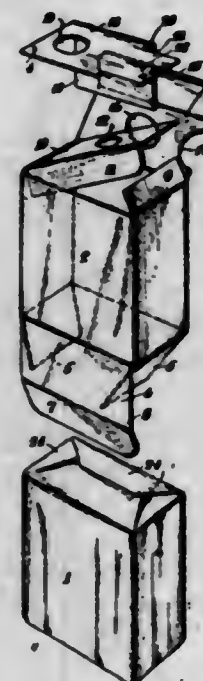
1. In a device of the class described, the combination of a member having a recess therein adapted to seat an article, an article seated in the recess, a holding band of sheet material extending about the article with its ends extending through the recess, an enlarged integral tab on

one of said ends having an integral part bent to extend beneath said member on one side and extending in substantially the same straight line to engage under the article on the other side,



whereby said article and said member cooperate to retain said integral part in its interlocking bent position, and means for securing the other end of the band in position.

2,387,640
DISPENSING CONTAINER
William Taylor Bouchelle, Scarsdale, N. Y., assignor to The Lord Baltimore Press, Baltimore, Md., a corporation of Maryland
Application January 20, 1943, Serial No. 473,034
6 Claims. (Cl. 222-561)

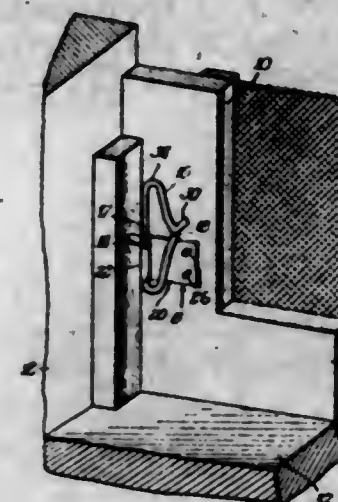


1. In a device of the class described, the combination of an inner container, an outer container having a plurality of flaps for closing an end thereof, two of said flaps having registering apertures therein to permit access to said inner container, an adhesive for adhering the portion of the inner container about the aperture to the inner apertured flap to facilitate perforating the inner container and to retain said perforation in alignment with said registering apertures and a member slidably mounted between said flaps for opening and closing said apertures.

2,387,641
FASTENER
George Brown, Chicago, Ill.
Application February 23, 1944, Serial No. 524,193
5 Claims. (Cl. 292-67)

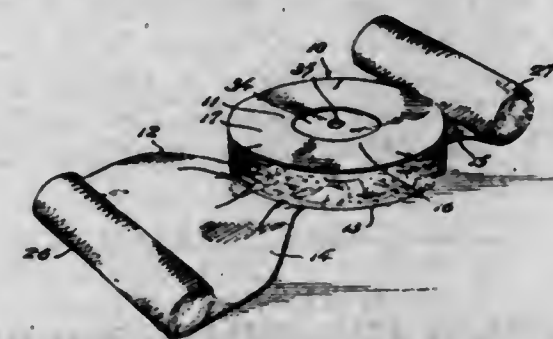
1. In combination, a plurality of adjacently disposed members, a fastening device therefor, comprising latch mechanism including a plurality of flexible elements hingedly and slidably connected together for relative movement with respect to one another, one of said elements having means for securing said device to one of said members, and another of said elements being

formed to embrace a keeper secured to the other of said members and having means operable upon sliding movement thereof relative to, said



first named element to engage said keeper for drawing said members into tight relation to one another.

2,387,642
HEMOSTAT AND METHOD OF FORMING SAME
Vernon Calhoun, Chicago, Ill.
Application March 25, 1942, Serial No. 436,218
8 Claims. (Cl. 128-156)

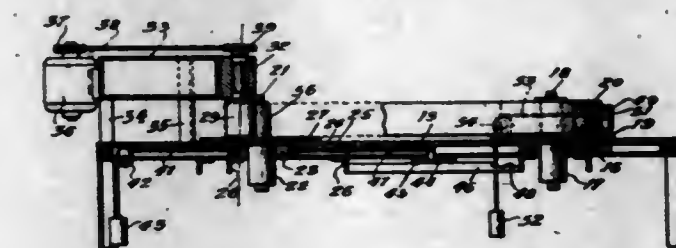


1. In the art of forming a hemostat, the method which consists in assembling a length of absorbent cotton with a facing of gauze on one side of the cotton, looping a length of bandage material transversely about one end of said length while leaving a portion of its looped end extending beyond the cotton, rolling the cotton with the cotton side inwardly into a spirally wrapped cylinder, spreading the looped end portion over the adjacent end of the cylinder to form a facing for the cylinder while leaving the ends of the bandage material free to form tying tails, and subjecting the cylinder to the action of a die-press to compress the cylinder axially into a flat disk-like form capable of maintaining its compressed form until wetted and expandible axially when wetted.

2,387,643
HECTOGRAPH BLANKET HAVING A COPY MASS COMPRISING A SILICATE
William J. Champion, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
No Drawing. Application August 4, 1941, Serial No. 405,407
1 Claim. (Cl. 117-35.6)

A hectograph blanket having a gelatinous copy mass comprising gelatin, glycerine, an alkali metal silicate, and an invert sugar, the silicate being present in from one-hundredth to one-third the amount by weight of gelatin, and the glycerine being present in from five to fifteen times the weight of gelatin.

2,387,644
REWINDING MECHANISM
Elmer W. Coffey, La Grange, Ill., assignor to H. P. Smith Paper Company, Chicago, Ill., a corporation of Illinois
Application August 23, 1944, Serial No. 550,705
9 Claims. (Cl. 242-66)



1. A machine for winding stock in web form upon a spool comprising a vertical spindle for the spool, a pair of driving rolls arranged to contact peripherally and rotate the stock upon the spool, means supporting the spindle for movement away from said driving rolls as the diameter of the rolled stock on the spool increases, and biasing means for said supporting means for retaining the roll of stock in uniform peripheral driven contact with said driving rolls.

2,387,645
GAUGING APPARATUS
Judson A. Cook, Bridgeport, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application January 5, 1944, Serial No. 517,047
3 Claims. (Cl. 33-174)

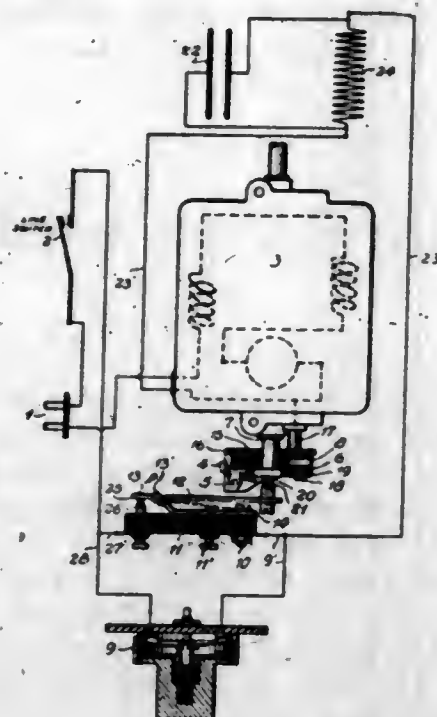


1. In a gauging apparatus, a mount having a transverse opening therethrough; anvil means having a transverse gauging opening, said anvil means having a supporting surface for engaging a part of an article to be gauged; and spaced pivot means carried by said mount and engaging said anvil means, said anvil being rotatable on said pivot means in accordance with the alignment of said article, the axis of said pivot means being located to pass through a predetermined gauging point in line with said supporting surface, thereby maintaining said point at a predetermined position.

2,387,646
ELECTRIC MOTOR PROTECTIVE SYSTEM
Loring Pickering Crosman, South Orange, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application June 3, 1943, Serial No. 489,522
6 Claims. (Cl. 172-288)

1. In an electric motor protective system, means for starting the motor, accelerating the speed thereof to normal and retaining the motor in operation notwithstanding subjection thereof to overload for short periods of time and for breaking the circuit should the motor become stalled, including a thermal responsive circuit controlling device, and a centrifugal circuit controlling device, both devices being in series circuit with the motor, said centrifugal circuit con-

trolling device including means for causing said thermal responsive device to be shunted upon acceleration of the speed of the motor to normal and for restoring said thermal responsive device

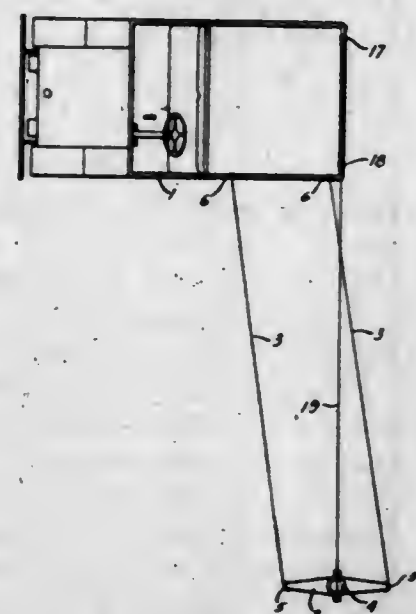


in series circuit with the motor and thereby permitting the motor circuit to be broken by said thermal responsive device should the motor become stalled.

2,387,647

ORIENTING INSTRUMENT

Loring Pickering Crosman, South Orange, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application June 16, 1943, Serial No. 491,259
7 Claims. (Cl. 33-224)

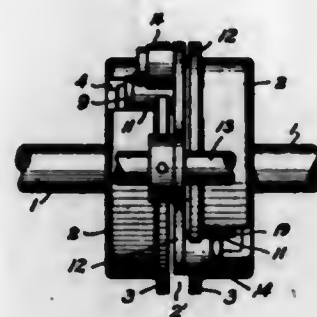


3. Means for orienting a vehicle provided with a magnetic compass having the usual compensator, comprising an elongated portable frame having mounted thereon centrally of its length a master magnetic compass and means adapted for connecting the opposite ends of said frame with certain spaced points of the vehicle to maintain in parallel relation the longitudinal axes of said frame and of said vehicle throughout a series of differently oriented positions given the vehicle, said means including flexible cables carried by and extending from the opposite ends of said frame and of length sufficient to locate the master compass of said frame outside the field of local disturbances to which the compass of said vehicle would be subject, means to verify said parallel relation and means to compensate for variations from the parallel relation of the longitudinal axes of said frame and of said vehicle.

2,387,648

CLUTCH

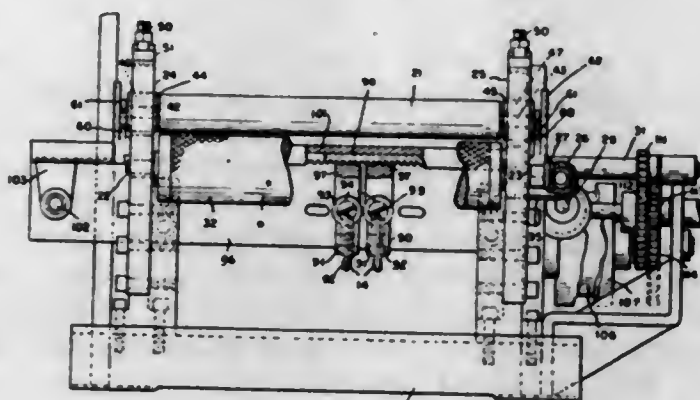
Loring Pickering Crosman, South Orange, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application October 2, 1943, Serial No. 504,765
7 Claims. (Cl. 192-48)



1. In a clutch, a drive shaft, two annular driven members loosely mounted thereon and provided each with a seat, a driving member fast upon said shaft and having coupling elements shiftable to engage a seat of and establish a driving connection with one or alternatively the other of said loose members in accord with the direction of the shift, and shiftable control means having locking elements contacting said coupling elements, one locking element of said control means engaging a seat of one of said loose members to lock the latter against rotation, and the other locking element simultaneously riding upon the outer periphery of and locking the driving connection with the other loose member during a cycle of rotation.

2,387,649

ATTACHMENT FOR SEWING MACHINES
Clarence J. Davies, Detroit, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware
Application August 2, 1943, Serial No. 497,068
15 Claims. (Cl. 112-118)

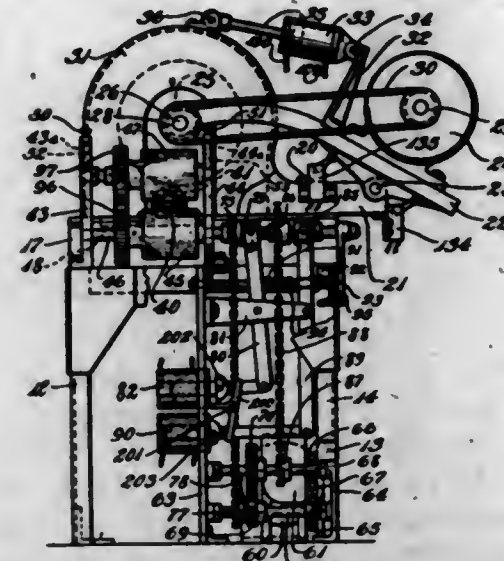


1. An attachment for a sewing machine having a vertically reciprocating threaded needle, comprising a drive shaft, means operable by said shaft for advancing material to be sewed in a given direction beneath said needle, a rotary cam operable by said shaft, operatively connected racks operable by said cam, pivotally mounted members having gear sectors operable by said racks, and spiked wheels carried by said pivotally mounted members and operable when the gear sectors are operated by said racks to move the material beneath said needle transversely back and forth relative to the given direction aforesaid so that said threaded needle will provide the material with zigzag stitching.

2,387,650

APPARATUS FOR CUTTING STRIP MATERIAL

Edward A. Davis, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application November 24, 1942, Serial No. 466,779
10 Claims. (Cl. 164-61)

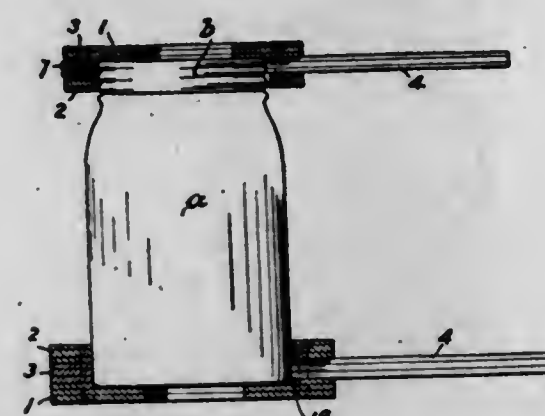


10. Apparatus for cutting strip material to length, said apparatus comprising a pair of feed rolls for feeding the strip, means for driving the feed rolls in one direction, a stop in the path of the strip, means responsive to contact of the strip with the stop for driving the feed rolls in the opposite direction to reverse the travel of said strip, means for stopping the strip during its reverse movement, means for then cutting the strip while it is at rest, means responsive to action of said cutting means for again feeding the strip, and means responsive to action of said cutting means for moving the stop from the path of the strip during the succeeding forward movement of the strip.

2,387,651

PRESERVING JAR OPENER AND CLOSER

Ulysses G. Densten, Quakertown, Pa.
Application January 27, 1944, Serial No. 519,881
1 Claim. (Cl. 81-344)

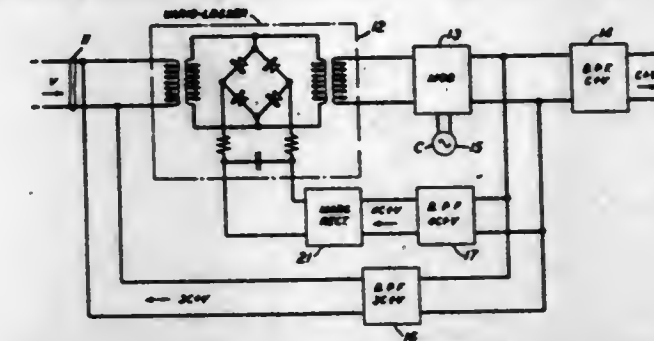


A hand tool made of the plywood and adapted for use in applying and removing the screw-type covers of preserving jars and comprising, a disk, a ring of substantially the same outside diameter as the disk and arranged in confronting relation thereto and spaced therefrom, a fillet in the form of a segment of the ring and mounted between the disk and the ring, and a pair of handles disposed diametrically opposite to the fillet and having one of their respective end portions eccentrically pivoted between the disk and ring and provided with a rounded portion constituting a clamping jaw.

2,387,652

SIGNAL TRANSMISSION SYSTEM

Alton C. Dickieson, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 1, 1942, Serial No. 460,389
7 Claims. (Cl. 178-44)

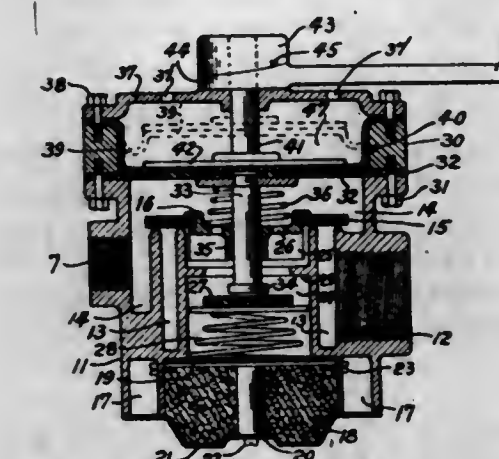


3. In a signal transmission system, the method of compressing the volume range of the signals transmitted thereover which comprises the steps of passing the signal currents through a vario-losser device once and controlling the amount of loss introduced by said vario-losser in said signal currents passing therethrough in accordance with currents the amplitude of which has been compressed by passing through said vario-losser twice.

2,387,653

CONTROL VALVE

Gordon R. Elliott, Ferndale, Mich., assignor to Velvac Incorporated, Detroit, Mich.
Application August 5, 1943, Serial No. 497,508
9 Claims. (Cl. 303-54)



1. A control valve comprising a housing having a brake control air and vacuum outlet chamber, an air chamber and a vacuum chamber adapted for alternate communication with said outlet chamber, valve means for effecting said alternate communications, a moveable diaphragm disposed through said housing and joined to said valve means, and manually operable means including a second diaphragm in said housing for creating a vacuum between said diaphragms governing movements of the latter for establishing communication between said vacuum and outlet chambers, and for eliminating said vacuum for establishing said communication between said air and outlet chambers.

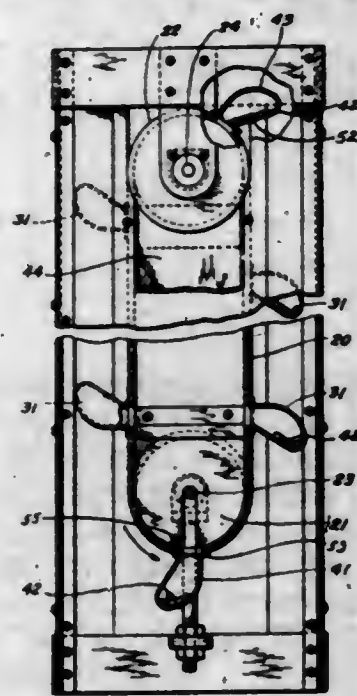
2,387,654

AMMUNITION MACHINERY

Earl W. Gardner and William F. Nickum, Salt Lake City, Utah, assignors to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application December 27, 1943, Serial No. 515,656
1 Claim. (Cl. 198-141)

In a device for vertically elevating loose articles, an upper arbor; a lower arbor; a pair of spaced

counterpart pulleys secured to each of said arbors, each pulleys of each pair comprising a flange adapted for engagement with one edge of a belt; a continuous belt of strip material extending between and passing around said pairs of pulleys, there being spaced apertures in said belt; article receiving pockets secured to the margins of said apertures and extending outwardly therefrom, said pockets being transversely enlarged from

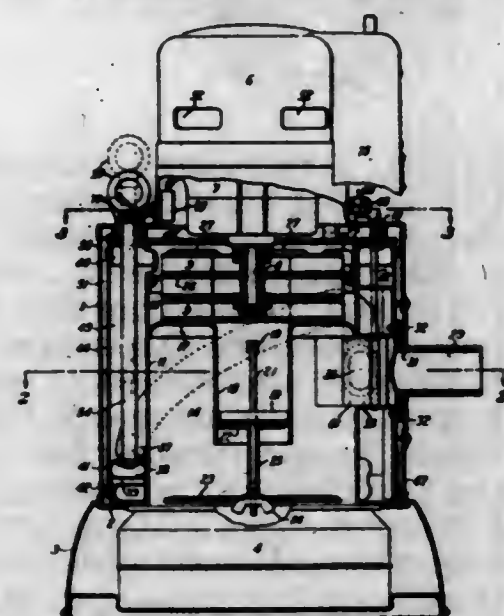


their mouth portions at said belt apertures and laterally asymmetric to afford a support for articles therein during the vertical upward movement thereof; means for introducing articles into said pockets between said lower pair of spaced pulleys; and means for receiving articles delivered from said pockets between said upper pair of spaced pulleys.

2,387,655

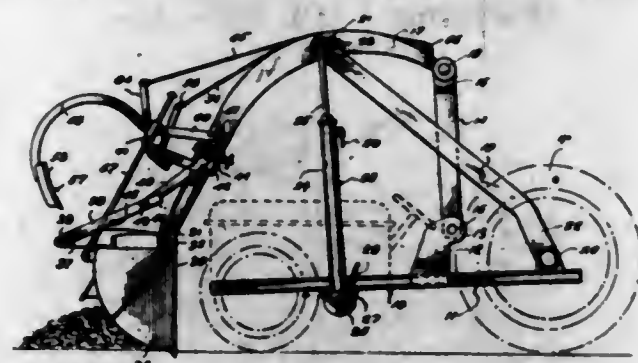
SUCTION CLEANER

Dale C. Gerber, North Canton, and Ralph C. Osborn, Canal Fulton, Ohio, assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application September 22, 1942, Serial No. 459,238
10 Claims. (Cl. 183-57)



1. A vacuum cleaner having an inlet port for dirt-laden air, a preliminary dirt separator, suction-creating means connected to said preliminary separator to draw air therethrough, a final dirt separator connected to said suction-creating means to receive air exhausted therefrom, dirt-collecting means to collect foreign material in said final separator, air-conducting means to connect said dirt-collecting means to said preliminary dirt separator, and valve means to control selectively the flow of air through said inlet port and through said air-conducting means.

2,387,656
EARTH MOVER AND BULLDOZER
Edward C. Gledhill, Gallon, Ohio
Application June 27, 1944, Serial No. 542,273
6 Claims. (Cl. 214-140)

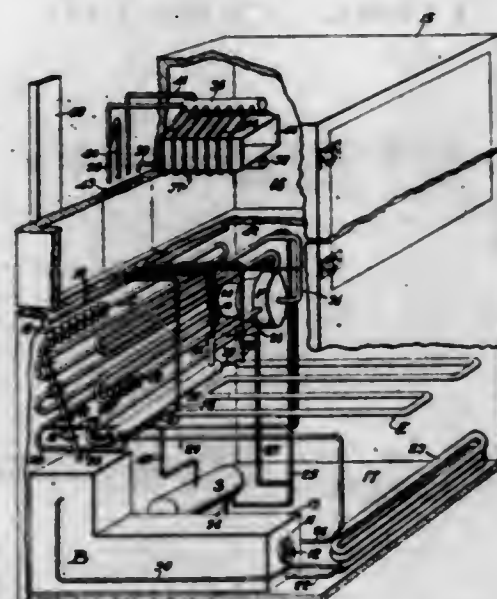


1. An earth working attachment for a tractor comprising a pair of frame members for mounting on the tractor, a scoop at the forward ends of said members and having a face adapted for relative disposition in at least a substantially horizontal digging position and a substantially vertical bulldozing position, a pair of scoop supporting bars pivotally secured at their forward ends to said scoop, pairs of links pivotally secured to said frame members and to the rear ends of said bars, releasable latch means for latching said scoop with its said face in a substantially horizontal digging position, and pairs of pivotally connected links connected to said bars and said scoop for holding the same face of the scoop in a dependent substantially vertical bulldozing position.

2,387,657

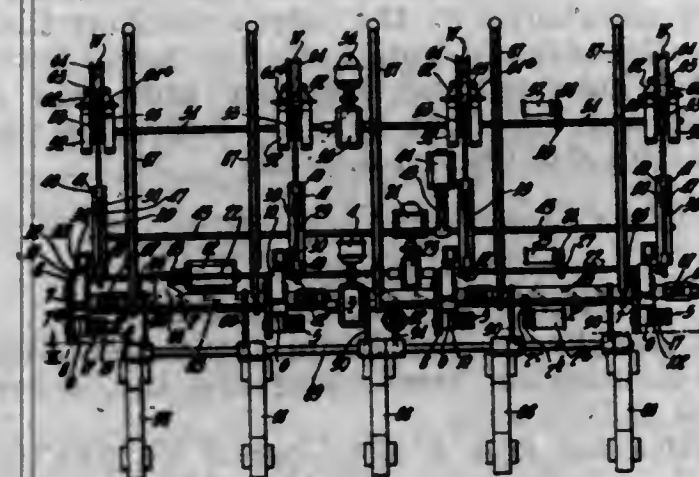
REFRIGERATION

Alfred G. Gross, Wilmette, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application August 2, 1943, Serial No. 496,992
19 Claims. (Cl. 62-5)



1. An absorption refrigerating apparatus comprising an inert gas circuit including an evaporator and an absorber, means for producing a pressure difference in said inert gas circuit, a secondary heat transfer liquid in heat exchange with said evaporator, a cooling unit positioned above said evaporator, and means utilizing the pressure difference in said inert gas circuit for raising said secondary heat transfer liquid into said cooling unit.

2,387,658
MACHINE FOR BUNDLING TUBULAR ARTICLES AND THE LIKE
Irving B. Gruber and William L. Zemberry, Pittsburgh, Pa., assignors to National Tube Company, a corporation of New Jersey
Application July 9, 1943, Serial No. 494,127
15 Claims. (Cl. 100-31)

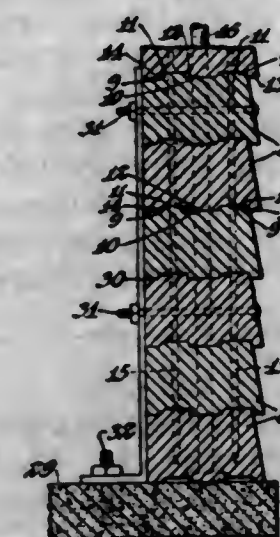


1. Apparatus for tying wire around a plurality of tubular articles or the like simultaneously at spaced apart intervals throughout the length thereof so as to bundle the same comprising a plurality of spaced apart tying units, each of said units including means for supplying and feeding wire thereto, means for holding the tubular articles to be bundled, rotating means for wrapping the wire a plurality of turns around the tubular articles, and means for twisting together the end of the wire and that portion of wire leading to the source of supply at one side of the tubular articles after the wrapping thereof.

2,387,659

BUILDING UNIT AND CONSTRUCTION

Martin O. Hafsos, Aberdeen, S. Dak.
Application November 19, 1941, Serial No. 419,718
4 Claims. (Cl. 20-4)

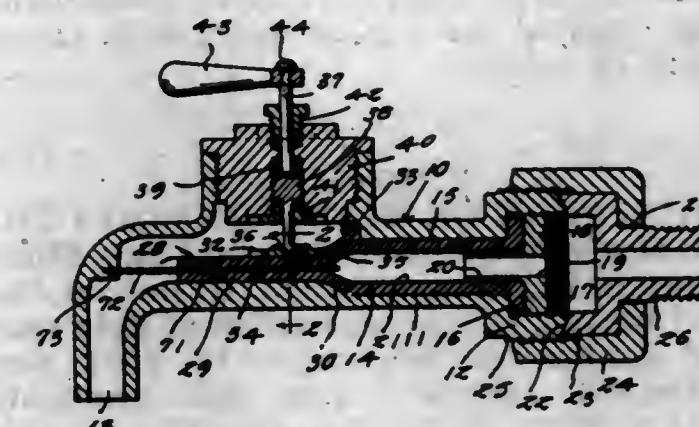


1. A building unit comprising a member having longitudinal grooves in its upper and lower surfaces, one lower longitudinal edge portion of said unit constituting an overlap flange adapted to fit closely about an upper longitudinal edge of a similarly constructed unit, the inner side walls only of said grooves being slanted downwardly and away from said overlap flange and adapted to engage with a similarly slanted portion of a complementary unit whereby the slant of said channel wall will draw said flange tightly against a complementary unit upon which it is placed, and means for drawing said timbers tightly together.

2,387,660

PLUGLESS VALVE

Mora S. Hall, Brentwood, and Alfred B. Bornstein and William Bornstein, Takoma Park, Md.
Application March 28, 1944, Serial No. 528,428
3 Claims. (Cl. 251-5)

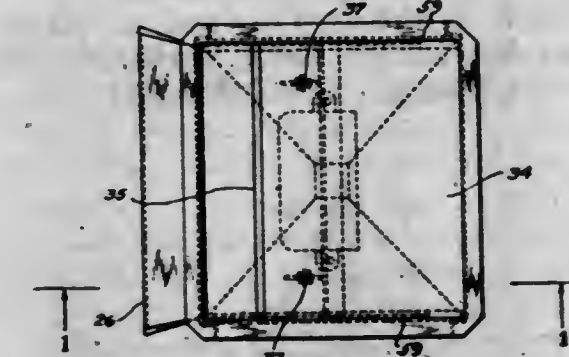


1. A plugless valve comprising a housing, a distortable tubular member in said housing, an annular flange at one end of said member, a centrally apertured nut threaded into one end of said housing and bearing against said flange to snugly bind the latter in said housing, a nipple carried by said nut extending into the adjacent end of said member, a seat fixedly carried by said housing, a pressure plate pivotally carried by said housing, adjustable pressure applying means engageable with said plate, and a flat plate projecting into said member and having such a length that one end thereof will be free from confronting surfaces of said member when the latter is in closed position whereby the fluid pressure on the inlet side of said member will act to free the surfaces of the latter from said flat plate.

2,387,661

PRIMER CUP RACKING DEVICE

Charles S. Holcomb and Reed Overson, Salt Lake City, Utah, assignors to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application December 15, 1943, Serial No. 514,390
4 Claims. (Cl. 226-2)



1. In a primer cup racking machine, a frame; means to hold a loading plate on said frame, said means being resiliently mounted on said frame; means to vibrate said plate holding means, and means for guiding cups to said loading plate including a fixed hopper guide, an adjustable extension for said guide, a plate contoured to retard cups received from said hopper guide, and a flexible cloth-like element closely adjacent the loading plate being filled.

2,387,662

PLASTICIZERS AND PLASTICIZED COMPOSITIONS

William H. Holst, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 31, 1942, Serial No. 437,030

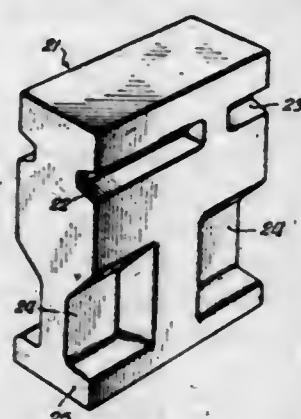
14 Claims. (Cl. 260—36)

7. A safety-type glass interlayer comprising a polyvinyl butyral resin plasticized with the tri-butylidene of sorbitol.

2,387,663

FURNACE ARCH OR ROOF CONSTRUCTION
Louis H. Hosbein, Glencoe, Ill., and Louis Ellman, Pittsburgh, Pa., assignors to M. H. Detrick Company, Chicago, Ill., a corporation of Delaware
Original application September 16, 1942, Serial No. 458,592. Divided and this application August 9, 1943, Serial No. 498,018. In Great Britain November 28, 1942

11 Claims. (Cl. 110—99)

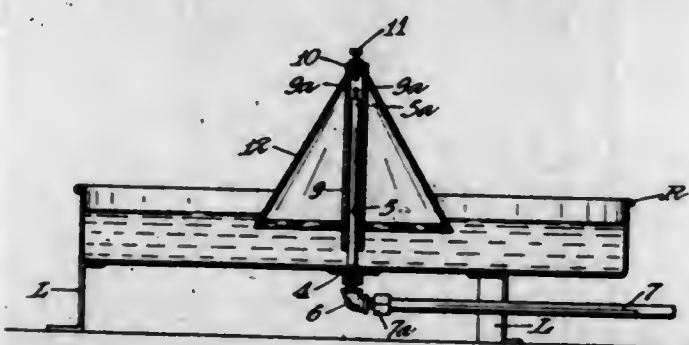


1. A hanger tile member for furnace construction, comprising a refractory block having oppositely disposed end faces, oppositely disposed side faces, and oppositely disposed top and bottom faces, a pair of grooves in each of said side faces adjacent the upper portion of said block, the grooves of each pair lying in the same horizontal plane, and the block having a solid portion separating the adjacent ends of said grooves, and recesses in said side faces adjacent the lower portion of said block, said grooves and recesses communicating respectively with said end faces.

2,387,664

FOUNT FOR POULTRY AND OTHER DOMESTIC ANIMALS

Charles L. Kubista, Owatonna, Minn.
Application August 25, 1943, Serial No. 499,922
3 Claims. (Cl. 119—80)



1. A fount for poultry and domestic animals having in combination an open top receptacle for containing liquid, a rigidly mounted conduit extending vertically from the lower portion of said receptacle and terminating at its upper end at a point above the high liquid level of said receptacle and having means at its lower end for connection with a source of liquid supply, a normally closed, vertically reciprocable valve

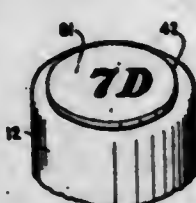
mounted in said conduit and having a stem projecting somewhat beyond the upper end of said conduit, a weighted tubular member slidably mounted upon said conduit and having a valve-operating element aligned with and spaced from but adapted to engage said projecting stem, a float member consisting only of an annular skirt connected with said weighted tubular member and surrounding the same and said conduit, said weighted tubular member having laterally extending apertures in the upper portion thereof for the discharge of liquid into the space between said weighted tubular member and said float member, and the float member deflecting downwardly the discharged liquid.

2,387,665

SHOT SHELL CLOSURE

Carl M. Langkammerer, Wilmington, Del., assignor to Remington Arms Company, Inc., a corporation of Delaware

Application July 4, 1942, Serial No. 449,709
8 Claims. (Cl. 102—42)



1. The method of sealing shot shells comprising the steps of providing a wax impregnated paper body shot shell with an exteriorly planar end closure, said end closure having a plurality of abutting segments and folds joining said segments, placing on said end a coherent self-supporting sheet of highly plasticized organic solvent soluble ethyl cellulose; superimposing on the surface of said sheet a disc of weak paper having a Mullen breaking strength of about fifteen pounds, said sheet being between said paper and shot shell end; and thereafter affixing the paper to the shell end by subjecting the assembly to heat and pressure.

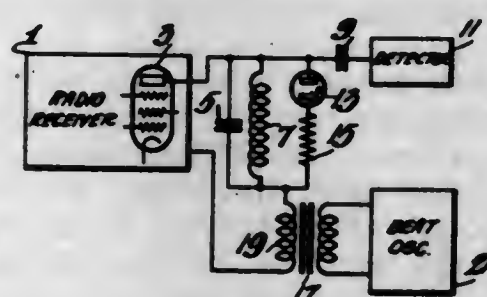
5. In a shot shell, the combination comprising a body of wax impregnated paper having an exteriorly planar end closure integral with said body, said closure including a plurality of abutting segments and folds joining said segments; a coherent self-sustaining film of plasticized organic solvent soluble ethyl cellulose on said end closure; and a paper disc exteriorly of said film on said end closure, said paper having a Mullen breaking strength of about fifteen pounds.

2,387,666

RADIO RECEIVER

Howard Corey Lawrence, Jr., Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 24, 1943, Serial No. 484,365
7 Claims. (Cl. 250—20)



1. In a radio receiver, means for providing carrier-frequency signal voltage, a gaseous discharge tube, means for applying said signal

voltage to said gaseous discharge tube whereby said signal voltage is limited to a predetermined amplitude, detector means, an oscillator, and means for applying the output of said oscillator and the signal voltage across said discharge tube in series to said detector, whereby the amplitude of the output of said oscillator which is applied to said detector is not substantially limited by the action of said discharge tube.

2,387,667

MANIFOLDING FLAT PACK

William F. Leibfritz, Villa Park, Ill., assignor to Harold Quest and James H. McAlvin

Application April 24, 1944, Serial No. 532,458
6 Claims. (Cl. 282—19)



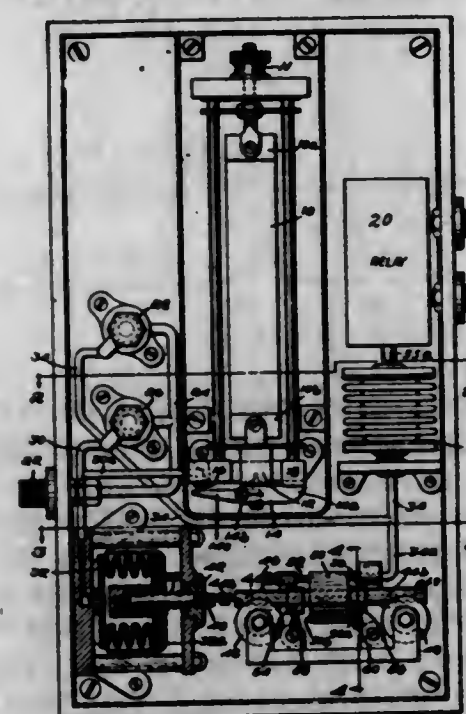
1. A manifolding flat pack of transfer material, comprising: a carrier member having a body portion provided with means for attachment to a holding bar between strips of stationery; a single continuous strip of transfer material zigzag folded crosswise of the stationary to form a wide accordion pleat on said carrier member, said strip having a free end adapted to extend forwardly with the stationery and the rear end being fastened to the body of the carrier; and said carrier having a checking edge member overlying the front folded portion of the transfer strip so that transfer material in advance thereof will travel back around the checking edge before being withdrawn from the pack.

2,387,668

CONTROL APPARATUS

Albert J. Loepsinger, Providence, R. I., assignor to Grinnell Corporation, Providence, R. I., a corporation of Delaware

Application October 19, 1942, Serial No. 462,659
12 Claims. (Cl. 236—44)



12. Control apparatus for controlling an operative agency affecting a condition in order to maintain the condition within the limits of a desired range; comprising means responsive to changes in the condition; means actuated by said responsive means for rendering the said agency inactive when the condition is within the said range and its direction of change is reversed toward one of said limits, and for setting said agency in action when the condition is within the said range and its direction of change is

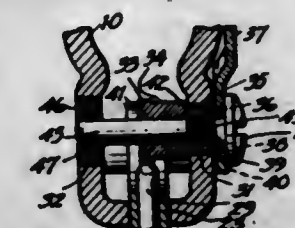
reversed toward the other of said limits; and adjustable means associated with the last said means for preventing action of the said agency when the condition exceeds one of said limits and for continuing said agency in action when the condition exceeds the other of said limits.

2,387,669

FIREARM

Crawford C. Loomis, Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware

Application July 17, 1943, Serial No. 495,164
4 Claims. (Cl. 42—70)



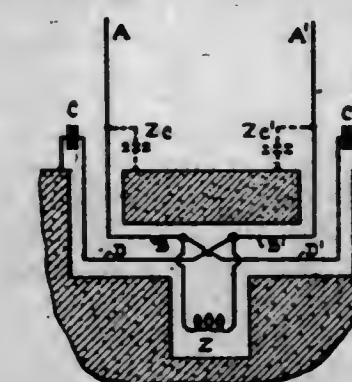
4. In a firearm, the combination comprising a receiver; a trigger mechanism mounted in said receiver; a safety mechanism cooperating with said trigger mechanism and comprising a rotatable shaft member; and means for adjusting said safety mechanism with respect to said trigger mechanism to compensate for variations in the sizes thereof comprising a circular bushing threaded into said receiver and provided with an eccentrically positioned opening forming a bearing for said shaft member.

2,387,670

RADIO DIRECTION FINDER

David G. C. Luck, Hightstown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 28, 1942, Serial No. 456,495
5 Claims. (Cl. 250—11)



1. An antenna system comprising a pair of spaced vertical conductors, disposed above a conductive ground plane, a utilization circuit including two terminals, horizontal conductors disposed below said conductive plane and connecting said vertical conductors to respective terminals of said utilization circuit, and a pair of capacitors, each connected between a point on said ground plane near the base of one of said vertical conductors and the terminal of said utilization circuit which is connected to the other of said vertical conductors.

2,387,671

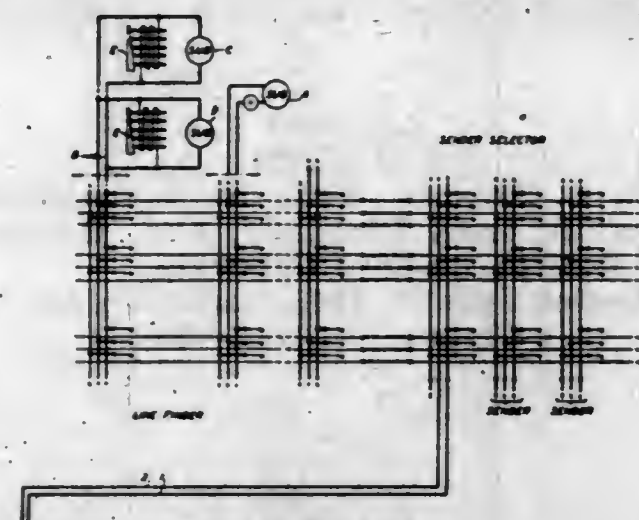
ALTERNATING CURRENT SIGNAL RECEIVER

Alexis A. Lundstrom, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 20, 1942, Serial No. 462,706
4 Claims. (Cl. 179—17)

2. A circuit for response to plural frequency alternating current pulses comprising in combi-

nation a channel adapted for response to each frequency in the pulse, and a channel adapted for response to the first half cycle of each pulse, a register settable in response to the operation of

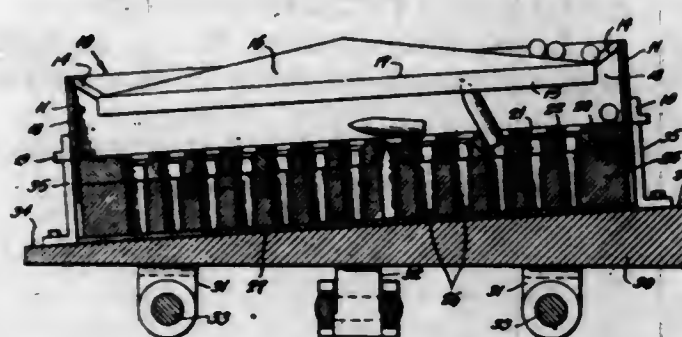


said frequency-responding channels, and means responsive to the operation of said last-mentioned channel in response to two pulses each of whose first half cycles are of opposite polarity for transmitting a signal to said register.

2,387,672

MACHINE FOR DISTRIBUTING AND ORIENTING BULLETS

Muri D. Mayberry, Golden, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application October 14, 1942, Serial No. 462,041
7 Claims. (Cl. 86-23)



3. An apparatus for distributing articles comprising a member having apertures therein, each aperture being arranged to support an article and in segregated relationship to other articles in the apertures of said member; a plate supported on said member having article orienting apertures, each aperture being in alignment with an aperture of said member; and feed means supported above said plate constructed and arranged to deliver articles in a substantially single layer onto said plate.

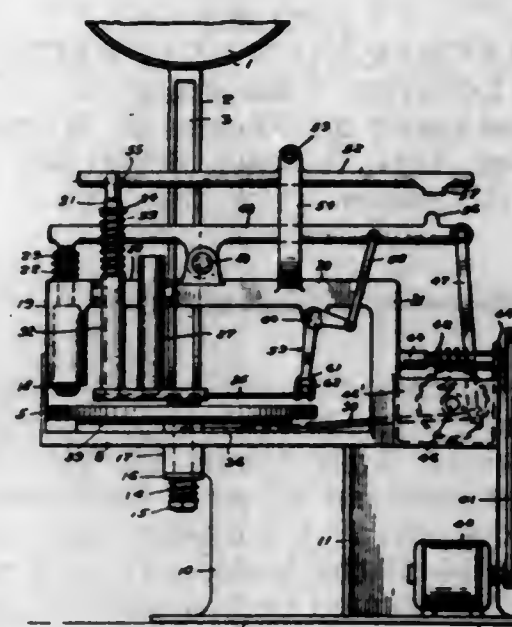
2,387,673

MACHINE FOR RESHAPING BOTTLE CAPS

Frank McCullough and Earl Gray,
Fort Smith, Ark.
Application December 23, 1942, Serial No. 469,902
1 Claim. (Cl. 113-80)

In a machine for reshaping and reconditioning crown caps, a horizontally disposed turntable rotatably mounted and provided in the upper face thereof with a circular concentric series of female cap reshaping dies therein spaced apart equidistantly, means to rotate said turntable step by step in degree corresponding to the spacing of said dies, gravity feed means for loading caps one at a time in the dies of said series successively as said turntable is rotated step by step in one

direction, means cooperating with said female dies to reshape said caps comprising a vertically reciprocating male die member beneath which the loaded female dies are rotated successively, a gravity feed magazine for cap lining disks, and means to feed such disks one at a time from said magazine into the loaded caps successively as said turntable is rotated, and means to operate said feeding means and said male die member successively in the order named and in timed rela-

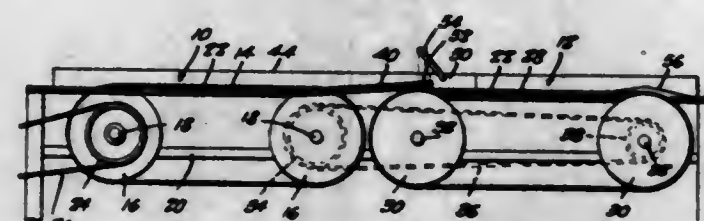


tion to step-by-step rotation of said turntable, the last-mentioned means comprising a rocker for operating said male die member, a tamping plunger for compressing said disks in the caps, and operating connections between said rocker and plunger, said operating connections including a second rocker and coating tappets on said rockers acting to delay operation of said last-mentioned means until the plunger has completed its compression stroke.

2,387,674

CLEAT TURNER AND GRADING TABLE

James Donald McIntyre, Crystal River, Fla.
Application February 11, 1943, Serial No. 475,542
5 Claims. (Cl. 198-33)

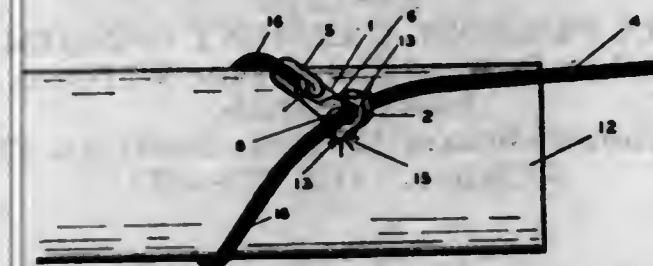


1. A cleat turner comprising a conveyor means for moving cleats positioned transversely thereon, a drop in said conveyor means for imparting a roll to successive cleats pushed thereover to turn the cleats, means engaging cleats in predetermined turned positions to restrain the cleats from further turning, said conveyor means comprising a first conveyor unit provided with said drop, a second conveyor unit for conveying the turned cleats, said first conveyor unit comprising two spaced cleat-carrying belts and said drop comprising an inclined surface extending from a position beneath the cleat-carrying surfaces of the two cleat-carrying belts to a position above the second conveyor unit, said second conveyor unit comprising an endless belt, and a driving connection between said two cleat-carrying belts and said endless belt for driving the latter at a greater speed than said two cleat-carrying belts to space the cleats on the endless conveyor one from the other.

2,387,675

RIGGING HOOK

Grant L. Orme, Clarence R. Jones, and Aubrey L. Fletcher, Eugene, Oreg.
Application May 18, 1944, Serial No. 536,188
4 Claims. (Cl. 294-82)

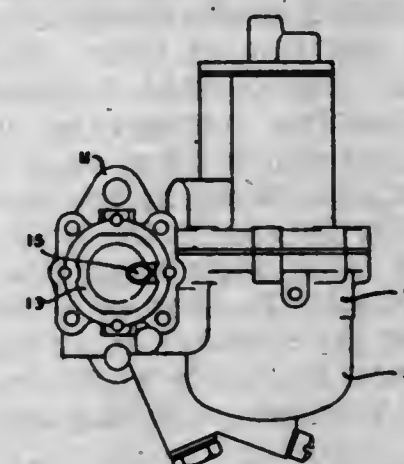


1. A rigging hook comprising a flat body formed with an eye at one end and formed into a return bend at the opposite end, said return bend providing a main bill which, at its junction with the body is of the full width of the body, the flat body being formed adjacent one longitudinal edge thereof with an upstanding lip at right angles to the flat body and spaced from the main bill of the hook, that edge of the upstanding lip toward the main bill being curved opposite to the direction of the curvature of the main bill and substantially on the same radii, the upstanding lip and the adjacent edge of the main bill being spaced apart to permit the entrance of a cable through such space and into a plane including the curvatures of the main bill and the lip.

2,387,676

CARBURETOR

Bernard C. Phillips, Toledo, Ohio, assignor to The Tillotson Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application March 17, 1943, Serial No. 479,532
1 Claim. (Cl. 261-39)



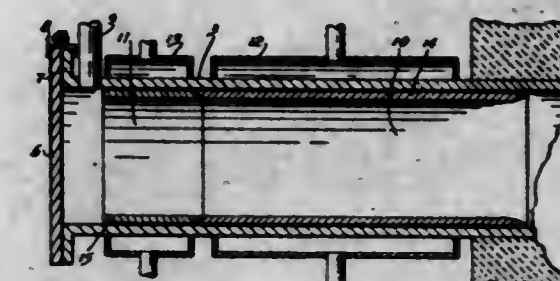
In a carburetor, an air inlet, a mixture passageway, a float bowl, a mechanism for maintaining a constant fuel level in said float bowl, a fuel passageway extending from said float bowl below said fuel level, a fuel spray orifice in said fuel passageway, an intermediate mixing chamber between said fuel orifice and said mixture passageway having an outlet in line with said orifice, a control chamber, a plurality of air passageways communicating with said control chamber whereby the pressure in said float bowl and said control chamber are equalized with pressure in said air inlet, an air passageway extending from said control chamber to said intermediate mixing chamber, a barometric pressure responsive control means mounted in said control chamber, an orifice in said last mentioned air passageway, an air flow control valve directly mounted on said pressure responsive control means, said pressure responsive means adapted to move said flow control valve axially in said second orifice, said axial motion of said air flow control valve varying the effective opening of said second orifice whereby

the air flow to said auxiliary mixing chamber is automatically controlled, thereby varying the suction in the intermediate mixing chamber to compensate for variations in fuel mixtures caused by different pressures in said air intake.

2,387,677

APPARATUS FOR PRODUCING MAGNESIUM

Lloyd Montgomery Pidgeon, Rockcliffe Park, Ontario, Canada, assignor, by mesne assignments, to Dominion Magnesium Limited, Toronto, Ontario, Canada, a corporation of Canada
Application May 11, 1942, Serial No. 442,411
In Canada April 30, 1942
5 Claims. (Cl. 266-19)

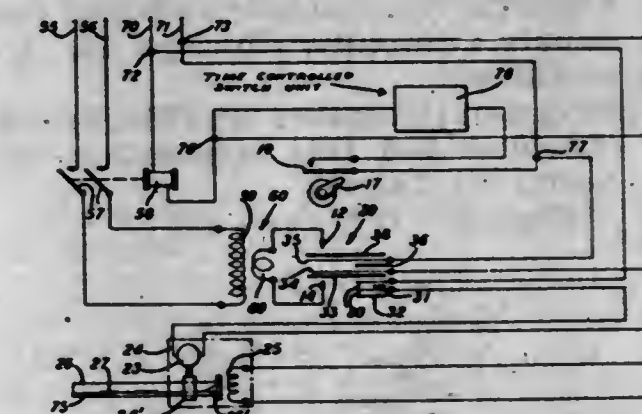


1. In apparatus of the character described, a furnace operating normally under substantially atmosphere pressure, a metallic retort having a reducing portion permanently within the furnace and at least one condensing portion without the furnace, the latter comprising two temperature zones, means in each zone for the collection and independent removal of condensed metal deposited therein, means for cooling one of said zones to a temperature adapted to cause deposit therein of a dense structure of one metal, means to cool the other of said zones to a temperature adapted to cause deposit therein of another metal of higher vapour pressure and means to provide reduced pressure within the retort.

2,387,678

RECORDING SYSTEM

Raymond E. Powell, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 12, 1942, Serial No. 468,770
10 Claims. (Cl. 234-5.8)

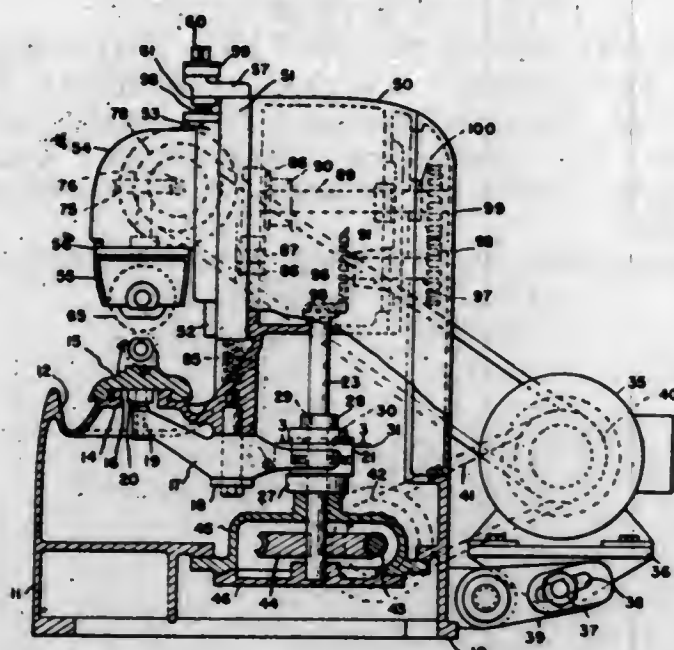


4. A recording system for recording steps of operation of a welding machine having work engaging welding electrodes, the recording system comprising an electrical recording circuit, a normally open switch unit adapted to be positioned between the said electrodes, engaged thereby when the electrodes are relatively moved into their welding positions and actuated thereby to close the circuit, and a recording unit in the circuit and under the control of the switch unit to record the time interval in which the electrodes are closed.

2,387,679

GEAR SHAVING MACHINE

Walter S. Praeg, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application March 16, 1942, Serial No. 434,937
14 Claims. (Cl. 90—1.6)



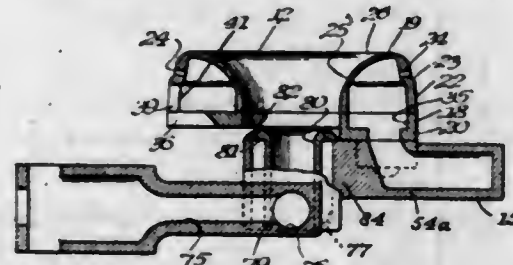
1. A gear finishing machine comprising a work carriage mounted for reciprocation, a tool slide movable toward and away from said work carriage, resilient means urging said tool slide away from said work carriage, a rotatable cam for controlling movement of said tool slide, a cam follower on said tool slide, an eccentric for effecting reciprocation of said carriage, a motor and connections between said motor and said cam and between said motor and said eccentric for effecting timed movement of said slide with relation to reciprocation of said carriage.

13. In a gear finishing machine, a tool drive housing having a driving gear mounted therein and a supporting web having an opening in alignment with said gear, a tool support, an apertured shaft secured to said tool support and extending into said opening, bearing surfaces between said tool support and web, and wedge means carried by said housing and extending into the aperture of said shaft for effecting clamping engagement between said bearing surfaces.

2,387,680

BURNER STRUCTURE

Best Pratt, Chicago, Ill., assignor to Brake Equipment & Supply Company, Chicago, Ill., a corporation of Illinois
Original application December 29, 1938, Serial No. 248,337. Divided and this application March 27, 1941, Serial No. 385,573
3 Claims. (Cl. 158—115)



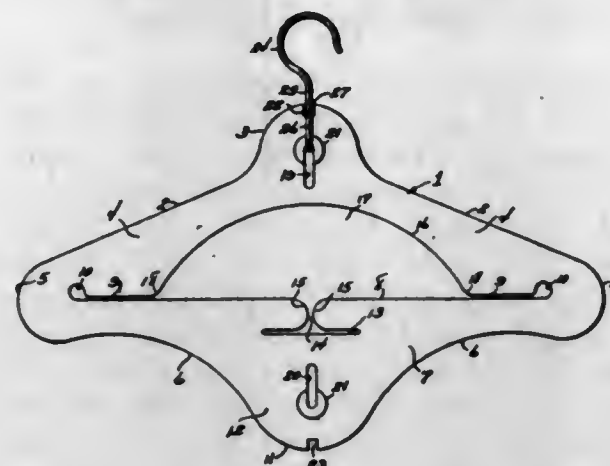
1. A gas burner of annular form including a bottom wall and outer and inner walls defining an annular gas chamber, a circular series of jet ports in the outer upper portion of the wall, said bottom wall having a radial slot extending to its outer edge and opening into the gas chamber, said outer wall having a vertically extending slot in alignment with the slot in the bottom wall and also opening to the gas chamber, the slot in

said outer wall terminating below the jet ports so that ignition of gas issuing from the aligned slots will provide a flame to ignite gas issuing from the jet ports.

2,387,681

ALL PURPOSE GARMENT HANGER

Arthur D. Reed and Arthur W. Nonn, Jackson, Mich.
Application February 12, 1944, Serial No. 522,130
2 Claims. (Cl. 223—87)



1. A garment hanger comprising a body having a neck and arms extending from opposite sides of the neck at a downward incline, a cross bar under said body extending longitudinally thereof and having its ends integrally united to ends of said arms, said cross bar having a depending neck midway its length and at opposite sides of its neck having upwardly bowed curved lower edge portions merging into the edge of the neck and ends of the body, the upper edge of said cross bar being straight and spaced from the body by an opening having its ends terminating in horizontal slits between ends of the arms and the cross bar, there being provided at the center of the cross bar a longitudinal slot spaced from the upper edge of the cross bar and formed midway its length with a mouth opening through the upper edge of the cross bar, said necks being each formed with a vertical slot and a notch at the free end of the neck aligned with the slot in the neck, and a hook having a shank bent back upon itself to form a bill passed through the slot of a selected neck and terminating in a rolled end engaged in the notch of the neck to firmly and removably hold the hook in engagement with the neck.

2,387,682

ROTARY JAR AND SAFETY JOINT

James G. Richey, Alhambra, Calif.
Application September 1, 1942, Serial No. 456,876
2 Claims. (Cl. 255—27)

2. In a safety joint, the combination with a rotatively associated sleeve and mandrel having means for limiting relative longitudinal movement in one direction and said mandrel having a lug, of a pair of spaced internal circumferential flanges on said sleeve, a portion of the lower flange being cut away to form an opening to permit the passage of said lug, a portion of the upper flange being cut away to form an opening for the passage of said lug, said openings being offset circumferentially relative to each other, lugs depending from the upper flange adjacent the opening therein, which lugs provide stops for limiting the movement of said lug circumferentially while in engagement with the underface of said upper flange, the distance between the underface of the flange and the upper face of the lower flange being substantially greater

than the height of the lug on said mandrel and the distance between the lower faces of the lugs



on said upper flange and the upper face of the lower flange, being slightly greater than the height of the lug on said mandrel.

2,387,683

PRODUCTION OF RESINOUS FELTED FIBROUS COMPOSITION

Herman W. Richter, Bridgewater, and Harold R. Gillette, Newton Highlands, Mass., assignors to Federal Electric Company, Inc., Chicago, Ill., a corporation of New York
No Drawing. Original application August 29, 1940, Serial No. 354,628. Divided and this application November 17, 1941, Serial No. 419,430
2 Claims. (Cl. 92—55)

1. The process of producing consolidated sheet material which comprises providing a fibrous stock of pulp fibres in uniform mixture with a substantial proportion of a powdered thermoplastic resin, said resin consisting essentially of a residue low in abietic acid remaining after separation of refined rosin high in abietic acid from the resinous material obtained by extraction of pine wood with a solvent, subjecting the mixture to a sheet forming operation, adjusting the moisture content of the sheet to from about 4 to about 7%, consolidating the resulting product by heating it to a temperature of from about 220 to about 250° F., to plasticize the resin and subjecting it to a pressure of from about 100 to about 2,000 pounds per square inch to cause the plasticized resin to flow and permeate the fibrous structure and to substantially completely surround the individual fibres thereof and substantially fill the interstices between them, cooling the sheet to solidify the resin in blended state and to anchor the fibres in compressed condition, releasing the pressure, and recovering the cooled product as a hard, stiff, tough sheet material having the property of remaining consolidated and rigidified and of retaining its density without unmolding.

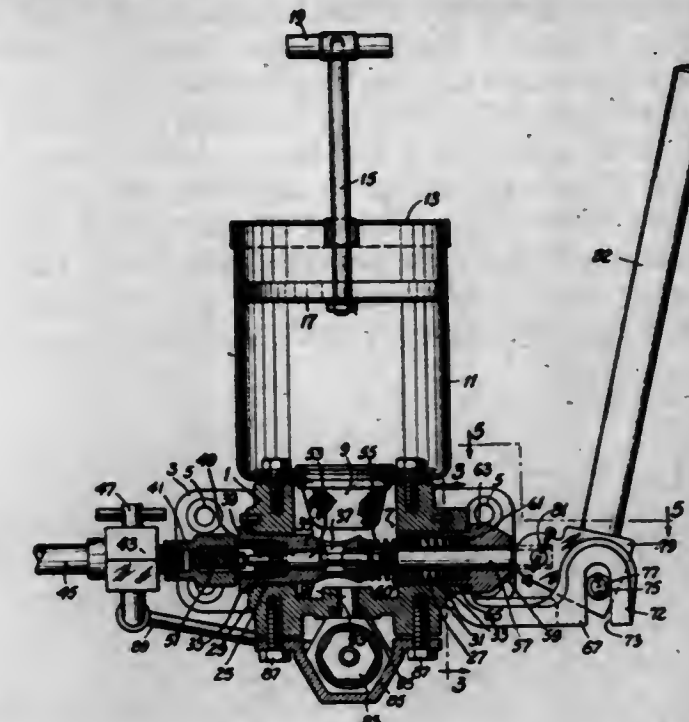
2,387,684

PUMP MECHANISM

Lutwin C. Rotter, Maplewood, Mo., assignor to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application July 11, 1942, Serial No. 450,539
4 Claims. (Cl. 184—28)

1. In a pump mechanism, a body forming an enclosure for fluid, said body having oppositely

located openings, means associated with one of the openings comprising a pump cylinder extending into the enclosure and a check valve organized with said cylinder, a reciprocating plunger means cooperating coaxially with said cylinder within the enclosure and reaching through the other opening, a plunger guide for said plunger means associated with the other opening, means for reciprocating the plunger,

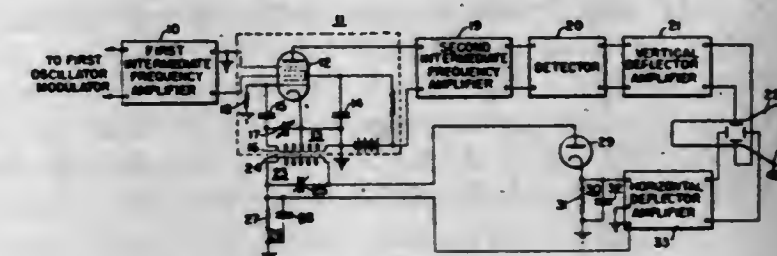


interchangeable means for attaching at either opening either the cylinder on the one hand or on the other hand the guide, and a linkage for operating the plunger means comprising a cross slot member adapted to be held adjacent either opening by the plunger guide when the latter is fastened to the body at either opening, and including a handle having a part forming an operating link between the cross slot member and the reciprocating means.

2,387,685

VOLTAGE GENERATOR

Robert W. Sanders, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application February 15, 1943, Serial No. 475,861
7 Claims. (Cl. 250—36)



7. The method of generating a saw-tooth wave which includes the steps of, effecting a periodic frequency modulation of an alternating current wave, deriving periodically from said frequency-modulated alternating wave a series of energy pulses, and converting said energy pulses to unidirectional energy of a saw-tooth wave form.

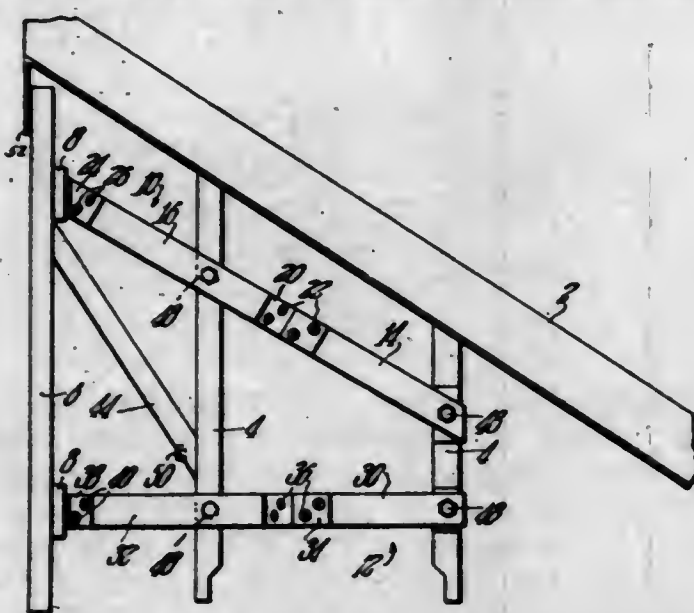
2,387,686

SNOWFLOW APPARATUS

Daniel Shean and Frank F. Zendek, West Springfield, Mass.
Application May 11, 1944, Serial No. 535,056
1 Claim. (Cl. 37—42)

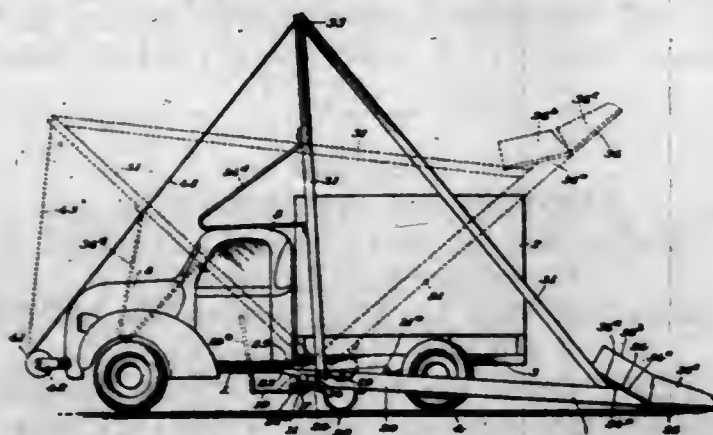
A unitary snow plow construction comprising in combination, outer and inner transversely spaced horizontally disposed longitudinal frame members, the forward end of the inner frame member extending beyond the forward end of

outer frame member, a plow blade at the forward ends of the frame members disposed in a substantially vertical plane extending obliquely relative to said frame members having a leading edge disposed at a side of and forwardly of the end of the inner frame member and a trailing edge disposed at a side of and rearwardly of the forward end of the outer frame member, a side wing spaced from and in parallelism with the inner frame member disposed in a vertical plane having a forward leading edge disposed adjacent the leading edge of the said blade, spaced vertically disposed reinforcing members secured to a side of the side wing adjacent the inner frame member, a forward support member secured to the frame members spaced rearwardly from and disposed substantially in parallelism with the plow blade and having an end portion extending outwardly from the inner frame member secured to



one of said reinforcing members, a rear support member disposed rearwardly of the forward support member and transversely secured to the frame members having an end portion extending outwardly from the inner frame member and secured to a reinforcing member, strut members above said support members each having one end secured to the support members intermediate the ends thereof and opposite ends secured to the reinforcing members to which the support member therebelow is secured, said strut members extending angularly and upwardly from said support to said reinforcing members, and a secondary strut disposed substantially horizontally and obliquely between the inner frame member and side wing having one end secured to the inner frame member and its other end engaging the side wing and a reinforcing member therefor.

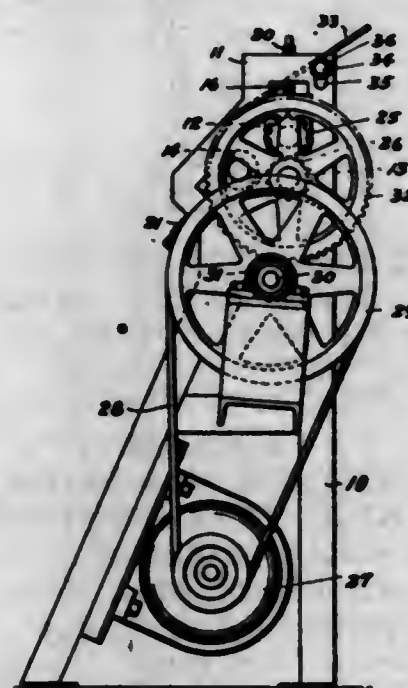
2,387,687
TRUCK SELF-LOADER ATTACHMENT
Stanley Smith, Bend, Oreg.
Application February 20, 1945, Serial No. 578,833
9 Claims. (Cl. 214-78)



1. A truck loader for use with a truck having a brake mechanism and a power take-off, compris-

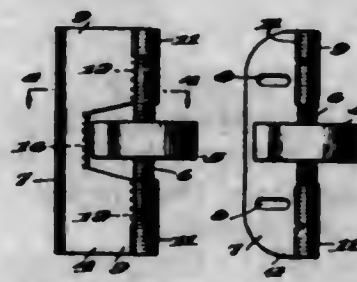
ing an extensible rod fixed to the truck, means for extending and retracting the rod, a frame having its front end pivotally and detachably engaged with the rod, a material engaging means on the rear of the frame, standards on the frame, a cable drum connected with the power take-off of the truck, the cable connected with the standards to raise and lower the frame, means connected with the brake mechanism for controlling the cable, and means for latching the frame on the rod.

2,387,688
BODY ROLLER
William F. Spahr, New Orleans, La.
Application March 12, 1943, Serial No. 478,924
10 Claims. (Cl. 153-55)



1. A machine for rolling or bending metal sheets into cylindrical or substantially cylindrical form comprising a main supporting frame, a pair of feed rolls arranged in substantial vertical alignment and having spindles mounted in bearings supported by said frame, means for adjusting said rolls with respect to one another to vary the tension or pressure on the sheets fed therebetween, a third roll disposed beyond the feed rolls, a flexible drive connection transmitting the drive from one of said feed rolls to said third roll, means for adjusting said third roll toward and from the roll pass to thereby vary the degree of curvature imparted to the sheet, a deflector plate disposed at an incline above said feed rolls and adapted to be engaged by the leading edge of each sheet and cause the curled sheet to ride thereon until released from said feed rolls whereupon it rolls downwardly on said plate and is discharged to the rear of the machine, and means for driving said feed rolls.

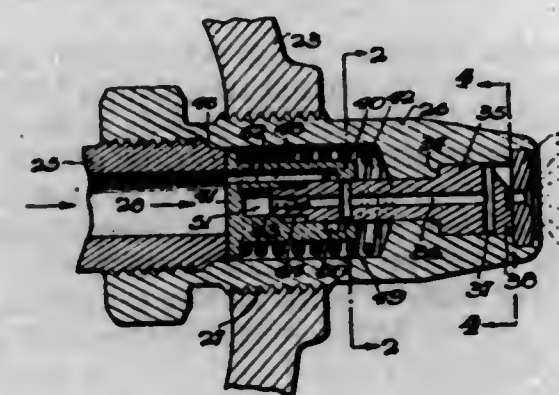
2,387,689
SHOCK ABSORBING DEVICE
Charles F. Sponsler, Philadelphia, Pa.
Application June 30, 1942, Serial No. 449,135
10 Claims. (Cl. 16-86)



1. A shock absorbing device for a door which normally tends to assume closed position, said

device comprising a bracket, resilient means adapted to be deformed when arresting the closing movement of said door, and flexible means for movably mounting said resilient means on said bracket, said flexible means constituting a yielding beam, and said bracket being provided with means for causing said flexible means to have a plurality of different effective beam lengths respectively corresponding to different directions of bodily displacement of said resilient means.

2,387,690
FUEL INJECTION
Roderick W. Stelzel, East Orange, N. J., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware
Application December 7, 1942, Serial No. 468,151
2 Claims. (Cl. 299-107.6)

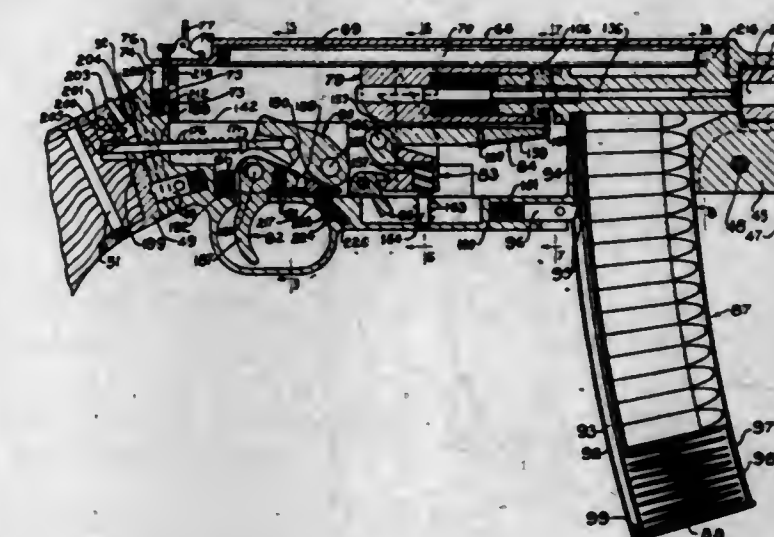


1. In a fuel injecting device having a casing provided with a detachable fuel intake conduit and a fuel discharge jet, valve means disposed within said casing and comprising an outlet member abutting said discharge jet and having a longitudinal bore communicating with said jet, a removable sleeve valve member slidably mounted on said outlet member and operable in one direction to an open position in response to fuel pressure in said conduit and in an opposite direction to a closed position, said valve member formed with a circular groove in its inner peripheral face and a longitudinal bore effecting communication between said groove and said intake conduit, said outlet member having a transverse bore communicating with its longitudinal bore and intermittently registrable with said groove when said valve member is operated between said positions, a spring constantly urging said valve member in said opposite direction, and means including mating tapered surfaces on said casing and conduit for automatically locating said valve member and limiting its travel in said opposite direction.

2,387,691
GUN
Oswald O. Sunderland, Fairfield, Conn.
Application September 19, 1942, Serial No. 458,932
11 Claims. (Cl. 42-3)

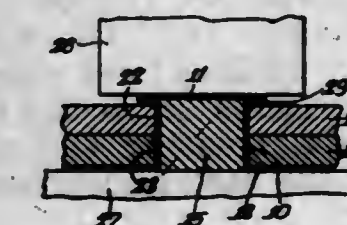
7. In a gun, a barrel, a frame at the rear of said barrel and including a loading chamber in its forward portion, a bolt in said chamber and having a forward breech closing position, a bevelled surface on said bolt, a locking element movable to and from locking relation with said bolt, said element having a bevelled surface engaged with the bevelled surface of the bolt when the element is in locking relation with the bolt and the latter is in breech closing position, said bolt including forward and rearward parts, a spring retaining said parts against casual relative movement, said bolt bevel located on the rearward of said parts, a latch securing said locking element against movement and in lock-

ing relation to the bolt when the latter is in breech closing position, said bolt when in breech closing position maintaining said latch in position securing the locking element in locking relation to the bolt, and said bolt parts arranged



to be moved relatively against the action of said spring by the force of the exploding of a shell and on such relative movement release said latch whereby to permit said bolt to cam aside the locking element and move to a position rearwardly of said loading chamber.

2,387,692
METHOD OF APPLYING TUBULAR RIVETS
Harold C. Sundstrom, Chicago, Ill.
Application May 26, 1943, Serial No. 488,553
1 Claim. (Cl. 218-29)

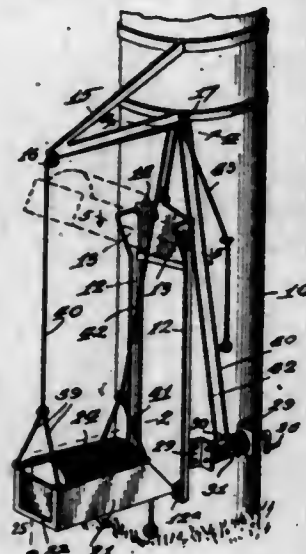


The process of applying in fastening position to parts to be fastened together a hollow rivet comprising a tubular body having an opening at one end and thin collapsible side walls at its other end portion projecting beyond the parts to be fastened and a closed head integrally formed with said thin side walls, which process comprises the steps of substantially filling the interior space of the hollow rivet with a substantially incompressible filler that is flowable under pressure so that the filler is in engagement with the interior faces of the tubular body and the thin side walls and head thereof, closing the open end of the rivet to prevent escape of the filler under pressure, applying axial pressure against the outer surface of the closed head, transmitting said pressure against the inner faces of the tubular shank and the thin walled portion thereof by means of said filler to expand said tubular shank outwardly into engagement with the parts being fastened together and to effect collapse of the thin-walled shank portion radially outwardly as the head moves in an axial direction under said axial pressure, and preventing distortion and collapse of said head in an axially inward direction by means of said filler upon application of said axial pressure to the outer surface of said head, whereby a substantially smooth-surfaced retaining element of greater diameter than the tubular shank is formed in fastening engagement with one of the parts being fastened.

2,387,693

INCINERATOR

Inocente Trevino, Los Angeles, Calif.
Application November 15, 1943, Serial No. 510,384
1 Claim. (Cl. 214—120)



In a hoist for delivering material to an elevated opening, a skip open at both ends, an L-shaped member arranged to slide lengthwise within said skip, which member when at its rearward limit of movement closes the rear end of said skip, a flexible member secured to the forward end of said sliding member and extending lengthwise through said skip for drawing said member to the forward end of said skip and a hinged cover for said skip.

2,387,694

TREATMENT OF DRILLING FLUIDS

Truman B. Wayne, Houston, Tex.
No Drawing. Application March 27, 1936,
Serial No. 71,179
14 Claims. (Cl. 252—8.5)

1. In the art of drilling and controlling wells in which mud is circulated in the bore hole the process comprising, treating the mud with an agent containing the metaphosphate radical.

2,387,695

METHOD OF MOUNTING PHOTOGRAPHS AND THE LIKE

George Louis Weller, Jr., Washington, D. C.
No Drawing. Application April 24, 1943,
Serial No. 484,496
6 Claims. (Cl. 154—2)

5. A method for mounting an indicia containing sheet upon a backing by means of an intermediate medium of polymerized vinyl ester which includes the steps of applying a solvent composed mainly of isopropyl alcohol to the polymerized vinyl ester to provide a superficial solution of the said ester thereon without substantially penetrating the main body of the said medium and uniting the said sheet to the said backing while the said superficial solution of the ester is present on the said medium.

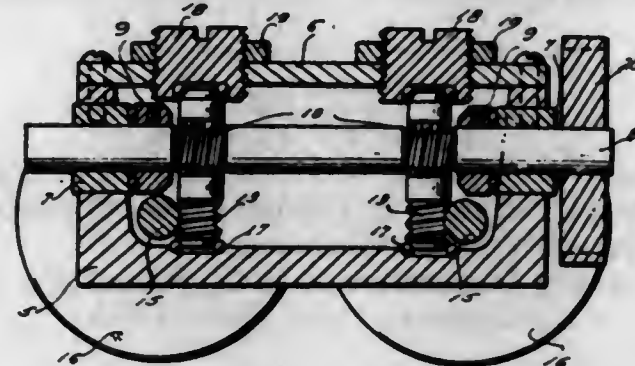
2,387,696

POWER TRUCK AND PROPULSION MEANS THEREFOR

William Albert Wildenhain, Elyria, Ohio
Application April 28, 1944, Serial No. 533,176
2 Claims. (Cl. 105—119)

1. A miniature type power truck for model locomotives and the like comprising a gear box, horizontal wheel axles mounted for rotation in bearings in the side walls of said gear box, flanged wheels on the outer ends of said axles, the intermediate portions of the axles being provided with

worm gears, bearings in the front and rear ends of said gear box, a drive shaft mounted for rotation in said bearings, thrust collars on the drive shaft located within the gear box, ball bearings interposed between the thrust collars and adjacent bearings, said drive shaft being provided adjacent opposite ends and within the limits of the gear box with longitudinally spaced worm gears, bearing pockets in the bottom of the gear

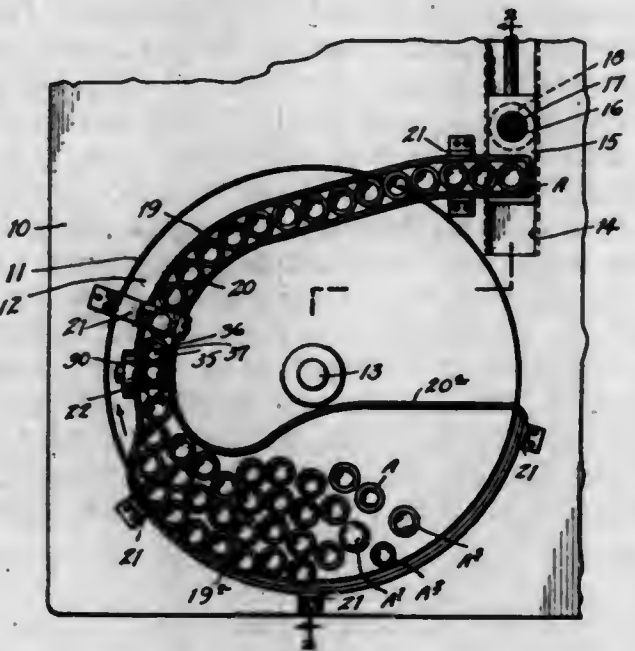


box, said gear box having a removable lid, said lid being provided with adjustable plugs having bearings fashioned therein, and power take-off driven shafts having their opposite ends confined within the gear box and located in the respective and coaxing bearings, said driven shafts having worm gears at their lower ends coaxing with the worm gears on said axles, and worm gears intermediate their ends in mesh with the worm gears on said drive shaft.

2,387,697

INSPECTION DEVICE

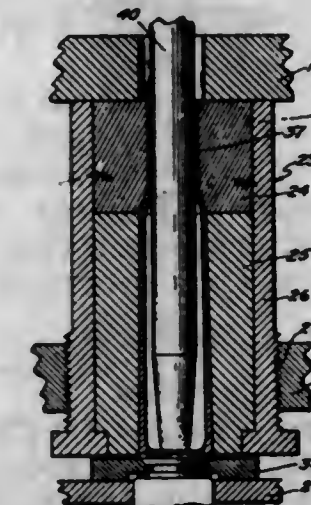
Kenneth J. Yost, Westport, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application May 2, 1942, Serial No. 441,562
4 Claims. (Cl. 209—82)



1. In an inspection device for a feed line of cylindrical-walled open-end-up cup members propelled in a guide-way in single file arrangement, a star-wheel rotatably arranged in said guide-way comprising a hub and a series of radial equally spaced button members carried by said hub adapted as said feed line is propelled to successively engage the open upper ends of successive cup members in said feed line through rotation of said star-wheel, each of said button members comprising a cylindrical gauge portion adjacent the hub normal to the radial button axis adapted to fit the cylindrical open end of said cup members with slight clearance, a projecting spherical nose portion having its radius less than the radius of said cylindrical gauge portion, and a clearance portion between said nose portion and said cylindrical gauge portion.

2,387,698

AMMUNITION MANUFACTURING MACHINE
Kenneth J. Yost, Westport, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application December 12, 1942, Serial No. 468,765
1 Claim. (Cl. 29—1.3)



A method of making cartridge cases comprising the steps of supporting a substantially cylindrical case closed end down on a base, ironing out deformations in said case throughout a substantial portion of the body thereof, tapering the case, moving a die down over the open end of said case to partially contract the neck portion thereof, inserting a punch into said case and engaging the end of said punch with the closed end of said case to hold the latter firmly on said base, and then moving a second die down over the partially contracted neck of said case while retaining said punch therein for completing the contraction of said neck, simultaneously rigidly supporting the inner walls of the partially contracted neck by said punch during completion of the contracting operation thereby to prevent wrinkling in the neck of the case.

2,387,699

LIQUID DISPENSING MEANS

Lawrence G. Bates, Shaker Heights, Ohio
Application March 14, 1942, Serial No. 434,634
5 Claims. (Cl. 215—74)



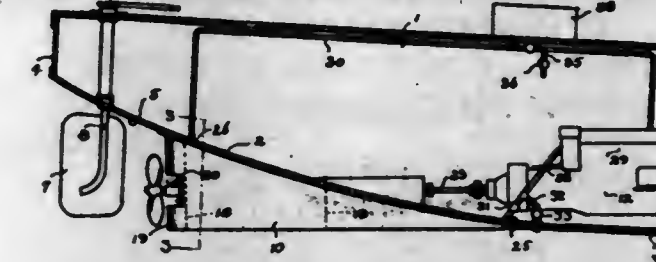
5. A liquid dispenser, comprising a combined shipping and pouring closure means adapted to be placed on a liquid container and having a liquid conduit and an air conduit with external openings adjacent, being cut in a plane angular to the axis of the closure means and arranged to automatically compel orienting the air conduit on top of the liquid conduit if the container is to pour, a shoulder in the outer end of the liquid conduit, a gravity stopper closing the liquid conduit only, being seatable against said shoulder, and a screw cap in common to block said air conduit and gravity stopper and liquid conduit.

579 O. G.—44

2,387,700

HULL OF MOTOR VESSELS

Ernest Frank Cribb, Vancouver, British Columbia, Canada
Application April 8, 1944, Serial No. 530,110
5 Claims. (Cl. 115—0.5)

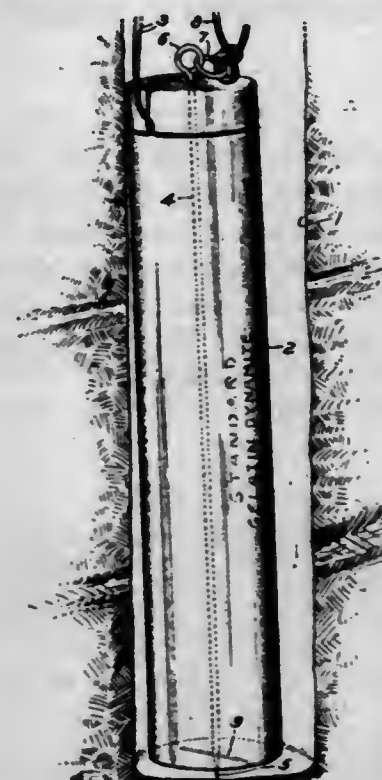


1. In a motor driven vessel, a hull having a counter and a skeg secured to said hull below the counter, said skeg comprising a hollow body pipe connected to the motor of the vessel to form a heat exchanger.

2,387,701

LOWERING DEVICE FOR LARGE CARTRIDGES

Thomas Dove, Jr., Pottsville, Pa., assignor to American Cyanamid & Chemical Corporation, New York, N. Y., a corporation of Delaware
Application January 27, 1943, Serial No. 473,715
2 Claims. (Cl. 102—22)



1. In combination an explosive package, an elongated rod penetrating the same, the end of which projects through the package, the projecting end of the rod being perforated, a breakable skewer in the perforated end of the rod, and a lowering device attached to the opposite end of the rod.

2,387,702

METHOD OF PREPARING ALPHA-NAPHTHYLMETHYL CHLORIDE

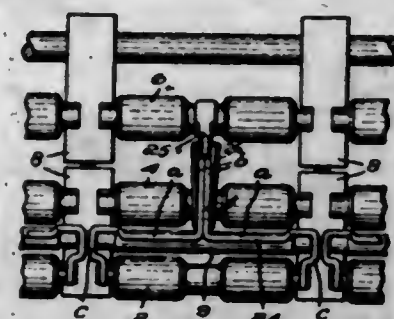
Charles E. Funk, Jr., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 4, 1942,
Serial No. 437,680
2 Claims. (Cl. 260—651)

1. The method of preparing alpha naphthylmethyl chloride, which comprises introducing an excess amount of substantially dry HCl gas into a fused mixture consisting of naphthalene and paraformaldehyde maintained at a temperature within the range of 75° to 85° C. to form alpha naphthylmethyl chloride and water, and to sweep the major portion of the water from the reaction zone.

2,387,703 WEIGHTING MECHANISM FOR SPINNING AND ROVING FRAMES

Robert M. Jones, Biddeford, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine

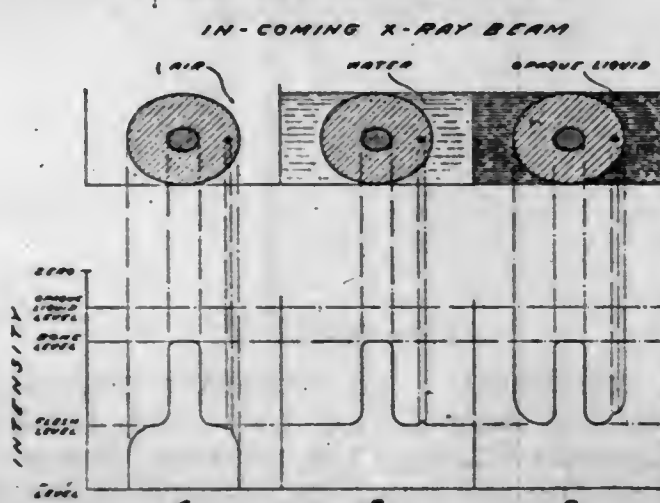
Application December 19, 1941, Serial No. 423,649
11 Claims. (Cl. 19—135)



1. In a drawing mechanism for spinning and roving frames, the combination with a top drawing roll and means supporting it in its operative position, of weighting mechanism for said roll comprising a T-shaped saddle including a bar straddling the fiber-engaging surfaces of said roll and having end portions bearing on the opposite end portions of the roll, said saddle including a shank portion extending from an intermediate part of said bar, and means connected with said shank portion for applying pressure to said saddle in a direction to weight the top roll.

2,387,704 X-RAY RADIOGRAPHY OF INCLUSIONS

Dan McLachlan, Jr., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Original application March 23, 1943, Serial No. 480,151. Divided and this application February 18, 1944, Serial No. 522,885
1 Claim. (Cl. 250—108)



A stable radiolucent paste comprising 100 parts of petrolatum and 50 parts of beeswax together with sufficient amounts of radiopaque substances to give a paste having a mass absorption coefficient for X-rays of predetermined wave-length equivalent to that of flash for X-rays of the same wave-length.

2,387,705 FLEXIBLE COUPLING

Herbert F. Oliver, West Springfield, Mass., assignor to The F. W. Sickles Company, Chicopee, Mass., a corporation of Massachusetts
Application March 31, 1944, Serial No. 528,924
4 Claims. (Cl. 64—12)

1. A flexible coupling construction comprising in combination, a pair of similar members hav-

ing bores for securing to shafts and provided with outwardly extending arm portions provided with balls having portions extending from op-



posite sides thereof, a pair of flexible plates secured together intermediate their ends having openings in opposite ends receiving said balls.

2,387,706 COMPOUNDS OF THE CYCLOPENTANO- POLYHYDROPHENANTHRENE SERIES AND PROCESS OF MAKING SAME

Tadeus Reichstein, Basel, Switzerland
No Drawing. Application January 12, 1943, Serial No. 472,158. In Switzerland April 15, 1942
7 Claims. (Cl. 260—397.1)

1. In a process for the manufacture of compounds of the cyclopentanopolyhydrophenanthrene series, the step of subjecting a member selected from the class consisting of a compound of the series of cholanolic acid, its lower homologues and the stereoisomers thereof, being substituted in ring A and containing a double bond in one of the positions 9:11 and 11:12, to oxidation by treating the same with chromic acid, whereby degradation of the side chain is effected.

2,387,707 INTERNAL-COMBUSTION ENGINE

Travis Bain Woolley, Dallas, Tex.
Application December 26, 1942, Serial No. 470,168
12 Claims. (Cl. 123—8)



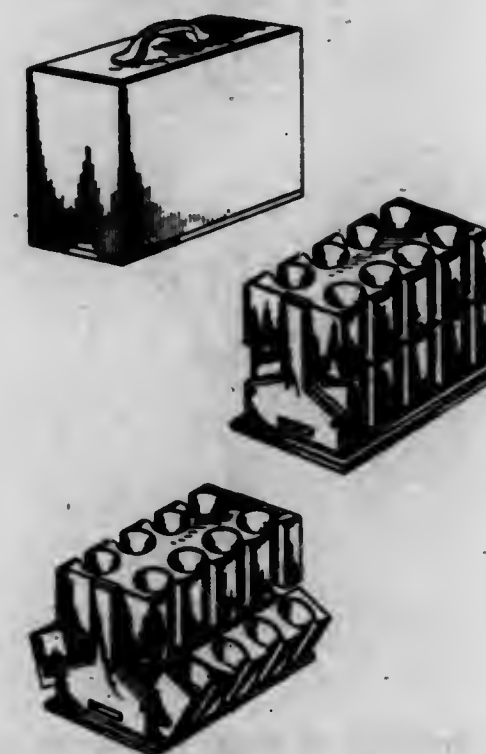
5. In an internal combustion engine, a housing, a rotary shaft journaled therein, a motion transmitting cam rotating with the shaft and adapted to impart motion thereto, an outer series of explosion chambers on the housing, means cooperating with the cam for forming an inner series of explosion chambers and transmitting motion to the cam under the forces of explosions in both series of chambers, and means for firing the charges in a predetermined order in the chambers of each series.

DESIGNS

OCTOBER 23, 1945

142,609 DESIGN FOR A CONTAINER FOR POKER CHIPS

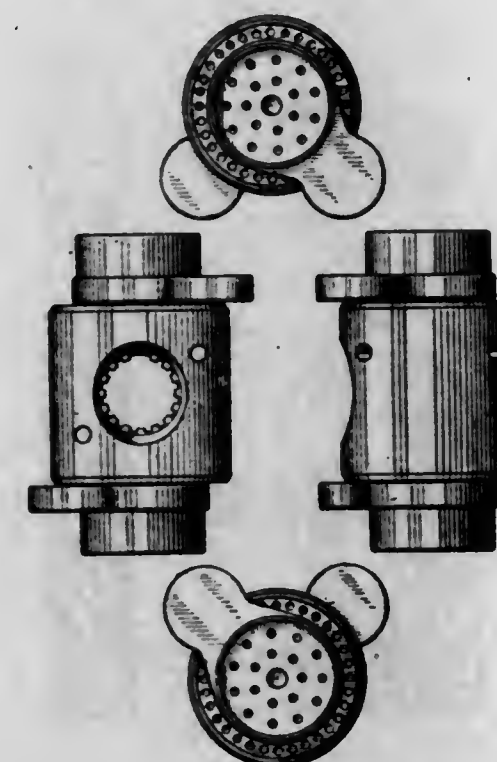
Thomas K. Almroth, Toledo, Ohio
Application June 6, 1945, Serial No. 119,940
Term of patent 3½ years
(Cl. D34—5)



The ornamental design for a container for poker chips, as shown.

142,610 DESIGN FOR A PROPELLER HUB

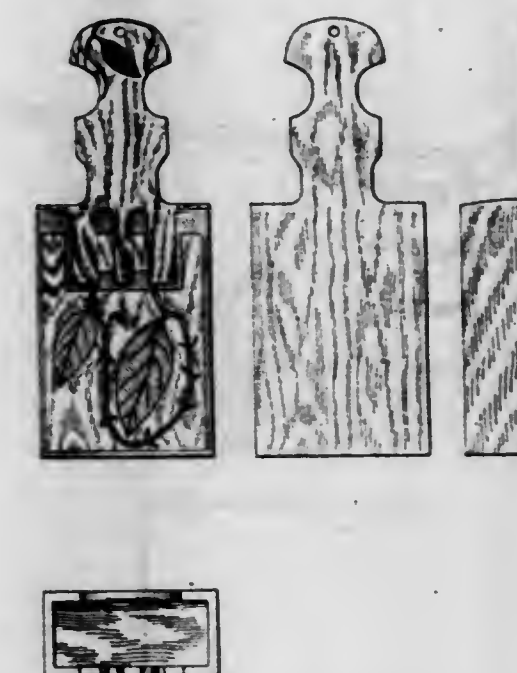
Griffith Annesley, New York, N. Y.
Application January 31, 1945, Serial No. 117,694
Term of patent 14 years
(Cl. D71—1)



The ornamental design for a propeller hub, as shown.

142,611 DESIGN FOR A BOOK HOLDER

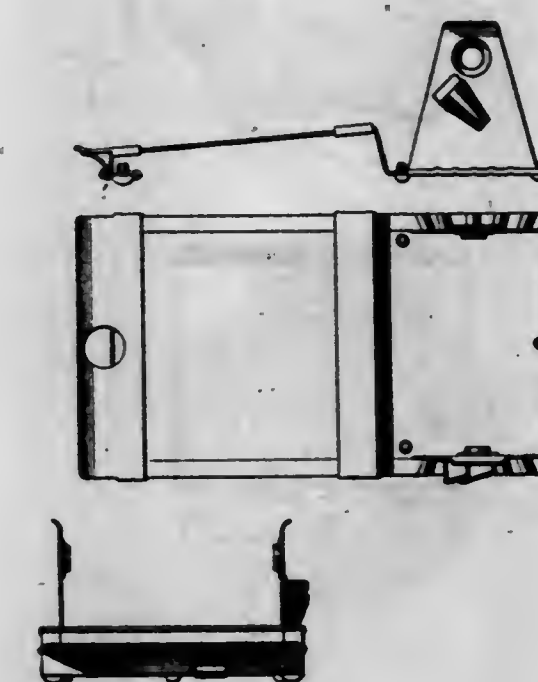
William P. Baham, Baton Rouge, La.
Application June 27, 1945, Serial No. 120,360
Term of patent 3½ years
(Cl. D33—1)



The ornamental design for a book holder, as shown.

142,612 DESIGN FOR A PAPER ROLL HOLDER OR SIMILAR ARTICLE

Fred Bletzinger, Sr., Chicago, Ill.
Application June 8, 1945, Serial No. 119,982
Term of patent 7 years
(Cl. D74—1)

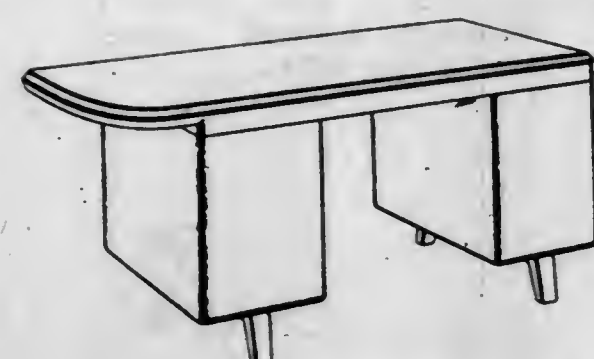
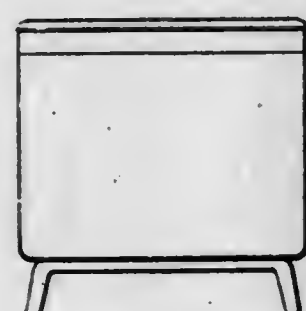
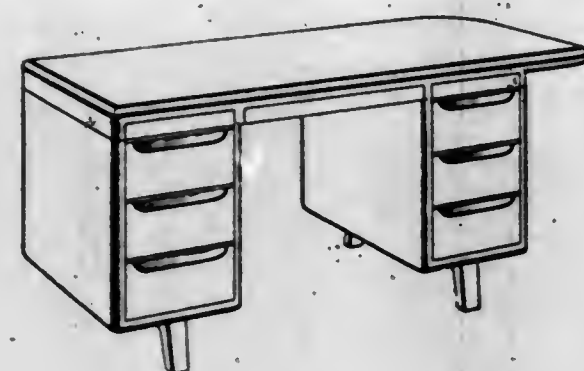


The ornamental design for a paper roll holder or similar article, as shown.

142,613

DESIGN FOR A DESK

George C. Brainard, Youngstown, Ohio, and Raymond Loewy, New York, N. Y., assignors to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio
Application June 22, 1945, Serial No. 120,258
Term of patent 14 years
(Cl. D33-7)

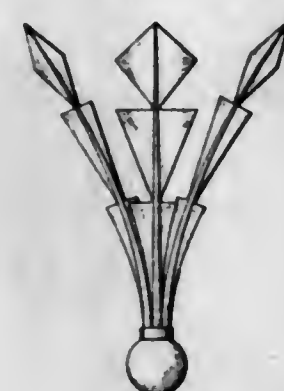
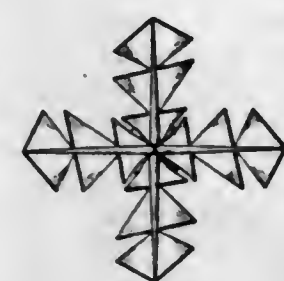


The ornamental design for a desk, as shown.

142,614

DESIGN FOR A SHUTTLECOCK OR SIMILAR ARTICLE

James L. Clark, Chicago, Ill.
Application June 16, 1945, Serial No. 120,156
Term of patent 14 years
(Cl. D34-5)



The ornamental design for a shuttlecock or similar article, substantially as shown.

142,615

DESIGN FOR A BOTTLE

Glen M. Clevenger, Linthicum Heights, Md., assignor to Maryland Glass Corporation, Baltimore, Md., a corporation of Maryland
Application June 15, 1945, Serial No. 120,121
Term of patent 7 years
(Cl. D58-6)



The ornamental design for a bottle, as shown.

142,616

DESIGN FOR A BOTTLE

Glen M. Clevenger, Linthicum Heights, Md., assignor to Maryland Glass Corporation, Baltimore, Md., a corporation of Maryland
Application June 15, 1945, Serial No. 120,122
Term of patent 7 years
(Cl. D58-6)

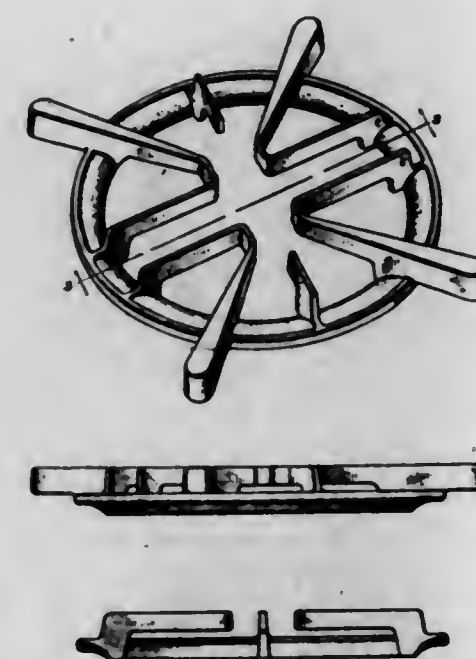


The ornamental design for a bottle, as shown.

142,617

DESIGN FOR A GRATE FOR A GAS BURNER

John D. Coleman, Detroit, Mich., assignor to The Aviation Corporation, New York, N. Y., a corporation of Delaware
Application June 4, 1945, Serial No. 119,886
Term of patent 14 years
(Cl. D81-25)



The ornamental design for a grate for a gas burner, substantially as shown.

142,618

DESIGN FOR A TOY GUN

Seth E. Dahlquist, Cadillac, Mich.
Application May 31, 1945, Serial No. 119,820
Term of patent 3 1/2 years
(Cl. D34-15)



The ornamental design for a toy gun, as shown.

142,619

DESIGN FOR A CONTAINER CAP

Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application June 6, 1945, Serial No. 119,928
Term of patent 14 years
(Cl. D58-26)

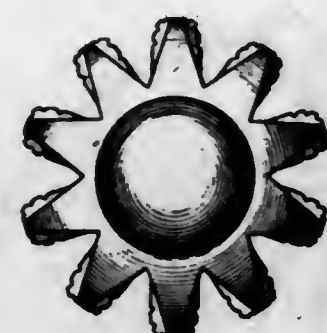


The ornamental design for a container cap, substantially as shown.

142,620

DESIGN FOR A CONTAINER CAP

Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application June 16, 1945, Serial No. 120,143
Term of patent 14 years
(Cl. D58-26)

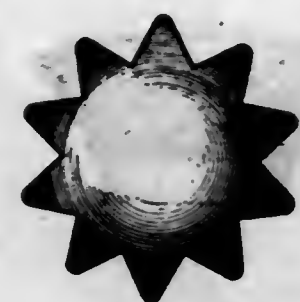


The ornamental design for a container cap, substantially as shown.

142,621

DESIGN FOR A CONTAINER CAP

Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application June 16, 1945, Serial No. 120,144
Term of patent 14 years
(Cl. D58-26)

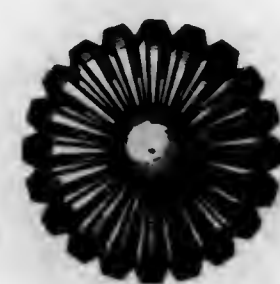


The ornamental design for a container cap, substantially as shown.

142,622

DESIGN FOR A CONTAINER CAP

Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application June 16, 1945, Serial No. 120,145
Term of patent 14 years
(Cl. D58-26)

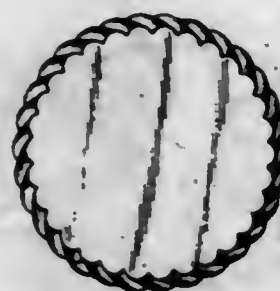


The ornamental design for a container cap, substantially as shown.

142,623

DESIGN FOR A CONTAINER CAP

Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, New York, N. Y., a corporation of New York
Application June 16, 1945, Serial No. 120,146
Term of patent 14 years
(Cl. D58-26)

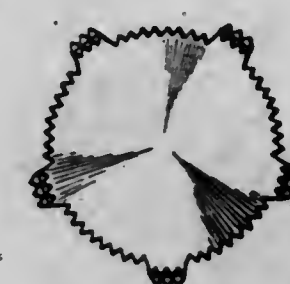


The ornamental design for a container cap, substantially as shown.

142,624

DESIGN FOR A CONTAINER CAP

Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application June 16, 1945, Serial No. 120,149
Term of patent 14 years
(Cl. D58-26)



The ornamental design for a container cap, substantially as shown.

142,625

DESIGN FOR A CONTAINER CAP

Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application June 16, 1945, Serial No. 120,150
Term of patent 14 years
(Cl. D58-26)

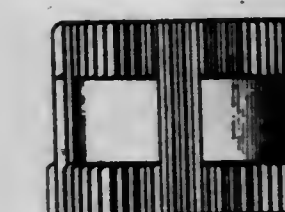
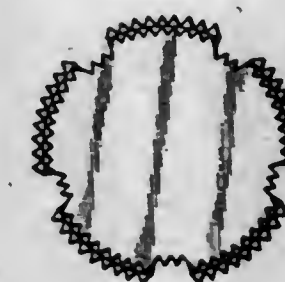


The ornamental design for a container cap, substantially as shown.

142,626

DESIGN FOR A CONTAINER CAP

Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application June 16, 1945, Serial No. 120,151
Term of patent 14 years
(Cl. D58-26)

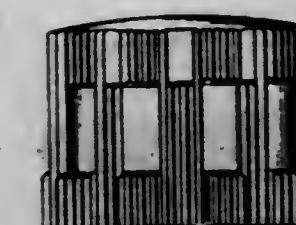
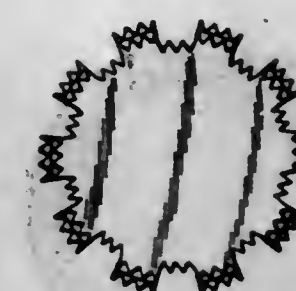


The ornamental design for a container cap, substantially as shown.

142,627

DESIGN FOR A CONTAINER CAP

Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application June 16, 1945, Serial No. 120,152
Term of patent 14 years
(Cl. D58-26)

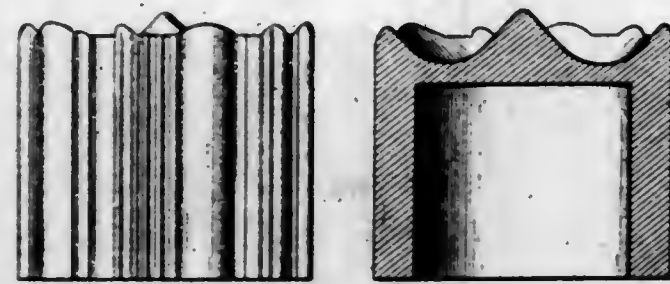


The ornamental design for a container cap, substantially as shown.

142,628

DESIGN FOR A CONTAINER CAP

Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application May 1, 1945, Serial No. 119,339
Term of patent 14 years
(Cl. D58—26)



The ornamental design for a container cap, substantially as shown.

142,629

DESIGN FOR A CONTAINER CAP

Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application June 26, 1945, Serial No. 120,342
Term of patent 14 years
(Cl. D58—26)

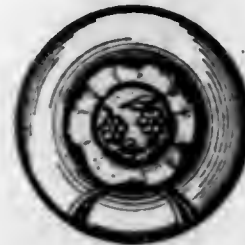


The ornamental design for a container cap, substantially as shown.

142,630

DESIGN FOR A BOTTLE

Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, New York, N. Y., a corporation of New York
Application June 26, 1945, Serial No. 120,341
Term of patent 14 years
(Cl. D58—9)

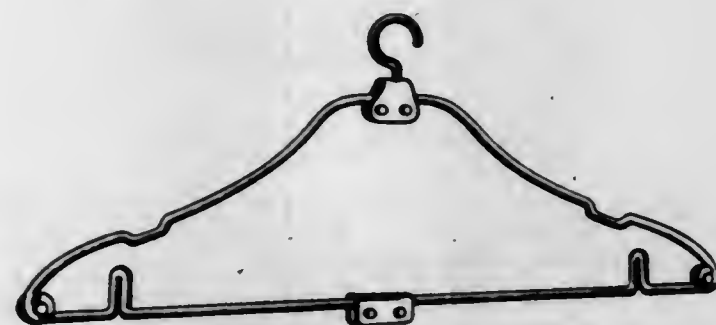


The ornamental design for a bottle, substantially as shown.

142,631

DESIGN FOR A GARMENT HANGER

Edward Percy Elston, Bradmore, Wolverhampton, England
Application April 6, 1945, Serial No. 118,871
In Great Britain November 24, 1944
Term of patent 14 years
(Cl. D80—8)



The ornamental design for a garment hanger, as shown.

142,632

DESIGN FOR AN ELECTRIC LIGHT FIXTURE

Edward Erger, Los Angeles, Calif., assignor to Robert S. Herman, Los Angeles, Calif.
Application January 15, 1945, Serial No. 117,432
Term of patent 3½ years
(Cl. D48—4)



The ornamental design for an electric light fixture, as shown and described.

142,633

DESIGN FOR AN ELECTRIC LIGHT FIXTURE

Edward Erger, Los Angeles, Calif., assignor to Robert S. Herman, Los Angeles, Calif.
Application January 15, 1945, Serial No. 117,433
Term of patent 3½ years
(Cl. D48—4)



The ornamental design for an electric light fixture, as shown and described.

142,634

DESIGN FOR AN ELECTRIC LIGHT FIXTURE

Edward Erger, Los Angeles, Calif., assignor to Robert S. Herman, Los Angeles, Calif.
Application January 15, 1945, Serial No. 117,434
Term of patent 3½ years
(Cl. D48—4)

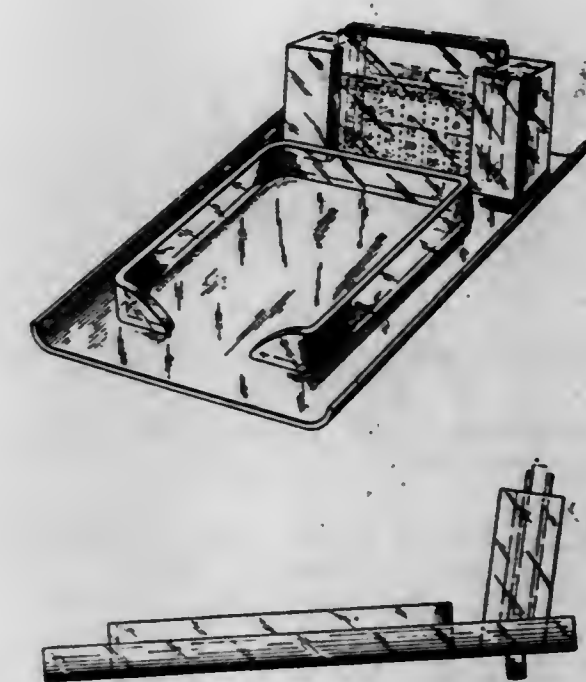


The ornamental design for an electric light fixture, as shown and described.

142,635

DESIGN FOR A COMBINATION CALENDAR

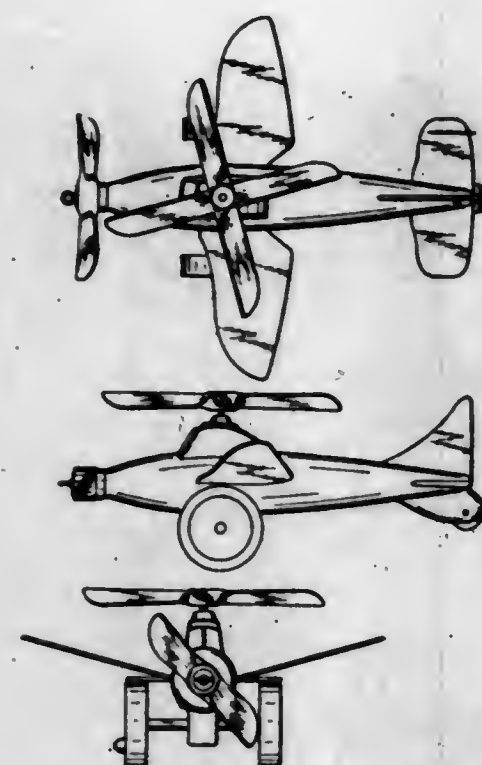
STAND AND SCRATCH PAD HOLDER
Joseph S. Fisher, Bronx, N. Y.
Application July 17, 1945, Serial No. 120,761
Term of patent 14 years
(Cl. D74—1)



The ornamental design for a combination calendar stand and scratch pad holder, as shown and described.

142,636

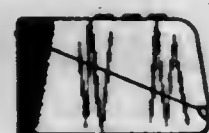
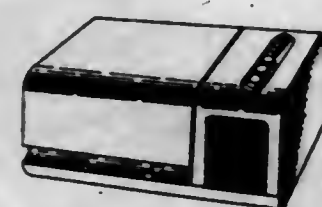
DESIGN FOR A HELICOPTER TOY
Michael J. Freemark, Breckenridge, Minn.
Application June 9, 1945, Serial No. 119,988
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a helicopter toy, substantially as shown.

142,637

DESIGN FOR A COMBINATION RADIO AND PHONOGRAPH CABINET
Alexander H. Girard, Grosse Pointe, Mich., assignor to International Detrola Corporation, Detroit, Mich., a corporation of Indiana
Application July 7, 1945, Serial No. 120,550
Term of patent 7 years
(Cl. D56—4)



The ornamental design for a combination radio and phonograph cabinet, as shown.

142,638

DESIGN FOR A COAT
Abe Gruber, New York, N. Y.
Application July 27, 1945, Serial No. 121,029
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

142,639

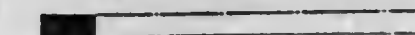
DESIGN FOR A FLEXIBLE BAND FOR A BRACELET OR SIMILAR ARTICLE
Victor Guglielmi, Leonia, N. J.
Application April 24, 1945, Serial No. 119,173
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a flexible band for a bracelet or similar article, as shown.

142,640

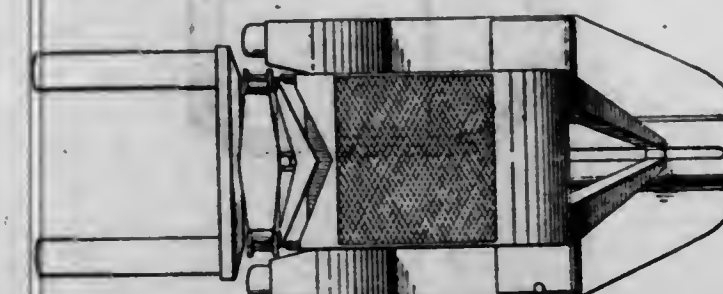
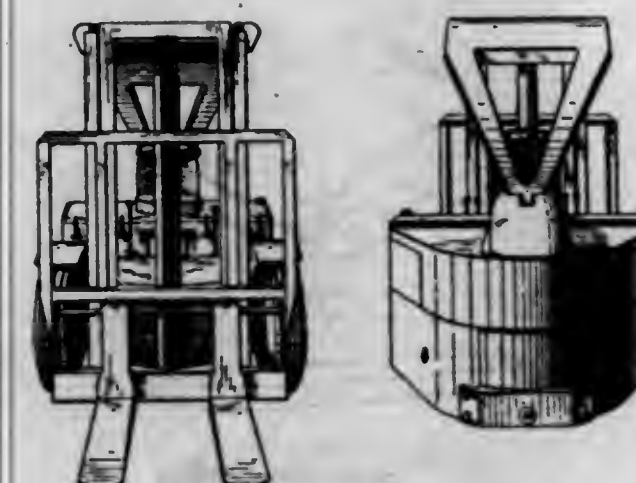
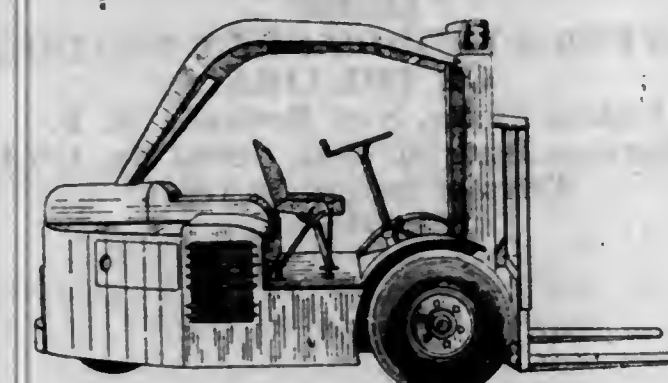
DESIGN FOR A FLEXIBLE BAND FOR A BRACELET OR SIMILAR ARTICLE
Victor Guglielmi, Leonia, N. J.
Application April 24, 1945, Serial No. 119,174
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a flexible band for a bracelet or similar article, as shown.

142,641

DESIGN FOR AN INDUSTRIAL TRUCK OR SIMILAR ARTICLE
George V. Johnson, Portland, Oreg., assignor to Willamette Hyster Company, Portland, Oreg., a corporation of Oregon
Application November 16, 1943, Serial No. 111,703
Term of patent 14 years
(Cl. D14—3)



The ornamental design for an industrial truck or similar article, substantially as shown and described.

142,642

DESIGN FOR A CLIP OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 4, 1945, Serial No. 120,516
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a clip or similar article, substantially as shown.

142,643

DESIGN FOR A CLIP OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 4, 1945, Serial No. 120,517
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a clip or similar article, substantially as shown.

142,644

DESIGN FOR A CLIP OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 4, 1945, Serial No. 120,518
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a clip or similar article, substantially as shown.

142,645

DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 4, 1945, Serial No. 120,519
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

142,646

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York

Application July 10, 1945, Serial No. 120,620
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

142,647

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Paul Kaufman, New York, N. Y.
Application June 29, 1945, Serial No. 120,405

Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

142,648

DESIGN FOR AN ELECTRIC IRON

Albert B. Klonne, Cincinnati, Ohio
Application June 30, 1945, Serial No. 120,431

Term of patent 14 years
(Cl. D49-6)



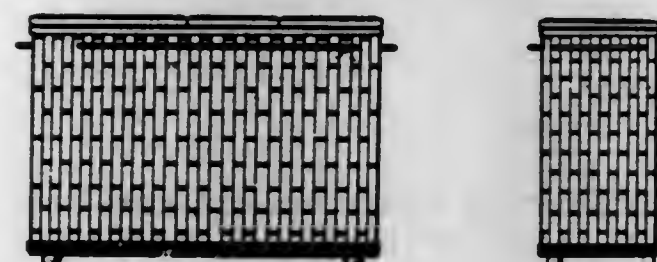
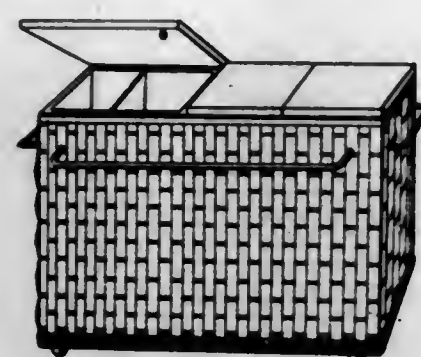
The ornamental design for an electric iron, substantially as shown.

142,649

DESIGN FOR A CLOTHES HAMPER

Jack J. Kohen, South Bend, Ind.
Application December 7, 1944, Serial No. 116,776

Term of patent 7 years
(Cl. D58-4)



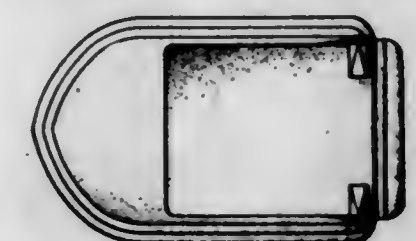
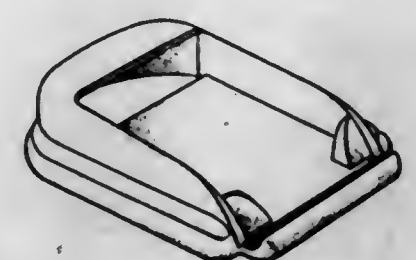
The ornamental design for a clothes hamper, as shown.

142,650

DESIGN FOR A MEMORANDUM PAD HOLDER OR THE LIKE

Joshua Meier, New Rochelle, N. Y.
Application June 30, 1945, Serial No. 120,429

Term of patent 14 years
(Cl. D74-1)



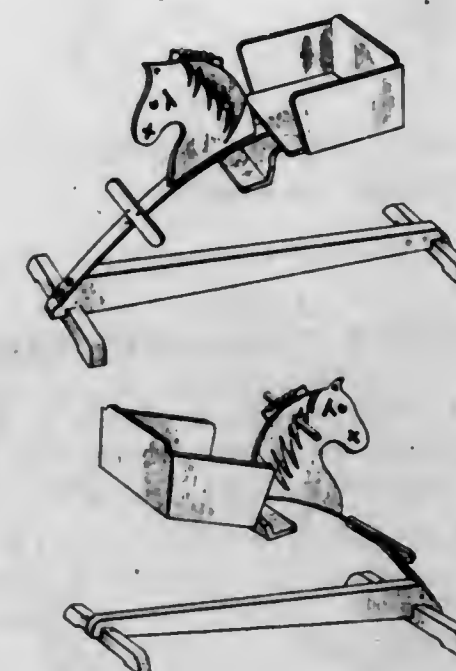
The ornamental design for a memorandum pad holder or the like, substantially as shown.

142,651

DESIGN FOR A HOBBYHORSE

George Earl Montague, Venice, and Robert C. Romero, Los Angeles, Calif.
Application December 26, 1944, Serial No. 117,084

Term of patent 3½ years
(Cl. D34-15)



The ornamental design for a hobbyhorse, substantially as shown.

142,652

DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE

Frank Morrow, Scituate, R. I.
Application February 15, 1945, Serial No. 117,953

Term of patent 3½ years
(Cl. D45-19)



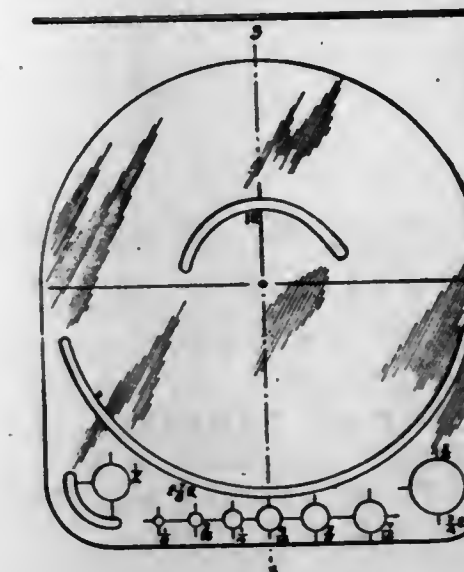
The ornamental design for a jewelry pin or similar article, substantially as shown.

142,653

DESIGN FOR A TEMPLATE

Elwood J. Muldoon, Detroit, Mich.
Application May 11, 1945, Serial No. 119,498

Term of patent 7 years
(Cl. D52-1)



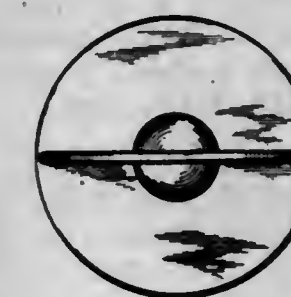
The ornamental design for a template, as shown.

142,654

DESIGN FOR A BOTTLE

Jesse H. Newport, Jr., Upper Darby, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application June 16, 1945, Serial No. 120,155

Term of patent 14 years
(Cl. D58-8)



The ornamental design for a bottle, substantially as shown.

142,655

DESIGN FOR AN EARRING

Alfred Philippe, Scarsdale, N. Y.
Application June 22, 1945, Serial No. 120,261

Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring, substantially as shown.

142,656

DESIGN FOR AN EARRING

Alfred Philippe, Scarsdale, N. Y.
Application June 22, 1945, Serial No. 120,262
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring, substantially as shown.

142,657

DESIGN FOR AN EARRING

Alfred Philippe, Scarsdale, N. Y.
Application June 27, 1945, Serial No. 120,353
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring, substantially as shown.

142,658

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y.
Application June 22, 1945, Serial No. 120,263
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

142,659

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y.
Application June 27, 1945, Serial No. 120,354
Term of patent 7 years
(Cl. D45-19)

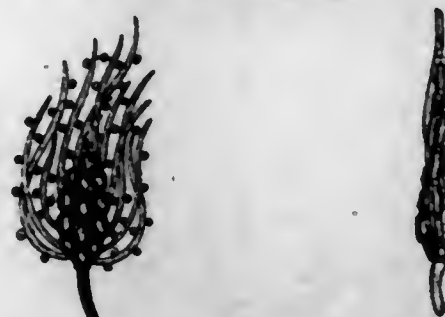


The ornamental design for a brooch or similar article, substantially as shown.

142,660

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y.
Application June 27, 1945, Serial No. 120,355
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

142,661

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y.
Application June 27, 1945, Serial No. 120,356
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

142,662

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y.
Application June 30, 1945, Serial No. 120,446
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or similar article, substantially as shown.

142,663

DESIGN FOR A BROOCH OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y.
Application June 30, 1945, Serial No. 120,447
Term of patent 7 years
(Cl. D45-19)

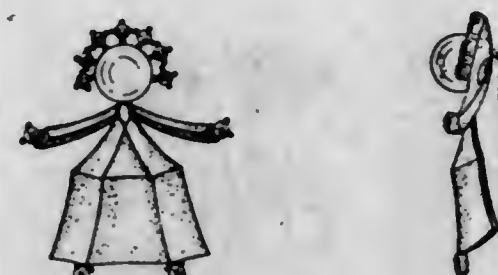


The ornamental design for a brooch or similar article, substantially as shown.

142,664

DESIGN FOR A CLIP OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y.
Application July 10, 1945, Serial No. 120,618
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a clip or similar article, substantially as shown.

142,665

DESIGN FOR A CLIP OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y.
Application July 10, 1945, Serial No. 120,619
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a clip or similar article, substantially as shown.

142,666

DESIGN FOR A CLIP OR SIMILAR ARTICLE

Alfred Philippe, Scarsdale, N. Y.
Application June 27, 1945, Serial No. 120,357
Term of patent 7 years
(Cl. D45-19)

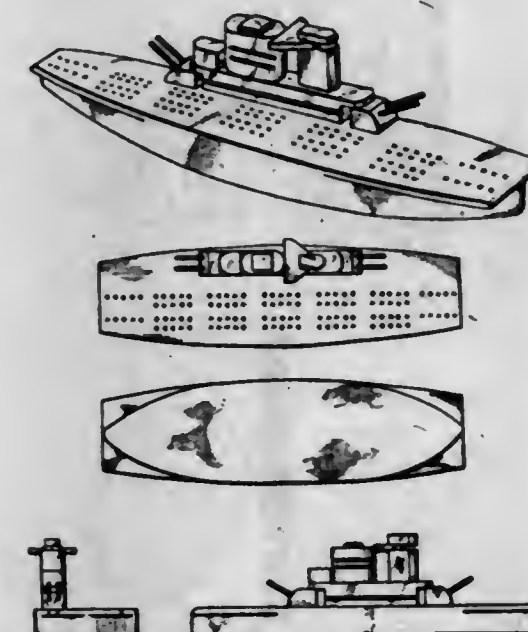


The ornamental design for a clip or similar article, substantially as shown.

142,667

DESIGN FOR A GAME BOARD

Darrel D. Price, Los Angeles, Calif., assignor to Thornton V. Allen, Los Angeles, Calif.
Application January 16, 1945, Serial No. 117,458
Term of patent 7 years
(Cl. D34-5)

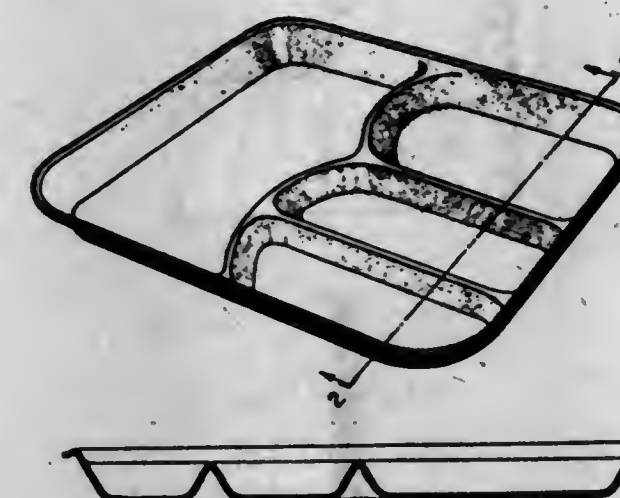


The ornamental design for a game board, as shown.

142,668

DESIGN FOR A PARTITIONED TRAY

Horace W. Raymond, Waterville, Maine
Application June 20, 1945, Serial No. 120,207
Term of patent 14 years
(Cl. D44-10)



The ornamental design for a partitioned tray, as shown.

142,669
**DESIGN FOR A BOOK OR ARTICLE OF
 SIMILAR NATURE**
 Wilfred Rogow, Bayonne, N. J.
 Application June 14, 1945, Serial No. 120,103
 Term of patent 7 years
 (Cl. D6—2)



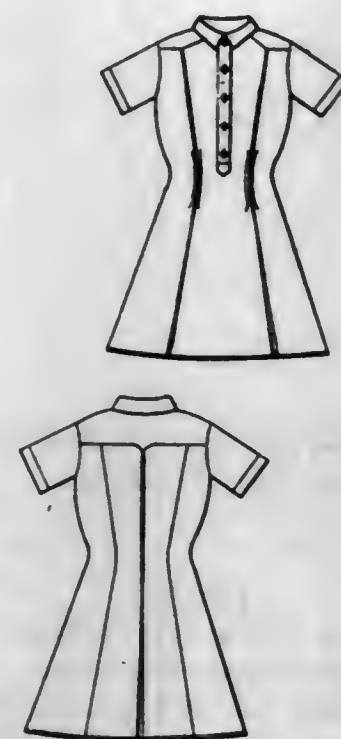
The ornamental design for a book or article of similar nature, as shown and described.

142,670
**DESIGN FOR A BOOK OR ARTICLE OF
 SIMILAR NATURE**
 Wilfred Rogow, Bayonne, N. J.
 Application June 14, 1945, Serial No. 120,104
 Term of patent 7 years
 (Cl. D6—2)



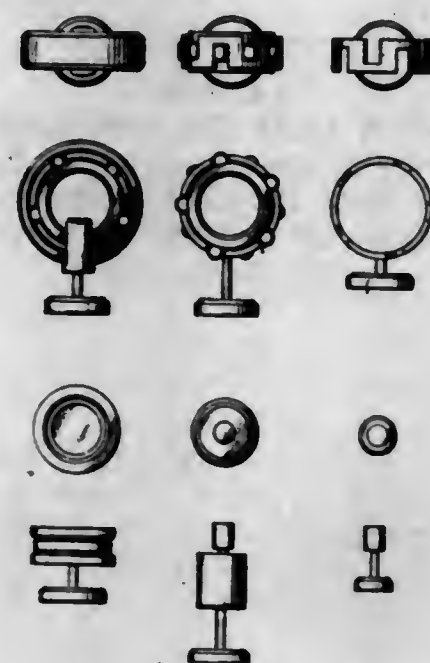
The ornamental design for a book or article of similar nature, as shown and described.

142,671
DESIGN FOR A SPORTS DRESS
 Isaac Rosenberg, St. Louis, Mo.
 Application August 24, 1944, Serial No. 115,002
 Term of patent 3½ years
 (Cl. D3—26)



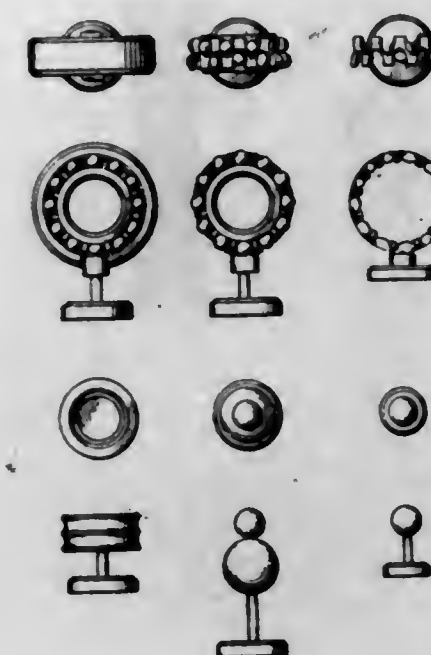
The ornamental design for a sports dress, substantially as shown.

142,672
DESIGN FOR A SET OF GAME PIECES
 Henry Schirokauer, New York, N. Y.
 Application July 5, 1945, Serial No. 120,528
 Term of patent 14 years
 (Cl. D34—5)



The ornamental design for a set of game pieces, substantially as shown.

142,673
DESIGN FOR A SET OF GAME PIECES
 Henry Schirokauer, New York, N. Y.
 Application July 5, 1945, Serial No. 120,529
 Term of patent 14 years
 (Cl. D34—5)



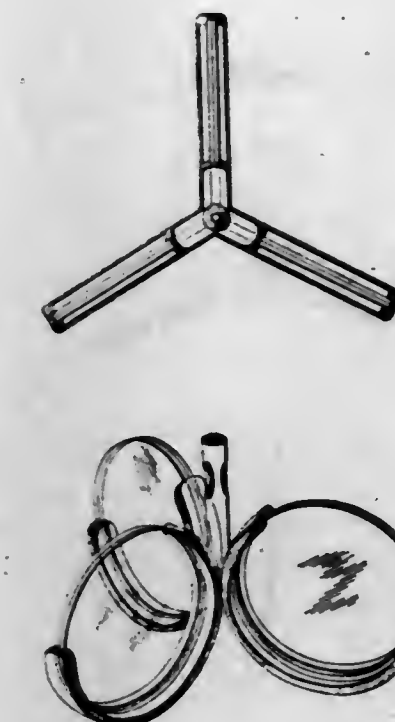
The ornamental design for a set of game pieces, substantially as shown.

142,674
DESIGN FOR A COMPACT OR THE LIKE
 Rubin Shatkin, Brooklyn, N. Y., assignor to
 Aaron Shatkin, Matawan, N. J.
 Application June 23, 1945, Serial No. 120,297
 Term of patent 7 years
 (Cl. D86—10)



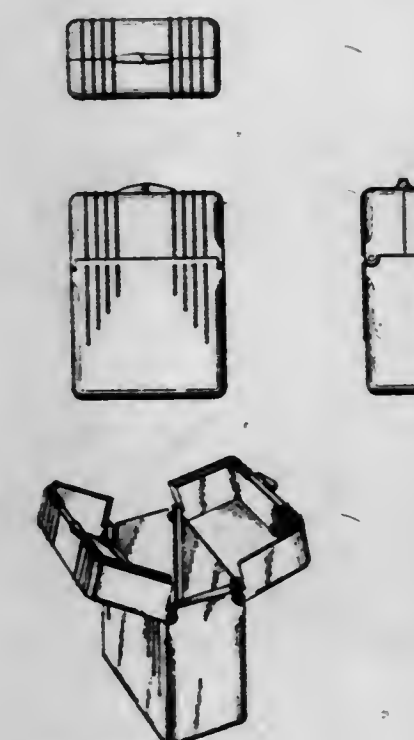
The ornamental design for a compact or the like, substantially as shown and described.
 579 O. G.—45

142,675
DESIGN FOR A MULTIPLE PICTURE FRAME
 Isaac B. Sherr, Los Angeles, Calif.
 Application March 7, 1945, Serial No. 118,296
 Term of patent 3½ years
 (Cl. D29—20)



The ornamental design for a multiple picture frame, substantially as shown.

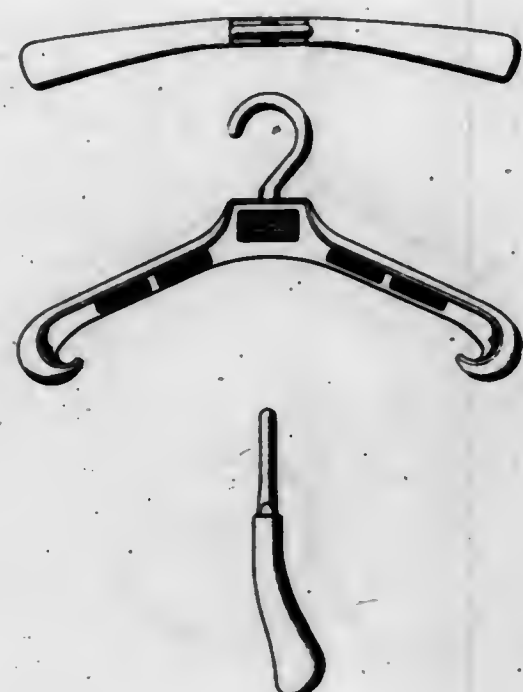
142,676
DESIGN FOR A CIGARETTE CASE
 Morris B. Siegel, Chicago, Ill.
 Application June 25, 1945, Serial No. 120,328
 Term of patent 14 years
 (Cl. D85—2)



The ornamental design for a cigarette case, as shown and described.

142,677

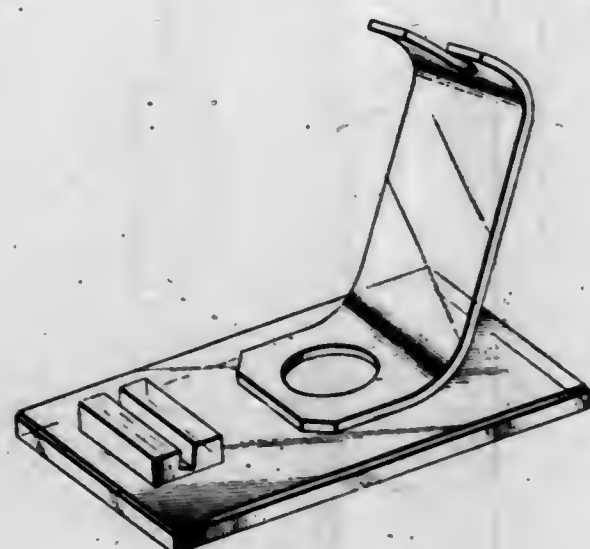
DESIGN FOR A GARMENT HANGER
 Richard Sklaar, Rochester, N. Y.
 Application February 2, 1945, Serial No. 117,732
 Term of patent $3\frac{1}{2}$ years
 (Cl. D80-8)



The ornamental design for garment hanger, as shown.

142,678

DESIGN FOR A COMBINED PIPE SUPPORT AND MATCH PACK HOLDER
 Donald J. Smith, Los Angeles, Calif.
 Application April 16, 1945, Serial No. 119,045
 Term of patent $3\frac{1}{2}$ years
 (Cl. D85-2)



The ornamental design for a combined pipe support and match pack holder, substantially as shown.

142,679

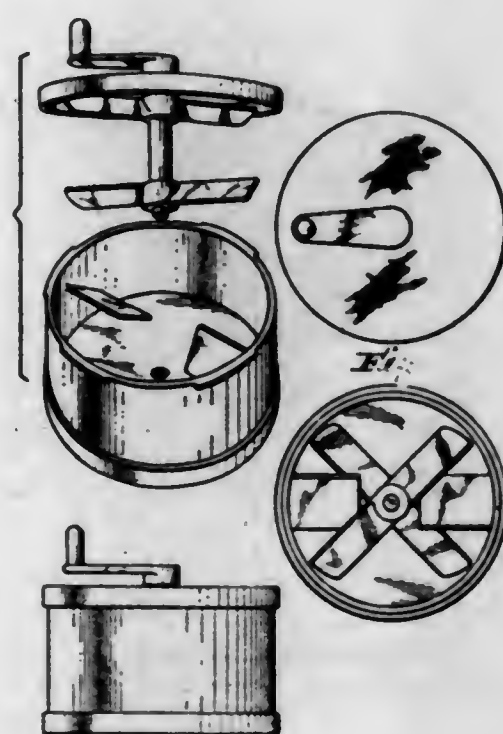
DESIGN FOR A LIPSTICK CONTAINER
 Paul Spiegel, Brooklyn, N. Y.
 Application July 13, 1945, Serial No. 120,691
 Term of patent 14 years
 (Cl. D86-10)



The ornamental design for a lipstick container, as shown.

142,680

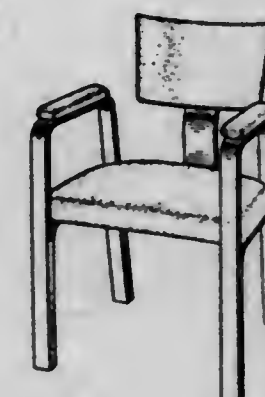
DESIGN FOR A MIXER FOR BUTTER OR THE LIKE
 Ray Swanson, Los Angeles, Calif., assignor of one-third to John L. Wade, Los Angeles, and one-third to William Wirt Lake, Pasadena, Calif.
 Application December 23, 1944, Serial No. 117,072
 Term of patent 14 years
 (Cl. D23-1)



The ornamental design for a mixer for butter or the like, as shown.

142,681

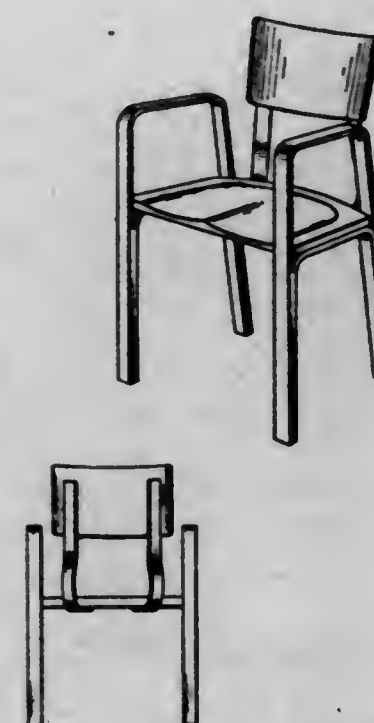
DESIGN FOR A CHAIR OR SIMILAR ARTICLE
 Bruno R. Weill, Statesville, N. C., assignor to Thonet Brothers, Inc., New York, N. Y.
 Application July 9, 1945, Serial No. 120,593
 Term of patent 7 years
 (Cl. D15-1)



The ornamental design for a chair or similar article, as shown.

142,682

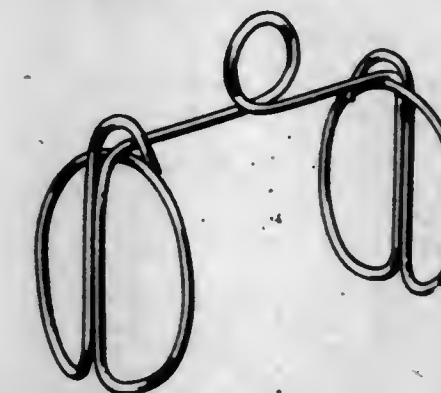
DESIGN FOR A CHAIR OR SIMILAR ARTICLE
 Bruno R. Weill, Statesville, N. C., assignor to Thonet Brothers, Inc., New York, N. Y.
 Application July 9, 1945, Serial No. 120,592
 Term of patent 7 years
 (Cl. D15-1)



The ornamental design for a chair or similar article, as shown.

142,683

DESIGN FOR A CLOTHESPIN
 Earnest C. Yeager, McGregor, Tex.
 Application July 19, 1945, Serial No. 120,813
 Term of patent 7 years
 (Cl. D17-6)



The ornamental design for a clothespin, as shown.

142,684

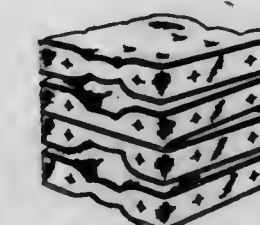
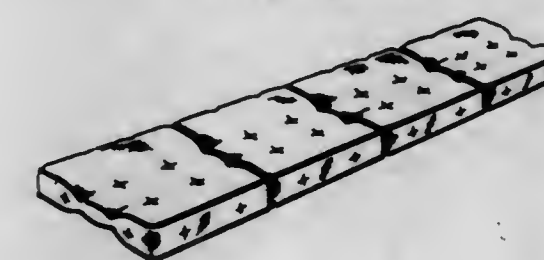
DESIGN FOR A WATCH BRACELET
 William A. Zorichak, Cloquet, Minn.
 Application April 26, 1945, Serial No. 119,234
 Term of patent $3\frac{1}{2}$ years
 (Cl. D45-4)



The ornamental design for a watch bracelet, substantially as shown and described.

142,685

DESIGN FOR A FOLDABLE EXERCISING MAT OR SIMILAR ARTICLE
 Engelbert Zinkel, San Francisco, Calif.
 Application May 29, 1944, Serial No. 113,985
 Term of patent 7 years
 (Cl. D5-2)



The ornamental design for a foldable exercising mat, or similar article, substantially as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

- Abbott Laboratories, North Chicago, Ill. Chemotherapeutic agents of bactericidal or bacteriostatic activity. Serial No. 482,266; Oct. 23. Class 6.
- Abrasive Tools Limited, London, England. Hand tools. Serial No. 483,359; Oct. 23. Class 23.
- Ace Carton Corporation, Chicago, Ill. Paper cartons. Serial Nos. 481,202-3; Oct. 23. Class 2.
- Adel Precision Products Corp., Burbank, Calif. Self-locking nuts and fasteners made of sheet metal. Serial No. 479,059; Oct. 23. Class 13.
- Admiral Corporation, Chicago, Ill. Electric stoves. Serial No. 479,831; Oct. 23. Class 21.
- American Cigarette and Cigar Company, New York, N. Y. Cigarettes. Serial No. 484,516; Oct. 23. Class 17.
- Associated Products Company: See—
Hall, Jay C.
- Aurora Manufacturing Co.: See—
Herz, Alfred.
- Basic Food Materials, Inc., Cleveland, Ohio. Compounded seasoning for meat products. Serial No. 427,727; Oct. 23. Class 46.
- Beatrice Creamery Company, Chicago, Ill. Dehydrated ice cream mix. Serial No. 484,607; Oct. 23. Class 46.
- Belmont Products Corporation, New York, N. Y. Fruit cake. Serial No. 485,623; Oct. 23. Class 46.
- Bis-Rheu Company: See—
Cook, Troy.
- Black and Decker Manufacturing Company, The, Towson, Md. Hand supported and controlled electric power driven shears. Serial No. 479,274; Oct. 23. Class 21.
- Blue Bell, Inc., Greensboro, N. C. Men's, women's, boys', and girls' overalls, jumpers, work jackets, etc. Serial No. 480,645; Oct. 23. Class 39.
- Borden Company, The, New York, N. Y. Ice cream. Serial No. 486,084; Oct. 23. Class 46.
- Boston Chemical Industries: See—
Stetson, Max.
- Burnham Boiler Corporation, Irvington, N. Y. Heating panels. Serial No. 484,442; Oct. 23. Class 34.
- Cannon Electric Development Company: See—
Cannon, James H.
- Cannon, James H., doing business as Cannon Electric Development Company, Los Angeles, Calif. Electrical equipment and parts therefor. Serial No. 461,966; Oct. 23. Class 21.
- Champagne Paper Corporation, Pisgah Forest, N. C. Cigarette paper booklets. Serial No. 485,197; Oct. 23. Class 8.
- Charles of the Ritz, Inc., New York, N. Y. Lipsticks and rouge. Serial No. 484,935; Oct. 23. Class 6.
- Charles of the Ritz, Inc., New York, N. Y. Perfumes and toilet water. Serial No. 484,937; Oct. 23. Class 6.
- Chemical Products Corporation, Lockland Station, Ohio. Feed for live stock and poultry. Serial No. 477,096; Oct. 23. Class 46.
- Coleman Company, Inc., The, Wichita, Kans. Thermodynamically controlled regulating apparatus. Serial No. 485,328; Oct. 23. Class 26.
- Columbian Steel Tank Company, Kansas City, Mo. Sheet metal concrete forms, steel stairways, steel towers, etc. Serial No. 478,499; Oct. 23. Class 12.
- Cook, Troy, doing business as Bis-Rheu Company, Cumberland, Ky. Preparation for the relief of gastric disturbances, sour stomach, etc. Serial No. 485,045; Oct. 23. Class 6.
- Corning Glass Works, Corning, N. Y. Glass articles. Serial No. 474,477; Oct. 23. Class 21.
- Crampton, David, doing business as Highside Chemicals Co., Newark, N. Y. Chemical preparation. Serial No. 484,046; Oct. 23. Class 6.
- Crystal, David, Inc., New York, N. Y. Women's, misses', and girls' fabric clothing. Serial No. 479,555; Oct. 23. Class 39.
- Davis Fishing Tackle Co.: See—
Davis, Lester M.
- Davis, Lester M., doing business as Davis Fishing Tackle Co., Tacoma, Wash. Fishing trolis. Serial No. 483,901; Oct. 23. Class 22.
- Decker, James L., doing business as James L. Decker Products Co., Los Angeles, Calif. Blow guns, blow darts, and targets. Serial No. 486,478; Oct. 23. Class 22.
- Decker, James L., Products Co.: See—
Decker, James L.
- Delano-White Plastics & Engineering Company, Detroit, Mich. Toy rattles. Serial No. 482,619; Oct. 23. Class 22.
- Dinuba Canning Co., Inc., Dinuba, Calif. Canned tomato puree. Serial No. 485,332; Oct. 23. Class 46.
- Don Juan, Inc., New York, N. Y. Lipsticks, rouge, and face powder. Serial No. 481,698; Oct. 23. Class 6.
- Donné, John D., New York, N. Y. Woolen piece goods. Serial No. 478,648; Oct. 23. Class 42.
- Du Pont, E. I., de Nemours and Company, Wilmington, Del. Synthetic resinous fluorine. Serial No. 479,666; Oct. 23. Class 1.
- East Weymouth Wool Scouring Co., The, East Weymouth, Mass. Raw wool. Serial No. 481,699; Oct. 23. Class 1.
- Eisemann, Erna, doing business as Pygmalion, Chicago, Ill. Keycases, purses, billfolds, etc. Serial No. 483,815; Oct. 23. Class 3.
- Electrol Incorporated, Kingston, N. Y. Hydraulic valves and valve actuating mechanisms, hydraulic pumps, etc. Serial No. 481,891; Oct. 23. Class 23.
- Exolon Company, The, Tonawanda, N. Y. Abrasive wheels and hones. Serial No. 471,736; Oct. 23. Class 4.
- Felker Manufacturing Co.: See—
Felker, Max N.
- Felker, Max N., doing business as Felker Manufacturing Co., Torrance, Calif. Grinding wheels with diamond dust and/or diamond impregnated material inserted therein. Serial No. 478,863; Oct. 13. Class 4.
- Fox, I. J., Inc., New York, N. Y. Women's mink fur coats, mink fur scarfs, and mink fur collars and cuffs. Serial No. 477,410; Oct. 23. Class 39.
- Gluck, Joseph, New York, N. Y. Rayon piece goods. Serial No. 481,947-8; Oct. 23. Class 42.
- Gordon, Joseph M., New York, N. Y. Partly transparent protecting envelope. Serial No. 484,948; Oct. 23. Class 37.
- Granville Laboratories, Chicago, Ill. Shampoos. Serial No. 483,686; Oct. 23. Class 6.
- Hall, Jay C., doing business under the name and style of Associated Products Company, Huntington Park, Calif. Scalp preparation. Serial No. 472,324; Oct. 23. Class 6.
- Heiman, H., Company: See—
Heiman, Henry.
- Heiman, Henry, doing business as H. Heiman Company, New York, N. Y. Food flavoring extracts and food flavors. Serial No. 485,344; Oct. 23. Class 46.
- Herz, Alfred, doing business as Aurora Manufacturing Co., Brooklyn, N. Y. Soluble sour, liquid stripper, starch lubricator, etc. Serial No. 483,429; Oct. 23. Class 6.
- Highside Chemicals Co.: See—
Crampton, David.
- Hilliard Corporation, The, Elmira, N. Y. Periodical relating to lubricating, fuel and industrial oils. Serial No. 482,573; Oct. 23. Class 38.
- Holt, George N., doing business as Speed Manufacturing Co., Huntington Park, Calif. Chemically impregnated cloth. Serial No. 483,858; Oct. 23. Class 4.
- Hooker Glass & Paint Mfg. Co., Chicago, Ill. Liquid paint and paint enamel. Serial No. 483,430; Oct. 23. Class 16.
- Hummel-Ross Fibre Corporation, Hopewell, Va. Paper and paper board. Serial No. 484,299; Oct. 23. Class 37.
- International Nickel Company, Inc., The, New York, N. Y. Heat treatable high expansion nickel alloy. Serial No. 483,534; Oct. 23. Class 14.
- International Nickel Company, Inc., The, New York, N. Y. Heat treatable low expansion nickel alloy. Serial No. 482,535; Oct. 23. Class 14.
- International Nickel Company, Inc., The, New York, N. Y. Heat treatable constant modulus nickel alloy. Serial No. 482,536; Oct. 23. Class 14.
- J. & H. Manufacturing Company, Dallas, Tex. Medicinal preparation. Serial No. 485,347; Oct. 23. Class 6.
- Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames and parts therefor. Serial Nos. 486,208-9; Oct. 23. Class 26.
- King, Emmett M., New York, N. Y. Perfume, colognes, toilet water, etc. Serial No. 484,301; Oct. 23. Class 6.
- Knemark Manufacturing Co., Brooklyn, N. Y. Dressing, cleaner and polish. Serial Nos. 483,065-6; Oct. 23. Class 4.
- Lederle Laboratories, Inc., New York, N. Y. Sulfanilamide in oil preparation. Serial No. 484,899; Oct. 23. Class 6.
- Legrand Chemical Co., Brooklyn, N. Y. Soap compound. Serial No. 484,206; Oct. 23. Class 4.
- Lehn & Fink Products Corporation, Bloomfield, N. J. Perfume, lipstick, nail polish, etc. Serial No. 478,429; Oct. 23. Class 6.
- Lever Brothers Company, Cambridge, Mass. Dentifrices. Serial No. 481,149; Oct. 23. Class 6.
- Levy, Maurice, New York, N. Y. Perfume and toilet water. Serial No. 484,746; Oct. 23. Class 6.
- Linen Thread Co., Inc., The, New York, N. Y. Linen thread. Serial No. 483,252; Oct. 23. Class 43.
- Mademoiselle Company, The, Philadelphia, Pa. Flannel pads coated with a cream liquid for removing stale facial make-up. Serial No. 471,875; Oct. 23. Class 6.
- McKesson & Robbins, Incorporated, New York, N. Y. Antiseptic and soothing ointment. Serial Nos. 484,352-3; Oct. 23. Class 6.

LIST OF TRADE-MARK APPLICANTS

Metal & Alloy Specialties Co., Inc., Buffalo, N. Y. Metal castings. Serial No. 485,357; Oct. 23. Class 14.
 Miller, Lee William, Glendale, Calif. After shaving lotion and cologne. Serial No. 481,643; Oct. 23. Class 6.
 Moss Stores, Inc., San Francisco, Calif. Women's and misses' hosiery. Serial No. 479,159; Oct. 23. Class 39.
 Nathan Products Corporation, New York, N. Y. Handbags and suitcases. Serial No. 486,692; Oct. 23. Class 3.
 National Enamelling & Stamping Company, Milwaukee, Wis. Woven wicks. Serial No. 485,691; Oct. 23. Class 34.
 National Screw & Manufacturing Company, The, Cleveland, Ohio. Spokes and nipples for vehicle wheels. Serial No. 485,416; Oct. 23. Class 19.
 Nedick's Stores, Inc., New York, N. Y. Meat products and bakery products. Serial No. 471,164; Oct. 23. Class 46.
 Northrop & Company, Inc., New York, N. Y. Pipe joint compounds. Serial No. 478,143; Oct. 23. Class 12.
 Nova Chemical Corporation, New York, N. Y. Dyestuffs used in dyeing. Serial No. 484,582; Oct. 23. Class 6.
 Odara Products Co.: See—
 Wedel, Carl J.
 Optical Products Company, New York, N. Y. Spectacle frames. Serial No. 483,695; Oct. 23. Class 26.
 Orthmann Laboratories, Inc., The, Milwaukee, Wis. Shoe and leather finish or dressing. Serial No. 485,234; Oct. 23. Class 4.
 Osgood's India Chologogue, Incorporated, Stamford, Conn. Antimalarial. Serial No. 484,970; Oct. 23. Class 6.
 Patterson, Sara Anne, Denver, Colo. Educational game board. Serial No. 486,804; Oct. 23. Class 22.
 Phillips-Jones Corporation, New York, N. Y. Men's neckties and scarfs. Serial No. 482,439; Oct. 23. Class 39.
 Piedmont Mills, Inc., Lynchburg, Va. Self-rising biscuit flour. Serial No. 482,391; Oct. 23. Class 46.
 Pikle-Rite Company, Not Inc.: See—
 Wood, John A.
 Pipes, Inc., New York, N. Y. Smoking pipes. Serial No. 484,462; Oct. 23. Class 8.
 Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Pillow cases, comforters, sheets, etc. Serial No. 483,736; Oct. 23. Class 42.
 Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Pillow cases, comforters, sheets, etc. Serial No. 483,738; Oct. 23. Class 42.
 Prendiville, Jane, New York, N. Y. Women's and children's apparel. Serial No. 470,671; Oct. 23. Class 39.
 Primrose House, Inc., New York, N. Y. Soap. Serial No. 485,237; Oct. 23. Class 4.
 Procter & Gamble Company, The, Cincinnati, Ohio. Cooking and salad oil. Serial No. 484,636; Oct. 23. Class 46.
 Purex Corporation, Ltd., South Gate, Calif. Pharmaceutical preparation. Serial No. 459,313; Oct. 23. Class 6.
 Pygmalion: See—
 Eisenmann, Erna.
 Pyrene Manufacturing Company, Newark, N. J. Fire extinguishing apparatus. Serial No. 481,127; Oct. 23. Class 13.
 Quality Art Novelty Co., Inc., Long Island City, N. Y. Greeting cards. Serial No. 483,587; Oct. 23. Class 38.
 Quality Products Co., Inc., New York, N. Y. Cosmetic travel and beauty kits. Serial No. 479,694; Oct. 23. Class 6.
 Raymond Laboratories, Inc., St. Paul, Minn. Beauty supplies. Serial No. 480,350; Oct. 23. Class 6.
 Remond-Holland, Inc., New York, N. Y. Piece goods made of rayon and silk. Serial Nos. 479,730-1; Oct. 23. Class 42.
 Republic Aviation Corporation, Farmingdale, Long Island, N. Y. Airplanes. Serial No. 480,122; Oct. 23. Class 19.
 Republic Aviation Corporation, Farmingdale, Long Island, N. Y. Airplanes. Serial No. 480,788; Oct. 23. Class 19.
 Republic Aviation Corporation, Farmingdale, Long Island, N. Y. Airplanes. Serial No. 481,162; Oct. 23. Class 19.
 Resistoflex Corporation, Belleville, N. J. Gloves, aprons, caps, etc. Serial No. 482,645; Oct. 23. Class 39.
 Resistoflex Corporation, Belleville, N. J. Plasticizing solutions. Serial No. 482,646; Oct. 23. Class 6.
 Resistoflex Corporation, Belleville, N. J. Paint for gas. Serial No. 482,647; Oct. 23. Class 16.
 Resistoflex Corporation, Belleville, N. J. Molded plastic pump rotors, shock bumpers, etc. Serial No. 482,648; Oct. 23. Class 23.
 Rhodes Plastic Products, Inc., New York, N. Y. Garment hangers. Serial No. 484,639; Oct. 23. Class 50.
 Rich, Esther, New York, N. Y. Shoe laces and garment tracings. Serial No. 461,005; Oct. 23. Class 40.
 Rose Dew Products Company, The, Los Angeles, Calif. Hand cleanser preparation. Serial No. 483,386; Oct. 23. Class 4.
 Rubel, John, doing business as John Rubel Co., New York, N. Y. Cosmetics—namely, perfume. Serial No. 485,150; Oct. 23. Class 6.
 Rubel, John, Co.: See—
 Rubel, John.

S. & F. Sales Associates, New York, N. Y. Cakes and cookies. Serial No. 483,876; Oct. 23. Class 46.
 Samuels Shoe Company, St. Louis, Mo. Women's leather shoes. Serial No. 488,007; Oct. 23. Class 39.
 Schuykill Chemical Company, The, Philadelphia, Pa. Agricultural spray. Serial No. 484,804; Oct. 23. Class 6.
 Schweitzer, Peter J., Inc., New York, N. Y. Writing paper. Serial No. 484,978; Oct. 23. Class 37.
 Scott & Bowne, Bloomfield, N. J. Cod liver oil food tonic, cough syrup and skin ointment. Serial No. 482,443-4; Oct. 23. Class 6.
 Sel-Mor Garment Company, Inc., St. Louis, Mo. Lingerie. Serial No. 484,710; Oct. 23. Class 39.
 Shane, Leroy, Topeka, Kans. Novelties and specialties of various kinds. Serial No. 460,775; Oct. 23. Class 28.
 Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation effective as a tonic and for treating anemia, etc. Serial No. 483,350; Oct. 23. Class 6.
 Silverman, Henry S., New York, N. Y. Photographic prints. Serial No. 477,587; Oct. 23. Class 38.
 Silverstine Garment Company, Chicago, Ill. Women's wash dresses, house frocks, and play suits. Serial No. 475,093; Oct. 23. Class 39.
 Sonneborn, L., Sons, Inc., New York, N. Y. Paste filler for finishing fabrics. Serial No. 485,164; Oct. 23. Class 6.
 Sonneborn, L., Sons, Inc., New York, N. Y. Liquid composition. Serial No. 485,165; Oct. 23. Class 6.
 Sonneborn, L., Sons, Inc., New York, N. Y. U. S. P. heavy medicinal white mineral oil. Serial No. 485,167; Oct. 23. Class 6.
 Speed Manufacturing Co.: See—
 Holt, George N.
 Standard Brands Incorporated, New York, N. Y. Oleomargarine. Serial No. 485,660; Oct. 23. Class 46.
 Standen & Company Limited, London, England. Piece goods made of wool. Serial No. 470,358; Oct. 23. Class 42.
 Star Pin Company, The, Derby, Conn. Pins, hairpins, bob pins, etc. Serial No. 483,747; Oct. 23. Class 40.
 Stetson, Max, doing business as Boston Chemical Industries, Boston, Mass. Furniture polish and floor wax. Serial No. 484,279; Oct. 23. Class 16.
 Stevens, W., & Co.: See—
 Stevens, William S.
 Stevens, William S., doing business as W. Stevens & Co., London, England. Lotions and liniments for veterinary use. Serial No. 483,666; Oct. 23. Class 6.
 Stimpson, George, Washington, D. C. Sections in periodical publications. Serial No. 485,482; Oct. 23. Class 38.
 Strauss, Victor, New York, N. Y. Books, catalogues, posters, etc. Serial No. 481,444; Oct. 23. Class 38.
 Synvar Corporation, Wilmington, Del. Solid urea-formaldehyde and phenol formaldehyde resins. Serial No. 482,857; Oct. 23. Class 1.
 Takk Corporation, The, Newark, Ohio. High voltage insulation testers. Serial No. 479,823; Oct. 23. Class 26.
 Tec Chemical Corporation, New York, N. Y. Proteolytic and diastatic enzyme. Serial No. 483,559; Oct. 23. Class 6.
 Timber Engineering Company, Washington, D. C. Spacing and reinforcing elements primarily of wood. Serial No. 479,736; Oct. 23. Class 12.
 Tomasello, T. O., Watsonville, Calif. Fresh vegetables. Serial Nos. 485,379-82; Oct. 23. Class 46.
 Towne Talk Company, Los Angeles, Calif. Jam and maraschino cherries. Serial No. 470,691; Oct. 23. Class 46.
 United Paper Company, Tampa, Fla. Waxed paper, waxed innerwrap wrapping papers, etc. Serial No. 484,990; Oct. 23. Class 37.
 Universal Handicrafts Service, Inc., New York, N. Y. Looms. Serial No. 485,311; Oct. 23. Class 23.
 Volitant Publishing Company, New York, N. Y. Magazines of crime and detective stories. Serial No. 472,486; Oct. 23. Class 38.
 Wallingsford, Armour, Los Angeles, Calif. Laboratory film ink. Serial No. 480,357; Oct. 23. Class 11.
 Waterman, L. E., Company, New York, N. Y. Fountain pens, mechanical pencils, and parts thereof. Serial No. 485,111; Oct. 23. Class 37.
 Wedel, Carl J., doing business as Odara Products Co., St. Louis, Mo. Gum massage, gargle, astringent, and mouth wash. Serial No. 471,888; Oct. 23. Class 6.
 Weston, George, Limited, Passaic, N. J. Cookies. Serial No. 475,288; Oct. 23. Class 46.
 Whitehall Pharmacal Company, New York, N. Y. Medicinal preparation for internal use. Serial No. 485,181; Oct. 23. Class 6.
 Wiederschall, Sylvan, Co., New York, N. Y. Fur capes, fur coats, fur jackets, etc. Serial No. 482,029; Oct. 23. Class 39.
 Witz, S. J., & Company, Chicago, Ill. Carbon paper. Serial No. 483,357; Oct. 23. Class 11.
 Wood, John A., doing business as Pikle-Rite Company, Not Inc., Pulaski, Wis., and Chicago, Ill. Prepared bottled pickles. Serial No. 470,931; Oct. 23. Class 46.
 Wright-Batchelder Corporation, Boston, Mass. Shoe welts. Serial No. 480,486; Oct. 23. Class 39.

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Advice Machine and Manufacturing Company: See—
 Schwimmer, Oscar.
 Aisenstein, Louis, & Bros., New York, N. Y. Watches and watch movements. 417,349; Oct. 23; Serial No. 483,360; published Aug. 14, 1945. Class 27.
 Aisenstein, Louis, & Bros., New York, N. Y. Glass cigarette boxes and glass ash trays. 417,363; Oct. 23; Serial No. 483,804; published Aug. 14, 1945. Class 8.
 Aisenstein, Louis, & Bros., New York, N. Y. Glass picture frames. 417,364; Oct. 23; Serial No. 483,805; published Aug. 7, 1945. Class 32.
 All-Best Specialties Corp., New York, N. Y. Nursing bottle holders. 417,311; Oct. 23; Serial No. 481,169; published Aug. 7, 1945. Class 44.
 American News Company, Inc., The, to The American News Company, Inc., New York, N. Y. Trade journals, pamphlets, or so-called bus organs. 202,237; renewed Aug. 18, 1945. O. G. Oct. 23. Class 38.
 American News Company, Inc., The, to The American News Company, Inc., New York, N. Y. Library outfit. 204,186; renewed Oct. 13, 1945. O. G. Oct. 23. Class 50.
 American News Company, Inc., The: See—
 American News Company, Inc., The.
 American Optical Company, Southbridge, Mass. Protection glasses. 417,287; Oct. 23; Serial No. 470,365; published Aug. 14, 1945. Class 26.
 American Printers' Roller Company: See—
 Donegan, Daniel H.
 American Roller Company: See—
 Donegan, Daniel H.
 American Tobacco Co., The, Newark, N. J., and New York, to The American Tobacco Company, New York, N. Y. Cigars, cheroots, cigarettes, etc. 27,269; re-renewed Nov. 19, 1945. O. G. Oct. 23. Class 17.
 American Tobacco Company, The: See—
 American Tobacco Co., The.
 American Varnish Company, The, Chicago, Ill. Paints. 417,315; Oct. 23; Serial No. 481,512; published Aug. 7, 1945. Class 16.
 Ansley Radio Corporation, Long Island City, N. Y. Photographic flash synchronizers. 417,406; Oct. 23. Class 26.
 Appleton Coated Paper Company, The, Appleton, Wis. Coated one and coated two sides bond paper in white and colors. 207,751; renewed Jan. 12, 1946. O. G. Oct. 23. Class 37.
 Arakelian, Harry, & Son, Turlock, to Consolidated Packing Company, San Francisco, Calif. Dry raisins. 208,033; renewed Jan. 19, 1946. O. G. Oct. 23. Class 46.
 Arco Company, The, Cleveland, Ohio. Ready mixed paint. 417,318; Oct. 23; Serial No. 481,828; published Aug. 7, 1945. Class 16.
 Arden, Elizabeth, Sales Corporation, New York, N. Y. Foundation creams. 417,400; Oct. 23. Class 6.
 Artfield Creations: See—
 Blake, Irene, Cosmetics, Inc.
 Aufhauser, Alfred, doing business as Industrial Raw Materials Company, New York, N. Y. Wax composition. 417,860; Oct. 23; Serial No. 483,754; published July 31, 1945. Class 12.
 Banite, Inc., Buffalo, N. Y. Cleaner. 417,323; Oct. 23; Serial No. 482,086; published Aug. 7, 1945. Class 4.
 Beatrice Creamery Company: See—
 Wichita Creamery Company, The.
 Benevolent and Protective Order of Elks of the United States of America, New York, N. Y., to Benevolent and Protective Order of Elks of the United States of America, Chicago, Ill. Monthly magazine. 207,649; renewed Jan. 5, 1946. O. G. Oct. 23. Class 38.
 Berming Products Corp., New York, N. Y. Pyrophoric cigarette lighters. 417,357; Oct. 23; Serial No. 483,509; published Aug. 7, 1945. Class 34.
 Best & Co., Inc., New York, N. Y. Misses' and children's hats, shoes, slippers, etc. 204,847; renewed Oct. 27, 1945. O. G. Oct. 23. Class 39.
 Binney & Smith Company, New York, N. Y. Black pigments. 208,116; renewed Jan. 19, 1946. O. G. Oct. 23. Class 6.
 Blake, Irene, Cosmetics, Inc., also doing business as Artfield Creations, New York, N. Y. Brushless shave cream and shaving soap. 417,288; Oct. 23; Serial No. 470,751; published Aug. 14, 1945. Class 4.
 Bluemel Bros. Limited, Wolston, near Coventry, England. Cycle and motor vehicle parts. 417,376; Oct. 23. Class 19.
 Bradley & Mellin, Minneapolis, Minn. Game of sport employing balls and ball catching paddles. 417,291; Oct. 23; Serial No. 471,997; published Aug. 7, 1945. Class 22.
 Briarcraft Inc., New York, N. Y. Tobacco pipes. 417,380; Oct. 23. Class 8.
 Briese, William F., Jr., doing business as Split Second Games, Steubenville, Ohio. Baseball game. 417,294; Oct. 23; Serial No. 473,361; published Aug. 7, 1945. Class 22.

Briske, Louis J., Jr., doing business as Briskraft Novelty Company, Menasha, Wis. Toy animals. 417,374; Oct. 23; Serial No. 484,556; published Aug. 7, 1945. Class 22.
 Briskraft Novelty Company: See—
 Briske, Louis J., Jr.
 Brown & Sharpe Manufacturing Company, Providence, R. I. Hair-clippers. 48,448; re-renewed Jan. 2, 1946. O. G. Oct. 23. Class 23.
 Brown Instrument Company, The, Philadelphia, Pa. Magazine. 417,389; Oct. 23. Class 38.
 Brown Mfg. Co., Greenville, Tenn., to Brown Mfg. Co., Leroy, N. Y. Remedies for the cure of diseases of the liver and kidneys, all inflammations and swellings, etc. 48,909; re-renewed Jan. 16, 1946. O. G. Oct. 23. Class 6.
 Bryant Chucking Grinder Company, Springfield, Vt. High frequency electric motor driven, high speed wheel heads for grinding wheels. 417,378; Oct. 23. Class 21.
 Burrus Mill & Elevator Co.: See—
 Tex-O-Kan Flour Mills Company.
 C-Z Chemical Company, Beloit, Wis. Liquid glass cleaner. 417,308; Oct. 23; Serial No. 479,772; published Aug. 7, 1945. Class 4.
 Cafes, Chocolates Aguila y Productos Saint Hermanos, Sociedad Anonima, Buenos Aires, Argentina. Chocolate, milk chocolate, milk marmalade, etc. 417,285; Oct. 23; Serial No. 470,137; published July 3, 1945. Class 46.
 Capudine Chemical Company, Raleigh, N. C. Cathartic and laxative medicine. 44,710; re-renewed July 18, 1945. O. G. Oct. 23. Class 6.
 Carille & Doughty, Inc., Philadelphia, Pa., to Carille & Doughty, Inc., Conshohocken, Pa. Storage batteries and plates. 208,922; renewed Dec. 15, 1945. O. G. Oct. 23. Class 21.
 Carran, Grace B., doing business as Central Petroleum Company to Central Petroleum Company, Cleveland, Ohio. Lubricating oils and greases. 201,328; renewed July 21, 1945. O. G. Oct. 23. Class 15.
 Carroll Hosiery Corp., New York, N. Y. Underwear. 417,295; Oct. 23; Serial No. 474,023; published Aug. 14, 1945. Class 39.
 Carsello Chemical Products, Chicago, Ill. Liquid wax. 417,296; Oct. 23; Serial No. 474,227; published Aug. 7, 1945. Class 16.
 Carter-Crume Co. Limited to Moore Business Forms, Inc., Niagara Falls, N. Y. Duplicating sales-books. 46,304; re-renewed Sept. 12, 1945. O. G. Oct. 23. Class 37.
 Central Petroleum Company: See—
 Carran, Grace B.
 Certain-teed Products Corporation, Chicago, Ill. Dental plaster of Paris. 417,292; Oct. 23; Serial No. 472,445; published Aug. 14, 1945. Class 44.
 Chemische Fabrik Pott & Co., Dresden, Germany, to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparations for washing and cleaning wool, cotton wool, and cotton yarns, etc. 201,928; renewed Aug. 11, 1945. O. G. Oct. 23. Class 4.
 Christy, Carl, Crockett, Tex. Ear bobs and gold wire jewelry. 417,358; Oct. 23; Serial No. 483,606; published Aug. 14, 1945. Class 28.
 Citrus Foods Co., Inc., Los Angeles, Calif. Fresh frozen orange juice for food purposes. 417,340; Oct. 23; Serial No. 482,833; published Aug. 14, 1945. Class 46.
 Cluquot Club Company, Millis, Mass. Nonalcoholic, non-cereal, maltless beverages, and sirups for making the same. 208,160-1; renewed Jan. 19, 1946. O. G. Oct. 23. Class 45.
 Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Dish, silver, and glass cleaning machines and metal parts-cleaning machines. 207,230; renewed Dec. 22, 1945. O. G. Oct. 23. Class 23.
 Consolidated Packing Company: See—
 Arakelian, Harry, & Son.
 Continental Products, Inc., Chicago, Ill. Pneumatic tire tubes. 417,341; Oct. 23; Serial No. 482,868; published Aug. 7, 1945. Class 35.
 Corning Glass Works, Corning, N. Y. Laboratory glassware. 417,297; Oct. 23; Serial No. 474,478; published Aug. 14, 1945. Class 26.
 Cosmos Dental Products, Inc., New York, N. Y. Colloid duplicating compound. 417,344; Oct. 23; Serial No. 482,980; published Aug. 7, 1945. Class 44.
 Crystal Candy Company, to Rawls-Dickson Candy Company, Winston-Salem, N. C. Candy. 206,600; renewed Dec. 8, 1945. O. G. Oct. 23. Class 46.
 Crystal, David, Inc., New York, N. Y. Ladies' and misses' dresses, coats, dress and jacket ensembles, etc. 417,345; Oct. 23; Serial No. 482,981; published Aug. 14, 1945. Class 39.
 Cunningham Cleanser Corporation: See—
 Sun Soap Products, Incorporated.
 Dolge, C. B., Company, The, Westport, Conn. Preparation for cleaning exteriorly walls, woodwork, marble, etc. 201,255; renewed July 21, 1945. O. G. Oct. 23. Class 4.

LIST OF REGISTRANTS OF TRADE-MARKS

Donegan, Daniel H., doing business as American Printers' Roller Company, to American Roller Company, Chicago, Ill. Glue. 206,084; renewed Nov. 24, 1945. O. G. Oct. 23. Class 5.

Downing, T. H., & Co. Limited, to Wolsey Limited, Leicester, England. Hosiery, undershirts, pants, etc. 200,621; renewed July 7, 1945. O. G. Oct. 23. Class 39.

Dritz, Arthur, doing business as Vitaplay Toy Co., New York, N. Y. Educational toys and games. 417,367; Oct. 23; Serial No. 483,962; published Aug. 7, 1945. Class 22.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Dye pigments, dyestuffs. 201,598-9; renewed Aug. 4, 1945. O. G. Oct. 23. Class 6.

Du Pont, E. I., de Nemours and Company: See—
Chemische Fabrik Pott & Co.

Dyer, D. L., doing business as Hobby Stationers, Kansas City, Mo. Stationery. 417,350-2; Oct. 23; Serial No. 483,365-7; published Aug. 14, 1945. Class 37.

Dyer, D. L., doing business as Hobby Stationers, Kansas City, Mo. Stationery. 417,361; Oct. 23; Serial No. 483,763; published Aug. 14, 1945. Class 37.

E. & G. Avocado Co.: See—
Wassinger, Glenn Arthur.

E. & G. Avocado Company: See—
Wassinger, Glenn.

Eagle Pencil Company, New York, N. Y. Lead pencils. 207,590; renewed Jan. 5, 1946. O. G. Oct. 23. Class 37.

Engel, Joseph: See—
Engel, Joseph, & Co., Inc.

Engel, Joseph, & Co., Inc., to Joseph Engel, New York, N. Y. Ladies', misses' and children's coats, and ladies' sweater coats. 208,182; renewed Jan. 19, 1946. O. G. Oct. 23. Class 39.

Engel, Joseph, & Co., Inc., to Joseph Engel, New York, N. Y. Ladies', misses', or children's dresses. 208,183; renewed Jan. 19, 1946. O. G. Oct. 23. Class 39.

Ergo Knitting Mills, Los Angeles, Calif. Knitted wearing apparel. 417,336; Oct. 23; Serial No. 482,738; published Aug. 14, 1945. Class 39.

Escalon Packers, Inc., Escalon, Calif. Tomato paste. 417,301; Oct. 23; Serial No. 476,960; published Aug. 14, 1945. Class 40.

Faber, S. W., Inc., Brooklyn, N. Y. Electric portable lamps. 206,496; renewed Dec. 1, 1945. O. G. Oct. 23. Class 44.

Felker Manufacturing Co.: See—
Felker, Max N.

Felker, Max N., doing business as Felker Manufacturing Co., Torrance, Calif. Abrasive wheels and hand bones. 417,304; Oct. 23; Serial No. 478,862; published Aug. 14, 1945. Class 4.

Fibre Conduit Company, The, Orangesburg, N. Y. Couplings for low pressure water pipe, sewer pipe, and drain pipe. 417,290; Oct. 23; Serial No. 471,521; published Aug. 7, 1945. Class 12.

Firmenich & Co.: See—
Naef, M., & Co.

Fletcher Manufacturing Company, to International Braid Company, Providence, R. I. Wicks, webs, and webbings. 48,777; re-renewed Jan. 16, 1946. O. G. Oct. 23. Classes 34 and 40.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 202,511; renewed Aug. 25, 1945. O. G. Oct. 23. Class 42.

Forstmann Woolen Co.: See—
Forstmann & Huffmann Company.

Galter Manufacturing Company, Chicago, Ill. Pyrophoric cigar lighters. 417,370-2; Oct. 23; Serial Nos. 484,398-400; published Aug. 7, 1945. Class 34.

Gamlen Chemical Company, San Francisco, Calif., and Pittsburg, Pa. Soap. 417,282; Oct. 23; Serial No. 464,266; published Aug. 7, 1945. Class 4.

Gaylord Products, Incorporated: See—
Parks Bros. & Rogers, Inc.

General Abrasive Company, Inc., Niagara Falls, N. Y. Silicon carbide abrasive grains. 207,836; renewed Jan. 12, 1946. O. G. Oct. 23. Class 1.

General Mills, Inc.: See—
Portland Flour Mills Co.

Sperry Flour Company.

Star and Crescent Milling Company.

Washburn Crosby Company.

Gladen, Carl F., Bay City, Mich. Accelerometers. 417,313; Oct. 23; Serial No. 481,323; published Aug. 14, 1945. Class 26.

Glen-Kel Publishing Company Inc., New York, N. Y. Periodical. 417,401; Oct. 23. Class 38.

Globetrotter, Inc., The, Chicago, Ill. Coasters. 417,302; Oct. 23; Serial No. 477,652; published Aug. 7, 1945. Class 2.

Golden Arrow Toilettries, New York, N. Y. Face and hand lotions and talcum powder. 417,394; Oct. 23. Class 6.

Gordy, Henry, New York, N. Y. Costume jewelry containing pearls. 417,337; Oct. 23; Serial No. 482,741; published Aug. 14, 1945. Class 28.

Gossard, H. W., Co., The, Chicago, Ill. Corsets. 207,874; renewed Jan. 12, 1946. O. G. Oct. 23. Class 39.

Graef, Jean R., Inc., New York, N. Y. Watch movements and wrist and pocket watches. 417,359; Oct. 23; Serial No. 483,614; published Aug. 14, 1945. Class 27.

Haire Publishing Company, The, New York, N. Y. Section of a magazine. 417,383; Oct. 23. Class 38.

Haire Publishing Company, New York, N. Y. Magazine. 417,391; Oct. 23. Class 38.

Hamburgh Canning Company, Hamburg, to Olney & Carpenter, Inc., Wolcott, N. Y. Canned food products. 27,443; re-renewed Dec. 10, 1945. O. G. Oct. 23. Class 46.

Hanley & Kinsella Coffee & Spice Company, St. Louis, Mo. Coffee. 417,283; Oct. 23; Serial No. 467,192; published May 9, 1944. Class 46.

Hartley's Inc., Miami, Fla. Ladies', misses' and children's handbags, purses, wallets, etc. 417,407; Oct. 23. Class 3.

Havana Commercial Company, New York, N. Y., to Havana Commercial Company, Trenton, N. J. Cigars. 48,788; re-renewed Jan. 16, 1946. O. G. Oct. 23. Class 17.

Hechler, Eric, New York, N. Y. Hearing aid devices and parts thereof. 417,365; Oct. 23; Serial No. 483,820; published Aug. 7, 1945. Class 44.

Herbert, Herbert J., New York, N. Y. Adhesives in the form of cements, glues and pastes. 417,298; Oct. 23; Serial No. 475,496; published Aug. 14, 1945. Class 5.

Hi-Score Co.: See—
King Kone Corporation.

Hobby Stationers: See—
Dyer, D. L.

Hollidge, C. Crawford, Ltd., Boston, Mass. Women's, girls', and misses, undergarments and clothing. 204,739; renewed Oct. 27, 1945. O. G. Oct. 23. Class 39.

Hollywood Casuals, Los Angeles, Calif. Women's playclothes. 417,307; Oct. 23; Serial No. 479,712; published Aug. 7, 1945. Class 39.

Holmes Electric Protective Company: See—
Metropolitan Electric Protective Co. Inc.

Hooper, Wm. E., & Sons Co., Woodberry, Baltimore, Md. Stitched belting duck, cotton-duck paper felts, oil-press cloth, etc. 201,945; renewed Aug. 11, 1945. O. G. Oct. 23. Class 42.

Horricks-Ibbotson Company, Utica, N. Y. Fishing rods. 207,497; renewed Jan. 5, 1946. O. G. Oct. 23. Class 22.

House of Hawick, Brooklyn, N. Y. After-shave lotion, hair dressing, and men's talc. 417,402; Oct. 23. Class 6.

Huey, Leslie P., St. Louis, to Leslie P. Huey, Maplewood, Mo. Memorandum books. 201,239; renewed July 21, 1945. O. G. Oct. 23. Class 37.

Industrial Raw Materials Company: See—
Aufhauser, Alfred.

Interatlantic Trading Corp., New York, N. Y. Watches and parts thereof. 417,366; Oct. 23; Serial No. 483,822; published Aug. 14, 1945. Class 27.

Interchemical Corporation, New York, N. Y. Household fungicide. 417,398; Oct. 23. Class 6.

International Braid Company: See—
Fletcher Manufacturing Company.

International Cellulose Products Company: See—
Kimberly-Clark Company.

Irresistible, Inc., New York, N. Y. Cosmetic foundation lotion. 417,384; Oct. 23. Class 6.

Jones & Woodland Company: See—
Jones & Woodland.

Jud's, Hempstead, Long Island, N. Y. Root beer, and other nonalcoholic beverages, for juices or syrups. 417,388; Oct. 23. Class 45.

Kadlem, Incorporated, New York, N. Y. Seasoning preparations for meats or other food products. 419,309; Oct. 23; Serial No. 480,110; published Aug. 14, 1945. Class 46.

Kalart Company Inc., The, Stamford, Conn. Photographic products, camera accessories and attachments and parts thereof. 417,329; Oct. 23; Serial No. 482,328; published Aug. 14, 1945. Class 26.

Kellogg Company, Battle Creek, Mich. Toy receiving and transmitting apparatus. 417,355; Oct. 23; Serial No. 483,480; published Aug. 14, 1945. Class 22.

Kelly-Western Seed Co., Salt Lake City, Utah. Combination of soil conditioning and chemical ingredients. 417,314; Oct. 23; Serial No. 481,478; published Aug. 14, 1945. Class 10.

Kentucky Tobacco Product Co., The, to Tobacco By-Products and Chemical Corporation, Louisville, Ky. Tobacco extracts. 47,058; re-renewed Oct. 24, 1945. O. G. Oct. 23. Class 6.

Kimberly-Clark Company, Neenah, Wis., to International Cellulose Products Company, Chicago, Ill. Absorbent dental rolls and absorbent dental pads. 207,306; renewed Dec. 29, 1945. O. G. Oct. 23. Class 44.

King Kone Corporation, New York, N. Y. French fried popcorn, cheese flavored popcorn and caramel flavored popcorn. 417,289; Oct. 23; Serial No. 471,190; published Aug. 7, 1945. Class 46.

King Kone Corporation, New York, N. Y. Melba toast and crackers known as waffles. 417,342; Oct. 23; Serial No. 482,880; published Aug. 14, 1945. Class 46.

King Kone Corporation, doing business as Hi-Score Co., New York, N. Y. Raw popcorn. 417,369; Oct. 23; Serial No. 484,174; published Aug. 7, 1945. Class 46.

Kleinert, I. B., Rubber Co., New York, N. Y. Dress-shields. 48,993; re-renewed Jan. 16, 1946. O. G. Oct. 23. Class 40.

Knoll & Cie, Aktiengesellschaft: See—
Knoll & Co.

LIST OF REGISTRANTS OF TRADE-MARKS

Knoll & Co., to Knoll & Cie. Aktiengesellschaft, Liestal, Switzerland. Remedy for anemia, chlorosis, megrim, etc. 26,860; renewed July 23, 1945. O. G. Oct. 23. Class 6.

Landis Machine Company, St. Louis, Mo. Linen thread. 203,481; renewed Sept. 22, 1945. O. G. Oct. 23. Class 43.

Latrobe Electric Steel Company, Latrobe, Pa. Steel bars, billets and forgings. 417,324; Oct. 23; Serial No. 482,106; published Aug. 7, 1945. Class 14.

Latz, Maurice D., Inc., New York, N. Y. Non-alcoholic, maltless fruit syrups and concentrates. 417,382; Oct. 23. Class 45.

Leas & McVitty, Incorporated, to Leas & McVitty, Incorporated, Philadelphia, Pa. Tanned leather. 48,823; re-renewed Jan. 16, 1946. O. G. Oct. 23. Class 1.

Legge, Walter G., Company, Inc., New York, N. Y. Solvent cleanser and detergent for floors. 417,284; Oct. 23; Serial No. 468,576; published Sept. 26, 1944. Class 4.

Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 417,325; Oct. 23; Serial No. 482,163; published Aug. 7, 1945. Class 4.

Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 417,326; Oct. 23; Serial No. 482,164; published Aug. 14, 1945. Class 4.

Lewis, A. H., Medicine Co., The, to Lewis-Howe Company, St. Louis, Mo. Medicines for the regulation of the liver and purification of the blood. 48,188; re-renewed Dec. 12, 1945. O. G. Oct. 23. Class 6.

Lewis-Howe Company: See—
Lewis, A. H., Medicine Co., The.

Lieberman, Sam, doing business as Sabern Products Company, Cleveland, Ohio. Chemical preparation used on the hands. 417,404; Oct. 23. Class 6.

Lincoln Fruit Growers Association, Lincoln, Calif. Fresh deciduous fruits. 200,929; renewed July 14, 1945. O. G. Oct. 23. Class 46.

Lowe, E. S., Company, Inc., New York, N. Y. Code word building game played with playing pieces. 417,306; Oct. 23; Serial No. 479,187; published Aug. 14, 1945. Class 22.

Lowe, Joe, Corporation, New York, N. Y. Stabilizer for ice cream and dairy products. 417,343; Oct. 23; Serial No. 482,882; published Aug. 14, 1945. Class 46.

Lyticycle Company, The, Burbank, Calif. Motorcycles and structural parts thereof. 417,377; Oct. 23. Class 19.

MacKenzie, Duncan, Company: See—
MacKenzie, Duncan R.

MacKenzie, Duncan R., doing business as Duncan MacKenzie Company, New York, N. Y. Spot removing compound. 417,317; Oct. 23; Serial No. 481,672; published Aug. 14, 1945. Class 4.

Malt-Diastase Co., to Milnesia, Inc., Brooklyn, N. Y. Malt extract. 46,459; re-renewed Sept. 19, 1945. O. G. Oct. 23. Class 6.

Manufacturers Screw Products, Chicago, Ill. Screws and bolts. 417,387; Oct. 23. Class 13.

Maumee Collieries Company, The, Terre Haute, Ind. Coal. 417,356; Oct. 23; Serial No. 483,484; published Aug. 14, 1945. Class 1.

Maxson, W. L., Corporation, The, New York, N. Y. Storage cabinets. 417,332; Oct. 23; Serial No. 482,692; published Aug. 7, 1945. Class 32.

McKinstry, Joseph E., Los Angeles, Calif. Worms for fishing bait. 417,338; Oct. 23; Serial No. 482,806; published Aug. 7, 1945. Class 22.

Mellos, Athanasios K., doing business as Mellos Peanut Co., Los Angeles, Calif. Popcorn in its natural state. 417,393; Oct. 23; Serial No. 473,071; published Aug. 7, 1945. Class 46.

Mellos Peanut Co.: See—
Mellos, Athanasios K.

Mendex Corporation, Cleveland, Ohio. Thermoplastic mending tapes and tabs. 417,396; Oct. 23. Class 5.

Metropolitan Electric Protective Co. Inc., to Holmes Electric Protective Company, New York, N. Y. Electrical burglar-alarm installations and parts thereof. 195,470; renewed Feb. 24, 1945. O. G. Oct. 23. Class 21.

Metropolitan Electric Protective Co. Inc., to Holmes Electric Protective Company, New York, N. Y. Electrical burglar-alarm installations and parts thereof. 195,559; renewed Feb. 24, 1945. O. G. Oct. 23. Class 21.

Middlesex Products Corporation: See—
Reversible collar Company.

Midland Grocery Company, The, Columbus, Ohio. Canned Bartlett pears, canned pineapple, canned apricots, etc. 417,280; Oct. 23; Serial No. 453,311; published Aug. 7, 1945. Class 46.

Milnesia, Inc.: See—
Malt-Diastase Co.

Minshall, Bert, doing business as Minshall Products, San Antonio, Tex. Preparation for cleaning and restoring paint brushes. 417,392; Oct. 23. Class 16.

Minshall Products: See—
Minshall, Bert.

Moore Business Forms, Inc.: See—
Carter-Crume Co. Limited.

Naef, M., & Co., to Firmenich & Co., Geneva, Switzerland. Preparations for scenting perfumes and the like. 205,253-5; renewed Nov. 3, 1945. O. G. Oct. 23. Class 6.

Nannette Mfg. Co.: See—
Rosenau, Joseph F.

Nannette Manufacturing Co.: See—
Rosenau, Joseph F.

Nathan, S., & Company, Inc., New York, N. Y. Simulated pearl necklaces. 417,305; Oct. 23; Serial No. 479,086; published Aug. 14, 1945. Class 28.

National Pneumatic Company, New York, N. Y. Apparatus for operating doors for vehicles, apparatus for controlling the operation of doors for vehicles, etc. 203,898; renewed Sept. 29, 1945. O. G. Oct. 23. Class 19.

National Pneumatic Company, New York, N. Y. Pneumatic motors, pneumatic door motors, pneumatic step motors, etc. 205,151; renewed Nov. 3, 1945. O. G. Oct. 23. Class 23.

Nestlé's Milk Products, Inc., New York, N. Y. Concentrated mate in powder form. 417,330; Oct. 23; Serial No. 482,635; published Aug. 14, 1945. Class 46.

New Orleans Coffee Company, Ltd., New Orleans, La., to Penick & Ford, Ltd., Incorporated, New York, N. Y. Sirup for food purposes. 201,289; renewed July 21, 1945. O. G. Oct. 23. Class 46.

News Publishing Company, Inc., The, Newburyport, Mass. Daily newspaper. 207,608; renewed Jan. 5, 1946. O. G. Oct. 23. Class 38.

No-Bill Fluid Chemical Company, Jamestown, N. Y. Washing compound. 417,381; Oct. 23. Class 4.

Norta Distributing Company: See—
Pfeffer, Felix.

Oakes & Co., also doing business as Tru-Test, Chicago, Ill. Electric refrigerators, deep freeze food storage cabinets, ice boxes, etc. 417,310; Oct. 23; Serial No. 480,617; published Aug. 7, 1945. Class 31.

Oil-Dri Company of America, Chicago, Ill. Granular processed fuller's earth. 417,395; Oct. 23. Class 1.

Olin Industries, Inc.: See—
Puckett, Paul R.

Western Cartridge Company.

Olney & Carpenter, Inc.: See—
Hamburgh Canning Company.

Optical Products Company, New York, N. Y. Eyeglasses and eyeglass mountings or frames and parts thereof. 417,328; Oct. 23; Serial No. 482,295; published Aug. 14, 1945. Class 26.

Orchard Yarn and Thread Company, New York, N. Y. Crochet and knitting cotton, knitting worsted, and rayon yarns. 417,320; Oct. 23; Serial No. 481,956; published Aug. 7, 1945. Class 43.

Parfait, Incorporated, Chicago, Ill. Soap. 417,319; Oct. 23; Serial No. 481,903; published Aug. 7, 1945. Class 4.

Parks Bros. & Rogers, Inc., Providence, R. I., to Gaylord Products, Incorporated, Chicago, Ill. Clips for bobbed hair. 202,624; renewed Sept. 1, 1945. O. G. Oct. 23. Class 40.

Payer, J. M., The, Co., to Reid, Murdock & Co., Chicago, Ill. Canned and bottled vegetables, canned and bottled fruits, and canned and bottled berries. 208,197; renewed Jan. 19, 1946. O. G. Oct. 23. Class 46.

Penick & Ford, Ltd. Incorporated: See—
New Orleans Coffee Company, Ltd.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Lye. 200,405; renewed June 30, 1945. O. G. Oct. 23. Class 6.

Perfecold Inc., Los Angeles, Calif. Electric refrigerators. 417,327; Oct. 23; Serial No. 482,219; published Aug. 14, 1945. Class 31.

Permanent Cement Company, Oakland, Calif. Building cement. 417,335; Oct. 23; Serial No. 482,721; published July 31, 1945. Class 12.

Peterman, Henry, Brooklyn, N. Y. Ready-made paints, oils, stains, etc. 208,076; renewed Jan. 19, 1946. O. G. Oct. 23. Class 16.

Pfeffer, Felix, doing business as Norta Distributing Company, New York, N. Y. Chemical compositions for type cleaning. 203,163; renewed Sept. 15, 1945. O. G. Oct. 23. Class 6.

Pierce, S. S., Co., Boston, Mass. Soaps. 207,503; renewed Jan. 5, 1946. O. G. Oct. 23. Class 4.

Portland Flour Mills Co., San Francisco, Calif., to General Mills, Inc., Minneapolis, Minn. Wheat flour. 205,084; renewed Nov. 3, 1945. O. G. Oct. 23. Class 46.

Price Baking Powder Company, Chicago, Ill., to Standard Brands Incorporated, New York, N. Y. Baking powder. 49,006; re-renewed Jan. 16, 1946. O. G. Oct. 23. Class 46.

Price Detergent Company: See—
Price, Robert H.

Price Flavoring Extract Company, Chicago, Ill. Condimental sauces and salad dressings. 208,020; renewed Jan. 19, 1946. O. G. Oct. 23. Class 46.

Price, Robert H., doing business as Price Detergent Company, Shelton, Wash. Cleaning solvent and detergent. 417,397; Oct. 23. Class 4.

Puckett, Paul R., Atlanta, Ga., to Olin Industries, Inc., New Haven, Conn. Flash lights. 205,096; renewed Sept. 8, 1945. O. G. Oct. 23. Class 21.

Quaker City Motor Parts Company, Philadelphia, Pa. Metallic rods and elements for repairing cracked and broken castings. 417,375; Oct. 23. Class 14.

Rallton, B. A., Company, Chicago, Ill. Nonalcoholic, maltless sirups. 201,639; renewed Aug. 4, 1945. O. G. Oct. 23. Class 45.

LIST OF REGISTRANTS OF TRADE-MARKS

Railton, B. A., Company, Chicago, Ill. Tartaric and citric acids, ammonia, baking powder, etc. 202,869; renewed Aug. 18, 1945. O. G. Oct. 23. Classes 6 and 46.

Railton, B. A., Company, Chicago, Ill. Paper items. 202,795; renewed Sept. 1, 1945. O. G. Oct. 23. Class 37.

Rawls-Dickson Candy Company: See—
Crystal Candy Company.

Regal Shoe Company: See—
Regal Shoe Company Inc.

Regal Shoe Company Inc., Boston, to Regal Shoe Company, Whitman, Mass. Leather boots and shoes. 48,351; re-renewed Dec. 26, 1945. O. G. Oct. 23. Class 39.

Reid, Murdock & Co.: See—
Paver, J. M., Co., The.

Reis-Premier Corporation, The, West New York, N. J. Smokers' pipes, cigar and cigarette holders. 417,403; Oct. 23. Class 8.

Remington Arms Company, Inc., Bridgeport, Conn., and Ilion and New York, N. Y., to Remington Arms Company, Inc., Bridgeport, Conn. Ammunition. 207,284; renewed Dec. 29, 1945. O. G. Oct. 23. Class 9.

Respondek, John E., Detroit, Mich. Preparation, for coughs and colds. 417,399; Oct. 23. Class 6.

Reversible Collar Company, Boston, to Middlesex Products Corporation, doing business as Reversible Collar Company, Cambridge, Mass. Collars, cuffs, and bosoms. 204,861; renewed Oct. 27, 1945. O. G. Oct. 23. Class 39.

Reversible Collar Company, Boston and Cambridge, to Middlesex Products Corporation, doing business as Reversible Collar Company, Cambridge, Mass. Collars and cuffs. 45,317; re-renewed Aug. 15, 1945. O. G. Oct. 23. Class 39.

Robbins, Pearl C., Millgrove, Ind., to Pearl C. Robbins, Hartford City, Ind. Liniment. 208,230; renewed Jan. 19, 1946. O. G. Oct. 23. Class 6.

Rockwood & Co., Brooklyn, N. Y. Cocoa. 417,286; Oct. 23; Serial No. 470,349; published Aug. 7, 1945. Class 46.

Roehrich, Jean L., New York, N. Y. Watches and clocks. 417,281; Oct. 23; Serial No. 460,714; published Aug. 14, 1945. Class 27.

Rosenau, Joseph F., doing business as Nannette Mfg. Co., to Nannette Manufacturing Co., Philadelphia, Pa. Children's dresses, nightgowns, and baptismal sets. 205,770; renewed Nov. 17, 1945. O. G. Oct. 23. Class 39.

Rourke, Robert U., Pomfret, Conn. Wooden parts of furniture. 417,300; Oct. 23; Serial No. 476,788; published Aug. 7, 1945. Class 32.

Russell, Hamilton, Pensacola, Fla. Medicinal preparation. 200,922; renewed July 14, 1945. O. G. Oct. 23. Class 6.

Sabern Products Company: See—
Lieberman, Sam.

Samuels Shoe Company, St. Louis, Mo. Men's, women's, and children's shoes, and slippers. 207,866; renewed Jan. 12, 1946. O. G. Oct. 23. Class 39.

Schild, A., A. G. (S. A.; Ltd.), Granges, Soleure, Switzerland. Watches and parts of watches. 201,832-3; renewed Aug. 11, 1945. O. G. Oct. 23. Class 27.

Schwimmer, Oscar, doing business as Advice Machine and Manufacturing Company, Los Angeles, Calif. Water heaters and automatic fuel controls for water heaters. 205,000; renewed Oct. 27, 1945. O. G. Oct. 23. Class 34.

Science Publications Council, New York, N. Y. Medical publication issued quarterly. 417,386; Oct. 23. Class 38.

Seamless Rubber Company, The, New Haven, Conn. Nursing bottle nipples. 417,353; Oct. 23. Serial No. 483,453; published Aug. 14, 1945. Class 44.

Sears, Roebuck and Co., Chicago, Ill. Tooth powder, dental cream, liquid dentifrice and shampoo. 417,390; Oct. 23. Class 6.

Selvy Creations, Inc., New York, N. Y. Stuffed toys. 417,339; Oct. 23; Serial No. 482,814; published Aug. 14, 1945. Class 22.

Sheaffer, W. A., Pen Company, Fort Madison, Iowa. Fountain pens and mechanical pencils. 417,362; Oct. 23; Serial No. 483,795; published Aug. 14, 1945. Class 37.

Smyth, Ross T., & Co. Limited, Liverpool, to The United Africa Company, London, England. Wheat flour. 202,023; renewed Aug. 11, 1945. O. G. Oct. 23. Class 46.

Sperry Flour Company, San Francisco, Calif., to General Mills, Inc., Minneapolis, Minn. Cake flour. 207,922; renewed Jan. 12, 1946. O. G. Oct. 23. Class 46.

Spiegel, Inc., Chicago, Ill. Men's suits, work trousers, work coats, and work jackets. 417,333; Oct. 23; Serial No. 482,712; published Aug. 14, 1945. Class 39.

Spinnerin Yarn Co., Inc., New York, N. Y. Yarn. 417,331; Oct. 23; Serial No. 482,655; published Aug. 14, 1945. Class 43.

Split Second Games: See—
Briese, William F., Jr.

Stadium Manufacturing Co., Inc., Baltimore, Md. Men's, women's, boys', and children's pajamas, sleeping coats, and outer shirts. 417,334; Oct. 23; Serial No. 482,713; published Aug. 14, 1945. Class 39.

Standard Brands Incorporated: See—
Price Baking Powder Company.

Standard Oil Company of New Jersey: See—
Standard Oil Company (New Jersey).

Standard Oil Company (New Jersey), Bayonne, N. J., to Standard Oil Company of New Jersey, Wilmington, Del. Liquid gloss and floor dressing. 207,191; renewed Dec. 22, 1945. O. G. Oct. 23. Class 16.

Standard Paper Manufacturing Co.: See—
Standard Paper Mfg. Co.

Standard Paper Mfg. Co., Manchester, to Standard Paper Manufacturing Co., Richmond, Va. Blotting-paper. 48,931; re-renewed Dec. 5, 1945. O. G. Oct. 23. Class 37.

Standard Toykraft Products, Inc., Brooklyn, N. Y. Black and colored crayons and pencils and sets thereof. 417,347; Oct. 23; Serial No. 483,288; published Aug. 14, 1945. Class 37.

Stanton, E. J., & Son, Inc., Vernon, Calif. Hard and soft wood panelling. 417,373; Oct. 23; Serial No. 484,466; published Aug. 14, 1945. Class 12.

Star and Crescent Milling Company, to General Mills, Inc., Minneapolis, Minn. Wheat flour. 207,888; renewed Jan. 12, 1946. O. G. Oct. 23. Class 46.

Steel Publications Inc., Pittsburgh, Pa. Section in a periodical. 417,405; Oct. 23. Class 38.

Steel Warehousing Corporation, Chicago, Ill. Structural steel bars and steel plates. 417,303; Oct. 23; Serial No. 477,900; published Aug. 7, 1945. Class 12.

Stewart-Warner Corporation, Chicago, Ill. Periodical. 417,379; Oct. 23. Class 38.

Sun Soap Products, Incorporated, Staten Island, to Cunningham Cleanser Corporation, New York, N. Y. Soap powders. 204,813; renewed Oct. 27, 1945. O. G. Oct. 23. Class 4.

Sur-Good Products Co., Evansville, Ind. Hair tonic and shampoo. 417,393; Oct. 23. Class 6.

Taylor Chair Company, The, Bedford, Ohio. Chairs, sofas, settees, etc. 207,754; renewed Jan. 12, 1946. O. G. Oct. 23. Class 32.

Tex-O-Kan Flour Mills Company, doing business as Burrus Mill & Elevator Co., Fort Worth, Tex. Wheat flour. 417,385; Oct. 23. Class 46.

Thomson-Porcelite Paint Co.: See—
Thomson Wood Finishing Co., The.

Thomson Wood Finishing Co., The, to Thomson-Porcelite Paint Co., Philadelphia, Pa. Dry, paste, and ready-mixed paints, paint enamels, flat paints, etc. 207,343; renewed Dec. 29, 1945. O. G. Oct. 23. Class 16.

Tobacco By-Products and Chemical Corporation: See—
Kentucky Tobacco Product Co., The.

Trainer, Walter L., Co., Philadelphia, Pa. Varnish, drier, japans, etc. 207,188; renewed Dec. 22, 1945. O. G. Oct. 23. Class 16.

Tru-Test: See—
Oakes & Co.

Underwood, William, Co., Boston, to William Underwood Company, trustees, doing business as William Underwood Company, Watertown, Mass. Deviled entrements. 44,765; re-renewed July 25, 1945. O. G. Oct. 23. Class 46.

Underwood, William, Company, trustee: See—
Underwood, William, Co.

Union Special Machine Company, Chicago, Ill. Sewing machines and parts thereof. 48,707; re-renewed Jan. 9, 1946. O. G. Oct. 23. Class 23.

United Africa Company, The: See—
Smyth, Ross T., & Co. Limited.

Upland Lemon Growers Association, Upland, Calif. Fresh citrus fruit. 207,982; renewed Jan. 12, 1946. O. G. Oct. 23. Class 46.

Vitaplay Toy Co.: See—
Dritz, Arthur.

Vulcan Radiator Company, The, Hartford, Conn. Heating radiator units. 417,346; Oct. 23; Serial No. 483,098; published Aug. 7, 1945. Class 34.

Warren Shade Company, Minneapolis, Minn. Porch shades, specifically porch shades made of slats. 417,299; Oct. 23; Serial No. 476,418; published Aug. 14, 1945. Class 32.

Warwick Mills, Centerville, R. I., and Boston, Mass. Two-ply yarn cotton voiles. 207,900; renewed Jan. 12, 1946. O. G. Oct. 23. Class 42.

Warwick Mills, Centerville, R. I., and Boston, Mass., to Warwick Mills, West Warwick, R. I. Two-ply yarn cotton voiles. 207,901; renewed Jan. 12, 1946. O. G. Oct. 23. Class 42.

Warwick Mills, Centerville, R. I., and Boston, Mass., to Warwick Mills, West Warwick, R. I. Single-ply yarn cotton voiles. 207,937; renewed Jan. 12, 1946. O. G. Oct. 23. Class 42.

Washburn Crosby Company, to General Mills, Inc., Minneapolis, Minn. Wheat flour. 207,927; renewed Jan. 12, 1946. O. G. Oct. 23. Class 46.

Washburn Crosby Company, to General Mills, Inc., Minneapolis, Minn. Durum-wheat flour. 207,952; renewed Jan. 12, 1946. O. G. Oct. 23. Class 46.

Wassinger, Glenn Arthur, also doing business as E. & G. Avocado Co., Los Angeles, Calif. Fresh avocados, fresh citrus fruits, deciduous fruits, etc. 417,316; Oct. 23; Serial No. 481,594; published Aug. 7, 1945. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Wassinger, Glenn, doing business as E. & G. Avocado Company, Los Angeles, Calif. Fresh avocados. 417,368; Oct. 23; Serial No. 484,152; published Aug. 7, 1945. Class 46.

Wellington Sears Company, Incorporated, New York, N. Y. Cotton twill piece goods. 417,321; Oct. 23; Serial No. 481,968; published Aug. 7, 1945. Class 42.

Western Cartridge Company, Wilmington, Del., and East Alton, to Olin Industries, Inc., East Alton, Ill. Shot shells. 199,903; renewed June 23, 1945. O. G. Oct. 23. Class 9.

West Virginia Pulp and Paper Company, New York, N. Y. Tall oil pitch. 417,354; Oct. 23; Serial No. 483,464; published Aug. 14, 1945. Class 1.

Wichita Creamery Company, The, Wichita, Kans., to Beatrice Creamery Company, Chicago, Ill. Butter. 206,453; renewed Dec. 1, 1945. O. G. Oct. 23. Class 46.

Witkowska, Ethel D., Washington, D. C. Purse liners. 417,348; Oct. 23; Serial No. 483,356; published Aug. 7, 1945. Class 3.

Wolsey Limited: See—
Downing, T. H., & Co. Limited.

Woodland, Jones, to Jones & Woodland Company, Newark, N. J. Rings. 48,132; re-renewed Dec. 12, 1945. O. G. Oct. 23. Class 28.

Woods, Harold R., Los Angeles, Calif. Soap. 417,312; Oct. 23; Serial No. 481,301; published Aug. 7, 1945. Class 4.

Woodworth Elevator Company, Minneapolis, Minn. Soft coal. 207,808; renewed Jan. 12, 1946. O. G. Oct. 23. Class 1.

Wulf Bros. Inc., New York, N. Y. Men's and young men's coats and suits. 417,322; Oct. 23; Serial No. 481,972; published Aug. 14, 1945. Class 39.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Abrasive grains, Silicon carbide. General Abrasive Company, Inc. 207,836; renewed Jan. 12, 1946. O. G. Oct. 23.

Coal. Maumee Collieries Company. 417,356; Oct. 23; Serial No. 483,484; published Aug. 14, 1945.

Coal, Soft. Woodworth Elevator Company. 207,808; renewed Jan. 12, 1946. O. G. Oct. 23.

Earth, Granular processed fullers. Oil-Dri Company of America. 417,395; Oct. 23.

Leather, Tanned. Leas & McVitty, Incorporated. 48,823; re-renewed Jan. 16, 1946. O. G. Oct. 23.

Pitch, Tall oil. West Virginia Pulp and Paper Company. 417,354; Oct. 23; Serial No. 483,464; published Aug. 14, 1945.

CLASS 2

Coasters. Globetrotter, Inc. 417,302; Oct. 23; Serial No. 477,652; published Aug. 7, 1945.

CLASS 3

Handbags, purses, wallets, etc., Ladies', misses', and children's. Hartley's Inc. 417,407; Oct. 23.

Purse liners. E. D. Witkowska. 417,348; Oct. 23; Serial No. 483,356; published Aug. 7, 1945.

CLASS 4

Abrasive wheels and hand bones. M. N. Felker. 417,304; Oct. 23; Serial No. 478,862; published Aug. 14, 1945.

Cleaner. Banite, Inc. 417,323; Oct. 23; Serial No. 482,086; published Aug. 7, 1945.

Cleaner, Liquid glass. C-Z Chemical Company. 417,308; Oct. 23; Serial No. 479,772; published Aug. 7, 1945.

Cleaning solvent and detergent. R. H. Price. 417,397; Oct. 23.

Cleanser and detergent for floors, Solvent. Walter G. Legge Company. 417,284; Oct. 23; Serial No. 468,576; published Sept. 26, 1944.

Compound, Washing. No-Boll Fluid Chemical Company. 417,851; Oct. 23.

Cream and shaving soap. Brushless shave. Irene Blake Cosmetics, Inc. 417,288; Oct. 23; Serial No. 470,751; published Aug. 14, 1945.

Preparation for cleaning exteriorly walls, woodwork, marble, etc. C. B. Dolge Company. 201,255; renewed July 21, 1945. O. G. Oct. 23.

Preparations for washing and cleaning wool, cotton wool, and cotton yarns, etc. Chemische Fabrik Pott & Co. 201,928; renewed Aug. 11, 1945. O. G. Oct. 23.

Soap. Gamlen Chemical Company. 417,282; Oct. 23; Serial No. 464,266; published Aug. 7, 1945.

Soap. H. R. Woods. 417,312; Oct. 23; Serial No. 481,301; published Aug. 7, 1945.

Soap. Parfair, Incorporated. 417,319; Oct. 23; Serial No. 481,903; published Aug. 7, 1945.

Soap powders. Sun Soap Products, Incorporated. 204,813; renewed Oct. 27, 1945. O. G. Oct. 23.

Soaps. S. S. Pierce Co. 207,503; renewed Jan. 5, 1946. O. G. Oct. 23.

Soaps, Toilet. Les Parfums de Dana, Inc. 417,325; Oct. 23; Serial No. 482,163; published Aug. 7, 1945.

Soaps, Toilet. Les Parfums de Dana, Inc. 417,326; Oct. 23; Serial No. 482,166; published Aug. 14, 1945.

Spot removing compound. D. R. MacKenzie. 417,317; Oct. 23; Serial No. 481,672; published Aug. 14, 1945.

CLASS 5

Adhesives in the form of cements, glues, and pastes. H. J. Heribert. 417,298; Oct. 23; Serial No. 475,496; published Aug. 14, 1945.

Glue. D. H. Donegan. 206,084; renewed Nov. 24, 1945. O. G. Oct. 23.

Tapes and Tabs, Thermoplastic mending. Mendex Corporation. 417,396; Oct. 23.

CLASS 6

Acids, ammonia, baking powder, etc., Tartaric and citric. B. A. Railton Company. 202,869; renewed Aug. 18, 1945. O. G. Oct. 23.

Cathartic and laxative medicine. Capudine Chemical Company. 44,710; re-renewed July 18, 1945. O. G. Oct. 23.

Chemical compositions for type cleaning. F. Pfeiffer. 203,163; renewed Sept. 15, 1945. O. G. Oct. 23.

Chemical preparation used on the hands. S. Lieberman. 417,404; Oct. 23.

Creams, Foundation. Elizabeth Arden Sales Corporation. 417,400; Oct. 23.

Extract, Malt. Malt-Diastase Co. 46,459; re-renewed Sept. 19, 1945. O. G. Oct. 23.

Extracts, Tobacco. Kentucky Tobacco Product Co. 47,058; re-renewed Oct. 24, 1945. O. G. Oct. 23.

Fungicide, Household. Interchemical Corporation. 417,398; Oct. 23.

Liniment. P. C. Robbins. 208,230; renewed Jan. 19, 1946. O. G. Oct. 23.

Lotion, Cosmetic foundation. Irresistible, Inc. 417,384; Oct. 23.

Lotion, hair dressing, and men's talc, After-shave. House of Hawick. 417,402; Oct. 23.

Lotions and talcum powder, Face and hand. Golden Arrow Toilettries. 417,394; Oct. 23.

Lye. Pennsylvania Salt Manufacturing Company. 200,405; renewed June 30, 1945. O. G. Oct. 23.

Medicinal preparation. H. Russell. 200,922; renewed July 14, 1945. O. G. Oct. 23.

Medicines for the regulation of the liver and purification of the blood. A. H. Lewis Medicine Co. 48,188; re-renewed Dec. 12, 1945. O. G. Oct. 23.

Pigments, Black. Binney & Smith Company. 208,116; renewed Jan. 19, 1946. O. G. Oct. 23.

Pigments, dyestuffs, Dye. E. I. du Pont de Nemours and Company. 201,598-9; renewed Aug. 4, 1945. O. G. Oct. 23.

Preparation for coughs and colds. J. E. Respondek. 417,399; Oct. 23.

Preparations for scenting perfumes and the like. N. Naef & Co. 205,253-5; renewed Nov. 3, 1945. O. G. Oct. 23.

Remedies for the cure of diseases of the liver and kidneys, all inflammations and swellings, etc. Brown Mfg. Co. 48,909; re-renewed Jan. 16, 1946. O. G. Oct. 23.

Remedy for anemia, chlorosis, megrim, etc. Knoll & Co. 26,860; renewed July 23, 1945. O. G. Oct. 23.

Tonic and shampoo, Hair. Sur-Good Products Co. 417,393; Oct. 23.

Tooth powder, dental cream, liquid dentifrice, and shampoo. Sears, Roebuck and Co. 417,390; Oct. 23.

CLASS 8

Boxes and glass ash trays, Glass cigarette. Louis Aisenstein & Bros. 417,363; Oct. 23; Serial No. 483,804; published Aug. 14, 1945.

Pipes, cigar and cigarette holders, Smokers'. Reis-Premier Corporation. 417,403; Oct. 23.

Pipes, Tobacco. Briarcraft Inc. 417,380; Oct. 23.

CLASS 9

Ammunition. Remington Arms Company, Inc. 207,284; renewed Dec. 29, 1945. O. G. Oct. 23.

Shells, Shot. Western Cartridge Company. 199,903; renewed June 23, 1945. O. G. Oct. 23.

CLASS 10

Soil conditioning and chemical ingredients, Combination of. Kelly-Western Seed Co. 417,314; Oct. 23; Serial No. 481,478; published Aug. 14, 1945.

CLASS 12

Cement, Building. Permanente Cement Company. 417,335; Oct. 23; Serial No. 482,721; published July 31, 1945.
Couplings for low pressure water pipe, sewer pipe, and drain pipe. Fibre Conduit Company. 417,290; Oct. 23; Serial No. 471,521; published Aug. 7, 1945.
Panelling, Hard and soft wood. E. J. Stanton & Son, Inc. 417,373; Oct. 23; Serial No. 484,466; published Aug. 14, 1945.
Steel bars and steel plates, Structural. Steel Warehousing Corporation. 417,303; Oct. 23; Serial No. 477,900; published Aug. 7, 1945.
Wax composition. A. Aufhauser. 417,360; Oct. 23; Serial No. 483,754; published July 31, 1945.

CLASS 13

Screws and bolts. Manufacturers Screw Products. 417,387; Oct. 23.

CLASS 14

Rods and elements for repairing cracked and broken castings, Metallic. Quaker City Motor Parts Company. 417,375; Oct. 23.
Steel bars, billets and forgings. Latrobe Electric Steel Company. 417,324; Oct. 23; Serial No. 482,106; published Aug. 7, 1945.

CLASS 15

Oils and greases, Lubricating. G. B. Carran. 201,328; renewed July 21, 1945. O. G. Oct. 23.

CLASS 16

Liquid gloss and floor dressing. Standard Oil Company (New Jersey). 207,191; renewed Dec. 22, 1945. O. G. Oct. 23.
Paint, Ready mixed. Arco Company. 417,318; Oct. 23; Serial No. 481,828; published Aug. 7, 1945.
Paints. American Varnish Company. 417,315; Oct. 23; Serial No. 481,512; published Aug. 7, 1945.
Paints, oils, stains, etc., Ready-made. H. Peterman. 208,076; renewed Jan. 19, 1946. O. G. Oct. 23.
Paints, paint enamels, flat paints, etc., Dry, paste, and ready-mixed. Thomson Wood Finishing Co. 207,343; renewed Dec. 29, 1945. O. G. Oct. 23.
Preparation, for cleaning and restoring paint brushes. B. Minshall. 417,392; Oct. 23.
Varnish, drier, japans, etc. Walter L. Trainer Co. 207,188; renewed Dec. 22, 1945. O. G. Oct. 23.
Wax, Liquid. Carosello Chemical Products. 417,296; Oct. 23; Serial No. 474,227; published Aug. 7, 1945.

CLASS 17

Cigars. Havana Commercial Company. 48,788; re-renewed Jan. 16, 1946. O. G. Oct. 23.
Cigars, cheroots, cigarettes, etc. American Tobacco Co. 27,269; re-renewed Nov. 19, 1945. O. G. Oct. 23.

CLASS 19

Apparatus for operating doors for vehicles, apparatus for controlling the operation of doors for vehicles, etc. National Pneumatic Company. 203,898; renewed Sept. 29, 1945. O. G. Oct. 23.
Cycle and motor vehicle parts. Bluemel Bros. Limited. 417,376; Oct. 23.
Motorcycles and structural parts thereof. Lytecycle Company. 417,377; Oct. 23.

CLASS 21

Batteries and plates, Storage. Carlile & Doughty, Inc. 206,922; renewed Dec. 15, 1945. O. G. Oct. 23.
Burglar-alarm installations and parts thereof, Electrical. Metropolitan Electric Protective Co. Inc. 195,470; renewed Feb. 24, 1945. O. G. Oct. 23.
Burglar-alarm installations and parts thereof, Electrical. Metropolitan Electric Protective Co. Inc. 195,559; renewed Feb. 24, 1945. O. G. Oct. 23.
Electric motor driven, high speed wheel heads for grinding wheels, High frequency. Bryant Chucking Grinder Company. 417,378; Oct. 23.
Lights, Flash. P. R. Puckett. 203,096; renewed Sept. 8, 1945. O. G. Oct. 23.

CLASS 22

Fishing rods. Horricks-Ibbotson Company. 207,497; renewed Jan. 5, 1946. O. G. Oct. 23.
Game, Baseball. W. F. Briese, Jr. 417,294; Oct. 23; Serial No. 473,361; published Aug. 7, 1945.
Game of sport employing balls and ball catching paddles. Bradley & Mellin. 417,291; Oct. 23; Serial No. 471,997; published Aug. 7, 1945.
Game played with playing pieces, Code word building. E. S. Lowe Company, Inc. 417,306; Oct. 23; Serial No. 479,187; published Aug. 14, 1945.
Toy animals. L. J. Briese, Jr. 417,374; Oct. 23; Serial No. 484,556; published Aug. 7, 1945.
Toy receiving and transmitting apparatus. Kellogg Company. 417,355; Oct. 23; Serial No. 483,480; published Aug. 14, 1945.

Toys and games, Educational. A. Dritz. 417,367; Oct. 23; Serial No. 483,962; published Aug. 7, 1945.
Toys, Stuffed. Selvy Creations, Inc. 417,339; Oct. 23; Serial No. 482,814; published Aug. 14, 1945.
Worms for fishing bait. J. E. McKinstry. 417,338; Oct. 23; Serial No. 482,806; published Aug. 7, 1945.

CLASS 23

Cleaning machines and metal parts-cleaning machines, Dish, silver, and glass. Colt's Patent Fire Arms Manufacturing Company. 207,230; renewed Dec. 22, 1945. O. G. Oct. 23.
Hair-clippers. Brown & Sharp Manufacturing Company. 48,448; re-renewed Jan. 2, 1946. O. G. Oct. 23.
Motors, pneumatic door motors, pneumatic step motors, etc., Pneumatic. National Pneumatic Company. 205,151; renewed Nov. 3, 1945. O. G. Oct. 23.
Sewing-machines and parts thereof. Union Special Machine Company. 48,707; re-renewed Jan. 9, 1946. O. G. Oct. 23.

CLASS 26

Accelerometers. C. F. Gladen. 417,313; Oct. 23; Serial No. 481,323; published Aug. 14, 1945.
Eyeglasses and eyeglass mountings or frames and parts thereof. Optical Products Company. 417,328; Oct. 23; Serial No. 482,295; published Aug. 14, 1945.
Glasses, Protection. American Optical Company. 417,287; Oct. 23; Serial No. 470,365; published Aug. 14, 1945.
Glassware, Laboratory. Corning Glass Works. 417,297; Oct. 23; Serial No. 474,478; published Aug. 14, 1945.
Photographic flash synchronizers. Ansley Radio Corporation. 417,406; Oct. 23.
Photographic products, camera accessories and attachments and parts thereof. Kalart Company Inc. 417,329; Oct. 23; Serial No. 482,328; published Aug. 14, 1945.

CLASS 27

Watches and clocks. J. L. Roehrich. 417,281; Oct. 23; Serial No. 460,714; published Aug. 14, 1945.
Watches and parts of watches. A. Schild, A. G. (S. A.; Ltd.) 201,832-3; renewed Aug. 11, 1945. O. G. Oct. 23.
Watches and parts thereof. Interatlantic Trading Corp. 417,366; Oct. 23; Serial No. 483,822; published Aug. 14, 1945.
Watches and watch movements. Louis Aisenstein & Bros. 417,349; Oct. 23; Serial No. 483,360; published Aug. 14, 1945.
Watch movements and wrist and pocket watches. Jean R. Graef, Inc. 417,359; Oct. 23; Serial No. 483,614; published Aug. 14, 1945.

CLASS 28

Ear bobs and gold wire jewelry. C. Christy. 417,358; Oct. 23; Serial No. 483,606; published Aug. 14, 1945.
Jewelry containing pearls, Costume. H. Gordy. 417,337; Oct. 23; Serial No. 482,741; published Aug. 14, 1945.
Necklaces, Simulated pearl. S. Nathan & Company, Inc. 417,305; Oct. 23; Serial No. 479,086; published Aug. 14, 1945.
Rings. Jones & Woodland. 48,132; re-renewed Dec. 12, 1945. O. G. Oct. 23.

CLASS 31

Refrigerators, Electric. Perfecold Inc. 417,327; Oct. 23; Serial No. 482,219; published Aug. 14, 1945.
Refrigerators, deep freeze food storage cabinets, ice boxes, etc., Electric. Oakes & Co. 417,310; Oct. 23; Serial No. 480,617; published Aug. 7, 1945.

CLASS 32

Cabinets, Storage. W. L. Maxson Corporation. 417,332; Oct. 23; Serial No. 482,692; published Aug. 7, 1945.
Chairs, sofas, settees, etc. Taylor Chair Company. 207,754; renewed Jan. 12, 1946. O. G. Oct. 23.
Frames, Glass picture. Louis Aisenstein & Bros. 417,364; Oct. 23; Serial No. 483,805; published Aug. 7, 1945.
Shades, specifically porch shades made of slats, Porch. Warren Shade Company. 417,299; Oct. 23; Serial No. 476,418; published Aug. 14, 1945.
Wooden parts of furniture. R. U. Rourke. 417,300; Oct. 23; Serial No. 476,788; published Aug. 7, 1945.

CLASS 34

Heaters and automatic fuel controls for water heaters. Water. O. Schwimmer. 205,000; renewed Oct. 27, 1945. O. G. Oct. 23.
Lighters, Pyrophoric cigar. Galter Manufacturing Company. 417,370-2; Oct. 23; Serial Nos. 484,398-400; published Aug. 7, 1945.
Lighters, Pyrophoric cigarette. Berming Products Corp. 417,357; Oct. 23; Serial No. 483,509; published Aug. 7, 1945.
Radiator units, Heating. Vulcan Radiator Company. 417,346; Oct. 23; Serial No. 483,098; published Aug. 7, 1945.
Wicks, webs, and webbings. Fletcher Manufacturing Company. 48,777; re-renewed Jan. 16, 1946. O. G. Oct. 23.

CLASS 35

Tubes, Pneumatic tire. Continental Products, Inc. 417,341; Oct. 23; Serial No. 482,868; published Aug. 7, 1945.

CLASS 37

Blotting-paper. Standard Paper Mfg. Co. 48,031; re-renewed Dec. 5, 1945. O. G. Oct. 23.
Bond paper in white and colors, Coated one and coated two sides. Appleton Coated Paper Company. 207,751; renewed Jan. 12, 1946. O. G. Oct. 23.
Books, Memorandum. L. P. Huey. 201,239; renewed July 21, 1945. O. G. Oct. 23.
Crayons and pencils and sets thereof, Black and colored. Standard Toykraft Products, Inc. 417,347; Oct. 23; Serial No. 483,288; published Aug. 14, 1945.
Paper items. B. A. Raitton Company. 202,795; renewed Sept. 1, 1945. O. G. Oct. 23.
Pencils, Lead. Eagle Pencil Company. 207,590; renewed Jan. 5, 1946. O. G. Oct. 23.
Pens and mechanical pencils, Fountain. W. A. Sheaffer Pen Company. 417,362; Oct. 23; Serial No. 483,795; published Aug. 14, 1945.
Sales-books, Duplicating. Carter-Crume Co. Limited. 46,304; re-renewed Sept. 12, 1945. O. G. Oct. 23.
Stationery. D. L. Dyer. 417,350-2; Oct. 23; Serial Nos. 483,365-7; published Aug. 14, 1945.
Stationery. D. L. Dyer. 417,361; Oct. 23; Serial No. 483,763; published Aug. 14, 1945.

CLASS 38

Magazine. Brown Instrument Company. 417,389; Oct. 23.
Magazine. Haire Publishing Company. 417,391; Oct. 23.
Monthly magazine. Benevolent and Protective Order of Elks of the United States of America. 207,649; renewed Jan. 6, 1946. O. G. Oct. 23.
Newspaper, Daily. News Publishing Company, Inc. 207,608; renewed Jan. 5, 1946. O. G. Oct. 23.
Periodical. Glen-Kel Publishing Company Inc. 417,401; Oct. 23.
Periodical. Stewart-Warner Corporation. 417,379; Oct. 23.
Publication issued quarterly, Medical. Science Publications Council. 417,386; Oct. 23.
Section of a magazine. Haire Publishing Company. 417,383; Oct. 23.
Section in a periodical. Steel Publications, Inc. 417,405; Oct. 23.
Trade journals, pamphlets, or so-called house organs. American News Company Inc. 202,237; renewed Aug. 18, 1945. O. G. Oct. 23.

CLASS 39

Boots and shoes, Leather. Regal Shoe Company Inc. 48,331; re-renewed Dec. 26, 1945. O. G. Oct. 23.
Coats, and ladies' sweater coats, Ladies', misses', and children's. Joseph Engel & Co., Inc. 208,182; renewed Jan. 19, 1946. O. G. Oct. 23.
Coats and suits, Men's and young men's. Wulf Bros. Inc. 417,322; Oct. 23; Serial No. 481,972; published Aug. 14, 1945.
Collars and cuffs. Reversible Collar Company. 45,317; re-renewed Aug. 15, 1945. O. G. Oct. 23.
Collars, cuffs, and bosoms. Reversible Collar Company. 204,861; renewed Oct. 27, 1945. O. G. Oct. 23.
Corsets. H. W. Gossard Co. 207,874; renewed Jan. 12, 1946. O. G. Oct. 23.
Dresses, coats, dress and jacket ensembles, etc., Ladies' and misses'. David Crystal, Inc. 417,345; Oct. 23; Serial No. 482,981; published Aug. 14, 1945.
Dresses, Ladies', misses', or children's. Joseph Engel & Co., Inc. 208,183; renewed Jan. 19, 1945. O. G. Oct. 23.
Dresses, nightgowns, and baptismal sets, Children's. J. F. Rosenau. 205,770; renewed Nov. 17, 1945. O. G. Oct. 23.
Hats, shoes, slippers, etc., Misses' and children's. Best & Co. Inc. 204,847; renewed Oct. 27, 1945. O. G. Oct. 23.
Hosiery, undershirts, pants, etc. T. H. Downing & Co. Limited. 200,621; renewed July 7, 1945. O. G. Oct. 23.
Pajamas, sleeping coats, and outer shirts, Men's, women's, boys' and children's. Stadium Manufacturing Co., Inc. 417,334; Oct. 23; Serial No. 482,713; published Aug. 14, 1945.
Playclothes, Women's. Hollywood Casuals. 417,307; Oct. 23; Serial No. 479,712; published Aug. 7, 1945.
Shoes and slippers, Men's, women's, and children's. Samuels Shoe Company. 207,866; renewed Jan. 12, 1946. O. G. Oct. 23.
Suits, work trousers, work coats, and work jackets, Men's. Spiegel, Inc. 417,333; Oct. 23; Serial No. 482,712; published Aug. 14, 1945.
Undergarments and clothing, Women's, girls', and misses'. C. Crawford Hollidge, Ltd. 204,739; renewed Oct. 27, 1945. O. G. Oct. 23.
Underwear. Carroll Hosiery Corp. 417,295; Oct. 23; Serial No. 474,023; published Aug. 14, 1945.
Wearing apparel, Knitted. Ergo Knitting Mills. 417,336; Oct. 23; Serial No. 482,738; published Aug. 14, 1945.

CLASS 40

Clasps for bobbed hair. Parks Bros. & Rogers, Inc. 202,624; renewed Sept. 1, 1945. O. G. Oct. 23.
Dress-shields. I. B. Kleinert Rubber Co. 48,993; re-renewed Jan. 16, 1946. O. G. Oct. 23.
Wicks, webs, and webbings. Fletcher Manufacturing Company. 48,777; re-renewed Jan. 16, 1946. O. G. Oct. 23.

CLASS 42

Cotton twill piece goods. Wellington Sears Company, Incorporated. 417,321; Oct. 23; Serial No. 481,968; published Aug. 7, 1945.
Duck, cotton-duck paper felts, oil-press cloth, etc., Stitched belting. Wm. E. Hooper & Sons Co. 201,945; renewed Aug. 11, 1945. O. G. Oct. 23.
Volles, Single-ply yarn cotton. Warwick Mills. 207,937; renewed Jan. 12, 1946. O. G. Oct. 23.
Volles, Two-ply yarn cotton. Warwick Mills. 207,900-1; renewed Jan. 12, 1946. O. G. Oct. 23.
Woolen piece goods. Forstmann & Hoffmann Company. 202,511; renewed Aug. 23, 1945. O. G. Oct. 23.

CLASS 43

Crochet and knitting cotton, knitting worsted, and rayon yarns. Orchard Yarn and Thread Company. 417,320; Oct. 23; Serial No. 481,956; published Aug. 7, 1945.
Thread, Linen. Landis Machine Company. 203,481; renewed Sept. 22, 1945. O. G. Oct. 23.
Yarn. Spinnerin Yarn Co., Inc. 417,331; Oct. 23; Serial No. 482,655; published Aug. 14, 1945.

CLASS 44

Dental plaster of Paris. Certain-teed Products Corporation. 417,292; Oct. 23; Serial No. 472,445; published Aug. 14, 1945.
Dental rolls and absorbent dental pads, Absorbent. Kimberly-Clark Company. 207,306; renewed Dec. 29, 1945. O. G. Oct. 23.
Duplicating compound, Colloid. Cosmos Dental Products, Inc. 417,344; Oct. 23; Serial No. 482,980; published Aug. 7, 1945.
Hearing aid devices and parts thereof. E. Hechler. 417,365; Oct. 23; Serial No. 483,820; published Aug. 7, 1945.
Holders, Nursing bottle. All-Best Specialties Corp. 417,311; Oct. 23; Serial No. 481,169; published Aug. 7, 1945.
Lamps, Electric portable. S. W. Farber, Inc. 206,496; renewed Dec. 1, 1945. O. G. Oct. 23.
Nipples, Nursing bottle. Seamless Rubber Company. 417,353; Oct. 23; Serial No. 483,453; published Aug. 14, 1945.

CLASS 45

Beverages, and sirups for making the same. Nonalcoholic, noncereal, maltless. Cligot Club Company. 208,160-1; renewed Jan. 19, 1946. O. G. Oct. 23.
Root beer, and other nonalcoholic beverages, for juices or syrups. Jud's. 417,388; Oct. 23.
Sirups, Nonalcoholic, maltless. B. A. Raitton Company. 201,639; renewed Aug. 4, 1945. O. G. Oct. 23.
Syrups and concentrates, Non-alcoholic, maltless fruit. Maurice D. Latz, Inc. 417,382; Oct. 23.

CLASS 46

Acids, ammonia, baking powder, Tartaric and citric. B. A. Raitton Company. 202,369; renewed Aug. 18, 1945. O. G. Oct. 23.
Avocados, Fresh. G. Wassinger. 417,368; Oct. 23; Serial No. 484,152; published Aug. 7, 1945.
Avocados, fresh citrus fruits, deciduous fruits, etc., Fresh. G. A. Wassinger. 417,316; Oct. 23; Serial No. 481,594; published Aug. 7, 1945.
Baking-powder. Price Baking Powder Company. 49,006; re-renewed Jan. 16, 1946. O. G. Oct. 23.
Butter. Wichita Creamery Company. 206,453; renewed Dec. 1, 1945. O. G. Oct. 23.
Candy. Crystal Candy Company. 206,600; renewed Dec. 8, 1945. O. G. Oct. 23.
Canned and bottled vegetables, canned and bottled fruits, and canned and bottled berries. J. M. Paver Co. 208,197; renewed Jan. 19, 1946. O. G. Oct. 23.
Canned Bartlett pears, canned pineapple, canned apricots, etc. Midland Grocery Company. 417,280; Oct. 23; Serial No. 453,311; published Aug. 7, 1945.
Canned food products. Hamburg Canning Company. 27,443; re-renewed Dec. 10, 1945. O. G. Oct. 23.
Chocolate, milk chocolate, milk marmalade, etc. Cafes, Chocolates Aguila y Productos Saint Hermanos, Sociedad Anonima. 417,285; Oct. 23; Serial No. 470,137; published July 3, 1945.
Cocoa. Rockwood & Co. 417,286; Oct. 23; Serial No. 470,349; published Aug. 7, 1945.
Coffee. Hanley & Kinsella Coffee & Spice Company. 417,283; Oct. 23; Serial No. 467,192; published May 9, 1944.
Entremets, Deviled. William Underwood Co. 44,765; re-renewed July 25, 1945. O. G. Oct. 23.
Flour, Cake. Sperry Flour Company. 207,922; renewed Jan. 12, 1946. O. G. Oct. 23.
Flour, Durum-wheat. Washburn Crosby Company. 207,952; renewed Jan. 12, 1946. O. G. Oct. 23.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Flour, Wheat. Portland Flour Mills Co. 205,084; renewed Nov. 3, 1945. O. G. Oct. 23.
 Flour, Wheat. R. T. Smyth & Co. Limited. 202,023; renewed Aug. 11, 1945. O. G. Oct. 23.
 Flour, Wheat. Star and Crescent Milling Company. 207,888; renewed Jan. 12, 1946. O. G. Oct. 23.
 Flour, Wheat. Tex-O-Kan Flour Mills Company. 417,385; Oct. 23.
 Flour, Wheat. Washburn Crosby Company. 207,927; renewed Jan. 12, 1946. O. G. Oct. 23.
 Fruit, Fresh citrous. Upland Lemon Growers Association. 207,982; renewed Jan. 12, 1946. O. G. Oct. 23.
 Fruits, Fresh deciduous. Lincoln Fruit Growers Association. 200,929; renewed July 14, 1945. O. G. Oct. 23.
 Juice for food purposes. Fresh frozen orange. Citrus Foods Co., Inc. 417,340; Oct. 23; Serial No. 482,833; published Aug. 14, 1945.
 Mate in powder form. Concentrated. Nestle's Milk Products, Inc. 417,330; Oct. 23; Serial No. 482,635; published Aug. 14, 1945.
 Paste, Tomato. Escalon Packers, Inc. 417,301; Oct. 23; Serial No. 476,960; published Aug. 14, 1945.
 Popcorn, cheese flavored popcorn and caramel flavored popcorn, French fried. King Kone Corporation. 417,289; Oct. 23; Serial No. 471,190; published Aug. 7, 1945.

Popcorn in its natural state. A. K. Mellos. 417,293; Oct. 23; Serial No. 473,071; published Aug. 7, 1945.
 Popcorn, Raw. King Kone Corporation. 417,369; Oct. 23; Serial No. 484,174; published Aug. 7, 1945.
 Raisins, Dry. Harry Arakelian & Son. 208,033; renewed Jan. 19, 1946. O. G. Oct. 23.
 Sauces and salad dressings, Condimental. Price Flavoring Extract Company. 208,020; renewed Jan. 19, 1946. O. G. Oct. 23.
 Seasoning preparations for meats or other food products. Kadlem, Incorporated. 417,309; Oct. 23; Serial No. 480,110; published Aug. 14, 1945.
 Sirup for food purposes. New Orleans Coffee Company, Ltd. 201,289; renewed July 21, 1945. O. G. Oct. 23.
 Stabilizer for ice cream and dairy products. Joe Lowe Corporation. 417,343; Oct. 23; Serial No. 482,882; published Aug. 14, 1945.
 Toast and crackers known as waffles, Melba. King Kone Corporation. 417,342; Oct. 23; Serial No. 482,880; published Aug. 14, 1945.

CLASS 50

Library outfit. American News Company, Inc. 204,186; renewed Oct. 13, 1945. O. G. Oct. 23.

LIST OF REISSUE PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 23d DAY OF OCTOBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Banker, Paul M., et al.: See—
 Monroe, Spencer F., assignor.
 Monroe, Spencer F., New York, N. Y., assignor, by mesne assignments, to H. W. Yendes and P. M. Banker.
 Photographic apparatus. Re. 22,684; Oct. 23.

Yendes, Harlan W., et al.: See—
 Monroe, Spencer F., assignor.

LIST OF DESIGN PATENTEEES

Allen, Thornton V.: See—
 Price, Darrel D., assignor.
 Almroth, Thomas K., Toledo, Ohio. Container for poker chips. 142,609; Oct. 23.
 Annesley, Griffith, New York, N. Y. Propeller hub. 142,610; Oct. 23.
 Aviation Corporation, The: See—
 Coleman, John D., assignor.
 Baham, William P., Baton Rouge, La. Book holder. 142,611; Oct. 23.
 Bletzinger, Fred, Sr., Chicago, Ill. Paper roll holder or similar article. 142,612; Oct. 23.
 Brainard, George C., Youngstown, Ohio, and R. Loewy, New York, N. Y., assignors to The General Fireproofing Company, Youngstown, Ohio. Desk. 142,613; Oct. 23.
 Clark, James L., Chicago, Ill. Shuttlecock or similar article. 142,614; Oct. 23.
 Clevenger, Glen M., Linthicum Heights, assignor to Maryland Glass Corporation, Baltimore, Md. Bottle. 142,615; Oct. 23.
 Clevenger, Glen M., Linthicum Heights, assignor to Maryland Glass Corporation, Baltimore, Md. Bottle. 142,616; Oct. 23.
 Coleman, John D., Detroit, Mich., assignor to The Aviation Corporation, New York, N. Y. Grate for a gas burner. 142,617; Oct. 23.
 Coro, Inc.: See—
 Katz, Adolph, assignor.
 Dahlquist, Seth E., Cadillac, Mich. Toy gun. 142,618; Oct. 23.
 Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 142,619; Oct. 23.
 Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 142,620; Oct. 23.
 Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 142,621; Oct. 23.
 Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 142,622; Oct. 23.
 Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, New York, N. Y. Container cap. 142,623; Oct. 23.
 Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 142,624; Oct. 23.
 Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 142,625; Oct. 23.
 Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 142,626; Oct. 23.
 Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 142,627; Oct. 23.
 Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 142,628; Oct. 23.
 Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 142,629; Oct. 23.
 Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, New York, N. Y. Bottle. 142,630; Oct. 23.
 Elston, Edward P., Bradmore, Wolverhampton, England. Garment hanger. 142,631; Oct. 23.
 Erger, Edward, assignor to R. S. Herman, Los Angeles, Calif. Electric light fixture. 142,632; Oct. 23.
 Erger, Edward, assignor to R. S. Herman, Los Angeles, Calif. Electric light fixture. 142,633; Oct. 23.
 Erger, Edward, assignor to R. S. Herman, Los Angeles, Calif. Electric light fixture. 142,634; Oct. 23.
 Fisher, Joseph S., Bronx, N. Y. Combination calendar stand and scratch pad holder. 142,635; Oct. 23.

Freemark, Michael J., Breckenridge, Minn. Helicopter toy. 142,636; Oct. 23.
 General Fireproofing Company, The: See—
 Brainard, G. C., and Loewy, assignors.
 Girard, Alexander H., Grosse Pointe, assignor to International Detroit Corporation, Detroit, Mich. Combination radio and phonograph cabinet. 142,637; Oct. 23.
 Gruber, Abe, New York, N. Y. Coat. 142,638; Oct. 23.
 Guglielmi, Victor, Leonia, N. J. Flexible band for a bracelet or similar article. 142,639; Oct. 23.
 Guglielmi, Victor, Leonia, N. J. Flexible band for a bracelet or similar article. 142,640; Oct. 23.
 Herman, Robert S.: See—
 Erger, Edward, assignor.
 International Detroit Corporation: See—
 Girard, Alexander H., assignor.
 Johnson, George V., assignor to Willamette Hyster Company, Portland, Ore. Industrial truck. 142,641; Oct. 23.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Clip or similar article. 142,642; Oct. 23.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Clip or similar article. 142,643; Oct. 23.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Clip or similar article. 142,644; Oct. 23.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 142,645; Oct. 23.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 142,646; Oct. 23.
 Kaufman, Paul, New York, N. Y. Brooch or similar article. 142,647; Oct. 23.
 Klonne, Albert B., Cincinnati, Ohio. Electric iron. 142,648; Oct. 23.
 Kohen, Jack J., South Bend, Ind. Clothes hamper. 142,649; Oct. 23.
 Lake, William W., et al.: See—
 Swanson, Ray, assignor.
 Loewy Raymond: See—
 Brainard G. C. and Loewy.
 Maryland Glass Corporation: See—
 Clevenger, Glen M., assignor.
 Meier, Joshua, New Rochelle, N. Y. Memorandum pad holder or the like. 142,650; Oct. 23.
 Montague, George E., Venice, and R. C. Romero, Los Angeles, Calif. Hobbyhorse. 142,651; Oct. 23.
 Morrow, Frank, Scituate, R. I. Jewelry pin or similar article. 142,652; Oct. 23.
 Muldoon, Elwood J., Detroit, Mich. Template. 142,653; Oct. 23.
 Newport, Jesse H., Jr., Upper Darby, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Bottle. 142,654; Oct. 23.
 Philippe, Alfred, Scarsdale, N. Y. Earring. 142,655; Oct. 23.
 Philippe, Alfred, Scarsdale, N. Y. Earring. 142,656; Oct. 23.
 Philippe, Alfred, Scarsdale, N. Y. Earring. 142,657; Oct. 23.
 Philippe, Alfred, Scarsdale, N. Y. Brooch or similar article. 142,658; Oct. 23.
 Philippe, Alfred, Scarsdale, N. Y. Brooch or similar article. 142,659; Oct. 23.
 Philippe, Alfred, Scarsdale, N. Y. Brooch or similar article. 142,660; Oct. 23.
 Philippe, Alfred, Scarsdale, N. Y. Brooch or similar article. 142,661; Oct. 23.
 Philippe, Alfred, Scarsdale, N. Y. Brooch or similar article. 142,662; Oct. 23.
 Philippe, Alfred, Scarsdale, N. Y. Brooch or similar article. 142,663; Oct. 23.

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Philippe, Alfred, Scarsdale, N. Y. Clip or similar article. 142,664; Oct. 23.
 Philippe, Alfred, Scarsdale, N. Y. Clip or similar article. 142,665; Oct. 23.
 Philippe, Alfred, Scarsdale, N. Y. Clip or similar article. 142,666; Oct. 23.
 Price, Darrel D., assignor to Thornton V. Allen, Los Angeles, Calif. Game board. 142,667; Oct. 23.
 Raymond, Horace W., Waterville, Maine. Partitioned tray. 142,668; Oct. 23.
 Rogow, Wilfred, Bayonne, N. J. Book or article of similar nature. 142,669; Oct. 23.
 Rogow, Wilfred, Bayonne, N. J. Book or article of similar nature. 142,670; Oct. 23.
 Romero, Robert C.: See—
 Montague, G. E., and Romero.
 Rosenberg, Isaac, St. Louis, Mo. Sports dress. 142,671; Oct. 23.
 Schirokauer, Henry, New York, N. Y. Set of game pieces. 142,672; Oct. 23.
 Schirokauer, Henry, New York, N. Y. Set of game pieces. 142,673; Oct. 23.
 Shatkin, Aaron: See—
 Shatkin, Rubin, assignor.
 Shatkin, Rubin, Brooklyn, N. Y., assignor to Aaron Shatkin, Matawan, N. J. Compact or the like. 142,674; Oct. 23.
 Sherr, Isaac B., Los Angeles, Calif. Multiple picture frame. 142,675; Oct. 23.
 Siegel, Morris B., Chicago, Ill. Cigarette case. 142,676; Oct. 23.
 Sklaar, Richard, Rochester, N. Y. Garment hanger. 142,677; Oct. 23.
 Smith, Donald J., Los Angeles, Calif. Combined pipe support and match pack holder. 142,678; Oct. 23.
 Spiegel, Paul, Brooklyn, N. Y. Lipstick container. 142,679; Oct. 23.
 Swanson, Ray, assignor of one-third to J. L. Wade, Los Angeles, and one-third to W. W. Lake, Pasadena, Calif. Mixer for butter or the like. 142,680; Oct. 23.
 Thonet Brothers, Inc.: See—
 Weill, Bruno R., assignor.
 Victor Metal Products Corporation: See—
 Derham, Philip A., assignor.
 Newport, Jesse H., Jr., assignor.
 Wade, John L., et al.: See—
 Swanson, Ray, assignor.
 Weill, Bruno R., Statesville, N. C., assignor to Thonet Brothers, Inc., New York, N. Y. Chair or similar article. 142,681; Oct. 23.
 Weill, Bruno R., Statesville, N. C., assignor to Thonet Brothers, Inc., New York, N. Y. Chair or similar article. 142,682; Oct. 23.
 Willamette Hyster Company: See—
 Johnson, George V., assignor.
 Yeager, Earnest C., McGregor, Tex. Clothespin. 142,683; Oct. 23.
 Zinkel, Engelbert, San Francisco, Calif. Foldable exercising mat or similar article. 142,685; Oct. 23.
 Zorichak, William A., Cloquet, Minn. Watch bracelet. 142,684; Oct. 23.

LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 23d DAY OF OCTOBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. W. Cash Company: See—
 Terry, Charles M., assignor.
 Abeles, Paul W., London, England. Construction of pitched roofs. 2,387,487; Oct. 23.
 Abramson, John H., and E. C. Swanson, assignors to Greenlee Bros. & Co., Rockford, Ill. Apparatus for disassembling and reassembling tracks. 2,387,551; Oct. 23.
 Acken, Marshall F., Woodbury, N. J., and O. E. Olsen, Washburn, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Trinitrotoluene. 2,387,488; Oct. 23.
 Adel Precision Products Corp.: See—
 Eggert, R. E., and Le Vesconte, assignors.
 Robertson, Archibald, assignor.
 Aircraft Screw Products Company, Inc.: See—
 Haas, Otto, assignor.
 Aktiebolaget Svenska Carbidekontoret: See—
 Nordholm, Karl S. J., assignor.
 Alberts, Leon N., New York, N. Y. Corselet. 2,387,552; Oct. 23.
 Allen Property Custodian: See—
 Antonelli, L., and Pavan.
 Aurbach, Kurt.
 Bauersfeld, Walthar.
 Beer, L., Berg, and Gruber.
 Boulet, Georges.
 Custers, Jakob.
 Eggers, Hans.
 Elkentscher, H., and Roehm.
 Gehmlich, Bruno.
 Gobin dit Daude, Jean E. F.
 Hansen, Gerhard.
 Hunsdiecker, Heinz.
 Jasse, Raymond J.
 Kesselring, F., Gieffers, and Kaufmann.
 Kolb, Emil.
 Küffer, Johannes.
 Lesser, Otto.
 L'Orange, Prosper.
 Neugebauer, Franz, and Wagenseil.
 Paumier, André P.
 Rossmannith, Wolfgang.
 Ryba, Anton.
 Schafer, Josef.
 Schmidt, Gerhard.
 Schmidt, W., and Seydel.
 Schuler, H., Gruttner, and Dronigke.
 Seidel, J., and Weber.
 Waseige, Charles R.
 Allied Chemical & Dye Corporation: See—
 Flett, Lawrence H., assignor.
 Fleysher, Maurice H., assignor.
 Ogilvie, James, assignor.
 Alpert, Ned, Milwaukee, Wis. Cutting implement. 2,387,633; Oct. 23.
 Aluminum Company of America: See—
 Anderson, Russell G., assignor.
 American Cyanamid Company: See—
 Funk, Charles E., Jr., assignor.
 Groten, Frank J., assignor.
 McLachlan, Dan, Jr., assignor.
 American Cyanamid & Chemical Corporation: See—
 Dove, Thomas, Jr., assignor.
 American Engineering Company: See—
 Bennett, Joseph S., assignor.
 American Laundry Machinery Company, The: See—
 Preston, John E., assignor.
 American Machine & Foundry Company: See—
 Neumair, J. A., and Johnson, assignors.
 American Optical Company: See—
 Guellich, G. E., and Gradisar, assignors.
 Styll, Harry H., assignor.
 American Rayon Company, Inc.: See—
 Furness, William H., assignor.
 American Steel and Wire Company: See—
 Clark, R., and Patterson, assignors.
 American Steel and Wire Company of New Jersey, The: See—
 Leonard, William E., assignor.
 Stewart, James W., assignor.
 Andersen, Bjorn, Maplewood, and E. Schweizer, East Orange, N. J., assignors to Celanese Corporation of America. Shatterproof plastic. 2,387,227; Oct. 23.
 Andersen, Soren K., Los Angeles, and C. J. Vanous, Burbank, assignors to The Garrett Corporation Aircraft Research Manufacturing Company division, Los Angeles, Calif. Oil cooler protective device. 2,387,426; Oct. 23.
 Anderson, Russell G., Bedford, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Piston connection. 2,387,634; Oct. 23.
 Antonelli, Leonida, Este, Padova, and O. Pavan, Imola, Italy; vested in the Allen Property Custodian. Milling machine for ingots. 2,387,553; Oct. 23.
 Arnold, Philip M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Purifying anhydrous aluminum chloride. 2,387,228; Oct. 23.
 Ash, Charles S., Milford, Mich. Dual wheel assembly. 2,387,382; Oct. 23.
 Atkinson, John F.: See—
 Watkins, B. O., and Atkinson.
 Atlas Powder Company: See—
 Holst, William H., assignor.
 Atlee, Zed J., Elmhurst, and J. C. Filmer, Wheaton, assignors to General Electric X-ray Corporation, Chicago, Ill. X-ray apparatus. 2,387,427; Oct. 23.
 Ault, Waldo C., Peoria, Ill., assignor to The United Gas Improvement Company. Catalytic polymers from high boiling unsaturated products of petroleum pyrolysis. 2,387,237; Oct. 23.
 Aurbach, Kurt, Bielefeld, Germany; vested in the Allen Property Custodian. Bookkeeping machine. 2,387,554; Oct. 23.
 Auten, Claude I., assignor to Tennessee Coal, Iron and Railroad Company, Birmingham, Ala. Prefabricated metal house construction. 2,387,229; Oct. 23.
 Automatic Telephone & Electric Company: See—
 Murray, Lawrence J., assignor.
 B. B. Chemical Co.: See—
 Macdonald, Alexander D., assignor.
 Bailey, Herbert S., Ontario, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Preparation of pectin. 2,387,635; Oct. 23.
 Bailey, Herbert S., Ontario, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Preparation of pectin. 2,387,636; Oct. 23.
 Bailey, Lothrop H., Penn Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Jolly balance. 2,387,489; Oct. 23.
 Bareiss, Max, Livingston, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Thermionic tube and anode plate therefor. 2,387,238; Oct. 23.
 Bassford, Henry H., Jr.: See—
 Gardner, W. H., and Bassford.
 Batchelder, Howard R.: See—
 Hall, E. L., and Batchelder.
 Bates, Lawrence G., Shaker Heights, Ohio. Liquid dispensing means. 2,387,699; Oct. 23.
 Bauersfeld, Walthar, Jena, Germany; vested in the Allen Property Custodian. Apparatus for plotting maps from photographs. 2,387,555; Oct. 23.
 Baunach, Roy J., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Retracting cord reel. 2,387,556; Oct. 23.
 Becker, Milton, Passaic, N. J. Secret pocket billfold. 2,387,490; Oct. 23.
 Beekley, Henry L., Glen Ellyn, Ill., assignor to Electric Corporation. Modulating valve. 2,387,225; Oct. 23.
 Beer, Ludwig, H. Berg, and W. Gruber, Burghausen, Germany; vested in the Allen Property Custodian. Cooling and heating liquids. 2,387,557; Oct. 23.
 Bell Telephone Laboratories, Incorporated: See—
 Bonorden, Allen R., assignor.
 Dickleson, Alton C., assignor.
 Hise, R. H., and Niles, assignors.
 Johnson, Kenneth S., assignor.
 Lundstrom, Alexis A., assignor.
 Bendix Aviation Corporation: See—
 Stelzel, Roderick W., assignor.
 Bennett, Joseph S., Merion, assignor, by mesne assignments, to American Engineering Company, Philadelphia, Pa. Stoker. 2,387,383; Oct. 23.
 Benning, Anthony F.: See—
 Downing, F. B., Benning, and McHarness.
 Berg, Herbert: See—
 Beer, L., Berg, and Gruber.
 Bethune, John W., Wyandotte, Mich. Piano construction. 2,387,491; Oct. 23.
 Bierly, Lester A., Massillon, Ohio. Anti-icing device for aircraft. 2,387,637; Oct. 23.
 Billheimer, Willard C.: See—
 Koenig, H. L., Billheimer, and Havlick.
 Birdsall, Edwin H., Golden, Ohio, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Gauging device. 2,387,638; Oct. 23.

Blanton, William B.: See—
 Demonet, E. A., and Blanton.
 Blaw-Knox Company: See—
 Venable, William M., assignor.
 Blaylock, Raymond C., Bexley, and P. Bukoff, Reynoldsburg, Ohio, assignors to Curtiss-Wright Corporation. Hydraulically operated split flaps. 2,387,492; Oct. 23.
 Bock, George E., Chicago, assignor to Whiting Corporation. Harvey, Ill. Variable-speed hydraulic coupling. 2,387,230; Oct. 23.
 Bonorden, Allen R., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Teletypewriter testing system. 2,387,558; Oct. 23.
 Bonsall, Charles D., Chicago, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Floor protecting sheet for railway cars. 2,387,226; Oct. 23.
 Bonvillian, Claude A., U. S. Navy, R. C. Brierly, Narberth, and S. Letvin, Philadelphia, Pa. Boiler steam baffling and dry pipe. 2,387,239; Oct. 23.
 Borg, Edward M., Seattle, Wash. Fish canning machinery. 2,387,240; Oct. 23.
 Bornstein, Alfred B.: See—
 Hall, Mora S., and Bornstein, A. B. and W.
 Bornstein, William: See—
 Hall, Mora S., and Bornstein, A. B. and W.
 Bottoms, Robert R., Crestwood, and J. H. Bowden, Louisville, Ky., assignors to National Cylinder Gas Company, Chicago, Ill. Fractionating column. 2,387,231; Oct. 23.
 Bouchelle, William T., Scarsdale, N. Y., assignor to The Lord Baltimore Press, Baltimore, Md. Display device. 2,387,639; Oct. 23.
 Bouchelle, William T., Scarsdale, N. Y., assignor to The Lord Baltimore Press, Baltimore, Md. Dispensing container. 2,387,640; Oct. 23.
 Boughton, Willis A., and W. R. Mansfield, Cambridge, and F. C. Hughes, Boston, assignors to W. A. Boughton, C. L. Dawes, W. R. Mansfield, F. C. Hughes, and D. M. Hill, trustees of Mica Patents Trust, Cambridge, Mass. Making high temperature-resisting bonded mica products. 2,387,559; Oct. 23.
 Boulet, Georges, Plessis-Robinson, France; vested in the Alien Property Custodian. Aircraft power plant for high altitude flight. 2,387,560; Oct. 23.
 Bowden, James H.: See—
 Bottoms, R. R., and Bowden.
 Boyd, Charles P., Kennet Square, Pa. Trough supporting means. 2,387,241; Oct. 23.
 Brake Equipment & Supply Company: See—
 Pratt, Best, assignor.
 Brede, Martin H., Denver, Colo. Carrying pocket. 2,387,232; Oct. 23.
 Brenner, Ralph F., Lancaster, Ohio, assignor to Dominion Minerals, Incorporated, Washington, D. C. Treating the rock, apatite. 2,387,561; Oct. 23.
 Brierly, Ralph C.: See—
 Bonvillian, C. A., Brierly, and Letvin.
 Brinen, Howard F.: See—
 Young, F. M., Shaw, and Brinen.
 Bristol Company, The: See—
 Helming, Fred W., assignor.
 Brokaw, Charles A., Houston, Tex. Cementing wells. 2,387,493; Oct. 23.
 Brothers, Norman W., Providence, R. I. Tourniquet. 2,387,428; Oct. 23.
 Brown and Sharpe Manufacturing Company: See—
 Gigger, Walter A., assignor.
 Brown, Ben M.: See—
 McCormick, G., and Brown.
 Brown, George, Chicago, Ill. Fastener. 2,387,641; Oct. 23.
 Brunot, Albert W., Lynn, Mass., assignor to General Electric Company. Condition control system. 2,387,562; Oct. 23.
 Brunswick-Balke-Collender Company, The: See—
 Luth, H. J., and Krupnick, assignors.
 Bucyrus-Erie Company: See—
 Davidson, T. O., and Hoar, assignors.
 Hoar, Roger S., assignor.
 Budd Wheel Company: See—
 Farr, Warren H., assignor.
 Bukoff, Peter: See—
 Blaylock, R. C., and Bukoff.
 Bush, A. G.: See—
 Criner, Harry J., assignor.
 Bush, George T.: See—
 Ursutz, Joseph J., assignor.
 Bushrod, Charles J., Prestwich, Manchester, assignor to Magnesium Elektron Limited, London, England. Protection of magnesium and magnesium base alloys against corrosion. 2,387,494; Oct. 23.
 Calhoun, Vernon, Chicago, Ill. Hemostat and forming same. 2,387,642; Oct. 23.
 California Fruit Growers Exchange: See—
 Bailey, Herbert S., assignor.
 Campbell, Leon W., Hendersonville, N. C. Picker. 2,387,384; Oct. 23.
 Cantrell, Troy L.: See—
 Smith, H. G., and Cantrell.
 Carbide and Carbon Chemicals Corporation: See—
 Toussaint, Walter J., assignor.

Carliss, Oswald S., Fairfield, assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Multiple capacity weighing scale. 2,387,242; Oct. 23.
 Carnegie-Illinois Steel Corporation: See—
 Zahutnik, Walter A., assignor.
 Carter Carburetor Corporation: See—
 Martin, Charles L., assignor.
 Weakley, John F., assignor.
 Castor, Wilbur W., Mount Lebanon, Pa. Flake for decorative and protective coatings. 2,387,243; Oct. 23.
 Cate, Paul H., New York, N. Y., assignor to Kelco Company, San Diego, Calif. Glassine paper. 2,387,429; Oct. 23.
 Celanese Corporation of America: See—
 Andersen, B., and Schweizer, assignors.
 Chamberlain, Inc.: See—
 Francis, John G., assignor.
 Champion, William J., assignor to Ditto, Incorporated, Chicago, Ill. Hectograph blanket having a copy mass comprising a silicate. 2,387,643; Oct. 23.
 Chapple, Elliot D., Belmont, Mass. Interaction recorder. 2,387,563; Oct. 23.
 Cherry-Burrell Corporation: See—
 Lundal, I. J., and Weinreich, assignors.
 Christel, Conrad, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield and cleaner therefor. 2,387,564; Oct. 23.
 Chrysler Corporation: See—
 Cousino, Walter P., assignor.
 Pennington, Gordon R., assignor.
 Wallace, D. A., Hewlett, and Wilbur, assignors.
 Ciba Pharmaceutical Products, Incorporated: See—
 Hoffmann, K., and Von Meyenburg, assignors.
 Ruzicka, L., and Wettstein, assignors.
 Ciba Products Corporation: See—
 Widmer, G., and Fisch, assignors.
 Citizens Trust & Savings Bank of Evansville, Ind., administrator: See—
 Stangle, William H., assignor.
 Clapp, Kenneth S., Shaker Heights, Ohio. Dispensing pump. 2,387,233; Oct. 23.
 Clapp, Kenneth S., Shaker Heights, Ohio. Fluid control valve mechanism. 2,387,234; Oct. 23.
 Clark, Robert, Parma, and H. R. Patterson, Shaker Heights, Ohio, assignors to The American Steel and Wire Company of New Jersey. Apparatus for orienting and accumulating elongated articles. 2,387,235; Oct. 23.
 Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Copolymers. 2,387,385; Oct. 23.
 Clopay Corporation: See—
 Thexton, Arthur L., assignor.
 Coffey, Elmer W., La Grange, assignor to H. P. Smith Paper Company, Chicago, Ill. Rewinding mechanism. 2,387,644; Oct. 23.
 Coffman, Donald D., Lindamere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Products and process therefor. 2,387,495; Oct. 23.
 Cohn, Samuel, New York, N. Y. Fabric cutting system. 2,387,386; Oct. 23.
 Columbus Coated Fabrics Corporation: See—
 Hedges, W. D., Lowman, and Kerr, assignors.
 Columbus McKinnon Chain Corporation: See—
 Parker, Humphrey E., assignor.
 Comfort Products Corporation: See—
 Spitzka, Bruno J., assignor.
 Compton, Walter A., and J. M. Treneer, assignors to Miles Laboratories, Inc., Elkhart, Ind. Tablet and dissolving same. 2,387,244; Oct. 23.
 Continental Can Company, Inc.: See—
 Kronquest, Alfred L., assignor.
 Cook, Judson A., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Gauging apparatus. 2,387,645; Oct. 23.
 Cooke, Edward F., Jr.: See—
 Roach, E. J., and Cooke.
 Corn Products Refining Company: See—
 Leuck, Gerald J., assignor.
 Cornelius, James R., Coventry, England. Making fine measurements. 2,387,496; Oct. 23.
 Cousino, Walter P., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Speed control for engines. 2,387,236; Oct. 23.
 Cox, Arthur, assignor to Taylor, Taylor, & Hobson Limited, Leicester, England. Optical objective. 2,387,497; Oct. 23.
 Cox, John W., assignor to Self-Locking Carton Co., Chicago, Ill. Carton. 2,387,314; Oct. 23.
 Cox, Thomas K., Randallstown, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Coated articles. 2,387,498; Oct. 23.
 Cribb, Ernest F., Vancouver, British Columbia, Canada. Hull of motor vessels. 2,387,700; Oct. 23.
 Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Mechanical toy. 2,387,565; Oct. 23.
 Crompton & Knowles Loom Works: See—
 Payne, Oscar V., assignor.
 Santon, Elliot A., assignor.
 Crosman, Loring P., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Electric motor protective system. 2,387,646; Oct. 23.

Crosman, Loring P., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Orienting instrument. 2,387,647; Oct. 23.
 Crosman, Loring P., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Clutch. 2,387,648; Oct. 23.
 Cross, Harry M., Rochester, N. Y. Package stacker. 2,387,315; Oct. 23.
 Crown Cork & Seal Company, Inc.: See—
 Grabus, A. P., Jr., and Warth, assignors.
 Cunningham, Marion M., South Bend, Ind., assignor to United States Rubber Company, New York, N. Y. Fuel supply system. 2,387,316; Oct. 23.
 Cunningham, George R., Grosse Pointe Farms, Mich. Trim panel. 2,387,317; Oct. 23.
 Curtiss-Wright Corporation: See—
 Blaylock, R. C., and Bukoff, assignors.
 Lindabury, Tryon S., assignor.
 Nagamatsu, Henry T., assignor.
 Rose, Howard E., assignor.
 Custers, Jakob, Gladbach-Rheydt, Germany; vested in the Alien Property Custodian. Apparatus for connecting piles of thermoplastic material. 2,387,566; Oct. 23.
 Cutler-Hammer, Inc.: See—
 Rouise, William H., assignor.
 Daly, William J., Brooklyn, N. Y., assignor, by mesne assignments, to Jasco, Incorporated. Stabilization of polyisobutylene. 2,387,499; Oct. 23.
 Daus, Eugene T., South St. Paul, Minn. Tool. 2,387,430; Oct. 23.
 Davidson, Trevor O., Milwaukee, and R. S. Hoar, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Spooling device. 2,387,245; Oct. 23.
 Davies, Clarence J., assignor to National Automotive Fibres, Inc., Detroit, Mich. Attachment for sewing machines. 2,387,649; Oct. 23.
 Davies, Harry: See—
 Reimschuessel, C. A., and Davies.
 Davis, Edward A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for cutting strip material. 2,387,650; Oct. 23.
 Daves, Chester L., et al., trustees: See—
 Boughton, W. A., Mansfield, and Hughes, assignors.
 Dayton Steel Foundry Company, The: See—
 Walther, G., and Miller, assignors.
 De Feo, Fred, New York, N. Y. Sweat band. 2,387,567; Oct. 23.
 Demonet, Eugene A., Short Hills, N. J., and W. B. Blanton, Merrick, assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph exchange system. 2,387,246; Oct. 23.
 Dempster, George R., Knoxville, Tenn. Transporting and dumping equipment. 2,387,500; Oct. 23.
 Densten, Ulysses G., Quakertown, Pa. Preserving jar opener and closer. 2,387,651; Oct. 23.
 Desjardins, Oscar: See—
 McIlwrick, J., and Desjardins.
 Detrick, M. H., Company: See—
 Hosbel, L. H., and Ellman, assignors.
 Dickieson, Alton C., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmission system. 2,387,652; Oct. 23.
 Dietrich, Melvin A., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrocarbon oil. 2,387,501; Oct. 23.
 Ditto, Incorporated: See—
 Champion, William J.
 Dodge, Kenneth J.: See—
 MacGuire, W. E., and Dodge.
 Dominion Magnesium Limited: See—
 Plidgeon, Lloyd M., assignor.
 Dominion Minerals, Incorporated: See—
 Brenner, Ralph E., assignor.
 Dove, Thomas, Jr., Pottsville, Pa., assignor to American Cyanamid & Chemical Corporation, New York, N. Y. Lowering device for large cartridges. 2,387,701; Oct. 23.
 Dow Chemical Company, The: See—
 Ohlman, Edward O., assignor.
 Downey, Paul M., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Thermoplastic compositions. 2,387,502; Oct. 23.
 Downing, Frederick B., Carneys Point, A. F. Benning, Woodstown, and R. C. McHarnes, Carneys Point, N. J., assignors to Kinetic Chemicals, Inc., Wilmington, Del. Composition of matter and pyrolytic methods of synthesizing them. 2,387,247; Oct. 23.
 Drennan, Harry E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Polymerization catalyst. 2,387,318; Oct. 23.
 Dronigke, Erich: See—
 Schuler, H., Gruttner, and Dronigke.
 Drott, Edward A., and J. H. Kerber, assignors to Hi-Way Service Corporation, Milwaukee, Wis. Industrial truck. 2,387,568; Oct. 23.
 Du Laney, George W., Camden, N. J. Wall construction. 2,387,431; Oct. 23.
 Du Laney, George W., Camden, N. J. Structural wall section. 2,387,432; Oct. 23.
 Dunlap, Charles K., and L. B. Stogner, Hartsville, S. C., assignors to Sonoco Products Company. Cone marking machine and method. 2,387,248; Oct. 23.

Du Pont, E. I., de Nemours & Company: See—
 Aiken, M. F., and Olsen, assignors.
 Coffman, Donald D., assignor.
 Dietrich, Melvin A., assignor.
 Green, Howard D., assignor.
 Helntz, W. P., and Zillesen, assignors.
 Hilberg, Frank C., assignor.
 Littler, Clarence A., assignor.
 Patterson, G. D., and Sloan, assignors.
 Prichard, William W., assignor.
 Seidel, George R., assignor.
 Vana, Charles A., assignor.
 Vincent, John R., assignor.
 Ecusta Paper Corporation: See—
 Harris, Lloyd O., assignor.
 Eddington, George D., Burbank, Calif. Automatic stabilizing system for vehicles. 2,387,249; Oct. 23.
 Eddy, Harold C., Los Angeles, Calif., assignor, by mesne assignments, to Petrolite Corporation, Ltd., Wilmington, Del. Treating oil. 2,387,250; Oct. 23.
 Eggers, Hans, Berlin, Germany; vested in the Alien Property Custodian. Determining positions in space. 2,387,569; Oct. 23.
 Eggert, Ronald E., Burbank, and H. J. Le Vesconte, Glendale, Calif., assignors to Adel Precision Products Corp. Resilient lock nut. 2,387,251; Oct. 23.
 Electric Arc, Inc.: See—
 Holslag, Claude J., assignor.
 Electromatic Corporation: See—
 Beckley, Henry L., assignor.
 Elliott, Gordon R., Ferndale, assignor to Velvac Incorporated, Detroit, Mich. Control valve. 2,387,653; Oct. 23.
 Ellis, Eugene D., Miami, Fla. Display device. 2,387,503; Oct. 23.
 Ellman, Louis: See—
 Hosbel, L. H., and Ellman.
 Ensign-Bickford Company, The: See—
 Pearsall, David E., assignor.
 Ensinger, R. L.: See—
 Kittler, M., and Ensinger.
 Evans, Glenn E., Denver, Colo. Key container. 2,387,319; Oct. 23.
 Ewaldson, Waldemar C., Millington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Distributing control device. 2,387,570; Oct. 23.
 Farnsworth Television and Radio Corporation: See—
 Sanders, Robert W., assignor.
 Farr, Warren H., Grosse Pointe Farms, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Trailer. 2,387,504; Oct. 23.
 Federal Electric Company, Inc.: See—
 Richter, H. W., and Gillette, assignors.
 Felzer, William, and S. Weinberg, San Francisco, Calif. Compressor. 2,387,505; Oct. 23.
 Fenton, Frank, Akron, assignor to The Sun Rubber Company, Barberton, Ohio. Valve for hollow inflatable articles. 2,387,433; Oct. 23.
 Fibreboard Products Inc.: See—
 Goodyear, Charles H., assignor.
 Fikentscher, Hans, Ludwigshafen-on-Rhine, and R. Roehm, Troisdorf-Oberlar, Germany; vested in the Alien Property Custodian. Heat-stabilized high-polymer halogen-containing products. 2,387,571; Oct. 23.
 Filmer, James C.: See—
 Atlee, Z. J., and Filmer.
 Fisch, Willi: See—
 Widmer, G., and Fisch.
 Fitch, Oran F., Auburn, Calif. Hay handling device. 2,387,434; Oct. 23.
 Fleischer, Philip, et al.: See—
 Horowitz, Nathan, assignor.
 Fletcher, Aubrey L.: See—
 Orme, G. L., Jones, and Fletcher.
 Flett, Lawrence H., Hamburg, N. Y., assignor to Allied Chemical & Dye Corporation. Detergent composition and making same. 2,387,572; Oct. 23.
 Fleysher, Maurice H., Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation. Preparation of aromatic ortho-dinitriles. 2,387,435; Oct. 23.
 Foster, Boutwell H., Maplewood, N. J., assignor to United States Rubber Company, New York, N. Y. Highly stretchable yarn. 2,387,320; Oct. 23.
 Francis, John G., assignor to Chamberlain, Inc., Chicago, Ill. Coffee brewer. 2,387,322; Oct. 23.
 Frank, Louis, Fellows, Calif. Wire or rod connector and clamp. 2,387,436; Oct. 23.
 Frankenberg Bros., Inc.: See—
 Klein, C. F., and Huber, assignors.
 Freeman, Roland J., Baldwin, N. Y. Desk furniture. 2,387,506; Oct. 23.
 Fuld, Paul A., Glen Burnie, Md. Trundle toy. 2,387,507; Oct. 23.
 Funk, Charles E., Jr., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing alpha-naphthylmethyl chloride. 2,387,702; Oct. 23.
 Furness, William H., Haddonfield, assignor to American Rayon Company, Inc., Collingswood, N. J. Reeling device. 2,387,252; Oct. 23.
 Ganson, Howard H., assignor to Hygeia Nursing Bottle Company, Inc., Buffalo, N. Y. Nursing unit. 2,387,573; Oct. 23.

Garber, Ray S., Montreal, Quebec, Canada, assignor to United States Rubber Company, New York, N. Y. Track for track-laying vehicles. 2,387,387; Oct. 23.

Gardner, Earl W., and W. F. Nickum, Salt Lake City, Utah, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Ammunition machinery. 2,387,654; Oct. 23.

Gardner, William H., Bayside, and H. H. Bassford, Jr., Brooklyn, assignors to U. S. Shellac Importers Association, Inc., New York, N. Y. Shellac-polyglycol reaction products and making same. 2,387,388; Oct. 23.

Garrett Corporation A Research Manufacturing Company Division, The: See—

Andersen, S. K., and Vanous, assignors.

Gaynor, James W., Whiting, Ind., C. N. White, and R. W. Watson, assignors to Standard Oil Company, Chicago, Ill. Antirusts. 2,387,323; Oct. 23.

Gehmlich, Bruno, Freital, near Dresden, Germany; vested in the Alien Property Custodian. Photographic shutter. 2,387,574; Oct. 23.

General Electric Company: See—

Brunot, Albert W., assignor.

General Electric Company: See—

Moyer, Elmo E., assignor.

Savage, Robert H., assignor.

Young, George G., assignor.

General Electric X-Ray Corporation: See—

Atlee, Z. J., and Filmer, assignors.

General Motors Corporation: See—

Murder, William T., assignor.

Gerber, Dan C., North Canton, and R. C. Osborn, Canal Fulton, assignors to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,387,655; Oct. 23.

Getaz, James L., New York, N. Y., assignor to Scott and Williams, Incorporated, Laconia, N. H. Knitting method and machine. 2,387,253; Oct. 23.

Gleffers, Friedrich: See—

Kesselring, F., Gleffers, and Kaufmann.

Gligzer, Walter A., Barrington, R. I., assignor to Brown and Sharpe Manufacturing Company. Control device. 2,387,254; Oct. 23.

Gillette, Harold R.: See—

Richter, H. W., and Gillette.

Gisholt Machine Company: See—

Sundt, Vigo von K., assignor.

Gledhill, Edward C., Gallon, Ohio. Earth mover and bulldozer. 2,387,656; Oct. 23.

Glickman, Leonard, Miami Beach, Fla. Method of and device for cleaning auto radiators. 2,387,324; Oct. 23.

Gobin dit Daude, Jean E. F., Neuilly-sur-Seine, France; vested in the Alien Property Custodian. Fastener for detachably assembling two parts. 2,387,575; Oct. 23.

Godlewski, John P., Detroit, Mich. Fishing lure. 2,387,255; Oct. 23.

Gogglin, David E., Brooklyn, assignor to F. J. Kennan, Hoboken, N. J. Heating apparatus. 2,387,437; Oct. 23.

Goldsby, Arthur R., Beacon, assignor to The Texas Company, New York, N. Y. Conversion of hydrocarbon oils. 2,387,508; Oct. 23.

Goldsmith, William M., Cincinnati, Ohio. Partition structure. 2,387,389; Oct. 23.

Goodrich, B. F., Company, The: See—

Davis, Edward A., assignor.

Goodwin, Alfred E., Ottumwa, Iowa. Inking mechanism for duplicating machines. 2,387,390; Oct. 23.

Goodyear, Charles H., Stockton, assignor to Fibreboard Products Inc., San Francisco, Calif. Container. 2,387,325; Oct. 23.

Gosselin, Wilfred J., Methuen, Mass., assignor to U. S. Bobbin & Shuttle Co., Providence, R. I. Shuttle. 2,387,438; Oct. 23.

Grabus, Andrew P., Jr., and A. H. Warth, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Sealing containers. 2,387,439; Oct. 23.

Gradisar, Albin A.: See—

Guellich, G. E., and Gradisar.

Graves, Charles W., Arlington, Mass. Heating system. 2,387,576; Oct. 23.

Gray, Earl: See—

McCullough, F., and Gray.

Green, George H., Oakland, Calif. Steam boiler. 2,387,391; Oct. 23.

Green, Howard D., Altadena, Calif., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of hydrocyanic acid. 2,387,577; Oct. 23.

Green, Lee B., Lakewood, Ohio. Miniature railway. 2,387,578; Oct. 23.

Greenlee Bros. & Co.: See—

Abramson, J. H., and Swanson, assignors.

Griffin, Roger L., Marblehead, and N. Y. Moore, Danvers, assignors to A. C. Lawrence Leather Company, Peabody, Mass. Shearing machine. 2,387,579; Oct. 23.

Grinnell Corporation: See—

Loepsinger, Albert J., assignor.

Gross, Alfred G., Wilmette, Ill., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,387,657; Oct. 23.

Groten, Frank J., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Curing phenol-formaldehyde resins. 2,387,256; Oct. 23.

Grove, David B., Mascot, Tenn., assignor to Minerals Beneficiation, Incorporated, Joplin, Mo. Heavy media separation process. 2,387,580; Oct. 23.

Gruber, Irving B., and W. L. Zemberry, Pittsburgh, Pa., assignors to National Tube Company. Machine for bundling tubular articles and the like. 2,387,658; Oct. 23.

Gruber, Wolfgang: See—

Beer, L., Berg, and Gruber.

Gruttner, Hans: See—

Schuler, H., Gruttner, and Dronigke.

Guellich, Gustav E., and A. A. Gradisar, Buffalo, N. Y., assignors, by mesne assignments, to American Optical Company, Southbridge, Mass. Coordinate measuring stage. 2,387,440; Oct. 23.

Gulf Oil Corporation: See—

Smith, H. G., and Cantrell, assignors.

Gulf Research & Development Company: See—

Bailey, Lothrop H., assignor.

Guyer, Reynolds, and R. J. Hennessey, assignors to Waldorf Paper Products Company, St. Paul, Minn. Constructing containers. 2,387,392; Oct. 23.

Haas, Otto, Richmond Hill, assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y. Flanged nut. 2,387,257; Oct. 23.

Haddad, Nassib, Iselin, N. J., assignor to United States Rubber Company, New York, N. Y. Making highly stretchable textile yarn. 2,387,321; Oct. 23.

Hafso, Martin O., Aberdeen, S. Dak. Building unit and construction. 2,387,659; Oct. 23.

Hague, Alfred, Ossining, N. Y. Thermal applicator. 2,387,258; Oct. 23.

Hall, Edwin L., Manchester, N. H., and H. R. Batchelder, Drexel Hill, Pa., assignors to The United Gas Improvement Company. High boiling unsaturated products of petroleum pyrolysis and heat polymers therefrom. 2,387,259; Oct. 23.

Hall, Mora S., Brentwood, and A. B. and W. Bornstein, Takoma Park, Md. Plugless valve. 2,387,660; Oct. 23.

Hamilton, George E., assignor to Keystone View Company, Meadville, Pa. Attachment for picture projecting apparatus. 2,387,441; Oct. 23.

Hamilton, George E., Meadville, Pa., assignor to Keystone View Company. Device for visual training. 2,387,442; Oct. 23.

Hansen, Gerhard, Jena, Germany; vested in the Alien Property Custodian. Refractometer for turbid liquids and pulpy substances. 2,387,581; Oct. 23.

Hargreaves, Robert, and J. Youngsma, assignors to Whittin Machine Works, Whitinsville, Mass. Spindle. 2,387,260; Oct. 23.

Harris, Frederic R., New York, N. Y. Chain clamp. 2,387,509; Oct. 23.

Harris, Lloyd Q., Brevard, N. C., assignor to Ecusta Paper Corporation. Gluing. 2,387,261; Oct. 23.

Harrison, Gale, Ivanhoe, N. C. Completing the packaging of berries. 2,387,326; Oct. 23.

Hasenberg, Werner, Rio de Janeiro, Brazil. Communication system. 2,387,443; Oct. 23.

Havlick, Howard T.: See—

Koenig, H. L., Billheimer, and Havlick.

Hayslett, Lamar E., Kenmore, and F. H. Osborne, Snyder, N. Y., assignors to The Rudolph Wurlitzer Company, Cincinnati, Ohio. Remote control apparatus. 2,387,444; Oct. 23.

Hedges, William D., J. C. Lowman, and T. J. Kerr, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio. Manufacture of plasticizer or softening agent. 2,387,393; Oct. 23.

Hedges, William D., J. C. Lowman, and T. J. Kerr, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio. Coated fabric material. 2,387,394; Oct. 23.

Hedges, William D., J. C. Lowman, and T. J. Kerr, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio. Patent leather. 2,387,395; Oct. 23.

Hedges, William D., J. C. Lowman, and T. J. Kerr, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio. Upholstering fabric. 2,387,396; Oct. 23.

Helntz, Wallace P., Belmont, and W. H. Zilleisen, Boston, Mass., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Unified process for treating wool. 2,387,510; Oct. 23.

Helbush, Herman H.: See—

Wallace, Frank C., assignor.

Helming, Fred W., assignor to The Bristol Company, Waterbury, Conn. Broaching apparatus. 2,387,582; Oct. 23.

Hennessey, Russell J.: See—

Guyer, R., and Hennessey.

Henry, Wesley C., Burbank, and Allen B. Maxam, Glendale, Calif. Collet chuck. 2,387,511; Oct. 23.

Hercules Powder Company: See—

Sheffield, Donald H., assignor.

Herring, William W., Oklahoma City, Okla. Concrete wall form. 2,387,445; Oct. 23.

Herz, Cornelius M., assignor to Irwin Machinery Company, Grand Rapids, Mich. Board feed for woodworking machines. 2,387,446; Oct. 23.

Hess, Frederic O., Germantown, Pa., assignor to Selas Corporation of America. Aircraft heating means. 2,387,583; Oct. 23.

Hewlett, Ray E.: See—

Waller, D. A., Hewlett, and Wilbur.

Hibbard, Lloyd J., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,387,262; Oct. 23.

Hilberg, Frank C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Luminescent adhesive tape. 2,387,512; Oct. 23.

Hill, Donald M., et al., trustees: See—

Boughton, W. A., Mansfield, and Hughes, assignors.

Hill, Ralph H., Flint, Mich. Rotary disk valve. 2,387,397; Oct. 23.

Hi-Way Service Corporation: See—

Drott, E. A., and Kerber, assignors.

Hoar, Roger S., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Wheeled scraper. 2,387,263; Oct. 23.

Hoar, Roger S.: See—

Davidson, T. O., and Hoar.

Hocott, Claude R., Houston, Tex., assignor to Standard Oil Development Company. Well logging. 2,387,513; Oct. 23.

Hoffmann, Karl, and H. Von Meyenburg, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Basic ethers and making same. 2,387,447; Oct. 23.

Holcomb, Charles S., and R. Overson, Salt Lake City, Utah, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Primer cup racking device. 2,387,661; Oct. 23.

Holland Company: See—

Holland, Cyrus J., assignor.

Holland, Cyrus J., Chicago, Ill., assignor to Holland Company. Vehicle spring. 2,387,264; Oct. 23.

Holland, Cyrus J., Chicago, Ill., assignor to Holland Company. Spring for vehicles. 2,387,265; Oct. 23.

Holland, Cyrus J., Chicago, Ill., assignor to Holland Company. Vehicle suspension. 2,387,266; Oct. 23.

Holley, Earl, et al.: See—

Kittler, M., and Ensinger, assignors.

Holley, George M., et al.: See—

Kittler, M., and Ensinger, assignors.

Holmes, August, Cranford, N. J., assignor, by mesne assignments, to Standard Catalytic Company. Making cellular asphaltic insulation material. 2,387,514; Oct. 23.

Holslag, Claude J., South Orange, assignor to Electric Arc, Inc., Newark, N. J. Alternating current regulating means. 2,387,327; Oct. 23.

Holt, William H., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Plasticizers and plasticized compositions. 2,387,662; Oct. 23.

Hoover Company, The: See—

Gerber, D. C., and Osborn, assignors.

Gross, Alfred G., assignor.

Horowitz, Henry L., et al.: See—

Horowitz, Nathan, assignor.

Horowitz, Nathan, Brooklyn, assignor of twenty-five per cent to H. L. Horowitz, Bronx, and twenty-five per cent to P. Fleischer, New York, and twenty-five per cent to A. Smolovit, Brooklyn, N. Y. Animal trap. 2,387,328; Oct. 23.

Hosbein, Louis H., Glencoe, Ill., and L. Ellman, Pittsburgh, Pa., assignors to M. H. Detrick Company, Chicago, Ill. Furnace arch or roof construction. 2,387,663; Oct. 23.

Hose, Robert H., Mountsideside, and E. W. Niles, Bloomfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Card and picture frame. 2,387,584; Oct. 23.

Houdaille-Hershey Corporation: See—

Sebok, Joseph B., assignor.

Houdry, Eugene J., Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Operation of catalytic plants. 2,387,267; Oct. 23.

Houdry Process Corporation: See—

Houdry, Eugene J., assignor.

Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation Limited, Quincy, Mass. Packaging machine. 2,387,585; Oct. 23.

Hruska, Howard E., South Bend, and A. B. Sibert, Rising Sun, Ind. Hydraulic transmission. 2,387,398; Oct. 23.

Huber, Edgar: See—

Klein, C. F., and Huber.

Hughes, Frank C.: See—

Boughton, W. A., Mansfield, and Hughes.

Humphreys, Marion W., Euclid, Ohio. Toasting device. 2,387,586; Oct. 23.

Hunslecker, Heinz, Cologne-Braunsfeld, Germany; vested in the Alien Property Custodian. Manufacturing cyclopentanone derivatives. 2,387,587; Oct. 23.

Huston, William M., and C. E. Jones, Lima, Ohio. Crawler drive mechanism. 2,387,268; Oct. 23.

Hygela Nursing Bottle Company, Inc.: See—

Ganson, Howard H., assignor.

Independent Pneumatic Tool Company: See—

Kaman, Frank A., assignor.

Insee, Heber C., East Orange, N. J., assignor, by mesne assignments, to Rockrite Processes, Inc., Stamford, Conn. Reducing mill. 2,387,515; Oct. 23.

Interchemical Corporation: See—

Phill, David B., assignor.

Irwin Machinery Company: See—

Herz, Cornelius M., assignor.

Jacobs, Arthur C., Chicago, Ill. Container with handle. 2,387,329; Oct. 23.

Jasco, Incorporated: See—

Daly, William J., assignor.

Kraus, Charles A., assignor.

Lightbown, I. E., and Sparks, assignors.

Thomas, R. M., and Nelson, assignors.

Jasse, Raymond J., Vichy, France; vested in the Alien Property Custodian. Synchronizing means for electric motors. 2,387,588; Oct. 23.

Johnson, Carl W.: See—

Neumaier, J. A., and Johnson.

Johnson, Clarence W., and J. G. Sterling, Chicago, and M. H. and E. T. Wright, Lake Bluff, Ill., assignors to Stenographic Machines, Inc. Ribbon feeding mechanism for stenographic machines. 2,387,330; Oct. 23.

Johnson, Kenneth S., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,387,269; Oct. 23.

Johnson, William B., U. S. Army, Easley, S. C. Container. 2,387,270; Oct. 23.

Joiner, Sylvester L., Sweetwater, Tex. Combined closure and air hose dunny. 2,387,448; Oct. 23.

Jones, Cecil E.: See—

Huston, W. M., and Jones.

Jones, Clarence R.: See—

Orme, G. L., Jones, and Fletcher.

Jones, Robert M., Biddeford, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Weighing mechanism for spinning and roving frames. 2,387,703; Oct. 23.

Jorgensen, Bernhard, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,387,331; Oct. 23.

Julyan, Fred G., Euclid, Ohio, assignor to Pocahontas Fuel Company Incorporated, New York, N. Y. Bin feed mechanism. 2,387,399; Oct. 23.

Julyan, Fred G., Euclid, Ohio, assignor to Pocahontas Fuel Company Incorporated, New York, N. Y. Stoker gas back. 2,387,400; Oct. 23.

Kaman, Frank A., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Squeeze riveter. 2,387,449; Oct. 23.

Kaminski, John, Altadena, Calif. Radiant heating apparatus. 2,387,516; Oct. 23.

Kaufmann, Werner: See—

Kesselring, F., Gleffers, and Kaufmann.

Kelco Company: See—

Cate, Paul H., assignor.

Kendall Company, The: See—

Reed, Raymond E., assignor.

Kennan, Francis J.: See—

Gogglin, David E., assignor.

Kerber, Joseph H.: See—

Drott, E. A., and Kerber.

Kerr, Thomas J.: See—

Hedges, W. D., Lowman, and Kerr.

Kesselring, Fritz, Berlin-Frohnauf, F. Gleffers, Berlin-Charlottenburg, and W. Kaufmann, Berlin-Siemensstadt, Germany; vested in the Alien Property Custodian. Circuit breaker. 2,387,589; Oct. 23.

Keystone View Company: See—

Hamilton, George E., assignor.

Kinetic Chemicals, Inc.: See—

Downing, F. B., Benning, and McHarness, assignors.

King, Samuel E., Torrance, Calif. Hand tool for making strips from sheet material. 2,387,450; Oct. 23.

Kittler, Milton J., and R. L. Ensinger, assignors to G. M. and E. Holley, Detroit, Mich. Accelerating device. 2,387,271; Oct. 23.

Klein, Clarence F., and E. Huber, assignors to Frankenberg Bros., Inc., Columbus, Ohio. Forming cardboard boxes. 2,387,272; Oct. 23.

Koenig, Herold L., Maple Heights, W. C. Billheimer, Euclid, and H. T. Havlick, Ericsside, assignors to Willard Storage Battery Company, Cleveland, Ohio. Post seal for battery containers. 2,387,590; Oct. 23.

Kolb, Emile, La Plaine Saint-Denis, France; vested in the Alien Property Custodian. Quinoline salts as insecticides. 2,387,591; Oct. 23.

Kraft Cheese Company: See—

Link, Oscar J., assignor.

Kraus, Charles A., Providence, R. I., assignor, by mesne assignments, to Jasco, Incorporated. Copolymerization. 2,387,517; Oct. 23.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Coating apparatus. 2,387,273; Oct. 23.

Krupnick, Sydney R.: See—

Luth, H. J., and Krupnick.

Kubista, Charles L., Owatonna, Minn. Fount for poultry and other domestic animals. 2,387,664; Oct. 23.

Kuffer, Johannes, Berlin, Germany; vested in the Alien Property Custodian. Film scanning device. 2,387,592; Oct. 23.

Kuntz, Frank A., Allentown, Pa. Cantilever seat. 2,387,451; Oct. 23.

Kunz, John, assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Inker mechanism. 2,387,332; Oct. 23.

Kuzinski, Adolph W., Passaic, N. J. Tentering machine speed control. 2,387,333; Oct. 23.

Lamont, Robert W.: See—

Patch, Allen J., assignor.

Landis Machine Company: See—

Reimischel, C. A., and Davies, assignors.

Langkammerer, Carl M., Wilmington, Del., assignor to Remington Arms Company, Inc. Shot shell closure. 2,387,665; Oct. 23.

Lawrence, A. C., Leather Company: *See*—

Griffin, R. L., and Moore, assignors.

Lawrence, Howard C., Jr., Haddonfield, N. J., assignor to Radio Corporation of America. Radio receiver. 2,387,666; Oct. 23.

Lee, Harry E., Oswego, assignor to St. Regis Paper Company, New York, N. Y. Method of and apparatus for producing valved or sleeved bags. 2,387,274; Oct. 23.

Leibfritz, William F., Villa Park, Ill., assignor to H. Quest and J. H. McAlvin. Manifolding flat pack. 2,387,667; Oct. 23.

Lemke, Charles B., Chicago, Ill. Heel lift. 2,387,334; Oct. 23.

Leonard, William E., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Rubber adherent wire. 2,387,335; Oct. 23.

Lesser, Otto, Berlin, Germany; vested in the Alien Property Custodian. Adhesive unit. 2,387,593; Oct. 23.

Letvin, Samuel: *See*—

Bonvillian, C. A., Brierly, and Letvin.

Leuck, Gerald J., Evanston, Ill., assignor to Corn Products Refining Company, New York, N. Y. Polymerization of sugars. 2,387,275; Oct. 23.

Le Vesconte, Harold J.: *See*—

Eggert, R. E., and Le Vesconte.

Lightbown, Irving E., Roselle, and W. J. Sparks, Elizabeth, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Stabilized polymer compositions. 2,387,518; Oct. 23.

Lillard, James G., Baytown, and R. F. Pfennig, Goose Creek, Tex., assignors to Standard Oil Development Company. Recovery of sulphuric acid from acid sludge. 2,387,519; Oct. 23.

Lincoln Engineering Company: *See*—

Rotter, Lutwin C., assignor.

Lindabury, Tryon S., University City, Mo., assignor to Curtiss-Wright Corporation. Fair-leader. 2,387,520; Oct. 23.

Link, Oscar J., Beaver Dam, Wis., assignor to Kraft Cheese Company. Cream cheese manufacture. 2,387,276; Oct. 23.

Littler, Clarence A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pest control. 2,387,336; Oct. 23.

Lockheed Aircraft Corporation: *See*—

Tiffany, Frank E., assignor.

Loepsinger, Albert J., assignor to Grinnell Corporation, Providence, R. I. Control apparatus. 2,387,668; Oct. 23.

Longenecker, Levi S., Mount Lebanon, Pa. Furnace door. 2,387,594; Oct. 23.

Loomis, Crawford C., Iliou, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Firearm. 2,387,669; Oct. 23.

L'Orange Prosper, Stuttgart-Feuerbach, Germany; vested in the Alien Property Custodian. Regulation of the combustible mixture for internal-combustion engines. 2,387,277; Oct. 23.

Lord Baltimore Press, The: *See*—

Bouchelle, William T., assignor.

Lotter, Adolph G., assignor to Stationers Loose Leaf Company, Milwaukee, Wis. Loose-leaf binder construction. 2,387,337; Oct. 23.

Lowman, John C.: *See*—

Hedges, W. D., Lowman, and Kerr.

Lowther, Wilfred W., Minneapolis, Minn. Oil washed air cleaner. 2,387,278; Oct. 23.

Luck, David G. C., Hightstown, N. J., assignor to Radio Corporation of America. Radio direction finder. 2,387,670; Oct. 23.

Lundal, Ingie J., Maywood, and C. F. Weinreich, Des Plaines, Ill., assignors to Cherry-Burrell Corporation, Wilmington, Del. Packaging apparatus. 2,387,452; Oct. 23.

Lundstrom, Alexis A., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alternating current signal receiver. 2,387,671; Oct. 23.

Luth, Harold J., and S. R. Krupnick, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Method and apparatus for drying lumber. 2,387,595; Oct. 23.

Macdonald, Alexander D., Newton, assignor to B. B. Chemical Co., Boston, Mass. Compositions of polymerized chloroprene. 2,387,338; Oct. 23.

Magnesium Elektron Limited: *See*—

Bushrod, C. J., assignor.

MacGulre, William E., and K. J. Dodge, Louisville, Ky., assignors, by mesne assignments, to F. B. Yingling, Hamilton, Ohio. Self-oiling burnishing tool. 2,387,453; Oct. 23.

Mansfield, William R.: *See*—

Boughton, W. A., Mansfield, and Hughes assignors.

Marco, Salvatore M., assignor to The Ohio State University Research Foundation, Columbus, Ohio. Variable speed transmission. 2,387,401; Oct. 23.

Marisic, Milton M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Conducting catalytic reactions. 2,387,454; Oct. 23.

Marisic, Milton M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Catalytic conversion of hydrocarbons and catalyst therefor. 2,387,596; Oct. 23.

Martin, Charles L., Overland, assignor to Carter Carburetor Corporation, St. Louis, Mo. Snap action device. 2,387,402; Oct. 23.

Martin, George D., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Making thermoplastic compositions and products obtained thereby. 2,387,521; Oct. 23.

Maurer, Frank W., Newton Highlands, Mass. Goggle. 2,387,522; Oct. 23.

Maxam, Allen B.: *See*—

Henry, W. C., and Maxam.

Mayberry, Muri D., Golden, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Machine for distributing and orienting bullets. 2,387,672; Oct. 23.

McAlvin, James H., et al.: *See*—

Leibfritz, William F., assignor.

McCormick, George, Redwood City, and B. M. Brown, Palo Alto, Calif. Fire door frame. 2,387,523; Oct. 23.

McCracken, John H., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Diesel fuel. 2,387,279; Oct. 23.

McCracken, John H., and E. M. Nygaard, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Diesel fuel. 2,387,403; Oct. 23.

McCullough, Frank, and E. Gray, Fort Smith, Ark. Machine for reshaping bottle caps. 2,387,673; Oct. 23.

McDermott, Bernard A., Akron, assignor to The Sun Rubber Company, Barberton, Ohio. Inflating valve for hollow articles. 2,387,455; Oct. 23.

McDonald, Joseph S., and W. E. A. Ruska, Houston, Tex. Controlling device for well tools. 2,387,456; Oct. 23.

McHarness, Robert C.: *See*—

Downing, F. B., Benning, and McHarness.

Mellvalne Burner Corporation: *See*—

Mellvalne, John H., assignor.

Mellvalne, John H., Philadelphia, Pa., assignor to Mellvalne Burner Corporation, Chicago, Ill. Oil burner and regulator therefor. 2,387,280; Oct. 23.

Mellwrick, James, and O. Desjardins, Hamilton, Ontario, Canada. Charging bucket for electric furnaces and the like. 2,387,457; Oct. 23.

Melntyre, James D., Crystal River, Fla. Cleat turner and grading table. 2,387,674; Oct. 23.

McLachlan, Dan, Jr., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Medical x-ray radiography for locating embedded materials. 2,387,597; Oct. 23.

McLachlan, Dan, Jr., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. X-ray radiography of inclusions. 2,387,704; Oct. 23.

Melnert, Richard N., Westfield, N. J., assignor to Standard Oil Development Company. Dehydrogenation process. 2,387,524; Oct. 23.

Mercier, Jean, New York, N. Y. Oleopneumatic storage device. 2,387,598; Oct. 23.

Meyer, George J., Milwaukee, Wis. Chuck. 2,387,339; Oct. 23.

Mica Patents Trust et al., trustees: *See*—

Boughton, W. A., Mansfield, and Hughes, assignors.

Miles Laboratories, Inc.: *See*—

Compton, W. A., and Treneer, assignors.

Miller, Cecil, and G. W. Tipple, Pomona, Calif. Swivel. 2,387,599; Oct. 23.

Miller, E. L.: *See*—

Walther, G., and Miller.

Miller Printing Machinery Co.: *See*—

Kunz, John, assignor.

Minerals Beneficiation, Incorporated: *See*—

Grove, David B., assignor.

Minneapolis-Honeywell Regulator Company: *See*—

Newton, Alvin B., assignor.

Mojonnier Bros. Co.: *See*—

Mojonnier, Julius J., assignor.

Mojonnier, Julius J., Winfield, Ill., assignor to Mojonnier Bros. Co. Method of and apparatus for dehydrating substances. 2,387,458; Oct. 23.

Monroe Calculating Machine Company: *See*—

Crosman, Loring P., assignor.

Monsanto Chemical Company: *See*—

Downey, Paul M., assignor.

Martin, George D., assignor.

Moore, Norman Y.: *See*—

Griffin, R. L., and Moore.

Moore, William L.: *See*—

Powell, D. R., and Moore, assignors.

Moorefield, Albert C., Hawthorne, Calif. Guiding means for grinding drills. 2,387,459; Oct. 23.

Moriarty, Mary A., Naugatuck, Conn. Humidified flower-pot or container. 2,387,340; Oct. 23.

Morton, Eldred O., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Steam iron. 2,387,281; Oct. 23.

Mosshart, Donald J., Ardmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combustion apparatus. 2,387,600; Oct. 23.

Moyer, Elmo E., Scotia, N. Y., assignor to General Electric Company. Electric control system. 2,387,601; Oct. 23.

Moyer, Howard W., Warren, Ohio. Four-place slide rule. 2,387,404; Oct. 23.

Mudren, William T., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Thrust bearing and mounting therefor. 2,387,602; Oct. 23.

Murray, Lawrence J., assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Telephone or like system. 2,387,525; Oct. 23.

Myers, Joseph W., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Electrical cooking apparatus. 2,387,460; Oct. 23.

Myers, Joseph W., and S. J. Roesch, assignors to Proctor & Schwartz, Inc., Philadelphia, Pa. Electrical cooking unit. 2,387,461; Oct. 23.

Nagamatsu, Henry T., Cheektowaga, N. Y., assignor to Curtiss-Wright Corporation. Airplane. 2,387,526; Oct. 23.

Nagamatsu, Henry T., Cheektowaga, N. Y., assignor to Curtiss-Wright Corporation. Cargo airplane. 2,387,527; Oct. 23.

National Acme Company, The: *See*—

Powell, D. R., and Moore, assignors.

National Automotive Fibres, Inc.: *See*—

Davies, Clarence J., assignor.

National Broach & Machine Company: *See*—

Prigge, Walter S., assignor.

National Cylinder Gas Company: *See*—

Bottoms, R. R., and Bowden, assignors.

National Tube Company: *See*—

Gruber, I. B., and Zemberry, assignors.

Neilson, Mary D., Minneapolis, Minn. Garment of the slacks type. 2,387,405; Oct. 23.

Nelson, Joseph F.: *See*—

Thomas, R. M., and Nelson.

Neugebauer, Franz, Munich-Allach, and L. Wagensell, Munich-Obermenzing, Germany; vested in the Alien Property Custodian. Free piston motor compressor. 2,387,603; Oct. 23.

Neumair, Joseph A., Hollis, and C. W. Johnson, Brooklyn, N. Y., assignors to American Machine & Foundry Company. Tie sewing machine. 2,387,282; Oct. 23.

Newman, L., and Sons, Inc.: *See*—

Stuart, Henry J., assignor.

Newton, Alvin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic control system. 2,387,604; Oct. 23.

New Wrinkle, Inc.: *See*—

Waldie, William A., assignor.

Nickum, William F.: *See*—

Gardner, E. W., and Nickum.

Niles, Elliot W.: *See*—

Hose, R. H., and Niles.

Nonn, Arthur W.: *See*—

Reed, A. D., and Nonn.

Nordholm, Karl Sixten Jons, V. Bodarne, assignor to Aktiebolaget Svenska Carbidkontoret, Gothenburg, Sweden. Acetylene generator. 2,387,462; Oct. 23.

Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope fastener machine. 2,387,605; Oct. 23.

Nygaard, Edwin M.: *See*—

McCracken, J. H., and Nygaard.

Oakley, John, Springfield, assignor to Perkins Machine and Gear Company, West Springfield, Mass. Washing machine drive. 2,387,283; Oct. 23.

Ogilvie, James, Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Bromination of 2,6-nitro chlor toluene. 2,387,341; Oct. 23.

Ohio State University Research Foundation, The: *See*—

Marco, Salvatore M., assignor.

Ohlmann, Edward O., Ann Arbor, assignor to The Dow Chemical Company, Midland, Mich. Inhibitor for carbon tetrachloride. 2,387,284; Oct. 23.

Oliver, Herbert F., West Springfield, assignor to The F. W. Sickles Company, Chicopee, Mass. Flexible coupling. 2,387,705; Oct. 23.

Olsen, Anders C., Forest Hills, N. Y. Plaster partition construction. 2,387,342; Oct. 23.

Olsen, Oscar E.: *See*—

Acken, M. F., and Olsen.

Orefraction Incorporated: *See*—

Wiegand, Edwin L., assignor.

Orme, Grant L., C. R. Jones, and A. L. Fletcher, Eugene, Ore. Rigging hook. 2,387,675; Oct. 23.

Ornstein, George, New York, N. Y. Apparatus for applying treating mediums. 2,387,406; Oct. 23.

Osborn, Ralph C.: *See*—

Gerber, D. C., and Osborn.

Osborne, Fred H.: *See*—

Hayslett, L. E., and Osborne.

Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Cutter chain. 2,387,285; Oct. 23.

Otto, Ferdinand P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Sulphurized carbanol ethers. 2,387,286; Oct. 23.

Overson, Reed: *See*—

Holcomb, C. S., and Overson.

Packard Motor Car Company: *See*—

Paton, Clyde R., assignor.

Pall, David B., assignor to Interchemical Corporation, New York, N. Y. Producing sodium cyanide. 2,387,287; Oct. 23.

Pagendarm, John F., Oakland, Calif. Tool grinding machine. 2,387,463; Oct. 23.

Palmgren, Charles A., Chicago, Ill. Welding electrode holder. 2,387,464; Oct. 23.

Panish, Erwin J., Bridgeport, Conn. Clutch control. 2,387,343; Oct. 23.

Panitch, William: *See*—

Seegar, F. T., and Panitch.

Parker, Humphrey F., Kenmore, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Joiner link. 2,387,606; Oct. 23.

Pascoe, Alex, New York, N. Y. Bookmark. 2,387,607; Oct. 23.

Patch, Allen J., Ripon, Wis., assignor to R. W. Lamont. Domestic laundry unit. 2,387,407; Oct. 23.

Paton, Clyde R., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 2,387,344; Oct. 23.

Patterson, Gordon D., Wilmington, Del., and C. K. Sloan, Thornton, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Basic alkaline earth chromite-chromate pigment and making. 2,387,528; Oct. 23.

Patterson, Henry R.: *See*—

Clark, R., and Patterson.

Paulsen, Hans C., Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for reinforcing insoles. 2,387,288; Oct. 23.

Paumier, André P., Sceaux, France; vested in the Alien Property Custodian. Electronic scanning device for television. 2,387,608; Oct. 23.

Pavan, Osvaldo: *See*—

Antonelli, J., and Pavan.

Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread separating thread holder. 2,387,289; Oct. 23.

Pearl, William A., Chicago, assignor to Whiting Corporation, Harvey, Ill. Apparatus for washing stack gases. 2,387,345; Oct. 23.

Pearsall, David E., Avon, assignor to The Ensign-Bickford Company, Simsbury, Conn. Modification of mineral wax-type compositions. 2,387,529; Oct. 23.

Peltier, Frank D., Horsham, assignor to Philco Corporation, Philadelphia, Pa. Evaporator-condenser construction. 2,387,465; Oct. 23.

Pennington, Gordon R., Bloomfield Hills, assignor to Chrysler Corporation, Highland Park, Mich. Clutch control. 2,387,346; Oct. 23.

Perkins Machine and Gear Company: *See*—

Oakley, John, assignor.

Pertuit, Hector V., New Orleans, La. Grapple. 2,387,408; Oct. 23.

Petrolite Corporation, Ltd.: *See*—

Eddy, H. C., assignor.

Pfennig, Reuben F.: *See*—

Lillard, J. G., and Pfennig.

Phico Corporation: *See*—

Peltier, Frank D., assignor.

Phillips, Bernard C., assignor to The Tillotson Manufacturing Company, Toledo, Ohio. Carburetor. 2,387,676; Oct. 23.

Phillips Petroleum Company: *See*—

Arnold, Philip M., assignor.

Drennan, Harry E., assignor.

Wolk, I. L., assignor.

Pidgeon, Lloyd M., Rockcliffe Park, Ontario, assignor, by mesne assignments to Dominion Magnesium Limited, Toronto, Ontario, Canada. Apparatus for producing magnesium. 2,387,677; Oct. 23.

Pierson, Ralph C., Indianapolis, Ind., assignor to Union Carbide and Carbon Corporation. Acetylene generator valve mechanism. 2,387,347; Oct. 23.

Place, Charles L., New Milford, assignor to The Torrington Manufacturing Co., Torrington, Conn. Centrifugal displacement apparatus. 2,387,348; Oct. 23.

Pneumatic Scale Corporation: *See*—

Howard, Stanley R., assignor.

Pocahontas Fuel Company Incorporated: *See*—

Julyan, Fred G., assignor.

Powell, David R., and W. L. Moore, assignors to The National Acme Company, Cleveland, Ohio. Die head operating means. 2,387,290; Oct. 23.

Powell, David R., and W. L. Moore, assignors to The National Acme Company, Cleveland, Ohio. Chaser adjusting means. 2,387,291; Oct. 23.

Powell, Raymond E., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Recording system. 2,387,678; Oct. 23.

Powers, Frank T., Glen Cove, N. Y. Apparatus for preparing photoengraving plates. 2,387,349; Oct. 23.

Praeg, Walter S., assignor to National Broach & Machine Company, Detroit, Mich. Gear shaving machine. 2,387,679; Oct. 23.

Pratt, Best, assignor to Brake Equipment & Supply Company, Chicago, Ill. Burner structure. 2,387,680; Oct. 23.

Preston, John E., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Cincinnati, Ohio. Electronic control for ironing or drying machinery. 2,387,292; Oct. 23.

Preston, John E., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Cincinnati, Ohio. Electronic control for ironing or drying machinery. 2,387,293; Oct. 23.

LIST OF PATENTEEES

Prichard, William W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymer treatment. 2,387,530; Oct. 23.
 Proctor & Schwartz, Inc.: See—
 Myers, Joseph W., assignor.
 Myers, J. W., and Roesch, assignors.
 Quest, Harold, et al.: See—
 Leibfritz, William F., assignor.
 Quilter, John R. C., Woking, England. Parachute pack. 2,387,350; Oct. 23.
 Quinn, Edward, Saugus, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for fastening uppers to insoles. 2,387,351; Oct. 23.
 Radick, Curtis L., New Berlin, Wis. Boat hitch. 2,387,352; Oct. 23.
 Radio Corporation of America: See—
 Lawrence, Howard C., Jr., assignor.
 Luck, David G. C., assignor.
 Simpson, William E., assignor.
 Sonthimer, C. G., assignor.
 Usselman, George L., assignor.
 Rath, Karl, New York, N. Y. Photoelectric exposure control. 2,387,466; Oct. 23.
 Ray, William A., Los Angeles, Calif. Mounting means for electrical parts. 2,387,409; Oct. 23.
 Raymond, Gwynne, Oklahoma City, Okla. Safety device for pressure vessels. 2,387,353; Oct. 23.
 Reed, Arthur D., and A. W. Nonn, Jackson, Mich. All purpose garment hanger. 2,387,681; Oct. 23.
 Reed, Raymond E., St. Paul, Minn., assignor to The Kendall Company, Walpole, Mass. Textile fabric. 2,387,354; Oct. 23.
 Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ohio. Variable-speed unit. 2,387,609; Oct. 23.
 Reeves Pulley Company: See—
 Reeves, Paul B., assignor.
 Rehfeld, George W., Manhattan, Kans. Jetty structure. 2,387,355; Oct. 23.
 Reichstein, Tadeus, Basel, Switzerland. Compounds of the cyclopentanopolymethylenanthrene series and mak-same. 2,387,706; Oct. 23.
 Reimschuessel, Charles A., and H. Davies, assignors to Landis Machine Company, Waynesboro, Pa. Thread-cutting mechanism. 2,387,294; Oct. 23.
 Reiter, Harry E., Sandusky, Ohio. Internal-combustion engine. 2,387,467; Oct. 23.
 Remington Arms Company, Inc.: See—
 Birdsall, Edwin H., assignor.
 Cook, Judson A., assignor.
 Gardner, E. W., and Niekum, assignors.
 Holcomb, C. S., and Overson, assignors.
 Langkammerer, Carl M., assignor.
 Loomis, Crawford C., assignor.
 Mayberry, Muri D., assignor.
 Yost, Kenneth J., assignor.
 Richey, James G., Alhambra, Calif. Rotary jar and safety joint. 2,387,682; Oct. 23.
 Richter, Herman W., Bridgewater, and H. R. Gillette, Newton Highlands, Mass., assignors to Federal Electric Company, Inc., Chicago, Ill. Production of resinous felt fibrous composition. 2,387,683; Oct. 23.
 Ritzel, Willis J., Pasadena, Calif. Fastener. 2,387,468; Oct. 23.
 Roach, Edmund J., and E. F. Cooke, Jr., Beaumont, Tex. Well control head. 2,387,610; Oct. 23.
 Robertson, Archibald, North Hollywood, Calif., assignor to Adel Precision Products Corp., Cushion for conduit and wire supporting clips. 2,387,295; Oct. 23.
 Robison, Floyd L., Fort Smith, Ark. Refrigerator. 2,387,356; Oct. 23.
 Rochwald, George W., Kearny, N. J. Abrading wheel. 2,387,296; Oct. 23.
 Rochwald, George W., Kearny, N. J. Abrading wheel. 2,387,297; Oct. 23.
 Rochwald, George W., Kearny, N. J. Abrading wheel. 2,387,298; Oct. 23.
 Rockrite Processes, Inc.: See—
 Inslee, Heber C., assignor.
 Roe, Chester M., Hasbrouck Heights, N. J. Pipe coupling. 2,387,410; Oct. 23.
 Roehm, Richard: See—
 Fikentscher, H., and Roehm.
 Roesch, Stephen J.: See—
 Myers, J. W., and Roesch.
 Rogers, Karl E., Niagara Falls, N. Y. Cord clamp. 2,387,611; Oct. 23.
 Rogerson, Brooks E., Chagrin Falls, Ohio. Back rest for beds. 2,387,357; Oct. 23.
 Ronci, Fernando M., Providence, R. I. Immersing and centrifuging unit. 2,387,299; Oct. 23.
 Ronci, Fernando M., Providence, R. I. Means for mounting work in casings for dipping and centrifuging. 2,387,300; Oct. 23.
 Rose, Howard E., Normandy, Mo., assignor to Curtiss-Wright Corporation. Automatic pump selector valve. 2,387,531; Oct. 23.
 Rosemanith, Wolfgang, Solothurn, Switzerland; vested in the Allen Property Custodian. High-speed planer. 2,387,612; Oct. 23.
 Rotter, Lutwin C., Maplewood, assignor to Lincoln Engineering Company, St. Louis, Mo. Pump mechanism. 2,387,684; Oct. 23.

Rouse, William H., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for motor-driven printing presses and other machines. 2,387,358; Oct. 23.
 Ruska, Walter E. A.: See—
 McDonald, J. S., and Ruska.
 Ruzicka, Leopold, Zurich, and A. Wettstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products Incorporated, Summit, N. J. Derivatives of saturated and unsaturated androstane-diols-(3:17). 2,387,469; Oct. 23.
 Ryba, Anton, Bolzano, Italy; vested in the Allen Property Custodian. Electromagnetic multiple-disk clutch. 2,387,613; Oct. 23.
 Saco-Lowell Shops: See—
 Jones, Robert M., assignor.
 St. Regis Paper Company: See—
 Lee, Harry E., assignor.
 Sanders, Robert W., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Voltage generator. 2,387,685; Oct. 23.
 Sanford, Hugh W., Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del. Wheel and axle packing. 2,387,301; Oct. 23.
 Sanford Investment Company, The: See—
 Sanford, Hugh W., assignor.
 Santon, Elliot A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread guide for thread holders. 2,387,302; Oct. 23.
 Savage, Robert H., Scotia, N. Y., assignor to General Electric Company. Electrical contact element. 2,387,614; Oct. 23.
 Scarry, Earl J., Denver, Colo. Soap dispenser. 2,387,359; Oct. 23.
 Schäfer, Josef, Dortmund, Germany; vested in the Allen Property Custodian. Coke oven. 2,387,615; Oct. 23.
 Schenk, Everett M., New Providence, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Machine control. 2,387,532; Oct. 23.
 Schmidt, Benjamin F., Los Angeles, Calif. Nibbler attachment for power machines. 2,387,411; Oct. 23.
 Schmidt, Gerhard, Berlin, Germany; vested in the Allen Property Custodian. Self-interrupter. 2,387,616; Oct. 23.
 Schmidt, Willi, and K. Seydel, Ludwigshafen-on-the-Rhine, Germany; vested in the Allen Property Custodian. Production of cyclic oxygen compounds. 2,387,617; Oct. 23.
 Schmucker, Earl T., Rapid City, S. Dak. Torque controlled electric motor. 2,387,533; Oct. 23.
 Schnable, Albert E., Ocean Grove, N. J. Tool head or the like. 2,387,412; Oct. 23.
 Schüller, Hugo, and H. Grüttnert, Chemnitz, and E. Dronigke, Sommerda, Germany; vested in the Allen Property Custodian. Calculating typewriter. 2,387,618; Oct. 23.
 Scott and Williams, Incorporated: See—
 Getz, James L., assignor.
 Sebok, Joseph B., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Crankcase air cleaner assembly. 2,387,303; Oct. 23.
 Seegar, Fred T., and W. Panitch, Chicago, Ill. Dispensing machine. 2,387,470; Oct. 23.
 Seidel, George R., Baltimore, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of improved titanium pigments. 2,387,534; Oct. 23.
 Seidel, J., Oybln near Zittau, and H. Weber, Grottau, Sudetenland, Germany; vested in the Allen Property Custodian. Production of synthetic tanning material. 2,387,619; Oct. 23.
 Selas Corporation of America: See—
 Hess, Frederic O., assignor.
 Self-Locking Carton Co.: See—
 Cox, John W., assignor.
 Servel, Inc.: See—
 Stangle, William H., assignor.
 Sewell, Samuel D., Wanette, Okla. Feeder head for hay balers. 2,387,535; Oct. 23.
 Shaffnit, Edgar A., Otsego, Mich. Bolt actuating mechanism for bolt action firearms. 2,387,413; Oct. 23.
 Shaks, William P., Woodside, N. Y. Quenching device. 2,387,414; Oct. 23.
 Shank, Rose D., Newark, N. J. Fabric. 2,387,620; Oct. 23.
 Shaw, Joe C.: See—
 Young, F. M., Shaw, and Brinen.
 Shean, Daniel, and F. F. Zendeck, West Springfield, Mass. Snow plow apparatus. 2,387,686; Oct. 23.
 Sheffield, Donald H., assignor to Hercules Powder Company, Wilmington, Del. Stabilization of terpene products. 2,387,304; Oct. 23.
 Sibert, Alfred B.: See—
 Hruska, H. E., and Sibert.
 Sibert, Alfred B., Rochester Township, Fulton County, Ind. Fluid transmission. 2,387,415; Oct. 23.
 Sickles, F. W., Company, The: See—
 Oliver, Herbert F., assignor.
 Silcox Company, The: See—
 Wolcott, Frank E., assignor.
 Simpson, Cleveland, Winston-Salem, N. C. Film clip. 2,387,471; Oct. 23.

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Simpson, William E., South Ozone Park, N. Y., assignor to Radio Corporation of America. Relay control circuit. 2,387,536; Oct. 23.
 Sloan, Clifford K.: See—
 Patterson, G. D., and Sloan.
 Smith, Elmer H., Minneapolis, Minn. Closure for pressure vessels. 2,387,360; Oct. 23.
 Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Fatty amine salts of alkyl phosphoric acids. 2,387,537; Oct. 23.
 Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Di-cyclohexyl amine salt of alkyl phosphoric acid. 2,387,538; Oct. 23.
 Smith, H. P., Paper Company: See—
 Coffey, Elmer W., assignor.
 Smith, Stanley, Bend, Oreg. Truck self-loader attachment. 2,387,687; Oct. 23.
 Smith, F. L., Machine Co., Inc.: See—
 Novick, Abraham, assignor.
 Smolovitz, Alfred, et al.: See—
 Horowitz, Nathan, assignor.
 Socony-Vacuum Oil Company, Incorporated: See—
 Marlic, Milton M., assignor.
 McCracken, John H., assignor.
 McCracken, J. H., and Nygaard, assignors.
 Otto, Ferdinand P., assignor.
 Sonoco Products Company: See—
 Dunlap, C. K., and Stogner, assignors.
 Sonthimer, Carl G., Haddonfield, N. J., assignor to Radio Corporation of America. Square-law detector. 2,387,472; Oct. 23.
 Spahr, William F., New Orleans, La. Body roller. 2,387,688; Oct. 23.
 Spaul, Abraham N., New York, N. Y. Flexible collapsible fluid bladder. 2,387,539; Oct. 23.
 Sparks, William J.: See—
 Lightbown, I. E., and Sparks.
 Sperry Gyroscope Company, Inc.: See—
 Wilson, Elwood J., Jr., assignor.
 Spitzka, Bruno J., assignor to Comfort Products Corporation, Harvey, Ill. Air conditioning. 2,387,473; Oct. 23.
 Spokus, Albin J., Seattle, Wash. Flower holder. 2,387,474; Oct. 23.
 Sponder, Charles F., Philadelphia, Pa. Shock absorbing device. 2,387,689; Oct. 23.
 Standard Catalytic Company: See—
 Holmes, August, assignor.
 Standard Oil Company: See—
 Gaynor, J. W., White, and Watson, assignors.
 Standard Oil Development Company: See—
 Hocott, Claude K., assignor.
 Lillard, J. G., and Pfennig, assignors.
 Melner, Richard N., assignor.
 Sweeney, William J., assignor.
 Standard Railway Equipment Manufacturing Company: See—
 Bonsall, Charles D., assignor.
 Standish, John F., Winthrop, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Clearing mechanism for the work-supports of fastening-inerting machines. 2,387,305; Oct. 23.
 Stangle, William H., deceased, Evansville, Ind., by Citizens Trust & Savings Bank of Evansville, Ind., administrator, assignor to Servel, Inc., New York, N. Y. Rotatable broiling apparatus. 2,387,621; Oct. 23.
 Stapleton, Theon O., Hibbing, Minn. Sampling device. 2,387,306; Oct. 23.
 Stationers Loose Leaf Company: See—
 Lotter, Adolph G., assignor.
 Stelzel, Roderick W., East Orange, assignor to Bendix Aviation Corporation, Bendix, N. J. Fuel injection. 2,387,690; Oct. 23.
 Stenographic Machines, Inc.: See—
 Johnson, C. W., Sterling, and M. H. and R. T. Wright, assignors.
 Stephenson, Eugene A., assignor to The University of Kansas Research Foundation, Lawrence, Kans. Treating oil wells. 2,387,361; Oct. 23.
 Sterling, John G.: See—
 Johnson, C. W., Sterling, and M. H. and R. T. Wright, assignors.
 Stewart, James W., Donora, Pa., assignor to The American Steel & Wire Company of New Jersey. Ingot mold sprayer. 2,387,362; Oct. 23.
 Stogner, Lawrence B.: See—
 Dunlap, C. K., and Stogner.
 Stokoe, Edna B., Los Angeles, Calif. Ornament. 2,387,475; Oct. 23.
 Stone, Albert R., Belair, Md. Self-locking hydraulic linkage. 2,387,307; Oct. 23.
 Stop-Motion Devices Corp.: See—
 Vossen, Edward, assignor.
 Stuart, Henry J., Milford, assignor to I. Newman & Sons, Inc., New Haven, Conn. Tape and method of reinforcing. 2,387,416; Oct. 23.
 Styll, Harry H., assignor to American Optical Company, Southbridge, Mass. Light polarizing body. 2,387,308; Oct. 23.

Sullivan Machinery Company: See—
 Osgood, C. F., assignor.
 Wineman, Wade H., assignor.
 Sun Rubber Company, The: See—
 Fenton, Frank, assignor.
 McDermott, Bernard A., assignor.
 Sunderland, Oswald O., Fairfield, Conn. Gun. 2,387,691; Oct. 23.
 Sundstrom, Harold C., Chicago, Ill. Applying tubular rivets. 2,387,692; Oct. 23.
 Sundt, Vigo von K., assignor to Gisholt Machine Company, Madison, Wis. Lead screw gear threading box. 2,387,417; Oct. 23.
 Sundt, Vigo von K., assignor to Gisholt Machine Company, Madison, Wis. Clutch adjustment. 2,387,418; Oct. 23.
 Swain, Frank E., Ewell, England. Fluid-pressure engine. 2,387,540; Oct. 23.
 Swanson, Edwin C.: See—
 Abramson, J. H., and Swanson, assignors.
 Swartzbaugh Manufacturing Company, The: See—
 Baunach, Roy J., assignor.
 Sweeney, William J., Summit, N. J., assignor to Standard Oil Development Company. Conversion of hydrocarbon oils. 2,387,309; Oct. 23.
 Sweeney, William J., Summit, N. J., assignor to Standard Oil Development Company. Carrying out isomerization reactions. 2,387,541; Oct. 23.
 Tanner, Elo C., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigeration apparatus. 2,387,622; Oct. 23.
 Taylor, Charles B., Buffalo, N. Y. Muffler. 2,387,476; Oct. 23.
 Taylor, Morris P., Stanford University, Calif. Freight handling apparatus on vehicle. 2,387,542; Oct. 23.
 Taylor, Taylor & Hobson Limited: See—
 Cox, Arthur, assignor.
 Tennessee Coal, Iron and Railroad Company: See—
 Auten, Claude I., assignor.
 Terry, Charles M., assignor to A. W. Cash Company, Decatur, Ill. Automatic valve mechanism. 2,387,363; Oct. 23.
 Terry, Charles M., assignor to A. W. Cash Company, Decatur, Ill. Automatic valve mechanism. 2,387,364; Oct. 23.
 Texas Company, The: See—
 Goldsby, Arthur R., assignor.
 Thexton, Arthur L., assignor to Clorox Corporation, Cincinnati, Ohio. Venetian blind. 2,387,419; Oct. 23.
 Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion. 2,387,477; Oct. 23.
 Thomas, Robert M., Union, and J. F. Nelson, Elizabeth, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Polymerization catalysts. 2,387,543; Oct. 23.
 Thomson, E. Craig, Boston, Mass. System of tubular electrodes. 2,387,365; Oct. 23.
 Tiffany, Frank E., Claremont, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Safety means for power-operated tools. 2,387,478; Oct. 23.
 Tillman, George, Kingsville, Tex. Sanitary sugar bowl and extractor. 2,387,623; Oct. 23.
 Tillotson Manufacturing Company, The: See—
 Phillips, Bernard C., assignor.
 Tipple, George W.: See—
 Miller, C., and Tipple, assignors.
 Todd, Floyd, Drexel Hill, Pa. Apparatus for the fractional condensation of mixed vapors. 2,387,479; Oct. 23.
 Torrington Manufacturing Co., The: See—
 Place, Charles I., assignor.
 Toussaint, Walter J., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Pyrolysis of pyran derivatives. 2,387,366; Oct. 23.
 Tracy, Atlee H., Sarasota, Fla. Suspension insulator. 2,387,480; Oct. 23.
 Treneer, Joseph M.: See—
 Compton, W. A., and Treneer, assignors.
 Trepp, Samuel G., Swarthmore, Pa., assignor to The United Gas Improvement Company. Copolymerization of methyl cyclopentadiene and cyclopentadiene. 2,387,624; Oct. 23.
 Trevino, Innocente, Los Angeles, Calif. Incinerator. 2,387,693; Oct. 23.
 Trico Products Corporation: See—
 Christel, Conrad, assignor.
 Tung-Sol Lamp Works Inc.: See—
 Bareiss, Max, assignor.
 Union Carbide and Carbon Corporation: See—
 Pierson, Ralph C., assignor.
 United Gas Improvement Company, The: See—
 Ault, Waldo C., assignor.
 Hall, E. L., and Batchelder, assignors.
 Trepp, Samuel G., assignor.
 Ward, Alger L., assignor.
 United Shoe Machinery Corporation: See—
 Jorgensen, Bernhardt, assignor.
 Paulsen, Hans C., assignor.
 Quinn, Edward, assignor.
 Standish, John F., assignor.
 Woodbury, Stephen E., assignor.
 U. S. Bobbin & Shuttle Co.: See—
 Gosselin, Wilfred J., assignor.

United States Rubber Company: *See*—
Cunningham, Marion M., assignor.
Foster, Boutwell H., assignor.
Garber, Ray S., assignor.
Haddad, Nassib, assignor.
U. S. Shellac Importers Association, Inc.: *See*—
Gardner, W. H., and Bassford, assignors.
University of Kansas Research Foundation, The: *See*—
Stephenson, Eugene A., assignor.
Universal Oil Products Company: *See*—
Thomas, Charles L., assignor.
Ursutz, Joseph J., assignor of one-third to G. T. Bush, Chesterton, Ind. Fuel burner. 2,387,420; Oct. 23.
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency and phase comparison detection and control system. 2,387,544; Oct. 23.
Vana, Charles A., Brecksville, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Silicate base adhesive. 2,387,367; Oct. 23.
Vanden Bergh, Alfred, Green Bay, Wis. Drive for paper manufacturing machines. 2,387,421; Oct. 23.
Vanous, Charles J.: *See*—
Andersen, S. K., and Vanous.
Velvac Incorporated: *See*—
Elliott, Gordon R., assignor.
Venable, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Snow-removal apparatus. 2,387,422; Oct. 23.
Venable, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Snow-removal apparatus. 2,387,423; Oct. 23.
Venev, Peter, Wooster, Ohio. Nut holder. 2,387,545; Oct. 23.
Vincent, John R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Butadiene-styrene elastomers. 2,387,481; Oct. 23.
Vineberg, Joseph H., Ottawa, Ontario, Canada. Box. 2,387,482; Oct. 23.
Vokes, Cecil G., London, England. Filter for liquids or gases. 2,387,368; Oct. 23.
Von Meyenburg, Harold: *See*—
Hoffmann, K., and Von Meyenburg.
Vossen, Edward, assignor to Stop-Motion Devices Corp., Brooklyn, N. Y. Stop motion device for sewing machines. 2,387,369; Oct. 23.
Wagensell, Ludwig: *See*—
Neugebauer, F., and Wagensell.
Walbert, Charles H., Oklahoma City, Okla. Floor unit for refrigerators. 2,387,310; Oct. 23.
Walbert, Charles H., Oklahoma City, Okla. Syphon valve unit for refrigerators. 2,387,483; Oct. 23.
Walbert, Charles H., Oklahoma City, Okla. Refrigeration unit. 2,387,484; Oct. 23.
Waldie, William A., Oakwood, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Coating compositions. 2,387,424; Oct. 23.
Waldorf Paper Products Company: *See*—
Guyer, R., and Hennessey, assignors.
Walker, Joseph B., Los Angeles, Calif. Camera. 2,387,546; Oct. 23.
Wallace, David A., R. E. Hewlett, and W. T. Wilbur, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Speed control for engines. 2,387,370; Oct. 23.
Wallace, Frank C., North Hollywood, assignor to H. H. Holbush, Los Angeles, Calif. Clamp. 2,387,371; Oct. 23.
Walther, George, near Dayton, and E. L. Miller, assignors to The Dayton Steel Foundry Company, Dayton, Ohio. Fifth wheel construction. 2,387,625; Oct. 23.
War, Government of the United States of America, as represented by the Secretary of: *See*—
Winer, Ephraim and A., assignors.
Ward, Alger L., Drexel Hill, Pa., assignor to The United Gas Improvement Company. Liquid coating compositions, coated objects, and processes for making same. 2,387,626; Oct. 23.
Warner, Douglas K., Sarasota, Fla. Air entrainment propulsion method in craft supported chiefly by air pressure. 2,387,627; Oct. 23.
Warth, Albin H.: *See*—
Grabus, A. P., Jr., and Warth.
Waseige, Charles R., Rueil, France; vested in the Alien Property Custodian. Retractable tail landing gear for aircraft. 2,387,628; Oct. 23.
Waseige, Charles R., Saint-Etienne, Loire, France; vested in the Alien Property Custodian. Rotary vane pump. 2,387,629; Oct. 23.
Watkins, Bruce O., Brentwood, Mo., and J. F. Atkinson, Cambridge, Mass. Circuit disconnecting device. 2,387,372; Oct. 23.
Watkins, Bruce O., Brentwood, Mo., and J. F. Atkinson, Cambridge, Mass. Circuit disconnecting device. 2,387,373; Oct. 23.
Watson, Roger W.: *See*—
Gaynor, J. W., White, and Watson.
Watters, Edward C., Silver Spring, Md. Fluid dispensing device. 2,387,374; Oct. 23.
Wayne, Truman B., Houston, Tex. Treatment of drilling fluids. 2,387,694; Oct. 23.

Weakley, John F., assignor to Carter Carburetor Corporation, St. Louis, Mo. Sealing connector terminal. 2,387,630; Oct. 23.
Weber, Helmut: *See*—
Seidel, J., and Weber.
Weinberg, Sam: *See*—
Felzer, W., and Weinberg.
Weinreich, Charles F.: *See*—
Lundal, I. J., and Weinreich.
Weir, Francis M., Essex, Conn. Forming laminated sheet. 2,387,631; Oct. 23.
Weller, George L., Jr., Washington, D. C. Mounting photographs and the like. 2,387,695; Oct. 23.
Wender, George W., U. S. Army, Camp Ritchie, Md. Paper feed device. 2,387,311; Oct. 23.
Western Electric Company, Incorporated: *See*—
Cox, Thomas K., assignor.
Ewaldson, Waldemar C., assignor.
Powell, Raymond E., assignor.
Schenk, Everett M., assignor.
Western Union Telegraph Company, The: *See*—
Demonet, E. A., and Blanton, assignors.
Westinghouse Electric Corporation: *See*—
Hibbard, Lloyd J., assignor.
Morton, Eldred O., assignor.
Mosshart, Donald J., assignor.
Tanner, Elo C., assignor.
Wettstein, Albert: *See*—
Ruzicka, L., and Wettstein.
White, Claron N.: *See*—
Gaynor, J. W., White, and Watson.
Whitin Machine Works: *See*—
Hargreaves, R., and Youngsma, assignors.
Whiting Corporation: *See*—
Bock, George E., assignor.
Pearl, William A., assignor.
Whitmore, Roy E., Staunton, Va. Parking vehicle art and apparatus. 2,387,312; Oct. 23.
Whyland, Frank V., Bronx, N. Y. Lock nut. 2,387,375; Oct. 23.
Widmer, Gustave, Basel, and W. Fisch, Binningen, Switzerland, assignors, by mesne assignments, to the firm Ciba Products Corporation, Dover, Del. Aldehyde condensation products and making same. 2,387,547; Oct. 23.
Wiegand, Edwin L., assignor to Orefraction Incorporated, Pittsburgh, Pa. Processing of materials. 2,387,548; Oct. 23.
Wilbur, William T.: *See*—
Wallace, D. A., Hewlett, and Wilbur.
Wildenhein, William A., Elyria, Ohio. Power truck and propulsion means therefor. 2,387,696; Oct. 23.
Willard Storage Battery Company: *See*—
Koenig, H. L., Billheimer, and Havlick, assignors.
Wilson, Elwood J., Jr., Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc. Switch electrolyte. 2,387,313; Oct. 23.
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Control system. 2,387,549; Oct. 23.
Winer, Albert: *See*—
Winer, Ephraim and A.
Winer, Ephraim and A., Baltimore, Md., assignors to the Government of the United States of America as represented by the Secretary of War. Litter. 2,387,376; Oct. 23.
Wingfoot Corporation: *See*—
Clifford, Albert M., assignor.
Winkler, Louis T., London, England. Electrical method of and apparatus for the analysis or identification of gases, vapors, and the like. 2,387,550; Oct. 23.
Wislicenus, George F., Summit, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Deep well pump. 2,387,377; Oct. 23.
Wolcott, Frank E., West Hartford, assignor to The Silex Company, Hartford, Conn. Coffee percolator. 2,387,425; Oct. 23.
Wolk, I. Louis, Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic conversion process. 2,387,378; Oct. 23.
Woodbury, Stephen E., Beverly, assignor to United Shoe Machinery Corporation, Flemington, N. J. Area measuring machine. 2,387,379; Oct. 23.
Wooley, Travis B., Dallas, Tex. Internal-combustion engine. 2,387,707; Oct. 23.
Worthington Pump and Machinery Corporation: *See*—
Wislicenus, George F., assignor.
Wright, Milton H.: *See*—
Johnson, C. W., Sterling, and M. H. and R. T. Wright.
Wright, Robert T.: *See*—
Johnson, C. W., Sterling, and M. H. and R. T. Wright.
Wurlitzer, Rudolph, Company, The: *See*—
Hayslett, L. E., and Osborne, assignors.
Yale & Towne Manufacturing Company, The: *See*—
Carliss, Oswald S., assignor.
Yingling, Frank B.: *See*—
MacGuire, W. E., and Dodge, assignors.
Yost, Kenneth J., Westport, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Inspection device. 2,387,697; Oct. 23.

Yost, Kenneth J., Westport, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Ammunition manufacturing machine. 2,387,698; Oct. 23.
Young, Fred M., J. C. Shaw, and H. F. Brinen, Racine, Wis., assignors to Young Radiator Company. Heat exchange unit for radial type engines. 2,387,485; Oct. 23.
Young, George G., Bridgeport, Conn., assignor to General Electric Company. High-frequency receiver. 2,387,632; Oct. 23.
Young Radiator Company: *See*—
Young, F. M., Shaw, and Brinen, assignors.
Youngsma, James: *See*—
Hargreaves, R., and Youngsma.

Zahutnik, Walter A., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Device for bending coil convolutions. 2,387,380; Oct. 23.
Zellos, Andrew, Ossining, N. Y. Bellows. 2,387,486; Oct. 23.
Zemberry, William L.: *See*—
Gruber, I. B., and Zemberry.
Zendek, Frank F.: *See*—
Shean, D., and Zendek.
Zillesen, Walter H.: *See*—
Heintz, W. P., and Zillesen.
Zuckerman, Roscoe C., Stockton, Calif. Smoking device. 2,387,381; Oct. 23.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 23^d DAY OF OCTOBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Photographic apparatus. S. F. Monroe. Re. 22,684; Oct. 23.

LIST OF DESIGN INVENTIONS

Book or article of similar nature. W. Rogow. 142,669-70; Oct. 23.
Bottle. G. M. Clevenger. 142,615-16; Oct. 23.
Bottle. P. A. Derham. 142,630; Oct. 23.
Bottle. J. H. Newport, Jr. 142,654; Oct. 23.
Bracelet, Watch. W. A. Zorichak. 142,684; Oct. 23.
Brooch or similar article. A. Katz. 142,645-6; Oct. 23.
Brooch or similar article. P. Kaufman. 142,647; Oct. 23.
Brooch or similar article. A. Phillippe. 142,658-63; Oct. 23.
Cabinet, Combination radio and phonograph. A. H. Girard. 142,637; Oct. 23.
Cap, Container. P. A. Derham. 142,619-29; Oct. 23.
Chair or similar article. B. R. Weill. 142,681-2; Oct. 23.
Cigarette case. M. B. Siegel. 142,276; Oct. 23.
Clip or similar article. A. Katz. 142,642-4; Oct. 23.
Clip or similar article. A. Phillippe. 142,664-6; Oct. 23.
Clothespin. E. C. Yeager. 142,693; Oct. 23.
Coat. A. Gruber. 142,638; Oct. 23.
Compact or the like. R. Shatkin. 142,674; Oct. 23.
Container for poker chips. T. K. Almroth. 142,609; Oct. 23.
Container, Lipstick. P. Spiegel. 142,679; Oct. 23.
Desk. G. C. Brainard and R. Loewy. 142,613; Oct. 23.
Dress, Sports. I. Rosenberg. 142,671; Oct. 23.
Earring. A. Phillippe. 142,655-7; Oct. 23.
Flexible band for a bracelet or similar article. V. Guglielmi. 142,639-40; Oct. 23.
Fixture, Electric light. E. Erger. 142,632-4; Oct. 23.
Frame, Multiple picture. I. B. Sherr. 142,675; Oct. 23.
Game board. D. D. Price. 142,667; Oct. 23.
Game pieces, Set of. H. Schirokauer. 164,672-3; Oct. 23.
Grate for a gas burner. J. D. Coleman. 142,617; Oct. 23.
Hamper, Clothes. J. J. Kohen. 142,649; Oct. 23.
Hanger, Garment. E. P. Elston. 142,631; Oct. 23.
Hanger, Garment. R. Sklaar. 142,677; Oct. 23.
Hobbyhorse. G. E. Montague and R. C. Romero. 142,651; Oct. 23.
Holder, Book. W. P. Baham. 142,611; Oct. 23.
Holder, Combined pipe support and match pack. D. J. Smith. 142,678; Oct. 23.
Holder, or the like, Memorandum pad. J. Meier. 142,650; Oct. 23.
Holder, Paper roll or similar article. F. Bletzinger, Sr. 142,612; Oct. 23.
Holder, Scratch pad and combination calendar stand. J. S. Fisher. 142,635; Oct. 23.
Hub, Propeller. G. Annesley. 142,610; Oct. 23.
Iron, Electric. A. B. Klonne. 142,648; Oct. 23.
Mat or similar article, Foldable exercising. E. Zinkel. 142,685; Oct. 23.
Mixer for butter or the like. R. Swanson. 142,680; Oct. 23.
Pin or similar article, Jewelry. F. Morrow. 142,652; Oct. 23.
Shuttlecock or similar article. J. L. Clark. 142,614; Oct. 23.
Template. E. J. Muldoon. 142,653; Oct. 23.
Toy gun. S. E. Dahlquist. 142,618; Oct. 23.
Toy, Helicopter. M. J. Freemark. 142,636; Oct. 23.
Tray, Partitioned. H. W. Raymond. 142,668; Oct. 23.
Truck, Industrial. G. V. Johnson. 142,641; Oct. 23.

XXIV

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 23^d DAY OF OCTOBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading wheel. G. W. Rochwald. 2,387,296-8; Oct. 23.
Accelerating device. M. J. Kittler and R. L. Ensinger. 2,387,271; Oct. 23.
Acetylene generator. K. S. J. Nordholm. 2,387,462; Oct. 23.
Acid, Production of hydrocyanic. H. D. Green. 2,387,577; Oct. 23.
Adhesive, Silicate base. C. A. Vana. 2,387,367; Oct. 23.
Adhesive unit. O. Leaser. 2,387,593; Oct. 23.
Air cleaner assembly, Crankcase. J. B. Sebok. 2,387,303; Oct. 23.
Air conditioning. B. J. Spitzka. 2,387,473; Oct. 23.
Aircraft heating means. F. O. Hess. 2,387,583; Oct. 23.
Aircraft power plant for high altitude flight. G. Boulet. 2,387,56; Oct. 23.
Airplane. H. T. Nagamatsu. 2,387,526; Oct. 23.
Airplane, Cargo. H. T. Nagamatsu. 2,387,527; Oct. 23.
Aldehyde condensation products and making same. G. Wildner and W. Fisch. 2,387,547; Oct. 23.
All purpose garment hanger. A. D. Reed and A. W. Nonn. 2,387,681; Oct. 23.
Alpha-naphthylmethyl chloride, Preparing. C. E. Funk, Jr. 2,387,702; Oct. 23.
Amine salts of alkyl phosphoric acids. Fatty. H. G. Smith and T. L. Cantrell. 2,387,537; Oct. 23.
Ammunition machinery. E. W. Gardner and W. F. Nickum. 2,387,654; Oct. 23.
Ammunition manufacturing machine. K. J. Yost. 2,387,698; Oct. 23.
Animal trap. N. Horowitz. 2,387,328; Oct. 23.
Antifling device for aircraft. L. A. Bierly. 2,387,637; Oct. 23.
Antirusts. J. W. Gaynor, C. N. White, and R. W. Watson. 2,387,323; Oct. 23.
Apparatus for applying treating mediums. G. Ornstein. 2,387,406; Oct. 23.
Apparatus for connecting plies of thermoplastic material. J. Custers. 2,387,566; Oct. 23.
Apparatus for cutting strip material. E. A. Davis. 2,387,650; Oct. 23.
Apparatus for disassembling and reassembling tracks. J. H. Abramson and E. C. Swanson. 2,387,551; Oct. 23.
Apparatus for orienting and accumulating elongated articles. R. Clark and H. R. Patterson. 2,387,235; Oct. 23.
Apparatus for plotting maps from photographs. W. Bauersfeld. 2,387,555; Oct. 23.
Apparatus for preparing photoengraving plates. F. T. Powers. 2,387,349; Oct. 23.
Apparatus for producing magnesium. L. M. Pidgeon. 2,387,677; Oct. 23.
Apparatus for the fractional condensation of mixed vapors. F. Todd. 2,387,479; Oct. 23.
Apparatus for washing stack gases. W. A. Pearl. 2,387,345; Oct. 23.
Applicator, Thermal. A. Hague. 2,387,258; Oct. 23.
Attachment for picture projecting apparatus. G. E. Hamilton. 2,387,441; Oct. 23.
Attachment for sewing machines. C. J. Davies. 2,387,649; Oct. 23.
Auto radiators, Method of and device for cleaning. L. Glickman. 2,387,324; Oct. 23.
Automatic control system. A. B. Newton. 2,387,604; Oct. 23.
Automatic pump selector valve. H. E. Rose. 2,387,531; Oct. 23.
Automatic stabilizing system for vehicles. G. D. Eddington. 2,387,249; Oct. 23.
Back rest for beds. B. E. Rogerson. 2,387,357; Oct. 23.
Bags, Method of and apparatus for producing valved or sleeved. H. E. Lee. 2,387,274; Oct. 23.
Band, Sweat. F. De Feo. 2,387,567; Oct. 23.
Bellows. A. Zellos. 2,387,486; Oct. 23.
Berries, Completing the packaging of. G. Harrison. 2,387,326; Oct. 23.
Billfold, Secret pocket. M. Becker. 2,387,490; Oct. 23.
Binder construction, Loose-leaf. A. G. Lotter. 2,387,337; Oct. 23.
Blind, Venetian. A. L. Thexton. 2,387,419; Oct. 23.
Boiler. See—
Steam boiler.
Boiler steam baffling and dry pipe. C. A. Bonvillian, R. C. Brierly, and S. Letvin. 2,387,239; Oct. 23.
Bolt actuating mechanism for bolt action firearms. E. A. Shaffnit. 2,387,413; Oct. 23.
Bookkeeping machine. K. Aurbach. 2,387,554; Oct. 23.
Bookmark. A. Pascoe. 2,387,607; Oct. 23.
Box. See—
Lead screw gear threading box.
Box. J. H. Vineberg. 2,387,482; Oct. 23.
Boxes, Forming cardboard. C. F. Klein. 2,387,272; Oct. 23.
Brewer, Coffee. J. G. Francis. 2,387,322; Oct. 23.
Broaching apparatus. F. W. Helming. 2,387,582; Oct. 23.
Broiling apparatus, Rotatable. W. H. Stangle. 2,387,621; Oct. 23.
Bucket for electric furnaces and the like, Charging. J. Meliwrik and O. Desjardins. 2,387,457; Oct. 23.
Building unit and construction. M. O. Hafsos. 2,387,659; Oct. 23.
Burner. See—
Fuel burner.
Burner and regulator therefor, Oil. J. H. McIlvaine. 2,387,280; Oct. 23.
Burner structure. B. Pratt. 2,387,680; Oct. 23.
Camera. J. B. Walker. 2,387,546; Oct. 23.
Canning machinery, Fish. E. M. Borg. 2,387,240; Oct. 23.
Cantilever seat. F. A. Kuntz. 2,387,451; Oct. 23.
Carbon tetrachloride, Inhibitor for. E. O. Ohlmann. 2,387,284; Oct. 23.
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Refrigeration apparatus. E. C. Tanner. 2,387,622; Oct. 23.
Refrigeration unit. C. H. Walbert. 2,387,484; Oct. 23.
Refrigerator. F. L. Robison. 2,387,356; Oct. 23.
Relay control circuit. W. E. Simpson. 2,387,536; Oct. 23.
Remote control apparatus. L. E. Hayslett and F. H. Osborne. 2,387,444; Oct. 23.
Resilient nut lock. R. E. Eggert and H. J. Le Vesconte. 2,387,251; Oct. 23.
Resins, Curing phenol-formaldehyde. F. J. Groten. 2,387,256; Oct. 23.
Retracting cord reel. R. J. Baunach. 2,387,556; Oct. 23.
Rewinding mechanism. E. W. Coffey. 2,387,644; Oct. 23.
Ribbon feeding mechanism for stenographic machines. C. W. Johnson, J. G. Sterling, M. H. and R. T. Wright. 2,387,330; Oct. 23.
Rigging hook. G. L. Orme, C. R. Jones, and A. L. Fletcher. 2,387,675; Oct. 23.
Riveter, Squeeze. F. A. Kaman. 2,387,449; Oct. 23.
Rivets, Applying tubular. H. C. Sundstrom. 2,387,692; Oct. 23.
Roller, Body. W. F. Spahr. 2,387,688; Oct. 23.
Roofs, Construction of pitched. P. W. Abeles. 2,387,487; Oct. 23.
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Rotary vane pump. C. R. Waselge. 2,387,629; Oct. 23.
Rule, Four-place slide. H. W. Moyer. 2,387,404; Oct. 23.
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Sampling device. T. O. Stapleton. 2,387,306; Oct. 23.
Scale, Multiple capacity weighing. O. S. Carliss. 2,387,242; Oct. 23.
Scraper, Wheeled. R. S. Hoar. 2,387,263; Oct. 23.
Seal for battery containers, Post. H. L. Koenig, W. C. Billheimer, and H. T. Havlick. 2,387,590; Oct. 23.

Seat: See—
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Self-interrupter. G. Schmidt. 2,387,616; Oct. 23.
Self-oiling burnishing tool. W. E. MacGuire and K. J. Dodge. 2,387,453; Oct. 23.
Sewing machine, Tie. J. A. Neumair and C. W. Johnson. 2,387,282; Oct. 23.
Shearing machine. R. L. Griffin and N. Y. Moore. 2,387,579; Oct. 23.
Sheet for railway cars, Floor protecting. C. D. Bonsall. 2,387,226; Oct. 23.
Shellac-polyglycol reaction products and making same. W. H. Gardner and H. H. Bassford, Jr. 2,387,388; Oct. 23.
Shock absorbing device. C. F. Sponsler. 2,387,689; Oct. 23.
Shuttle. W. J. Gosselin. 2,387,438; Oct. 23.
Signal receiver, Alternating current. A. A. Lundstrom. 2,387,671; Oct. 23.
Signal transmission system. A. C. Dickleson. 2,387,652; Oct. 23.
Smoking device. R. C. Zuckerman. 2,387,381; Oct. 23.
Snap action device. C. L. Martin. 2,387,402; Oct. 23.
Snow plow apparatus. D. Shean and F. F. Zendeck. 2,387,686; Oct. 23.
Snow-removal apparatus. W. M. Venable. 2,387,422-3; Oct. 23.
Soap dispenser. E. J. Scarry. 2,387,359; Oct. 23.
Speed control, Tentering machine. A. W. Kuzinski. 2,387,333; Oct. 23.
Speed transmission, Variable. S. M. Marco. 2,387,401; Oct. 23.
Spindle. R. Hargreaves and J. Youngsma. 2,387,260; Oct. 23.
Split flaps, Hydraulically operated. R. C. Blaylock and P. Bukoff. 2,387,492; Oct. 23.
Spooling device. T. O. Davidson and R. S. Hoar. 2,387,245; Oct. 23.
Spring: See—
Vehicle spring.
Spring for vehicles. C. J. Holland. 2,387,265; Oct. 23.
Stacker, Package. H. M. Cross. 2,387,315; Oct. 23.
Steam boiler. G. H. Green. 2,387,391; Oct. 23.
Steam iron. F. O. Morton. 2,387,281; Oct. 23.
Stoker. J. S. Bennett. 2,387,383; Oct. 23.
Stoker gas back. F. G. Julian. 2,387,400; Oct. 23.
Suction cleaner. D. C. Gerber and R. C. Osborn. 2,387,655; Oct. 23.
Sugar bowl and extractor, Sanitary. G. Tillman. 2,387,623; Oct. 23.
Sugars, Polymerization of. G. J. Leuck. 2,387,275; Oct. 23.
Sulphuric acid from acid sludge, Recovery of. J. G. Lillard and R. F. Pfennig. 2,387,519; Oct. 23.
Supporting means, Trough. C. P. Boyd. 2,387,241; Oct. 23.
Swivel. C. Miller and G. W. Tippie. 2,387,599; Oct. 23.
Synchronizing means for electric motors. R. J. Jasse. 2,387,588; Oct. 23.
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Chest turner and grading table.
Tablet and dissolving same. W. A. Compton and J. M. Trencor. 2,387,244; Oct. 23.
Tanning material, Production of synthetic. J. Seidel and H. Weber. 2,387,619; Oct. 23.
Tape and reinforcing. H. J. Stuart. 2,387,416; Oct. 23.
Tape, Luminescent adhesive. F. C. Hilberg. 2,387,512; Oct. 23.
Telegraph exchange system. E. A. Demonet and W. B. Blanton. 2,387,246; Oct. 23.
Telephone or like system. L. J. Murray. 2,387,525; Oct. 23.
Telephone system. K. S. Johnson. 2,387,269; Oct. 23.
Teletypewriter testing system. A. R. Bonorden. 2,387,558; Oct. 23.
Terminal, Sealing connector. J. F. Weakley. 2,387,630; Oct. 23.
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Thermoplastic compositions. P. M. Downey. 2,387,502; Oct. 23.
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Thread-cutting mechanism. C. A. Reimchissel and H. Davies. 2,387,294; Oct. 23.
Thread guide for thread holders. E. A. Santon. 2,387,302; Oct. 23.
Thread separating thread holder. O. V. Payne. 2,387,289; Oct. 23.
Thrust bearing and mounting therefor. W. T. Murden. 2,387,602; Oct. 23.
Titanium pigments, Production of improved. G. R. Seidel. 2,387,534; Oct. 23.
Toasting device. M. W. Humphreys. 2,387,586; Oct. 23.
Tool: See—
Self-oiling burnishing tool.
Tool. E. T. Daubs. 2,387,430; Oct. 23.
Tool for making strips from sheet material. S. E. King. 2,387,450; Oct. 23.

Tool head or the like. A. E. Schnable. 2,387,412; Oct. 23.
Tourquet. N. W. Brothers. 2,387,428; Oct. 23.
Toy, Mechanical. H. J. Criner. 2,387,565; Oct. 23.
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Track for track-laying vehicles. R. S. Garber. 2,387,387; Oct. 23.
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Animal trap.
Traller. W. H. Farr. 2,387,504; Oct. 23.
Transporting and dumping equipment. G. R. Dempster. 2,387,500; Oct. 23.
Treating the rock, Aplite. R. F. Brenner. 2,387,561; Oct. 23.
Trinitrotoluene. M. F. Acken and O. E. Olsen. 2,387,488; Oct. 23.
Truck, Industrial. E. A. Drott and J. H. Kerber. 2,387,568; Oct. 23.
Truck self-loader attachment. S. Smith. 2,387,687; Oct. 23.
Tube and anode plate therefor, Thermionic. M. Bareiss. 2,387,238; Oct. 23.
2,6-nitro chlor toluene, Bromination of. J. Ogilvie. 2,387,341; Oct. 23.
Typewriter, Calculating. H. Schuler, H. Gruttner, and E. Dronigke. 2,387,618; Oct. 23.
Unit for radial type engines, Heat exchange. F. M. Young, J. C. Shaw, and H. F. Brinen. 2,387,485; Oct. 23.
Unit for refrigerators, Syphon valve. C. H. Walbert. 2,387,483; Oct. 23.
Upholstering fabric. W. D. Hedges, J. C. Lowman, and T. J. Kerr. 2,387,396; Oct. 23.
Valve: See—
Automatic pump selector. Modulating valve.
Control valve. Plugless valve.
Rotary disk valve.
Valve for hollow articles, Inflating. B. A. McDermott. 2,387,455; Oct. 23.
Valve for hollow inflatable articles. F. Fenton. 2,387,433; Oct. 23.
Valve mechanism, Acetylene generator. R. C. Pierson. 2,387,347; Oct. 23.
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Valve mechanism, Fluid control. K. S. Clapp. 2,387,234; Oct. 23.
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Vehicle suspension. C. J. Holland. 2,387,266; Oct. 23.
Voltage generator. R. W. Sanders. 2,387,685; Oct. 23.
Wall construction. G. W. Du Laney. 2,387,431; Oct. 23.
Wall form, Concrete. W. W. Herring. 2,387,445; Oct. 23.
Wall section, Structural. G. W. Du Laney. 2,387,432; Oct. 23.
Washing machine drive. J. Oakley. 2,387,283; Oct. 23.
Weighting mechanism for spinning and roving frames. R. M. Jones. 2,387,703; Oct. 23.
Welding electrode holder. C. A. Palmgren. 2,387,464; Oct. 23.
Well control head. E. J. Roach and E. F. Cooke, Jr. 2,387,610; Oct. 23.
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Abrading wheel.
Wheel and axle packing. H. W. Sanford. 2,387,301; Oct. 23.
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Windshield and cleaner therefor. C. Christel. 2,387,564; Oct. 23.
Wire, Rubber adherent. W. E. Leonard. 2,387,335; Oct. 23.
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X-ray radiography of inclusions. D. McLachlan, Jr. 2,387,704; Oct. 23.
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Yarn, Making highly stretchable textile. N. Haddad. 2,387,321; Oct. 23.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 23, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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D33-7: Des. 142,613					

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Notices

U. S. PATENT OFFICE, Washington, D. C., Sept. 20, 1945.

Rules 137 and 138, as amended, are intended to apply to all appealed cases which are set for hearing after January 1, 1946.

No response to any reply will be accepted.

The purpose of a reply is to enable Examiners to furnish the Board with their views regarding new facts or arguments raised in applicant's brief on appeal. A reply should not be used merely as a substitute for, or to amplify, an Examiner's statement, which should be full and complete and, ordinarily, sufficient to avoid the necessity of a reply.

Rule 137 specifies that a brief on appeal must be filed 20 days before the day of hearing and the reply at least 5 days before such day. These times are maximum limits, and the rule provides a maximum of 15 days between the date of filing of a brief on appeal and the reply thereto. A brief on appeal may be filed at any time prior to 20 days before the day of hearing, and whenever filed, any reply thereto must be filed by the Examiner within 15 days after its receipt by the Office.

CASPER W. OOMS,
Commissioner.

When coupons are used in ordering printed copies of patents each one must bear, in addition to patent number, the name and address of the person to whom the copies are to be mailed. When ordering printed copies of patents, by letter, be sure to list them in numerical order.

Adjudicated Patents

(D. C. N. Y.) Hull patent, No. 1,790,153, for an electrical discharge device, claim 3 *Held* valid and infringed. *General Electric Co. v. Hygrade Sylvania Corp.*, 61 F. Supp. 476; 61 USPQ 263.

(C. C. A. Ohio.) O'Leary patent, No. 1,971,793, for electrical apparatus, claims 3 and 7 *Held* invalid. *O'Leary v. Liggett Drug Co.*, 150 F.(2d) 656; 66 USPQ 198.

(D. C. N. Y.) Cox patent, No. 2,096,693, for luminescent coating for electric lamps, *Held* invalid. *General Electric Co. v. Hygrade Sylvania Corp.*, 61 F. Supp. 476; 61 USPQ 263.

(D. C. N. Y.) Meyer, Spanner and Germer patent, No. 2,182,732, for a metal vapor lamp, claims 6, 13, 25, and 27 *Held* valid and infringed. *Id.*

(D. C. N. Y.) Smith patent, No. 2,201,817, for an electronic space current discharge device, claims 13, 43, 72 to 78, and 80 *Held* invalid and not infringed. *Id.*

(D. C. N. Y.) Le Bel reissue patent, No. 21,954, for an ultra violet lamp, claims 1, 7, 11 to 13, 25 to 30, 41, 43, 48, and 49, *Held* invalid and not infringed. *Id.*

Disclaimers

1,866,771.—*Joseph N. Johnson*, Irwin, Calif. WRANCH. Patent dated July 12, 1932. Disclaimer filed Sept. 25, 1945, by the inventor.

Hereby enters this disclaimer to claim 4 in said specification.

2,327,069.—*Howard A. Satterlee*, Bryan, Ohio. FUEL PRESSURE SWITCH. Patent dated Aug. 17, 1943. Disclaimer filed Sept. 26, 1945, by the inventor; the assignee, *The Aero Equipment Corporation*, joining in and approving.

Hereby enters this disclaimer to claims 4 and 7 in said specification.

2,369,952.—*George F. Devine*, Easton, Conn. BACKGROUND NOISE SUPPRESSOR. Patent dated Feb. 20, 1945. Disclaimer filed Sept. 20, 1945, by the assignee, *General Electric Company*.

Hereby enters this disclaimer to claims 1 and 2 of said patent.

Condition of Applications Under Examination at Close of Business October 12, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 72,900; Trade-Mark Division, 2,732. Oldest new case, Sept. 25, 1944; oldest amended, Oct. 12, 1944.) (The dates given are 1944 except where † indicates 1945.)		Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS		New	Amended	
1.	TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spilltoons; Sewerage.	Dec. 12	†Jan. 1	1160
2.	HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Oct. 19	Oct. 28	1404
3.	WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part).	Dec. 16	Dec. 18	1402
4.	BISHOP, WALTER O., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	†Jan. 30	†Mar. 15	1112
5.	ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Oct. 10	Oct. 17	1879
6.	GENIESSE, E. W., Carbon Chemistry (part).	†Jan. 19	†Feb. 5	1289
7.	JARBOE, C. G., Optics, Photography.	†Apr. 11	†May 5	1054
8.	IMUS, A. E., Furniture; Kitchen and Table Articles; Basks and Cabinets.	†Mar. 15	†Mar. 28	1171
9.	BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors.	Nov. 8	Nov. 22	1312
10.	BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†May 25	†May 28	355
11.	SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control.	Oct. 28	Nov. 22	1418
12.	BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	†Jan. 24	†Feb. 16	1122
13.	HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery.	†Mar. 21	†Mar. 15	845
14.	HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	†Mar. 21	†Mar. 29	918
15.	SPENCER, O. J., Telegraphy; Telephony.	†Feb. 22	†Feb. 22	873
16.	HABECKER, LEON E., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Dec. 1	Dec. 2	712
17.	KURZ, J. A., Motors, Expandable-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	†Jan. 19	†Jan. 4	1231
18.	PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	†Feb. 1	Dec. 11	706
19.	BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Nov. 29	†Feb. 21	854
20.	THOMPSON, T. J., Textiles.	†Apr. 2	†Apr. 27	515
21.	CARPENTER, B. H., Aeronautics; Firearms; Ordnance.	†Feb. 14	†Feb. 14	1332
22.	LEWIS, J. B., Cash Registers; Calculators (part).	†Feb. 8	Dec. 7	153
23.	LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines.	†Mar. 10	†Mar. 5	857
24.	BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	†Jan. 8	†Feb. 7	1036
25.	YOUNG, R. R., Electricity—Generation and Motive Power.	Nov. 15	Dec. 1	1276
26.	OLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles; Fluid Treating Apparatus; Ironing; Washing Apparatus.	Dec. 1	Nov. 13	1194
27.	SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	Nov. 6	Nov. 6	1066
28.	SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	Dec. 12	Dec. 20	1220
29.	MCCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	†Jan. 24	†Jan. 24	1313
30.	DUNCOMBE, O. S., Hydrocarbons; Mineral Oils.	†May 25	†May 21	864
31.	LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	†Mar. 27	†Mar. 14	958
32.	HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	†Feb. 1	†Jan. 31	1233
33.	SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	†Jan. 25	†Jan. 31	709
34.	BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Dec. 30	Dec. 11	1056
35.	McFADYEN, A. D., Automatic Weighing; Measuring and Testing; Force Measuring.	†Feb. 9	†Feb. 12	818
36.	WEAVER, M. E., Electricity, Circuit Makers and Breakers.	Nov. 9	Nov. 22	1234
37.	KRAFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation.	Dec. 15	Dec. 20	928
38.	WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution.	Dec. 22	†Jan. 5	1335
39.	DRUMMOND, E. J., Receptacles (part); Packages.	†Jan. 6	†Feb. 2	1530
40.	HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Dec. 29	†Jan. 9	563
41.	MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters.	†Feb. 28	†Mar. 8	866
42.	FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	†Jan. 12	†Jan. 4	817
43.	HARVEY, L. P., Refrigeration; Preserving.	Oct. 20	Oct. 20	722
44.	HILL, H. D., Shifting and Flexible Shaft Couplings; Wheels, Tires, Axes and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Springs, Weight and Horsepower Motors.	Nov. 29	†Jan. 20	1369
45.	ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Nov. 29	Dec. 8	795
46.	KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part).	†Mar. 14	†Mar. 26	1262
47.	ROEPKE, O. B., Electricity, General Applications; Electric Igniters.	Dec. 13	Dec. 16	1309
48.	SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	†Mar. 10	†Mar. 5	703
49.	LEVIN, SAMUEL, Synthetic Resins.	†Feb. 19	†Feb. 21	1500
50.	CROOKER, A. W., Radiant Energy; Modulators.	†Jan. 1	Dec. 30	1980
51.	KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Nov. 25	†Jan. 10	1717
52.	PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manfolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Oct. 21	Nov. 20	1351
53.	STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Sept. 25	Oct. 12	1427
54.	BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part).	†Feb. 23	†Jan. 22	913
55.	COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making.	Nov. 30	Nov. 29	1052
56.	NICHOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Nov. 20	Dec. 1	1221
57.	DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	†Apr. 14	†Apr. 13	710
58.	SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part).	Nov. 21	Nov. 17	1407
59.	GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Dec. 22	Dec. 28	1209
60.	YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	†Jan. 18	†Feb. 1	1187
61.	PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors.	Nov. 13	Nov. 13	1988
62.	WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Oct. 27	†Jan. 5	1681
63.	NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel.	†June 15	†June 7	775
64.	McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Nov. 6	Nov. 7	1391
TRADE-MARKS: RICHMOND, F. A.		†June 16	†Aug. 8	2782
DESIGNS: KALUPY, H. H.		†June 26	†Aug. 10	1741

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE RICHMOND

No. 5,009. Decided May 24, 1945

[150 F.(2d) 124; 66 USPQ 45]

1. PATENTABILITY—COMMERCIAL SUCCESS.

"In close cases the manner in which the public receives an alleged invention is sometimes persuasive that invention existed in bringing about an admitted improvement. Commercial success, however, often flows from sources other than that which is resultant from invention."

2. SAME—TREATING AND PACKAGING DRIED FRUIT.

Certain claims to a method of treating and packaging dried fruit held unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Donald M. Wight for Richmond.

Mr. W. W. Cochran (Mr. R. F. Whitehead of counsel) for the Commissioner of Patents.

BLAND, J.:

The Board of Appeals of the United States Patent Office affirmed the action of the Primary Examiner in rejecting all of appellant's claims, 1 to 11, inclusive, and 13 to 15, inclusive, in his application for a patent for a method of treating and packaging dried fruit products. The applicant here appeals from the decision of the Board and in this court withdraws the appeal as to claims 1, 2, 3, 8, and 10. We treat his so-called withdrawal as a motion to dismiss the appeal as to these claims, and the same will be granted. That leaves for our consideration claims 4 to 7, inclusive, 9, 11, and 13 to 15, inclusive, of which claim 15 is illustrative, although certain features of other claims will be referred to herein-after. Claim 15 reads:

15. A method of treating and packaging dried fruit products in liquid, which comprises filling fruit while hot with hot liquid into a flexible, moisture-resistant, airtight package having heat-sealing characteristics, and sealing the package, the temperature of the fruit and the liquid being high enough to effect sterilization without supplemental application of heat for sterilizing purposes.

The claims were rejected upon the prior art, the Examiner citing the following: Pape, 1,976,961, October 16, 1934; Schaeffe, 2,134,060, October 25, 1938; Wilbur, 2,143,903, January 17, 1939; Bense, 2,231,791, February 11, 1941; Cruess "Home Canning" pages 5, 25, and 31, University of Calif. Circular 276, March 1924.

Claim 13 was additionally rejected as being, in part, functional or indefinite.

The Board held that in view of the prior art cited, the appealed claims defined nothing inventive. Its decision is in part as follows:

With the brief there was filed an affidavit tending to show that the product treated in accordance with this application has enjoyed much commercial success. This feature does not appear to have been questioned at any time and it was therefore thought unnecessary to refer the same to the Examiner for comment.

The appealed claims relate to a method of packaging dried fruit, such as prunes, by cooking the fruit at a temperature near 212° F. until the fruit had reached a desired condition. The fruit is then placed in a sterile container and the voids between the fruit are filled with the liquid in which the fruit has been cooked. The lid is then applied and screwed down or clamped until an

air tight seal has been obtained. After this the containers may be inverted for the purpose of determining whether or not the lid is tightly sealed.

As stated above a number of the claims are specific to the use of a flexible container which is sealed immediately after filling but when a container of this type is used inversion apparently is not necessary.

The main reference relied upon is the article by Cruess. This reference describes the steps employed in hot packing fruits and vegetables which differs but little from that recited in the claims. This reference makes certain vague reference to further sterilization after the cover has been applied but this appears to be merely a matter of choice. The hot packing method is perhaps the oldest method employed in canning fruit and the like in households and it has been the common practice for many years to place the glass containers in a pan containing hot water and bringing such water up to the boiling point so as to sterilize and also to prevent the glass jars from cracking when the hot material from the preserving kettle is placed in said jars. It has also been the common practice to place the lids within the hot water and as soon as the jars are filled these lids are screwed or clamped on the same. Since the cooking of the fruit and the heating of the jars produce a sterile condition it is not seen just why further sterilization should be resorted to.

The patent to Bense discloses a process of preserving food in flexible containers of the type contemplated here. It is stated in the description that the material is partially cooked in an open pot and is then placed in the container after which it is hermetically sealed. The material then may be placed in a cooking container such as is shown in Fig. 3 and subjected to further cooking. Whether or not liquid is added to fill the voids is deemed to be immaterial since it is quite common to fill the containers with liquid after the pulp has been placed therein. The other references do not need to be discussed since they are relied upon solely for the purpose of showing that it is old to prepare and preserve cooked dried prunes.

We are unable to see wherein appellant has applied any new principle in his process or wherein there are any details which were not previously known and we must therefore hold that the claims on appeal are substantially met by the prior art of record.

Appellant states that his invention, while relating to the treatment of dried fruits in general, is particularly useful in connection with the treatment and packaging of dried prunes in liquid or syrup "so as to produce a ready-to-serve wet-pack product." His method, which is in part indicated by the quoted claim, is to first wash the dried prunes and then subject them to a short preliminary cooking, which is done by boiling the same so that each prune is uniformly heated. This brings about a swelling of the fruit, but the cooking is not carried on to the extent where much, if any, of the nutritive constituents are lost. The prunes are then removed from the cooking liquid and while at sterilizing temperature are placed in what appellant describes as flexible containers, in which they are sealed. Since the prunes are swollen, some of the liquid will not be included in the flexible container. Sugar or syrup is added as desired, and the containers are sealed while the ingredients are sufficiently hot to require no further sterilization. Much stress is laid by appellant upon the fact that great skill is required to control the amount of liquid added to the expanded prunes, which may determine whether the package is regarded as a heavy or solid pack or as a light pack, the latter containing more liquid than the former. He applies no heat after the containers are sealed.

While some of the claims speak of the package as a "flexible, moisture-resistant, airtight package," the specification often refers to it as a "bag." It is

pointed out therein that the desired flexibility may be obtained by the use of a transparent rubber product, such as "Pliofilm," or a laminated cellulose sheet product, such as "Cellophane." It is further stated in appellant's application that dried fruits may be packed, in accordance with his method, in tin or glass. The Bensei patent discloses the use of appellant's so-called flexible container.

The pertinent references, we think, have been sufficiently discussed in the Board's opinion, and it would not be useful to repeat the same here. We agreeable to the holding of the tribunals below, conclude that appellant has applied no new principle in his process which was not previously known or which could not have been applied without the exercise of the inventive faculty. We agree with the Solicitor for the Patent Office, who asserts:

Obviously, in view of that disclosure of this patent [Bensei] it would not require invention to place prunes in such flexible containers to treat them by the well-known "hot-pack" method of canning. At this point it may be noted that it was not new to treat dried prunes by processes which involve the treating of such prunes in hot water.

Again, it was not new to sterilize containers for fruits by heating them with hot water and pouring the hot fruit and syrup into the containers and sealing the containers without further sterilization. It was known that it was desirable to invert the sealed containers to ascertain whether there was any leakage and this would cause the hot syrup to come in contact with every part of the container and consequently ensure sterilization.

And, we also agree with the Board in concluding that the hot-pack method is perhaps the oldest method employed in canning fruit.

Claim 5, unlike claim 15, supra, calls for, after sterilization, "subsequently again moving the filled package to cause contact of the liquid with all of the fruit in the package to obtain uniform conditions of sugar diffusion from the fruit and liquid absorption by the fruit." Claims 4 and 6 have substantially the same limitation. It is clear that these limitations alone would not lend patentability to such a claim as No. 15, because it would not require invention to conclude that one should diffuse the juice containing the sugar evenly through the package.

Claim 9 calls for "the volume of liquid being substantially less than the volume of fruit". It is a matter of common knowledge that this may occur in any process of canning fruits, dried or otherwise. This limitation does not lend patentability to the claim over the prior art cited.

Claim 11 calls for "the proportion of water to fruit being not over 25% by volume." Claim 13 provides, "the amount of added liquid being controlled to approximate the amount of such liquid which will be taken up by the fruit after filling into the container." The 25 per cent proportion of water, is not shown to be critical, and it certainly does not involve invention over the prior art to insert only such amount of liquid as will be taken up by the fruit in the container.

[1] Affidavits of commercial success were presented to and considered by the Board. In close cases the manner in which the public receives an alleged invention is sometimes persuasive that in-

vention existed in bringing about an admitted improvement. Commercial success, however, often flows from sources other than that which is resultant from invention. *In re Jannell*, 28 C. C. P. A. (Patents) 1262, 120 F.(2d) 1012, 50 USPQ 51, 533 O. G. 517; *In re Mattison*, 27 C. C. P. A. (Patents) 1076, 110 F.(2d) 675, 45 USPQ 163, 519 O. G. 221; *In re Kluter*, 25 C. C. P. A. (Patents) 730, 92 F.(2d) 906, 35 USPQ 460, 488 O. G. 213; *In re Jobst*, 17 C. C. P. A. (Patents) 829, 37 F.(2d) 751, 4 USPQ 431, 394 O. G. 549. In the instant case it is clear to us that regardless of any commercial success which may have followed the employment of appellant's method, he did nothing more than that which those skilled in the art might be expected to do.

[2] The Board of Appeals, therefore, properly affirmed the action of the Examiner in denying the appealed claims. As to claims 1, 2, 3, 8, and 10, the appeal is dismissed; and as to all the other claims, the decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE WAGNER ET AL.

No. 5,020. Decided May 24, 1945

[149 F.(2d) 939; 66 USPQ 48]

1. PATENTABILITY—COMBINATION.

"Ordinarily, a combination claim, the elements of which are made up of prior art items, must show some new, unexpected, and useful result. It should not be merely the assembling into one device of the various desirable features disclosed in the prior art, when each of the old elements performs in the new combination its same old function."

2. SAME—RECORDING MAXIMUM DEMAND METER.

Certain claims to a recording maximum demand meter held unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Raymond J. Mauchinney for Wagner et al.

Mr. W. W. Cochran (Mr. R. F. Whitehead of counsel) for the Commissioner of Patents.

BLAND, J.:

Claims 20 to 25, inclusive, of appellants' application for a patent relating to a recording maximum demand meter were rejected by the Primary Examiner of the United States Patent Office upon the prior art cited, and some of the claims for other reasons which, in view of our conclusion, we need not state or discuss. Upon appeal, the decision of the Examiner was affirmed by the Board of Appeals. From the decision of the latter, appellants have here appealed.

A recording maximum demand meter does not total the electrical current in the manner that the conventional household watt-hour meters do but merely records the existing demand at periodical intervals, such as every quarter hour. The necessity for the installation of a recording meter so as to determine the existing demand periodically is brought about by the fact that the supplier of the electricity must be in a position at all times to take care of a great many customers if they were con-

tinuously consuming current. Some customers might not use more than a small amount of electricity, although their capacity for using it would, at certain times, be much greater. The recording meter involved here is for the purpose of determining a charge to each consumer over and above the electricity consumed, based upon the demand which might be made upon the supplier of electricity, by reason of the fact that he must always be able to take care of each consumer's highest demand. With the aid of such devices the supplier is better enabled to determine the maximum demand which might be made.

The claims involved were rejected upon the following prior art references: Meloney et al., 1,006,968, October 24, 1911; Kinney, 1,060,984, May 6, 1913; Wilson, 1,133,597, March 30, 1915; Heitman, 1,256,130, February 12, 1918; Pogue, 1,279,378, September 17, 1918; Hall, 1,742,072, December 31, 1929; Timson, 1,800,850, April 14, 1931; Warner, 1,933,356, October 31, 1933; General Electric Catalogue GE-A-812C (1936).

Claim 25 is thought to be sufficiently illustrative of the appealed claims, and since it is the claim upon which appellants particularly rely, it is here set out:

25. In a device of the character described, the combination with a driven metering mechanism, of a printing element comprising a shaft driven from the metering mechanism and a printing disk carried by said shaft and having raised printing characters formed upon its outer face and disposed around said disk adjacent its edge, a clock mechanism, means for feeding a narrow, elongated, transparent chart strip across the center of the printing disk and in substantial parallelism therewith and under the influence of the clock mechanism, said chart strip having pre-printed time designations along its length, means for maintaining a carbon strip in place between the chart strip and the printing characters, a striking platen disposed outwardly of the plane of the chart strip, means controlled by the clock mechanism and acting to move the platen with striking force toward the printing characters and at time intervals corresponding with those preprinted on the chart, a fixed index printing surface, separate from but disposed adjacent to the edge of the printing disk and in substantial alignment with the center line of the feed of the chart strip, the outer face of said fixed index lying substantially at the level of the outer faces of the characters upon the printing disk to act simultaneously with said characters as a printing element when the chart and carbon paper are forced toward said characters and index by said platen, and means for retracting said platen to a position to leave visible through the transparent chart the marks made by the carbon strip upon the underside of the transparent chart as a result of said chart and carbon strip having been forced against the printing characters and index point.

The Examiner in a very detailed way, in his rejection upon the prior art, had the following to say (omitting material relating to other grounds of rejection, etc.):

As has been pointed out, claim 26 is directly readable on Meloney et al., this patent showing the rotative disc *c*, the fixed index *e* and platen *f* as recited.

Claim 27 adds feed means for the record receiving strip shown at *g* in Meloney et al. and for a carbon strip having its general equivalent in the ink strip *y*. Whatever advantage applicants' structure may have over that of this patent, it is certainly not defined by substitution of a carbon sheet such as shown old in Heitman or a carbon strip as in Fig. 30 of the G. E. Catalog (page 53) for an ink ribbon. [While claims 26 and 27 are not on appeal in this court, the above is quoted as explanatory of that which follows.]

Claim 25 adds a clock drive for the chart, old in a majority of the references and shown particularly in Wilson and G. E. Fig. 30, and feeds the chart across the center of the printing disk whereby arcuate printing with respect to the index is effected crosswise of the strip as in Fig. 9 of Kinney instead of lengthwise as in Meloney et al., Fig. 7 and G. E. Fig. 30. In addition to other features above

recited, claim 25 also includes preprinted time designations along one edge of the chart as disclosed in the G. E. reference, lines 8-10 of column 2, page 53, and also in Warner and Pogue, and provides a chart with printing on the under side permitting entire visibility of the latest recording, as shown old in Wilson.

Claim 23 is similar to claim 25 in its association of independent old features, omitting only the index, which is added by supplemental claim 24, and shown old in Meloney et al., G. E. Fig. 30, Kinney and Timson.

No response has been vouchsafed to the rejection of the foregoing claims.

Earlier claim 20 is similar to claim 23 except for the addition of the independent zero resetting feature for the printing mechanism, specifically old in Hall if not in all the other references, and in emphasis of the complete visibility of the chart down to the last impression. This latter feature is old, e. g. and stressed in the G. E. reference, page 53, column 1, lines 5-7 from bottom. Regarding zero resetting it is obvious that the particular use determines whether or not resetting occurs after each printing stroke. Obviously if each impression is to represent the demand since the last impression, zero resetting is necessary. Provision of such common and well known necessary means is neither novel nor inventive regardless of its association with other desired but absolutely independent features above recited.

Claim 21 supplements claim 20 by the addition of the index feature old in G. E. Fig. 30, Meloney et al., Kinney and Timson; and supplemental claim 22 stresses the lengthwise direction of the index on the chart, a feature old in Kinney. Obviously the index *e* of Meloney et al. (Fig. 5) could be located where index *e* is, if across-center instead of across-edge printing were desired. Both the concept and the execution of this lengthwise extending index however are old in Fig. 9 of Kinney.

No one reference admittedly shows all the claimed independent features. In view of the different uses to which various reference structures are put it would be incompatible e. g. to have the Meloney et al. chart driven by a clock mechanism. Similarly references showing a transparent chart could not have all the claimed features and perform their desired functions. Applicants have selected and associated together—not combined—various desired features from the art to effect their desired result.

Inasmuch as every one of the nine independent features variously claimed are all old in the art and not one of the several associations thereof effect any unitary result, through mutual cooperation, it is submitted the final rejection of all claims on the grounds of lack of patentable relationship between independent desired features and lack of invention over references are sound and should be sustained.

The Board of Appeals affirmed the Examiner generally and expressly as to his rejection on the prior art. The material portion of the Board's decision reads:

As to the remaining claims [those on appeal in this court], they stand rejected on the ground that each of the independent features variously claimed are all old in the art and the several associations thereof effect no unitary result through mutual cooperation. Appellants do not seem to contest this but argue that their meter has certain important functional advantages because of the refinement of construction which they urge. They have stated four points in this connection. The chart is said to be clear and legible, which obviously would be desirable in any chart. The readings are printed transversely of the chart so that much paper is saved and that is concededly shown in Kinney. The last impression upon the chart is immediately available for inspection and that seems to be a feature brought out in the General Electric Catalog. Additionally the fixed index gives the uniform point of comparison but prior art illustrates such index. After reviewing appellants' remarks, we are not convinced that there is any patentable novelty in the grouping of the old elements as in the claims on appeal.

For the reasons more fully discussed by the Examiner, the decision of the Examiner is affirmed as to claims 20 to 25 inclusive.

The prior art has been explained by the Examiner, and his views thereon have been approved by the Board. While appellants attempt to point out that certain features of the prior art relied upon by the tribunals below are not proper subject-matter to consider in connection with the rejection of the claims, it is not seriously contended here that the references do not disclose that which the Examiner stated they disclose.

It is the contention of appellants, as we understand it, that their simplified combination of elements old in the art is such a combination as required invention to produce it, and that since they have greatly improved the art in respects which they point out, they are entitled to the allowance of the appealed claims. They contend also that no structure having these capabilities is to be found in the prior art.

In cases like this one, it is not necessary that any structure in a prior art reference disclose all the elements of a claim the patentability of which is in issue. It has been so frequently held as to require no citation of authority that the Patent Office may properly combine references for the purpose of rejecting claims. However, even though all the individual limitations of a claim are shown in the prior art, there still might be invention in combining the old elements.

The question here presented, therefore, is whether, in view of the suggestions of the prior art, the appellants' improvement in making such a combination is one that required the exercise of the inventive faculty, or whether what they did was that which would be obvious to the skilled mechanic.

[1] Ordinarily, a combination claim, the elements of which are made up of prior art items, must show some new, unexpected, and useful result. It should not be merely the assembling into one device of the various desirable features disclosed in the prior art, when each of the old elements performs in the new combination its same old function.

[2] We have carefully considered appellants' arguments, both oral and written, but we are not convinced that the tribunals of the Patent Office were in error in rejecting the appealed claims for the reasons stated.

The decision of the Board of Appeals is affirmed. Affirmed.

U. S. Court of Customs and Patent Appeals

INTERNATIONAL BRAID CO.

v.

THOMAS FRENCH & SONS, LTD.

No. 4,969. Decided May 21, 1945. Petition for rehearing denied July 2, 1945

[150 F.(2d) 142; 66 USPQ 109]

1. TRADE-MARKS—REGISTRABILITY—COLOR.

"The law is well settled that a mark, the distinguishing feature of which is partly identified by the use of a design in color, may be registered; provided, however, that the designated color is distinctive and specific. On the other hand, the law prohibits the registration of a mark which provides for the use of any color as its distinguishing feature; for the reason not only that such a mark possesses no defined feature which would tend to identify the origin of the goods, but also that the registration of such a mark would endow its owner with an implied monopoly of all the colors of the spectrum."

2. SAME—SAME—SAME.

Appellant's mark, appropriated to ladder tape for Venetian blinds, and described in its application as consisting "of an arbitrarily selected single narrow half line stripe extending along substantially the middle of the

cross straps of the ladder tape, said stripe being of generally the same color as the color of the strap but having a different shade or having different light-reflecting properties from the adjacent surface of the strap to be distinctive therefrom." Held not registrable, since it "is not restricted to the use of a defined or specific color."

APPEAL from the Patent Office. Affirmed.

Mr. Herbert B. Barlow for International Braid Co.

Mr. Harry C. Bierman for Thomas French & Sons, Ltd.

O'CONNELL, J.:

This appeal is from the decision of the Commissioner of Patents, 58 USPQ 562, sustaining an opposition to the registration of appellant's mark on the grounds, first, that the mark is devoid of trade-mark significance; and, secondly, that its registration is otherwise prohibited because the mark so nearly resembles the registered mark of appellee as to be likely to cause confusion or mistake in the mind of the public.

The merchandise of the respective parties is of the same descriptive properties. It consists of two lateral bands of ladder web used as cross-straps to support the slats of Venetian blinds.

The registered mark consists of two widely separated threads of blue, woven longitudinally into the cross-straps so as to be visible and distinctive from the rest of the strap. Appellant's mark also consists of two threads woven longitudinally into the cross-straps; but these two threads are located much closer together than are the threads of the registered mark and are side by side giving the appearance of a single line.

Appellant's mark as described in its amended application is as follows:

The mark consists of an arbitrarily selected single narrow half line stripe extending along substantially the middle of the cross straps of the ladder tape, said stripe being of generally the same color as the color of the strap but having a different shade or having different light-reflecting properties from the adjacent surface of the strap to be distinctive therefrom, for example, a red strap would have a distinctive red stripe, a black strap would have a distinctive black stripe, etc. The mark is applied to the goods by weaving two adjacent warp threads of the same color as the cross straps but of distinctive shade or distinctive light-reflecting properties therefrom into the longitudinal center of the cross straps of the ladder tape. [Italics ours.]

Appellant contends that the comparative color scheme provided for in its application for registration is a definite provision which calls for the use of a specific color. The import of appellant's argument is that under the provisions of the Trade-Mark Law, its mark is entitled to registration as a mark limited to a specific color and a specific design, or marking, at a specific location in the goods. It also states that the distinctive light reflecting properties of its mark such as "using a white rayon thread in with white cotton threads" warrants its registration. In substance, it urges that the mark does not monopolize the field of colors as competitors "can identify their goods by adopting other locations or adopting other colors which contrast with the tape or a different color than the tape."

Appellant also contends here that since the registered mark is indefinite and invalid, appellee is

not entitled to its registration and exclusive use. The law is well settled that in an opposition proceeding, the issue is whether or not the opposer would probably be damaged by the registration of the applicant's mark. This court has repeatedly held, in cases of this character, that the issue as to the validity of opposer's registered mark may not be considered.

[1] Furthermore, the law is well settled that a mark, the distinguishing feature of which is partly identified by the use of a design in color, may be registered; provided, however that the designated color is distinctive and specific. On the other hand, the law prohibits the registration of a mark which provides for the use of any color as its distinguishing feature; for the reason not only that such a mark possesses no defined feature which would tend to identify the origin of the goods, but also that the registration of such a mark would endow its owner with an implied monopoly of all the colors of the spectrum. *Leschen & Sons Rope Co. v. Broderick & Bascom Rope Co.*, 201 U. S. 166; *Lufkin Rule Co. v. Master Rule Mfg. Co.*, 17 C. C. P. A. (Patents) 1227; 40 F.(2d) 991, 5 USPQ 515, 399 O. G. 4; *In re Johns-Manville, Inc.*, 55 App. D. C. 142, 2 F.(2d) 944, 331 O. G. 488; *Samson Cordage Works v. Puritan Cordage Mills*, 211 Fed. 203; *In re Gotham Silk Hosiery Co., Inc.*, 57 App. D. C. 286, 20 F.(2d) 282, 386 O. G. 4.

[2] Since appellant's mark is not restricted to the use of a defined or specific color, the mark is not registrable according to the authorities hereinbefore cited. As suggested in the opinion of the Commissioner of Patents, a monopoly of all colors, which registration implies, would deprive appellee of the right to the use of its registered mark with its threads of blue; or, if the two marks were concurrently used by the competing parties in ladder web made of blue tape, confusion and mistake in the mind of the public would likely result.

Applicant, in one of its amendments, during the ex parte prosecution of its case, specifically stated that it did not claim color and that the distinctiveness of the mark resided in arbitrarily inserting threads having different light-reflecting properties from the adjacent surfaces. It was then suggested by the Examiner that amendment be made providing "that said warp stripe consist of rayon threads having light reflecting properties different from the other threads of the cross straps." Applicant accepted the amendment but in revision thereof omitted the word "rayon" for the stated reason that there were many other materials that would serve equally as well.

When the case came to the Examiner of Trade-Mark Interferences, he considered the application as if it called only for the arbitrary insertion of threads having different light-reflecting properties from the adjacent surface to form a relatively narrow stripe across substantially the middle of the cross strap of the ladder tape. He held that appli-

cant did not restrict its mark to any distinctive color and that it was devoid of trade-mark significance, and therefore "would not tend to distinguish the goods or their origin," and consequently there could be no likelihood of confusion and dismissed the notice of opposition.

Upon appeal, the Commissioner stated in his decision that applicant's mark was described in the application as follows:

Applicant does not claim color. The distinctiveness of the mark resides solely in arbitrarily inserting threads having different light-reflecting properties from the adjacent surface and thus forming a relatively narrow stripe along substantially the middle of the cross straps of the ladder tape. The trade-mark is applied to the goods by weaving it into the longitudinal center of the cross straps of the ladder tape. Applicant disclaims any exclusive right to the representation of a ladder tape alone appearing in the drawing.

However, the Commissioner immediately thereafter stated that in its brief on appeal the applicant had submitted, and the opposer's counsel agreed to, the amended description of the mark which we quoted earlier in the opinion, and which the Commissioner considered for the purpose of his decision.

It will be noted that in the above quoted amendment to the application is the following language: "said stripe being of generally the same color as the color of the strap but having a different shade or having different light-reflecting properties from the adjacent surfaces of the strap to be distinctive therefrom." It is clear, therefore, from the amended application that appellant's mark may consist of one in which the stripe is generally of the same color as the strap, though of a different shade; or it may depend upon having a stripe of different light-reflecting properties from the adjacent surfaces.

In view of the wording in the amended application, regardless of appellant's arguments and reasons of appeal, we do not have the question presented here as to whether a valid trade-mark may have its distinctive feature depend solely upon the difference in light-reflecting properties between it and its surroundings, and we accordingly express no opinion thereon.

Subsequent to the filing of the record in this court, appellee filed a motion suggesting a diminution of the record by the addition thereto of certain papers filed in the Patent Office relative to its motion for judgment on the grounds of res judicata. The motion was granted subject to an order of the court that the costs of printing the additional matter requested by appellee should be taxed on final decision. In view of our conclusion, it is not necessary to pass upon the question of res judicata presented by appellee.

We are of opinion, however, that the additional matter so certified to the court might have become necessary to a proper decision of the issues in this case. Accordingly, the costs of printing the same will be taxed against appellant.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

Register of Patents Available for Licensing or Sale

Des. Pat. 141,096. DESIGN FOR A COMBINATION TOY AND ADVERTISING NOVELTY. Patented May 8, 1945. (Owner) Earl E. Moore, 501 Lillian Way, Los Angeles 4, Calif. Groups 26—99; 34—99; 39—41—93. Reg. No. 478.

Pat. 2,311,501. DUMP CAR BOTTOM. Patented Feb. 16, 1943. Invention relates to construction of conventional type dump cars used to carry and dump ore. Inside surface of the body is made or covered with a sheet of corrugated metal in which the crowns of the corrugations are several times thicker than remainder of sheet. Corrugations are arranged longitudinally with respect to the sliding movement of ore to be dumped. Greatly increases the life of inside surface of car. (Owner) Stephen W. Zoldok, 509 Chronicle Building, Spokane 8, Wash. Groups 33—73; 35—63; 38—22. Reg. No. 479.

Pat. 2,359,909. HEATING UNIT. Patented Oct. 10, 1944. Provides a regulated fuel supply and other dust-proof advantages. Fireproof unit built in when house is constructed has an opening for fuel feed pipe. Pipe extends downwardly into furnace above grate; cylinder mounted in feed pipe when rotated transmits a measured amount of fuel to fire bed. Has blower below fire grate, feed cylinder and blower are electrically connected through thermostat to regulate temperature. (Owner) Albert G. Goetz, 736 South 24th St., Louisville, Ky. Groups 34—95; 35—64; 36—21. Reg. No. 480.

Pat. 2,325,030. PAPER CUTTER. Patented July 27, 1943. Power-driven heavy duty paper cutter. So designed to fit through ordinary door opening without disassembling. Parts may be readily repaired or replaced. Knife blade and paper clamp are reciprocal and slidably supported. Overload provision prevents damage to parts. (Owner) Oscar Bellar, 2017 Woodbine St., Ridgewood 27, Long Island, N. Y. Groups 26—91; 27—89; 33—51; 35—54. Reg. No. 481.

Pat. 2,089,538. FISHLINE REEL HOLDER AND BALANCING HANDHOLD DEVICE FOR FISHING POLES. Patented Aug. 10, 1937. Constructed of light gauge metal, two interlocking parts are held together in tension by means of a removable clip and clamped to rod to hold conventional reel. Holder is adjustable to rods of different diameters, the handhold fitted to finger to provide balance. (Owner) Charles J. Clarke, Kingsburg, Calif. Groups 33—73; 39—49. Reg. No. 482.

Pat. 2,362,389. FLUID TRANSMISSION AND DRIVE. Patented Nov. 7, 1944. Improvement in fluid transmission and drive for use, primarily in motor vehicles without use of differential, gear transmission, etc.; also adapted to braking. May be controlled by manual operation. (Owners) Charles A. Martin and Agrippa K. Long, R. F. D. 2, Tupelo, Miss. Groups 36—19—41; 38—11—31. Reg. No. 483.

Pat. 2,361,894. DEHYDRATOR. Patented Oct. 31, 1944. Previously cut or chopped material is thrown by rotating motion against the flexible and porous side walls, such as fabric, of a bowl-shaped container mounted on a shaft (attached to a means of power) to a fixed stand. The porous walls (which may be removed for cleaning) constantly engage heated rolls, which condense moisture in material into steam which acts as a bleach and passes out opening in top of lid. The finned vents of lid, allow for an air intake and the squeezing action of the rolls against the porous and flexible sides forces air in and out. The employment of motion allows extremely high temperatures without fear of scorching. (Owner) Elmo H. Williams, 1222 E. Calanevus St., Altadena, Calif. Groups 20—43; 35—51. Reg. No. 484.

Pat. 2,270,237. ROPE MACHINE. Patented Jan. 20, 1942. Consists of apparatus for making rope with added feature of a spreader which is removable and adjustable so that when a rope is being formed from frayed material the strands are held sufficiently apart so as not to become entangled. Machine is provided with a portable support, tension causes movement and equal pressure is maintained as strands are twisted. (Owner) Joseph M. Cattoor, Modesto, Calif. Groups 22—98; 35—52. Reg. No. 485.

Pat. 1,944,018. FLUID OPERATED GEARING. Patented Jan. 10, 1934. Relates to an improvement in gearing whereby a fluid such as oil, water or glycerine is the driving means. Inventor claims it is self-adjustable commensurate with load and may be manually adjusted to control speed. Connects power plant and driven mechanism. (Owner) Harry A. Thompson, 11216 Hortense St., North Hollywood, Calif. Groups 35—66; 36—41; 38—31. Reg. No. 486.

Pat. 2,350,152. WAX APPLICATOR. Patented May 30, 1944. Hand operated. Consists of pervious bag filled with wax which moves over floor. Bag passes between two closely spaced parallel bars mounted on geared frame. By pressure of lever attached to spring on handle, pawl is released and gears are unlocked. Turning of gear causes winding of bag and wax is extruded through fabric. Inventor claims easily handled and use will save considerable time. (Owner) Edward J. Dahlstrom, 1205 O'Farrell St., San Francisco, Calif. Groups 23—94; 28—93. Reg. No. 487.

Pat. 2,351,523. GARMENT HANGER. Patented June 13, 1944. Made of inexpensive non-metal material. Sides may be made of paper, twine, or the like and form an inverted V, are knotted and attached to folded inverted V-shaped cardboard strip which acts as crosspiece; top comprises loop which is knotted through disc in the center and loop passed around pole, brought back and secured to button or disc. Inventor claims hanger will support heavy garment. (Owner) Nicholas Langer, 25 Prospect Place, Tudor City, New York 17, N. Y. Groups 25—99; 28—83; 39—81. Reg. No. 488.

Pat. 1,924,308. CLOSURE CAP. Patented Aug. 29, 1933. Cap for gasoline tanks or the like carries key actuated lock characterized by lugs and locking bolts adapted to engage stop extensions formed on cam-like flanges of the interior of a filling tube. Key actuated bolts co-operate with stop extensions of the flanges to lock cap against removal. The type of closure to which this cap is applied is disclosed in Patent No. 1,593,847, issued July 27, 1926. (Owner) Frederick C. Cruze, 700 Empire Building, P. O. Box #2202, Knoxville, Tenn. Groups 33—59; 38—31. Reg. No. 489.

Pat. 1,952,586. FLUID-TIGHT VALVE CLOSURE. Patented Mar. 27, 1934. Tube cap for collapsible tubes. Has a portion encircling outside neck of tube and circular inner portion extending downwardly inside tube. Tube and inner portion are provided with a hole inside of each which are adapted to be brought into alignment for emitting contents from tube. Cap is locked in position by pushing downward and turning. To open, cap is turned slightly and pressure on tube forces cap up and brings holes into alignment. Cap remains on tube at all times. (Owner) Frederick C. Cruze, 700 Empire Building, P. O. Box #2202, Knoxville, Tenn. Groups 33—73; 34—92. Reg. No. 490.

Pat. 2,204,149. PERMANENT COTTON BALE IDENTIFYING MEANS. Patented June 11, 1940. Light metal foil ribbon with indicia thereon, inserted inside any type of bale during ginning without alteration or addition to existing gin equipment; discloses origin and season of growth. Impossible to remove without repacking bale; fire-resistant, rustproof, does not interfere with established storing and handling methods; will not damage mill machinery. Production does not require heavy embossing or die stamping machinery. (Owner) Richard H. Pratt, 107 Houston St., Mobile 19, Ala. Groups 34—94; 35—59; 39—53. Reg. No. 491.

Pat. 1,859,653. CHEMICAL COMBINATION OF BORIC ACID AND POTASSIUM ACID TARTRATE, AND PROCESS OF PREPARING SAME. Patented May 24, 1932. To control abnormal urinary alkalinity by employing an acidifier taken orally to control phosphaturia (the presence of calcium or magnesium phosphates in the urine). The patent states the effect of former alkalisers was hindered as dosages had to be limited (large dosages were apt to cause gastric disturbances and could only be taken for short periods). Three preparations are cited. Group 28—31. Reg. No. 492.

Pat. 2,340,739. VAPOR PHASE CATALYTIC OXIDATION. Patented Feb. 1, 1944. Relates to process of employing air, dried to a selected low dewpoint, as an oxidizing medium to impede the deleterious effect of moisture and other impurities in the vapor phase of catalytic oxidation. Examples and process recited in patent. Groups 28—82—89; 29—22. Reg. No. 493.

Pat. 2,030,690. TAR ACID PRODUCT AND PROCESS OF PRODUCING IT. Patented Feb. 11, 1936. Cresylic acid and similar analogous tar acids when freshly distilled are substantially water white. When treated with small amounts of maleic anhydride (before or after distillation) color is stabilized against change in storage or exposure to direct sunlight. Proportions recited in patent. Groups 28—82—89; 29—22. Reg. No. 494.

Pat. 2,162,276. METHOD FOR THE PREPARATION OF CATALYSTS. Patented June 13, 1939. Method produces catalyst by forming a water soluble acidic metallic oxide compound and an alkaline water soluble amine which coats carrier evenly with a metal oxide deposit without corroding enamel or porcelain vessel used in the coating operation. Method is such that tendency of the catalyst to depreciate by dusting is minimized. Since coating is porous the surface is larger for catalytic action. Though vanadium oxide is the chief active catalytic component inventor applies it to other oxides with similar acidic characteristics. Groups 28—82—89. Reg. No. 495.

Pat. 2,019,032. AMINE OF HIGH COLOR STABILITY AND PROCESS OF PRODUCING IT. Patented Oct. 29, 1935. By the addition of relatively small amounts of maleic anhydride prior to final distillation of amines, especially aromatic amines, it is possible to retard or possibly prevent the darkening during storage and thus give amines greater stability. Proportions recited in patent. Group 28—82—89. Reg. No. 496.

Pat. 2,209,908. CONTACT MASS FOR USE IN THE CATALYTIC VAPOR PHASE OXIDATION OF ORGANIC COMPOUNDS. Patented July 30, 1940. Provides a solid improved contact mass for the catalytic production of acid anhydrides from organic materials, particularly from aromatic hydrocarbons, which maintain high initial activity over a long period of time even when operated at relatively high temperatures. Examples and tables shown in patent. Group 28—82—89. Reg. No. 497.

Pat. 2,206,377. CATALYTIC OXIDATION OF BENZENE. Patented July 2, 1940. Method for accelerating the production of higher yields of maleic acid from benzene, which comprises passing benzene and air over a heated contact mass having a productive catalytic agent consisting essentially of higher oxides of vanadium and at least one compound of an alkali-forming metal. Examples given in patent. Group 28—82—83—89. Reg. No. 498.

Pat. 1,999,380. SYNTHETIC RESIN AND PROCESS OF PRODUCING IT. Patented April 30, 1935. As a result of treating a monosaccharide, such as dextrose, with a dibasic organic acid or an anhydride of a dibasic acid, such as phthalic anhydride or maleic acid anhydride, a hard solid brown cake is produced easily reduced to a powder and readily soluble in water at 25° C. but insoluble in cold 95% ethyl alcohol. Character of product varies, depending on the raw materials selected and manner in which condensation is carried on. Other examples given in patent. Group 28—31—81—82—83—89. Reg. No. 499.

Pat. 1,914,941. AIR DRYING DEVICE. Patented June 20, 1933. Intended to be used in an enclosed space, the device consists of a liquid collecting compartment over which is fitted a cover, upper part of which holds cakes of a deliquescent substance such as calcium chloride. The wall of the compartment has perforations which may be opened or closed at will, so air may circulate and moisture in air be removed by contact. Has many practical applications and can be used to inhibit rust, mold, etc. Will not harm film, cloth, leather, metal, soaps, or foods. Patent shows special containers. Groups 20—52—99; 28—89; 35—52—84; 40. Reg. No. 500.

Pat. 2,154,079. CATALYST AND METHOD OF PRODUCING IT. Patented April 11, 1939. The production of a pure silica carrier which is infusible, has suitable porosity and rough surface and which can be shaped as desired; contains no extraneous material to affect the action of the catalyst. Process recited in patent. Group 28—82—89. Reg. No. 501.

Pat. 2,026,935. METHOD AND APPARATUS FOR CONDITIONING AIR. Patented Jan. 7, 1936. Reg. No. 502.

Pat. 2,026,936. METHOD AND APPARATUS FOR CONDITIONING AIR. Patented Jan. 7, 1936. Reg. No. 503.

Pat. 2,027,094. METHOD AND APPARATUS FOR DEHUMIDIFYING AIR. Patented Jan. 7, 1936. Reg. No. 504.

Pat. 2,091,353. METHOD AND APPARATUS FOR CONDITIONING AIR. Patented Aug. 31, 1937. Reg. No. 505.

Pat. 2,174,186. AIR CONDITIONING APPARATUS. Patented Sept. 26, 1939. Reg. No. 506.

The five patents listed above provide various means of conditioning the air through use of a deliquescent substance such as calcium chloride and its water solution. The calcium chloride may be used in either block or lump form laid on sloping shelves to allow drainage and air circulation. Liquid is drawn down to pool at bottom and when in excess is discharged as waste. The apparatus dehumidifies the air in summer and without structural change of machinery humidifies the air in winter. Provided with a suitable duct and blower system. Sludge collection is prevented by continual agitation of the collecting pool and kept circulating by a pump. Inventors claim moderate cost of installation and operation without extensive alteration to present heating system. Groups 28—89; 33—61—65; 35—61—64—84; 36—21.

Pat. 2,183,136. METHOD AND APPARATUS FOR CONDITIONING AIR. Patented Dec. 12, 1939. Reg. No. 507.

Pat. 2,221,786. METHOD AND APPARATUS FOR CONDITIONING AIR. Patented Nov. 10, 1940. Reg. No. 508.

Pat. 2,221,787. METHOD AND APPARATUS FOR CONDITIONING AIR AND OTHER GASES. Patented Nov. 19, 1940. Reg. No. 509.

Pat. 2,222,561. METHOD AND APPARATUS FOR RECONCENTRATING HYGROSCOPIC LIQUIDS. Patented Nov. 19, 1940. Reg. No. 510.

The four patents listed above relate to a cabinet with bins storing a deliquescent substance, such as calcium chloride, which gradually feed into a number of horizontally arranged baskets allowing liquid and small fragments of calcium chloride to drop through to trays of dilute solution; excess is drained off. Moisture is partially removed when air is circulated by blower into contact with the hygroscopic solution and then forced through baskets of the calcium chloride for further dehumidifying, being cooled by circulating over a series of cooling sur-

faces to reduce the heat, until a predetermined point of moisture and temperature is reached. The several parts are removable for easy cleaning. Tipping or movement of carrier does not interfere with operation making it particularly adaptable to ships, trains, and the like. Groups 28—89; 33—61—65; 35—61—64—84; 36—21.

Pat. 2,027,093. DEODORIZED CALCIUM CHLORIDE. Patented Jan. 7, 1936. Reg. No. 511.

Pat. 2,154,671. METHOD FOR FORMING LUMPS OF CALCIUM CHLORIDE. Patented April 18, 1939. Reg. No. 512.

Pat. 2,154,672. FORMED BODIES OF SOLID CALCIUM CHLORIDE HYDRATE. Patented April 18, 1939. Reg. No. 513.

Pat. 2,154,708. APPARATUS FOR MAKING FORMED BODIES OF CALCIUM CHLORIDE HYDRATE OR ANALOGOUS MATERIAL. Patented April 18, 1939. Reg. No. 514.

The four patents listed above relate to air-conditioning. Cools molten calcium chloride and discharges same in mushy state and molds for later packaging; thus preventing wastage occurring during a crushing operation. Patent 2,027,093 incorporates the addition of powdered activated carbon which acts as a deodorizer. Groups 28—61—89; 35—84.

Pat. 2,192,126. METHOD OF CONDITIONING AIR. Patented Feb. 27, 1940. Provides a system whereby, if necessary, existing heating units may be utilized to condition the air. Employing the use of a volatile hygroscopic compound, particularly triethylene glycol, air may be dried by passing it over water solutions of varying strengths. Loss of compound is infinitesimal and air is not contaminated. Air is conditioned without means of mechanical refrigeration. Groups 33—61—65; 35—84; 26—21. Reg. No. 515.

Pat. 2,171,109. HUMIDITY CONTROL. Patented Aug. 29, 1939. Reg. No. 516.

Pat. 2,173,802. HUMIDITY CONTROL METHOD AND APPARATUS. Patented Sept. 19, 1939. Reg. No. 517.

Pat. 2,210,656. AIR CONDITIONING SYSTEM. Patented Aug. 6, 1940. Reg. No. 518.

The three patents listed above relate to control for air-conditioning. In addition to the usual wall humidostat for controlling an air conditioning unit an auxiliary hu-

midostat is positioned near window pane or wall exposed to outside atmosphere for more sensitive control. Adjusted to start or stop wall humidostat in accordance with weather conditions and to prevent excessive condensation on walls or windows. Groups 35—84; 36—21.

The twenty-seven patents listed above are offered for license on reasonable terms by the Calorider Corporation. Address all correspondence to, The Calorider Corporation, P. O. Box 706, Old Greenwich, Conn.

Pat. 2,207,451. PULL RIM. Patented July 9, 1940. A split rim to provide traction for wheeled vehicles. Rim is made in two parts; fits over tread of tire and is bolted in place. Cleats set obliquely on device provide traction. Easily attached and detached to standard size tire. (Owner) William F. Betzell, 2215 Newton St., N. E., Washington, D. C. Groups. 33—49—59—72—73; 38—31. Reg. No. 519.

Pat. 2,191,189. INCANDESCENT LAMP. Patented Feb. 20, 1940. Filament mounted in conventional manner has a series of lengthwise grooves of different angled contour on its surface whereby filament vaporization is materially lessened. Greater surface area provides multiple reflection of rays emanating from sides of grooves. May be used in incandescent lamps, X-ray or radio tubes. (Owner) Kenneth L. Wade, 37 Bank St., New York 14, N. Y. Group 36—51—61—92. Reg. No. 520.

Pat. 2,271,108. INCANDESCENT LAMP. Patented Jan. 27, 1942. This patent is a continuation-in-part of patent 2,191,189. Filament is provided with a filter and reflector placed in a position outside illumination zone. Filter of nest or screen variety formed of glass or tungsten wool may be placed back of and held by perforated reflector. Filter retards normal deposit of vaporized particles of filament on inside of globe, while reflector reflects light rays which ordinarily fall in non-illuminating zone back into illuminating zone. (Owner) Kenneth L. Wade, 37 Bank St., New York 14, N. Y. Group 36—51—61—92. Reg. No. 521.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING SEPTEMBER, 1945

WITH SUPPLEMENT TO DECISIONS RENDERED DURING JUNE, 1945

Supplement to decisions rendered during June 1945

EX PARTE D. R. COLLINS LTD., Serial No. 467,874.

In a decision rendered June 5, 1945 (166 Ms. Dec. 791), *First Assistant Commissioner Frazer*, on petition of D. R. Collins Ltd., after stating the question presented by the petition to be whether the Patent Office may properly require a foreign applicant for trade-mark registration, as a condition precedent to the declaration of an interference between its application and the later filed application of a domestic applicant, to file a verified showing of use of its mark in commerce in or with the United States, held that there is nothing in the statute to authorize such a requirement, so that the question presented was answered in the negative, and to that extent the petition was granted.

EX PARTE HENRY H. FREDE, Serial No. 473,809.

In a decision rendered June 6, 1945 (166 Ms. Dec. 792), *First Assistant Commissioner Frazer* denied the petition of Henry H. Frede in an application to register a trade-mark for disposable diapers, in Class 39, Clothing, where applicant, in attempting to overcome a reference, sought to have such goods transferred either to Class 37 or Class 44.

After noting that a few years ago, textile diapers were transferred from Class 42 to Class 39, because they were properly described as articles of clothing, it was held that although applicant's diapers are not made of textile fabric, but are made of cotton batting and paper, they are still diapers, just as a paper collar still is (or was) a collar; and for classification purposes there is no distinction between applicant's product and the more orthodox variety, so that applicant's goods are correctly classified in Class 39.

EX PARTE KINNEY-ROME Co., Registration No. 197,165.

In a decision rendered June 6, 1945 (166 Ms. Dec. 792), *First Assistant Commissioner Frazer* denied a petition by Joseph Eccles that the renewal certificate of trade-mark registration No. 197,165, issued April 14, 1925, to Kinney-Rome Co., be withheld for a period of sixty days, in order to allow petitioner to assemble and file certain instruments showing his right to the use of said trade-mark in the United States, where a request for renewal was filed on November 13, 1944, by Burton-Dixie Corporation; and on April 12, 1945, a second such request was filed by Joseph Eccles, and the Examiner of Trade-Marks had advised that Burton-Dixie Corporation

had made a satisfactory showing that it owned the registered trade-mark, and that the certificate of registration would be renewed on the request filed by that corporation in due order of business.

It was held that an examination of the record discloses that the only claim asserted by Eccles is based upon an alleged license to use the mark in the States of California and Nevada, and in the Territory of Hawaii, so that he thus fails to qualify under the statute as one upon whose request the registration might be renewed, even were his the only request involved. Moreover, renewal upon the request of Burton-Dixie Corporation will not impair existing rights of Eccles, if any he had; nor can the Patent Office determine such rights.

EX PARTE CHERRY-BURRELL CORPORATION, Serial No. 412,952.

In a decision rendered June 26, 1945 (166 Ms. Dec. 799), *Acting Commissioner Frazer* denied the petition of Cherry-Burrell Corporation, seeking the reversal of the ruling that applicant's appeal is informal, and that the application appears to be abandoned, where on May 30, 1945, applicant filed an appeal from a decision of the Examiner of Trade-Marks rendered May 30, 1944, finally refusing to register applicant's trade-mark, and no fee accompanied the appeal.

In response to applicant's contention that having paid the appeal fee for an appeal to the Commissioner in an opposition proceeding in which the same application was involved, applicant was relieved from paying a fee upon the filing of the instant appeal, it was held that clearly the contention is without merit.

Decisions rendered during September 1945

EX PARTE FOREST CITY PRODUCTS, INC., Serial No. 459,538.

In a decision rendered September 10, 1945 (166 Ms. Dec. 841, 66 USPQ 425), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Forest City Products, Inc., of Cleveland, Ohio, the notation "Shu-Hose," under the provisions of the act of February 20, 1905, as a trade-mark for a foot protector to be worn inside a shoe.

After noting that applicant's product is nothing more nor less than a legless sock, the top of which conforms roughly to the top of the shoes under which it is worn, and is thereby concealed, and that strictly speaking it is not a hose, it was held that

colloquially the words "hose," "socks," and "stockings" have come to be used interchangeably so that either word, when applied to applicant's goods, would be regarded as descriptive by the average purchaser, and that the mark as a whole is equally so.

JOHN WYETH AND BROTHER, INCORPORATED (BY CHANGE OF NAME, WYETH INCORPORATED) v. NUTRITION RESEARCH LABORATORIES, INC. (NUTRITION RESEARCH LABORATORIES, ASSIGNEE, SUBSTITUTED), Opposition No. 20,314.

In a decision rendered September 10, 1945 (166 Ms. Dec. 838, 66 USPQ 424), on a second appeal, *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the opposition of John Wyeth and Brother, Incorporated (by change of name, Wyeth Incorporated), of Philadelphia, Pa., to the application of Nutrition Research Laboratories, Inc. (Nutrition Research Laboratories, Assignee, Substituted), of Chicago, Ill., to register the word "Bezon" as a trade-mark for a natural vitamin B complex concentrate. The opposition was predicated upon opposer's registration and use of the word "Bewon" in connection with sales of its tonic and appetite stimulator containing vitamin B₁.

After referring to the decision (563 O.G. 585, 61 USPQ 503) in a cancellation proceeding, wherein opposer's registration of the mark "Bewon" was canceled, and the decision (563 O.G. 589, 61 USPQ 504) on the first appeal remanding the cause to the Examiner of Interferences for a determination of whether cancellation of the registration would require a different disposition of the opposition proceeding than that from which applicant's first appeal was taken, in response to applicant's argument that opposer is disqualified to maintain the opposition by reason of the cancellation of its registration it was held that opposer also pleaded and proved actual use of the word "Bewon" in connection with sales of its tonic and appetite stimulator containing vitamin B₁, and although the ruling in the cancellation proceeding was that opposer is not entitled to exclusive ownership of that word, its use by opposer, even as a descriptive term, suffices to support the opposition.

It was held that the decision in the cancellation proceeding does establish, however, that applicant, in common with other dealers in goods of which the mark of the canceled registration is descriptive, has the right to use it descriptively; so that, in consequence, opposer can suffer no damage from the registration of applicant's mark unless that mark is likewise descriptive.

It was held that "Bezon" is a coined word, without meaning other than its trade-mark significance, so that applicant is entitled to its registration.

VANITY FAIR MILLS, INC., v. PEDIGREE FABRICS, INC., Opposition No. 22,379.

In a decision rendered September 12, 1945 (166 Ms. Dec. 842, 66 USPQ 486), *First Assistant Com-*

missioner Frazer reversed the action of the Examiner of Interferences who had sustained the opposition of Vanity Fair Mills, Inc., of Reading, Pa., to the application of Pedigree Fabrics, Inc., of New York, N. Y., for registration of a trade-mark claimed to have been used since March, 1936, for goods of rayon yarn. The mark consists essentially in the word "Pediglo," although it includes minor embellishments which lend distinctiveness in appearance. The opposition was predicated upon opposer's ownership of the trade-mark "Pechglo," registered November 24, 1931, for a general line of underwear and hosiery.

It was held that applicant's piece goods unquestionably possess the same descriptive properties as certain items of wearing apparel listed in opposer's registration, and, hence, if the marks were identical the proposed registration would be forbidden by the express terms of the statute. But the marks are by no means identical, and the goods to which they are respectively appropriated differ considerably.

It was held that "Pediglo" is a three-syllable word, while "Pechglo" has only two syllables. And while the last syllable is the same in both, otherwise they have no similarity in sound or significance, and as displayed in the application and the registration, they have but slight resemblance in appearance, one being applied to fabrics in the piece, and the other to finished articles of clothing; so that considered in connection with the obvious differences between such goods, the marks differ sufficiently to insure against any reasonable likelihood of their confusion in trade.

PEDIGREE FABRICS, INC., v. VANITY FAIR SILK MILLS (BY CHANGE OF NAME, VANTY FAIR MILLS, INC.), Cancellation No. 4242.

In a decision rendered September 12, 1945 (166 Ms. Dec. 841, 66 USPQ 486), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the petition of Pedigree Fabrics, Inc., of New York, N. Y., to cancel trade-mark registration No. 289,350, issued November 24, 1931, under the provisions of the act of February 20, 1905, to Vanity Fair Silk Mills (by change of name, Vanity Fair Mills, Inc.), of Reading, Pa. The registered mark is the word "Pechglo," and the goods to which it purports to be appropriated include a general line of underwear and hosiery.

After noting that the only statutory ground for cancellation pleaded in the petition is that the registered mark is descriptive of such goods, it being alleged that "peche" is the French equivalent of the English word "peach," "glo" is the phonetic equivalent of "glow," and "peach glow" means "a lustrous peach shade," it was held that the word "peche," however, does not occur in the mark; and so far as the record discloses "pech" has no significance in either language, so that while "Pechglo" may be suggestive of some real or fancied characteristic of respondent's goods, petitioner has failed

to prove that it is descriptive within the meaning of the Trade-Mark Act.

EX PARTE SCHULTZ-ROSKY-BLOCK Co., Serial No. 469,696.

In a decision rendered September 18, 1945 (166 Ms. Dec. 845, 67 USPQ 15), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register the word "Sarby," under the provisions of the act of February 20, 1905, as a trade-mark for various articles of men's and boys' wearing apparel on the ground that the mark is a surname not distinctively displayed.

It was held that the Examiner was right in holding that the mark is not distinctively displayed.

In response to applicant's argument that because "Sarby" is not commonly used as a surname it is registrable regardless of display, it was held that since applicant's mark appeared in the Washington City Directory for 1943, and the application to register was filed April 26, 1944, it would be idle to say that the word was not in current use as a surname when the application was filed, and although the name is an unusual name, the statute makes no distinction between rare names and those in common use, but forbids the registration of any mark "which consists merely in the name of an individual, * * * not written, printed, impressed, or woven in some particular or distinctive manner;" and a word that has no other meaning necessarily is merely the name of an individual.

MONTGOMERY WARD & Co., INCORPORATED, v. AIR-RADIO, INCORPORATED, Opposition No. 22,636.

In a decision rendered September 19, 1945 (166 Ms. Dec. 847, 67 USPQ 16), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the opposition of Montgomery Ward & Co., Incorporated, of Chicago, Ill., to the application of Airradio, Incorporated, of Stamford, Conn., for registration of the word "Airradio" as a trade-mark for radio receivers, transmitters, electrical sound recording equipment, television receivers, electrical remote control device for radio equipment, antenna relays, multicontact connectors used in radio equipment, electrical apparatus used in radio ground beacon equipment and parts of the above apparatus, but affirmed the action of the Examiner of Interferences adjudging that applicant is not entitled to the registration for which it has made application.

After noting that the opposition was sustained on the ground that applicant's mark is confusingly similar to the word "Airline," previously registered to opposer for radio receiving sets and related articles, it was held that there is no reasonable likelihood of confusion between "Airline" and "Airradio."

It was further held that applicant's mark is merely descriptive of at least a portion of the goods to which it is appropriated, since the equipment to

which the mark is presently applied is used almost exclusively for aircraft communication purposes, and could be no more aptly described than as air radio equipment; the combination of the two words "air" and "radio" does not change their meaning in the slightest degree; and if the expression "air radio" describes applicant's goods, as seems to be conceded, so does the word "Airradio."

EX PARTE PUREX CORPORATION, LTD., Serial No. 459,313.

In a decision rendered September 21, 1945 (166 Ms. Dec. 849, 67 USPQ 19), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Trade-Marks who had refused to register to Purex Corporation, Ltd., of South Gate, Calif., the word "Guardex" as a trade-mark for a mothproofing preparation, in view of a prior registration of the same word for a pharmaceutical preparation of vitamins and minerals in tablet and like form.

It was held that the particular goods here involved are not of the same descriptive properties, since the two items differ so widely in all their essential characteristics, and are so completely unrelated in use, that their sale under identical trade-marks would not be likely to result in confusion.

EX PARTE FRENCH-KITCHEN FOODS CORPORATION, Serial No. 461,314.

In a decision rendered September 21, 1945 (166 Ms. Dec. 849, 67 USPQ 19), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to French-Kitchen Foods Corporation, of Chatsworth, Calif., the notation "Mexico Maid," under the provisions of the act of February 20, 1905, as a trade-mark for a food product consisting of dehydrated beans and dehydrated sauce powder for making chili beans, on the ground that the word "Maid" is the phonetic equivalent of the word "made," so that the mark as a whole is merely descriptive of the goods as indicating that they are made in Mexico.

It was held that although the words of applicant's mark have only one meaning, and that is a maid or girl of Mexico, however, significance of marks is not the only factor to be considered, for appearance and sound are equally important; and since the words "Maid" and "made" have precisely the same pronunciation, the registration of applicant's mark, with the resulting presumption of ownership, would obviously impair the right which any dealer in goods like those of applicant has to say that they were made in Mexico, if he can truthfully do so.

EASTMAN KODAK COMPANY v. PEERLESS PHOTO PRODUCTS, INC., Opposition No. 22,949.

In a decision rendered September 21, 1945 (166 Ms. Dec. 850, 67 USPQ 18), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks sustaining the opposition of Eastman Kodak Company, of Rochester, N. Y., to the application of Peerless Photo Products, Inc., of New York, N. Y., for registration of the word

"Transphoto" as a trade-mark for photographic transfer film for use in transferring designs to material for the duplication of aircraft templates and the like. Opposer relied upon its ownership of the trade-mark "Translite," which was registered on January 13, 1931, for light-sensitive photographic paper, and which has also been used for sensitized photographic film from at least as early as 1937. Applicant's asserted date of first use is May 8, 1942, so that as applicant concedes, opposer is thus the prior user.

In response to applicant's contention that the notice of opposition is defective because it recites that the term "opposer" as used therein means and includes, as the context permits, both the Eastman Kodak Company of New York and its successor in interest, the Eastman Kodak Company of New Jersey, so that the opposition was filed in the name of two companies, one of which is defunct, it was held that the instant notice was accompanied by the verification of Eastman Kodak Company of New Jersey, but has never been verified by Eastman Kodak Company of New York; and since an opposition is null and void unless verified by the opposer within a reasonable time after its filing, the Examiner of Interferences was entirely correct in ruling that Eastman Kodak Company of New Jersey is the sole opposer; and in any event, the alleged misjoinder would not justify dismissal of the opposition.

After noting that materials for photographic template making, competitive with applicant's goods, are sold by opposer to aircraft manufacturers, but under trade-marks other than "Translite," and that opposer's witness testified that "Translite" film has industrial uses generally, and has been used in aircraft plants, it was held that the Examiner of Interferences was right in holding that the goods of the parties are of the same descriptive properties because purchasers would naturally expect that a single company would manufacture and sell photographic films and papers of all types.

In response to applicant's contention that the trade-marks "Transphoto" and "Translite" are not deceptively similar, it was held that in applicant's mark at least the syllable "Trans" is the more arbitrary portion of the mark, and that when considered as a whole the marks bear such near resemblance as to be likely to lead to confusion in trade.

EX PARTE LEON C. THOMAS, Serial No. 459,044.

In a decision rendered September 25, 1945 (166 Ms. Dec. 852, 67 USPQ 20), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Leon C. Thomas, of Greensboro, N. C., a trade-mark comprising the notation "Boar and Castle" printed in three lines, and the pictorial representations of a castle and a boar's head, appropriated to a meat sauce used on barbecue, pork, beef, mutton, fowl and all other types of meat, on the ground that it is confusingly similar to a prior registration disclosing the word "Castle" alone for various grocery items, among them being chili sauce and tomato catsup.

It was held that applicant's mark includes the whole of the registered mark, and his goods are broadly the same as those of the registration, so that concurrent use of the two marks on such goods would almost certainly lead to confusion.

EX PARTE SONOTONE CORPORATION, Serial No. 461,010.

In a decision rendered September 25, 1945 (166 Ms. Dec. 853, 67 USPQ 21), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Sonotone Corporation, of Elmsford, N. Y., the notation "Electronic Ear," under the provisions of the act of February 20, 1905, as a trade-mark for hearing-aid devices and elements and accessories thereof—namely, microphones, telephone receivers, bone receivers and amplifiers, the word "Electronic" being disclaimed, on the ground that the mark in its entirety is merely descriptive of the goods, since the goods are essentially an artificial ear.

It was held that "Electronic," manifestly the dominant portion of applicant's mark, is admittedly descriptive of applicant's goods, and the word "Ear" is no more capable of trade-mark significance in relation to a hearing aid than would be the word "eye" in relation to spectacles, or the word "foot" in relation to shoes, so that applicant's mark thus comprises two words that are nonregistrable separately, and their combination does not endow them with registrability.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 30, 1945

[Vol. 579. No. 5]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 471,733. THE COUNTY CHEMICAL COMPANY LIMITED, Shirley, England. Filed June 28, 1944.

CHEMICO

FOR ABRASIVE SOAPS, POLISHING PREPARATIONS AND MATERIALS IN THE FORM OF PASTES OF PUTTY-LIKE CONSISTENCY HAVING DETERGENT EFFECTS AND USED FOR SCOURING AND POLISHING.

Claims use since on or about the year 1906.

Ser. No. 482,597. SUTHO SUDS Co., Indianapolis, Ind. Filed Apr. 25, 1945.



FOR WASHING AND CLEANING COMPOUND.
Claims use since on or about Aug. 1, 1942.

Ser. No. 483,965. VICTOR FARR, Brooklyn, N. Y. Filed May 30, 1945.



All wording appearing on the drawing, with the exception of the word "Silverite," and the representation of the label is disclaimed.

FOR METAL POLISH SOLD IN READY-MIXED FORM.

Claims use since Apr. 14, 1944.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 469,200. CHARLES V. HORVATH, doing business as Vincent Chemical Company and Charles V. Horvath Company, South Bend, Ind. Filed Apr. 10, 1944.

MELOTONE

FOR PERMANENT WAVE SOLUTION.
Claims use since July 1, 1936.

Ser. No. 479,163. FRANK APPLESTEIN, doing business as Frederick Pharmaceutical Company, Baltimore, Md. Filed Jan. 30, 1945.

Mag-Ni-Caps

Applicant makes no claim to the exclusive use of the word "Caps" apart from the combination and arrangement as shown in the drawing.

FOR CAPSULES FOR THE TREATMENT OF HEAD-ACHES, GRIP, AND PAINS OF ALL DESCRIPTION.
Claims use since Dec. 7, 1944.

Ser. No. 481,185. FRANK A. KAISER, Wallington, N. J. Filed Mar. 22, 1945.

SAL-FAK

Without waiving any common law rights thereto, applicant disclaims a descriptive term "Sal" apart from the mark as shown.

FOR PREPARATION FOR SOOTHING AND ALLEVIATING INFLAMMATION CAUSED BY PILES AND VARICOSE VEINS.

Claims use since Feb. 28, 1945.

Ser. No. 481,338. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Mar. 26, 1945.

AMINORAL

FOR MEDICINAL PREPARATION IN POWDER FORM CONSISTING OF A COMBINATION OF AMINO ACIDS FOR THE TREATMENT OF HYPOPROTEIN-EMIA.

Claims use since Feb. 8, 1945.

Ser. No. 481,998. HOWARD L. JOHNSON, doing business as Glades Company, Homestead, Fla. Filed Apr. 11, 1945.

Thirous Vitamin

Without waiving any common law rights thereto, applicant disclaims exclusive use to the word "Vitamin" apart from the mark as shown.

FOR VITAMIN SYRUP CONCENTRATE FOR COMPOUNDING A GENERAL BODY-BUILDING TONIC.

Claims use since Sept. 1, 1944.

Ser. No. 482,053. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Apr. 12, 1945. Under section 5b of the act of 1905 as amended in 1920.



FOR DIMETHYLOUREA.
Claims use since July 29, 1941.

Ser. No. 482,679. C. E. HOFFMAN Co., Dallas, Tex. Filed Apr. 27, 1945.



Hedgeroe

FOR DRESSINGS AND LOTIONS FOR THE HAIR, AND AFTER SHAVE LOTION, SHAMPOO CREAM, AND OIL SHAMPOO.
Claims use since Feb. 15, 1945.

Ser. No. 482,761. JOHN L. PRIESS, Chicago, Ill. Filed Apr. 28, 1945.

SCHEHERAZADE

FOR PERFUME, COLOGNE, TOILET WATER, FACE POWDER, ROUGE, AND NAIL POLISH.
Claims use since July 5, 1941.

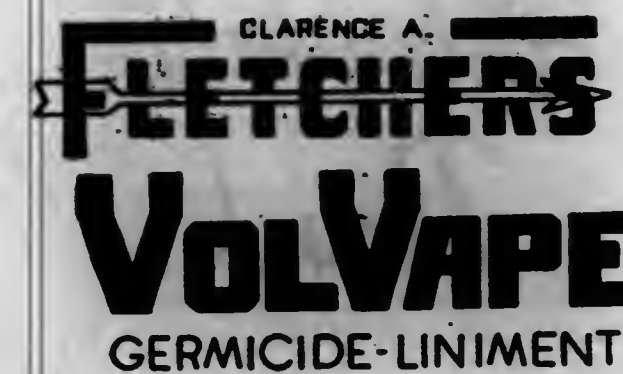
Ser. No. 483,336. PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed May 14, 1945.

Dee-D-Teen

The exclusive right to the letters "DDT" except insofar as they form a part of the mark as shown is disclaimed.
FOR AGRICULTURAL CHEMICALS HAVING INSECTICIDAL PROPERTIES.

Claims use since Apr. 27, 1945.

Ser. No. 483,769. CLARENCE A. FLETCHER, doing business as Fletcher Chemical Co., San Antonio, Tex. Filed May 25, 1945.

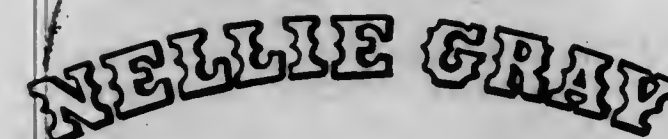


Applicant disclaims all wording appearing on the drawing except "Vol Vape" apart from the mark as shown.

FOR GERMICIDE LINIMENT FOR RELIEF OF ACHES, PAINS, MINOR INFECTIONS, INSECT STINGS, BURNS, BRUISES, TOOTHACHE, GAS PAINS, EAR INFECTIONS, CUTS, SWELLINGS, LUMBAGO, RHEUMATISM, NEURALGIA, MUSCULAR ACHES, COLDS, FLU, AND PNEUMONIA.

Claims use since December 1944.

Ser. No. 483,853. GRAY AND GRAY, Venice, Calif. Filed May 28, 1945.



The trade-mark consists of the name of a Negro slave made famous in our history by a song written by B. R. Hanby.

FOR PREPARATION FOR STERILIZING GLASSWARE, HAVING INCIDENTAL CLEANING PROPERTIES; A STERILIZING PREPARATION FOR GENERAL USE HAVING INCIDENTAL CLEANING PROPERTIES; AND AN AFTER SHAVE LOTION.

Claims use since May 5, 1945.

Ser. No. 483,898. CARROLL, LOMBARDI PHARMACY, INC., New York, N. Y. Filed May 29, 1945.

Carbard

The mark consists of the word "Carbard".

FOR THROAT GARGLE.

Claims use since March 1944.

Ser. No. 484,170. HAAS-MILLER CORPORATION, Philadelphia, Pa. Filed June 5, 1945.

AQUATAIN

FOR SOFTENING AND HYGROSCOPIC AGENT TO BE ADDED TO SIZING MIXTURES FOR THE PURPOSE OF ABSORBING AND RETAINING MOISTURE IN TEXTILE SIZES.

Claims use since May 3, 1945.

579 O. G.—47

Ser. No. 484,291. COTY, INC., New York, N. Y. Filed June 8, 1945.

FACE-O-GRAPH

The word "Face" is disclaimed apart from the mark as shown.

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, AND ROUGES.

Claims use since May 1, 1945.

Ser. No. 484,308. LANMAN & KEMP-BARCLAY & Co. INCORPORATED, New York, N. Y. Filed June 8, 1945.

RESTLESS

FOR PERFUMES; TOILET WATER; TALCUM POWDER; FACE POWDER; DUSTING POWDER; SACHET POWDER; AND TOILET CREAMS.

Claims use since May 23, 1945.

Ser. No. 484,309. LANMAN & KEMP-BARCLAY & Co. INCORPORATED, New York, N. Y. Filed June 8, 1945.

1808

FOR PERFUME; TOILET WATER; TALCUM POWDER; FACE POWDER; DUSTING POWDER; SACHET POWDER; AND TOILET CREAMS.

Claims use since May 23, 1945.

Ser. No. 484,313. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed June 8, 1945.



FOR SOLVENT FOR GENERAL USE IN THE INDUSTRIAL ARTS, INCLUDING USE IN INSECTICIDES, PAINTS, AND PAINT AND VARNISH REMOVERS.

Claims use since about May 29, 1945.

Ser. No. 484,534. WILLIAM J. LENZ, doing business as Lenz Testing Laboratories, Louisville, Ky. Filed June 14, 1945.



FOR ENERGIZING PREPARATION OR CHEMICAL TO BE ADDED TO FUELS ESPECIALLY ADAPTED FOR USE IN INTERNAL COMBUSTION ENGINES.

Claims use since May 1945.

Ser. No. 484,698. **PENNY & KIMBERRY**, Great Barrington, Mass. Filed June 18, 1945.

Kim-Pee

FOR LINIMENT USED IN THE TREATMENT OF ARTHRITIS, RHEUMATISM, NEURALGIA, SPRAINS, STRAINED LIGAMENTS, POISON IVY, ATHLETE'S FOOT, INSECT BITES, SUNBURN, AND SORE THROAT. Claims use since May 19, 1945.

Ser. No. 484,844. **FRANK KOENIGSBERGER**, doing business as Oreon Parfumeur, New York, N. Y. Filed June 21, 1945.

OREON

FOR AFTER SHAVING LOTION, TOILET WATER, FACE AND BODY POWDER, PERFUME, AND BATH SALTS. Claims use since June 6, 1945.

Ser. No. 484,981. **L. SONNEBORN SONS, INC.**, New York, N. Y. Filed June 23, 1945.

CORDUROL

FOR LIQUID COMPOSITION FOR THE LUBRICATION AND PROCESSING OF CORDAGE, TWINE, AND LIKE MATERIALS. Claims use since Apr. 15, 1928.

Ser. No. 484,982. **L. SONNEBORN SONS, INC.**, New York, N. Y. Filed June 23, 1945.

GLUANTINE

FOR WARPSIZING ASSISTANT AND COTTON SOFTENING COMPOSITION. Claims use since October 1916.

Ser. No. 484,983. **L. SONNEBORN SONS, INC.**, New York, N. Y. Filed June 23, 1945.

LACTONATE

FOR PETROLEUM SULFONATES. Claims use since Mar. 10, 1943.

Ser. No. 485,028. **LUCIEN LELONG, INC.**, Chicago, Ill. Filed June 25, 1945.

PAPOTAGE

FOR PERFUME. Claims use since June 11, 1945.

Ser. No. 485,099. **PRIMROSE HOUSE, INC.**, New York, N. Y. Filed June 27, 1945.

Flowery Bank

FOR NAIL POLISH, LIPSTICK, ROUGE, EYE SHADOW, SACHETS, HAIR SHAMPOO, HAIR TONIC, LEG MAKE-UP, TALCUM POWDER, FACE POWDER, DUSTING POWDER, MAKE-UP CREAM, DEODORANT, ASTRINGENT, PERFUME, COLOGNE, AFTER-SHAVING LOTION, BATH SALTS, BATH OILS, HAND LOTION, HAND CREAM, TOILET WATER, MASCARA, EYEBROW AND EYELASH DARKENER, BUBBLE BATH, EYEBROW PENCIL, LIP POMADE, AND FACE LOTIONS AND OILS. Claims use since June 5, 1945.

Ser. No. 485,124. **AYERST, McKENNA & HARRISON LIMITED**, New York, N. Y. Filed June 28, 1945.

SECULE

FOR FILLED CONTAINERS OF MEASURED UNITS OF STAPHYLOCOCCUS TOXOID, ENDOTOXOID-VACCINE, INJECTABLE VITAMINS, HORMONES, AND ANTIPTERTUSSIS SERUM. Claims use since Apr. 30, 1945.

Ser. No. 485,133. **COTY, INC.**, New York, N. Y. Filed June 28, 1945.

SALMAGUNDI

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES. Claims use since June 4, 1945.

Ser. No. 485,189. **ASSOCIATED PRODUCTS, INC.**, Chicago, Ill. Filed June 29, 1945.

CREMEPUFF

FOR SHAMPOO. Claims use since Dec. 1, 1944.

Ser. No. 485,206. **THE FARASTAN COMPANY**, Philadelphia, Pa. Filed June 29, 1945.

HALOSTEROL

FOR VITAMIN D-IODINE COMBINATION FOR TREATMENT OF ARTHRITIS. Claims use since May 21, 1945.

Ser. No. 485,219. **RICHARD HUDNUT**, New York, N. Y. Filed June 29, 1945.

CLARION

FOR LIPSTICK. Claims use since June 5, 1945.

Ser. No. 485,230. **MARATHON CORPORATION**, Rothschild, Wis. Filed June 29, 1945.

MARASPERSE

FOR DISPERSING AGENTS CONSISTING OF LIGNIN SULPHONIC ACID COMPOUNDS. Claims use since June 13, 1945.

Ser. No. 485,242. **RARE CHEMICALS, INC.**, Harrison, N. J. Filed June 29, 1945.

MENTHYVAL

FOR SEDATIVE AND RESTORATIVE. Claims use since June 6, 1945.

Ser. No. 485,253. **WALLACE LABORATORIES, INC.**, New Brunswick, N. J. Filed June 29, 1945.

CASEDOMATE

FOR MEDICINAL PREPARATION FOR THE RELIEF OF HEADACHES, COLDS, AND PAIN DUE TO OTHER CAUSES. Claims use since June 19, 1945.

Ser. No. 485,579. **LEDERLE LABORATORIES, INC.**, New York, N. Y. Filed July 9, 1945.

KASPOMIN

FOR MEDICINAL PREPARATION CONTAINING VITAMIN K FOR USE IN THE TREATMENT OF VITAMIN K DEFICIENCIES. Claims use since Oct. 29, 1942.

CLASS 10

FERTILIZERS

Ser. No. 484,996. **ASECRAFT-WILKINSON COMPANY**, Atlanta, Ga. Filed June 25, 1945.

NITRAPRILLS

FOR AMMONIUM NITRATE FERTILIZERS. Claims use since July 12, 1943.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 478,798. **AGENCY PAPER COMPANY**, New York, N. Y. Filed Jan. 20, 1945.



FOR CARBON PAPER AND TYPEWRITER RIBBONS. Claims use since Jan. 5, 1945.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 464,319. **RIEKE METAL PRODUCTS CORPORATION**, Auburn, Ind. Filed Oct. 21, 1943.

VISEGRIP

FOR CLOSURES, FLANGES, WASHERS, CAPS, BUNGS, PLUGS, BUSHINGS, SEALING RINGS, AND SEALS, INTERNAL AND EXTERNAL, FOR METAL AND OTHER MATERIAL CONTAINERS, SUCH AS DRUMS, BARRELS, AND CANS. Claims use since Sept. 3, 1943.

Ser. No. 464,997. **IMPERIAL MOLDED PRODUCTS CORPORATION**, Chicago, Ill. Filed Nov. 15, 1943.



FOR PLASTIC MOLDED KNOBS, HANDLES, PULLS, PUSH AND FACE PLATES, AND TURN BUTTONS FOR LIDS, DOORS, DRAWERS, FURNITURE, AND GENERAL USE, AND FURNITURE CASTER WHEELS. Claims use since April 1926.

Ser. No. 479,312. **THE SILEX COMPANY**, Hartford, Conn. Filed Feb. 1, 1945.

PRESTO-LIFT

The word "Lift" is disclaimed apart from the mark as shown. FOR HANDLES, PARTICULARLY INTENDED FOR COFFEE MAKERS. Claims use since Jan. 23, 1945.

Ser. No. 480,743. THE DURIRON COMPANY, INC., Dayton, Ohio. Filed Mar. 10, 1945.

DURCO

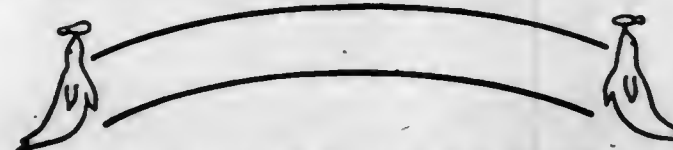
FOR PLUMBING AND STEAM-FITTING SUPPLIES—NAMESLY, COCKS, JETS, METAL PIPES, PIPE FITTINGS, NOZZLES, FLUID CONTROL VALVES, TUBES FOR THE USE IN DISTILLING AND CONCENTRATING APPARATUS, EJECTORS, FLOOR DRAINS, FUME DUCTS, SINK, SINK STRAINERS AND TRAPS.

Claims use since January 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 461,769. THE OHIO BOWLING AND BILLIARD SUPPLY COMPANY, Cleveland, Ohio. Filed June 30, 1943.



FOR BOWLING ALLEY AND PIN SURFACE TREATING COMPOUNDS, BOWLING ALLEY APPROACH AND SEAL COMPOUNDS, CLEAR AND PIGMENTED, BOWLING PIN SEALING COMPOUNDS, ALL BEING LARGELY NITROCELLULOSE LACQUERS, AND THINNER SOLUTIONS FOR THE ABOVE PRODUCTS.

Claims use since June 14, 1943.

Ser. No. 472,385. THE KINDT-COLLINS COMPANY, Lakewood, Ohio. Filed July 19, 1944.

MASTER PAT-KOTE

The hyphenated words "Pat-Kote" are disclaimed apart from the mark as shown in the drawing.

FOR PROTECTIVE COATING FOR WOOD PATTERNS AND CORE BOXES.

Claims use since Mar. 1, 1943.

Ser. No. 482,866. THE JOHN P. COCHRAN COMPANY, Cleveland, Ohio. Filed May 2, 1945.



No claim is made to the words apart from the mark as shown.

FOR PASTE AND READY-MIXED PAINTS, VARNISHES, PAINT ENAMELS, LACQUERS, AND STAIN AND GLOSS FINISHES.

Claims use since Apr. 21, 1945.

Ser. No. 483,115. S. OPPENHEIM, INC., New York, N. Y. Filed May 8, 1945.

SANOLITE

FOR DRY, RESIN EMULSION AND READY MIXED PAINTS, PAINT ENAMELS, STAINS, LACQUERS, AND VARNISHES.

Claims use since May 1, 1941.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 485,723. DEAMICIS CIGAR CO., doing business as Deamicis Cigar Company, Philadelphia, Pa. Filed July 12, 1945.

AMICIS

FOR CIGARS.

Claims use since on or about June 6, 1944.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 486,844. FRED ARBOGAST, Akron, Ohio. Filed Aug. 7, 1945.

HULA SKIRTS

FOR ARTIFICIAL FISH BAIT.

Claims use since Dec. 1, 1935.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 482,786. COLES TECT-EARS CO., Pine Bluff, Ark. Filed Apr. 30, 1945.

"TECT-EARS"

Applicant disclaims exclusive use of the word "Ears" apart from the mark as shown.

FOR PROTECTIVE COVER FOR METAL TEMPLE PIECES OF SPECTACLES.

Claims use since April 1937.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 485,871. KLUSTAR JEWELRY CO., New York, N. Y. Filed July 16, 1945.

FIRST LADY

FOR FINGER RINGS.

Claims use since Jan. 5, 1945.

CLASS 33

GLASSWARE

Ser. No. 473,952. NATIONAL SILVER COMPANY, New York, N. Y. Filed Sept. 7, 1944.



The words "Hollywood Craftsmen" are disclaimed apart from the mark as shown. Applicant is the owner of registrations No. 397,340 and No. 416,894.

FOR ARTICLES MADE OF GLASS—TO WIT, VASES, TUMBLERS, PITCHERS, BOTTLES, LIQUOR SETS, WINE SETS, PERFUME BOTTLES, PERFUME TRAYS, MARMALADE JARS AND CANDY BOXES.

Claims use since Sept. 1, 1945.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 485,681. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Filed July 11, 1945.



FOR INDUSTRIAL FURNACES FOR HEAT TREATING, HARDENING, CARBURIZING, ANNEALING, AND TEMPERING METALS.

Claims use since May 21, 1945.

CLASS 37

PAPER AND STATIONERY

Ser. No. 485,413. S. S. KRESGE COMPANY, Detroit, Mich. Filed July 3, 1945.



FOR PACKAGED WRITING PAPER AND ENVELOPES.

Claims use since June 12, 1944.

Ser. No. 485,516. ST. REGIS PAPER COMPANY, New York, N. Y. Filed July 6, 1945.



FOR WRITING PAPER.

Claims use since about May 14, 1945.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 482,408. WILLIAMSBURG PUBLISHING CO. INC., New York, N. Y. Filed Apr. 20, 1945.



No claim is made to the word "Greeting" apart from the mark as shown.

FOR GREETING CARDS.

Claims use since Feb. 5, 1945.

CLASS 39

CLOTHING

Ser. No. 482,730. CATALINA INC., Los Angeles, Calif. Filed Apr. 28, 1945.



FOR PLAY-SUITS, BLOUSES, ATHLETIC TRUNKS AND BRASSIERES, MEN'S AND WOMEN'S SPORT SHIRTS AND KNITTED OUTER GARMENTS—NAMELY, COATS, JACKETS, AND VESTS.

Claims use since Sept. 12, 1928.

Ser. No. 484,818. **BENROSS FABRICS CORPORATION**, New York, N. Y. Filed June 21, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

A Benross Fabric

The word "Fabric" is disclaimed apart from the mark shown on the drawing.

FOR LADIES', MISSES', AND GIRLS' DRESSES, BLOUSES, PLAYSUITS, PINAFORES, AND SKIRTS.

Claims use since Mar. 4, 1924.

Ser. No. 484,962. **LUSTBERG, NAST & Co., INC.**, New York, N. Y. Filed June 23, 1945.



The picture of the man shown on the drawing is a fanciful one. No registration rights are claimed herein for the words "Buck" or "Joe" except in association with the mark as a whole, no common law or other rights, however, in either of said words, being waived.

FOR MEN'S, BOYS', AND WOMEN'S RAINCOATS AND FINGERTIP COATS; MEN'S AND WOMEN'S SLACKS; AND MEN'S AND BOYS' LOAFER COATS AND LUMBERJACKS.

Claims use since June 14, 1944.

Ser. No. 485,018. **HART, SCHAFFNER & MART**, Chicago, Ill. Filed June 25, 1945.

"Caern"

FOR MEN'S AND BOYS' SUITS, COATS, OVERCOATS, TOPCOATS, VESTS, TROUSERS, KNICKERBOCKERS, AND BREECHES, AND WOMEN'S COATS, OVERCOATS, TOPCOATS, AND SKIRTS.

Claims use since June 9, 1945.

Ser. No. 485,156. **RAINBOW CHILDREN DRESS Co.**, New York, N. Y. Filed June 28, 1945.

W/NIKIDS

FOR GIRLS' AND CHILDREN'S DRESSES, PINAFORES, BLOUSES, SKIRTS, AND DRESS AND JACKET ENSEMBLES.

Claims use since Dec. 29, 1944.

Ser. No. 485,157. **REN-ETA GOWNS INC.**, New York, N. Y. Filed June 28, 1945.

ALMONETA

FOR MISSES', LADIES', AND JUNIOR DRESSES.

Claims use since Apr. 1, 1945.

Ser. No. 485,162. **ISIDORE SMITH**, New York, N. Y. Filed June 28, 1945.

NORM-CLO

FOR LADIES' AND MISSES' COATS, SUITS, JACKETS, SKIRTS, AND COAT AND SUIT ENSEMBLES.

Claims use since July 13, 1944.

Ser. No. 485,305. **PETER PAN FOUNDATIONS, INC.**, New York, N. Y. Filed June 30, 1945.

Carousel

FOR BRASSIERE.

Claims use since June 20, 1945.

Ser. No. 485,840. **SEEGULL MANUFACTURING COMPANY**, Philadelphia, Pa. Filed July 14, 1945.

SEEGULL

FOR MEN'S UNDERWEAR.

Claims use since on or about July 1, 1918.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 479,841. **CHARLES C. EDINGER**, doing business as Charles C. Edinger Company, Brooklyn, N. Y. Filed Feb. 15, 1945.

ZEPHYR

FOR ARCH SUPPORTS.

Claims use since January 1943.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 473,678. **E. C. RICH, INC.**, New York, N. Y. Filed Aug. 28, 1944.

FRUITS OF VICTORY

The word "Fruits" is disclaimed apart from the mark. FOR GLACED, DRIED, AND SUGARED FRUIT CONFECTIONS INCLUDING DATES, FIGS, PRUNES, APRICOTS, CUMQUATS, MELON RINDS, GRAPE-FRUIT PEEL, LEMON PEEL, ORANGE PEEL, CITRUS, AND GINGER.

Claims use since Dec. 15, 1941.

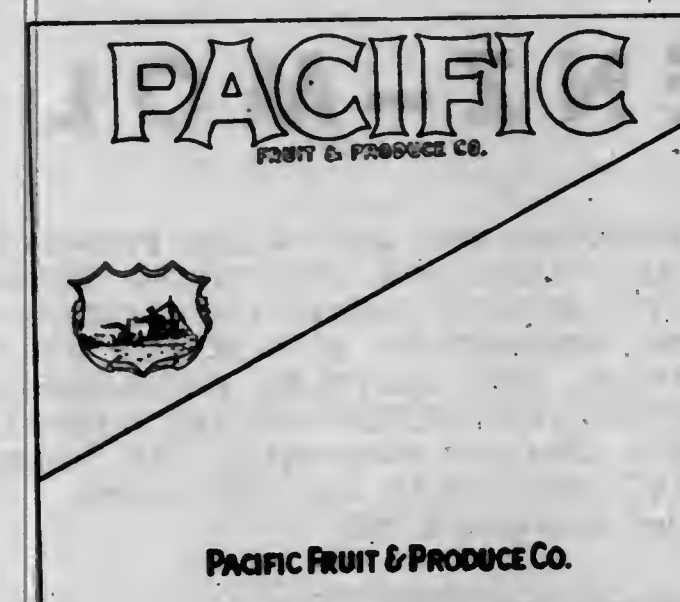
Ser. No. 475,207. **INTERSTATE BAKERIES CORPORATION**, doing business as Schulze Baking Company, Kansas City, Mo.; Chicago, Peoria, and Springfield, Ill.; Cincinnati, Ohio; Omaha, Nebr.; Grand Rapids, Mich.; and Des Moines, Iowa. Filed Oct. 11, 1944.

Butter-Nut

Applicant is the owner of Reg. Nos. 88,426 and 411,831. FOR BREAD.

Claims use since Sept. 2, 1935 for mark as shown; and since 1902 for "Butter-Nut."

Ser. No. 475,452. **PACIFIC GAMBLE ROBINSON Co.**, Seattle, Wash. Filed Oct. 18, 1944.



No claim is made to the words "Fruit & Produce Co." or to the representation of the label apart from the mark. FOR FRESH DECIDUOUS FRUITS.

Claims use since 1909.

Ser. No. 475,597. **BAKKER & RUS SEED AND FEED COMPANY**, Pella, Iowa. Filed Oct. 23, 1944.

WIZARD

FOR WHEAT FLOUR.

Claims use since July 1920.

Ser. No. 482,685. **THE W. L. MAXSON CORPORATION**, New York, N. Y. Filed Apr. 27, 1945.

Sky Plate

The word "Plate" is disclaimed apart from the mark shown.

FOR PREPARED MEALS, CONSISTING OF MEATS, VEGETABLES, STEWS, EGGS, SALADS, SAUCES, FRUITS, BREAD, PUDDINGS, AND THE LIKE.

Claims use since Apr. 2, 1945.

Ser. No. 482,686. **THE W. L. MAXSON CORPORATION**, New York, N. Y. Filed Apr. 27, 1945.



The representation of the man and woman is fanciful. No claim is made for the representation of the plate of food apart from the mark shown.

FOR PREPARED MEALS, CONSISTING OF MEATS, VEGETABLES, STEWS, EGGS, SALADS, SAUCES, FRUITS, BREAD, PUDDINGS, AND THE LIKE.

Claims use since Apr. 2, 1945.

Ser. No. 482,687. **THE W. L. MAXSON CORPORATION**, New York, N. Y. Filed Apr. 27, 1945.



FOR PREPARED MEALS, CONSISTING OF MEATS, VEGETABLES, STEWS, EGGS, SALADS, SAUCES, FRUITS, BREAD, PUDDINGS, AND THE LIKE.

Claims use since Apr. 2, 1945.

Ser. No. 484,515. ALLIED FOODS, Los Angeles, Calif. Filed June 14, 1945.



The drawing is lined to indicate green.
FOR PICKLES.
Claims use since Dec. 20, 1943.

Ser. No. 485,031. ROOPER BROS. INC., Winter Garden, Fla. Filed June 25, 1945.

TRUE FRIENDS

FOR FRESH CITRUS FRUITS.
Claims use since Jan. 14, 1939.

Ser. No. 485,062. JAMES P. SMITH & COMPANY, INC., New York, N. Y. Filed June 26, 1945. Under ten-year proviso.

BARTON

FOR CAPERS, CANNED MUSHROOMS, CANNED PEAS, ALIMENTARY PASTES, AND TRUFFLES.
Claims use since 1887.

Ser. No. 486,178. TERMINAL ISLAND SEA FOODS, LTD., Terminal Island, Calif. Filed July 23, 1945.

VALID

FOR CANNED FISH—NAMELY, TUNA SPREAD.
Claims use since September 1934.

CLASS 47

WINES

Ser. No. 486,903. HORACE O. LANZA, San Francisco, Calif. Filed Aug. 8, 1945.



The notation "H. O. Lanza" comprises the signature of applicant.
FOR WINES.
Claims use since June 30, 1939.

Ser. No. 486,909. LUCIEN ARDIN, INC., New York, N. Y. Filed Aug. 8, 1945.

BELLA COLLINA

FOR WINES.
Claims use since 1902.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 486,655. BREWERS SCIENTIFIC LABORATORIES, Rahway, N. J. Filed Aug. 3, 1945.

ENZ-MOL

FOR COMPOUND FOR USE IN THE BREWING OF BEERS AND ALES FOR INCREASING EXTRACT YIELDS; FOR SHORTENING THE CONVERSION PERIODS; FOR PREVENTING STARCH AND PROTEIN TURBIDITIES; FOR REDUCING CHILL-PROOFING CONSUMPTION; FOR INCREASING THE SHELF-LIFE OF BREWS; AND FOR RENDERING THE FINISHED BEERS AND ALES CLEAR AND BRILLIANT.
Claims use since Jan. 2, 1941.

Ser. No. 486,656. BREWERS SCIENTIFIC LABORATORIES, Rahway, N. J. Filed Aug. 3, 1945.

NUSOL

FOR INHIBITOR COMPOUND FOR USE IN BEERS, ALES, AND YEASTS FOR RETARDING THE GROWTH OF BACTERIA, MOLD, AND FUNGI; FOR IMPROVING THE AROMA AND FLAVOR OF BEER AND ALES, AND FOR INCREASING THE BIOLOGICAL STABILITY THEREOF.
Claims use since July 5, 1943.

Ser. No. 486,657. BREWERS SCIENTIFIC LABORATORIES, Rahway, N. J. Filed Aug. 3, 1945.

NUZAN

FOR CONCENTRATED COMPOUND OF HYDROLYZED SOLUBLE PROTEINS AND AMINO ACIDS FOR PRODUCING FOAM STABILITY AND BODY IN BREWING OF BEERS AND ALES.
Claims use since July 25, 1936.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 486,814. RON ZORRO DISTILLERS, St. Thomas, V. I. Filed Aug. 6, 1945.

Carousel

FOR RUM.
Claims use since July 16, 1945.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 481,193. CLEMENS SCHEUER, doing business as Scheuer Mfg. Co., New York, N. Y. Filed Mar. 22, 1945.



FOR STAND FIXTURES TO SUPPORT MERCHANDISE FOR STORE AND WINDOW DISPLAY.
Claims use since April 1934.

Ser. No. 484,116. HENRIETTA A. BIERWERT, doing business as The Retko Products Company, Maplewood, N. J. Filed June 4, 1945.

Adapto

FOR FLOWER HOLDERS—NAMELY, A FRAME FOR SUPPORT OF CUT FLOWERS WITHIN A VASE.
Claims use since Oct. 31, 1944.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

OCTOBER 30, 1945

- 417,408. FEED FOR ANIMALS—NAMES, FEED FOR SWINE, FEED FOR POULTRY, FEED FOR TURKEYS, ETC. GENERAL MILLS, INC., Minneapolis, Minn.
Filed January 22, 1942. Serial No. 450,395. PUBLISHED AUGUST 14, 1945. Class 46.
- 417,409. OXIDES AND HYDRATES OF ALKALINE EARTHS; CALCIUM CARBONATE AND CALCIUM SULFATE. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed July 21, 1943. Serial No. 462,213. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,410. PICKLED CHILES AND SPICED PICKLED CUCUMBERS. ALLIED FOODS, Los Angeles, Calif.
Filed January 17, 1944. Serial No. 466,631. PUBLISHED MARCH 14, 1944. Class 46.
- 417,411. POULTRY FEEDS—NAMES, BROILER FEEDS. HARPER FEED MILLS, INC., Pittsburgh, Pa.
Filed February 2, 1944. Serial No. 467,095. PUBLISHED AUGUST 21, 1945. Class 46.
- 417,412. BEER. WAUSAU BREWING COMPANY, Wausau, Wis.
Filed February 10, 1944. Serial No. 467,327. PUBLISHED AUGUST 7, 1945. Class 48.
- 417,413. CANNED FRUITS AND VEGETABLES, FRESH VEGETABLES, AND FRESH FRUITS—NAMES, CITRUS FRUITS, GRAPES, MELONS, AND PINEAPPLES. SAN DIEGO PACKING CORPORATION, San Diego del Valle, Province of Las Villas, Cuba.
Filed February 21, 1944. Serial No. 467,618. PUBLISHED AUGUST 21, 1945. Class 46.
- 417,414. CAPSULES CONTAINING PRINCIPALLY SYNTHETIC VITAMIN K. WALKER VITAMIN PRODUCTS, INC., Mount Vernon, N. Y.
Filed February 28, 1944. Serial No. 467,833. PUBLISHED OCTOBER 17, 1944. Class 6.
- 417,415. RAW CORK AND CUT CORK. MUNDET CORK CORPORATION, Brooklyn, N. Y.
Filed March 9, 1944. Serial No. 468,121. PUBLISHED AUGUST 21, 1945. Class 1.
- 417,416. FACIAL CREAMS, FACE LOTIONS, FACE POWDERS, FACE ROUGE, HAND CREAM, HAND LOTION, LIPSTICK, PERFUMES, FOOT CREAMS, FOOT POWDERS, HAIR OILS, NAIL POLISH, AND NAIL POLISH REMOVER. JAMES B. WILLARD, doing business as Richard Mariann, Chicago, Ill.
Filed April 5, 1944. Serial No. 469,070. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,417. INSECTICIDES. H. A. ASTLETT & Co., New York, N. Y.
Filed April 7, 1944. Serial No. 469,104. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,418. FILTER PAPERS, FILTER PULP, FILTER AND EXTRACTION THIMBLES, FILTER CUPS, AND FILTER PAPER SUPPORTS. CARL SCHLEICHER & SCHUBEL COMPANY, INC., New York, N. Y.
Filed April 28, 1944. Serial No. 469,788. PUBLISHED AUGUST 21, 1945. Class 31.
- 417,419. OIL-SOLUBLE SURFACE ACTIVE CHEMICAL COMPOSITIONS OF THE SUBSTITUTED OXAZOLINE CLASS FOR SUCH USES AS EMULSIFYING AND DISPERSING AGENT, PENETRANT, AND CORROSION INHIBITOR, AND FOR ARTICLES OF MANUFACTURE IN THE INDUSTRIAL ARTS GENERALLY. COMMERCIAL SOLVENTS CORPORATION, New York, N. Y.
Filed May 17, 1944. Serial No. 470,330. PUBLISHED AUGUST 21, 1945. Class 6.

- 417,420. HOUSEHOLD FURNITURE MADE PARTIALLY OR WHOLLY OF PLASTICS—NAMES, BEDS, DRESSERS, TABLES, DRESSING TABLES, VANITY TABLES, ETC. CAMDEN FURNITURE COMPANY, Camden, Ark.
Filed May 20, 1944. Serial No. 470,435. PUBLISHED AUGUST 21, 1945. Class 32.
- 417,421. HOP CONCENTRATE IN THE FORM OF LIQUID OR POWDER FOR USE IN MAKING MALT BEVERAGES. CARL A. FUTTER, doing business as Kenwood Laboratory, Chicago, Ill.
Filed May 20, 1944. Serial No. 470,445. PUBLISHED AUGUST 7, 1945. Class 48.
- 417,422. JACKETS, BLOUSES, AND COATS FOR MEN AND WOMEN. CURRICK & LEIKEN CO. INC., New York, N. Y.
Filed May 23, 1944. Serial No. 470,528. PUBLISHED AUGUST 21, 1945. Class 39.
- 417,423. MISSES' AND WOMEN'S JACKETS. JOE KORET, doing business as Koret of California, San Francisco, Calif.
Filed June 7, 1944. Serial No. 470,979. PUBLISHED AUGUST 21, 1945. Class 39.
- 417,424. RODS, TUBES, AND FORMS MADE OF HARD OR FLEXIBLE ELECTRIC INSULATION MATERIAL AND USED AS ELECTRICAL INSULATORS. INDUSTRIAL SYNTHETICS CORPORATION, Irvington, N. J.
Filed June 16, 1944. Serial No. 471,309. PUBLISHED AUGUST 21, 1945. Class 21.
- 417,425. ELECTRICAL DRIERS FOR FINGER NAIL ENAMEL. LEON A. W. PERRAUD, Los Angeles, Calif.
Filed June 20, 1944. Serial No. 471,455. PUBLISHED AUGUST 21, 1945. Class 44.
- 417,426. EDIBLE STARCH AND PARTICULARLY THIN BOILING STARCH SOLD TO CONFECTIONERS. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill.
Filed June 23, 1944. Serial No. 471,576. PUBLISHED AUGUST 21, 1945. Class 46.
- 417,427. RUM. COMPANIA AGRICOLA INDIARRA, S. A., Cardenas, Cuba.
Filed July 6, 1944. Serial No. 471,944. PUBLISHED AUGUST 14, 1945. Class 49.
- 417,428. SILVER PLATED FLAT TABLEWARE. EMPIRE CRAFTS CORPORATION, Newark, N. Y.
Filed July 27, 1944. Serial No. 472,666. PUBLISHED AUGUST 21, 1945. Class 28.
- 417,429. SILVER PLATED FLAT TABLEWARE. EMPIRE CRAFTS CORPORATION, Newark, N. Y.
Filed July 27, 1944. Serial No. 472,667. PUBLISHED AUGUST 21, 1945. Class 28.
- 417,430. ANTISEPTIC AND DEODORANT PREPARATION IN POWDER FORM FOR THE TREATMENT AND PREVENTION OF DERMATITIS, PARTICULARLY IN CHILDREN. FAIRFIELD LABORATORIES, INC., Plainfield, N. J.
Filed August 5, 1944. Serial No. 472,974. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,431. PORT WINE. OSCAR J. WILE & COMPANY, New York, N. Y.
Filed August 8, 1944. Serial No. 473,080. PUBLISHED AUGUST 7, 1945. Class 47.

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- 417,432. DRESSERS, COOKS' TABLES, DISH TABLES, SERVING COUNTERS, REFRESHMENT BARS, COUNTERS, BOOTHS, AND REFRESHMENT BACK BARS. MANGRUM HOLBROOK & ELKUS, San Francisco, Calif.
Filed August 21, 1944. Serial No. 473,473. PUBLISHED AUGUST 21, 1945. Class 32.
- 417,433. BIOLOGICAL CALCIUM FOR USE IN MEDICINES AND FOODS. MARIO CONTESSO, doing business as Contesso Products, New York, N. Y.
Filed August 31, 1944. Serial No. 473,772. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,434. SHAMPOO. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed October 10, 1944. Serial No. 475,164. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,435. SUBSTITUTE FOR LEMON JUICE TO BE USED FOR MAKING COLD DRINKS. WILLIAM FEAN, doing business as Wm. Fean Products Co., Columbus, Ohio.
Filed October 17, 1944. Serial No. 475,388. PUBLISHED AUGUST 7, 1945. Class 45.
- 417,436. UNITARY PORTABLE HAND-OPERATED WELD DESTROYING BURNERS AND DISINFECTING TORCHES. KER-O-KIL MANUFACTURING CO., Redwood City, Calif.
Filed October 24, 1944. Serial No. 475,656. PUBLISHED AUGUST 14, 1945. Class 23.
- 417,437. COFFEE MALTED MILK IN POWDERED FORM. CONTINENTAL COFFEE COMPANY, Chicago, Ill.
Filed October 30, 1944. Serial No. 475,840. PUBLISHED AUGUST 21, 1945. Class 46.
- 417,438. PREPARATION FOR RINGWORM, SOMETIMES CALLED ATHLETE'S FOOT. SARA MASON, doing business as Kerodin Products Co., Chicago, Ill.
Filed October 30, 1944. Serial No. 475,859. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,439. MATRICES. MERTZHALER LINOTYPE COMPANY, Brooklyn, N. Y.
Filed November 1, 1944. Serial No. 475,964. PUBLISHED AUGUST 14, 1945. Class 50.
- 417,440. BISCUITS FOR CHILDREN BEING RUSKS OTHER THAN CHOCOLATE COVERED RUSKS. BICKETTES LIMITED, Hertfordshire, England.
Filed November 29, 1944. Serial No. 477,000. PUBLISHED AUGUST 21, 1945. Class 46.
- 417,441. DAIRY PRODUCTS—NAMES, ICE CREAM. ARDEN FARMS CO., Los Angeles, Calif.
Filed December 6, 1944. Serial No. 477,252. PUBLISHED AUGUST 21, 1945. Class 46.
- 417,442. SYNTHETIC STONES HAVING THE APPEARANCE OF PRECIOUS OR SEMI-PRECIOUS STONES MADE IN VARIOUS SHAPES, SIZES, AND COLORS, AND USED FOR SETTINGS IN RINGS, BROOCHES, PINS, AND SIMILAR ARTICLES WHERE STONES OF THIS TYPE ARE GENERALLY USED. CECIL R. WILKINS, Miami, Fla.
Filed December 8, 1944. Serial No. 477,341. PUBLISHED AUGUST 21, 1945. Class 28.
- 417,443. MAGAZINE. BILBARA PUBLISHING COMPANY, INC., New York, N. Y.
Filed December 12, 1944. Serial No. 477,457. PUBLISHED MARCH 27, 1945. Class 38.
- 417,444. FIBROUS WADDING OR BATTING MADE PRINCIPALLY FROM COTTON, CELLULOSE, OR SYNTHETIC FIBERS AND USED PRINCIPALLY FOR WRAPPING, PACKING, OR PADDING. JOHNSON & JOHNSON, New Brunswick, N. J.
Filed December 13, 1944. Serial No. 477,514. PUBLISHED AUGUST 14, 1945. Class 50.
- 417,445. WEDDING AND ENGAGEMENT RINGS. CHARLES R. DRUCKER, doing business as Bliss Ring Company, Chicago, Ill.
Filed December 23, 1944. Serial No. 477,871. PUBLISHED AUGUST 21, 1945. Class 28.

- 417,446. AFTER SHAVE LOTIONS AND EMOLLIENTS FOR USE AFTER SHAVING, COLOGNE, FACE LOTIONS AND EMOLLIENTS, TALCUM POWDER, HAIR TONIC, SHAMPOOS, HAIR OIL, HAIRDRESSING AND HAND LOTIONS, AND DEODORANTS. MAURICE HANDMAN, New York, N. Y.
Filed December 28, 1944. Serial No. 477,882. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,447. CELLULOSE SAUSAGE CASINGS. THE VICKING CORPORATION, Chicago, Ill.
Filed January 4, 1945. Serial No. 478,262. PUBLISHED AUGUST 21, 1945. Class 2.
- 417,448. PITUITARY PREPARATION. E. S. MILLER LABORATORIES, INC., Los Angeles, Calif.
Filed January 1, 1945. Serial No. 478,134. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,449. FRUIT-FLAVORED, NON-ALCOHOLIC SIRUPS, CONCENTRATES AND EXTRACTS FOR BEVERAGE-MIXING PURPOSES. DELL PRODUCTS CORPORATION, Newark, N. J.
Filed January 11, 1945. Serial No. 478,503. PUBLISHED AUGUST 14, 1945. Class 45.
- 417,450. FURNACES, BOILERS, HEATING STOVES, SPACE HEATERS, AND FLOOR HEATERS ADAPTED TO BURN GAS, OIL, COAL, AND WOOD, FURNACE BLOWERS, GAS AND OIL WATER HEATERS, GAS AND COMBINATION GAS AND COAL RANGES. ELECTRO-KING MFG. COMPANY, Chicago, Ill.
Filed January 12, 1945. Serial No. 478,546. PUBLISHED AUGUST 21, 1945. Class 34.
- 417,451. FRESH VEGETABLES—NAMES, SPROUTS. HALF MOON BAY GROWERS ASSOCIATION, San Francisco, Calif.
Filed January 15, 1945. Serial No. 478,629. PUBLISHED AUGUST 21, 1945. Class 46.
- 417,452. PHONOGRAPH RECORDS, PHONOGRAPH NEEDLES, AND NON-ELECTRICAL SOUND RECORDING DISCS. MUSIC CITY, Los Angeles, Calif.
Filed January 22, 1945. Serial No. 478,891. PUBLISHED AUGUST 14, 1945. Class 36.
- 417,453. LUBRICATING AND SEALING GREASE. CHEMOTEC MANUFACTURING COMPANY, Houston, Tex.
Filed January 26, 1945. Serial No. 479,028. PUBLISHED AUGUST 7, 1945. Class 15.
- 417,454. WINES. BOHEMIAN DISTRIBUTING COMPANY, doing business as International Products Co., Los Angeles, Calif.
Filed January 27, 1945. Serial No. 479,062. PUBLISHED AUGUST 7, 1945. Class 47.
- 417,455. TOILET PREPARATIONS—NAMES, HAIR TONIC AND HAIR DRESSING. E. NEWBERRY CO., Los Angeles, Calif.
Filed January 27, 1945. Serial No. 479,090. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,456. PORCELAIN FILTERS FOR BEVERAGE BREWERS SUCH AS BREWERS FOR COFFEE AND TEA. HILL-SHAW COMPANY, Chicago, Ill.
Filed January 31, 1945. Serial No. 479,233. PUBLISHED AUGUST 14, 1945. Class 13.
- 417,457. OIL SLUDGE EMULSIFIER, A FLUSHING OIL FOR BREAKING UP AND HOLDING SLUDGE IN SUSPENSION. LANAIR CHEMICAL CORPORATION, Chicago, Ill.
Filed February 3, 1945. Serial No. 479,390. PUBLISHED AUGUST 7, 1945. Class 15.
- 417,458. CIDER DILUTED WITH AERATED WATER TO AN ALCOHOLIC CONTENT OF LESS THAN 4%. IDRA LIMITED, London, England.
Filed February 7, 1945. Serial No. 479,517. PUBLISHED AUGUST 14, 1945. Class 47.
- 417,459. FINGER RINGS. REMEMBRANCE RING CO., New York, N. Y.
Filed February 22, 1945. Serial No. 480,121. PUBLISHED AUGUST 21, 1945. Class 28.

- 417,460. MEDICINAL PREPARATIONS CONTAINING VITAMINS AND MINERALS. PURITY DRUG CO., INC., Passaic, N. J.
Filed March 1, 1945. Serial No. 480,380. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,461. FATTY AMINES AND AMIDES POSSESSING CATIONIC AND SURFACE ACTIVE PROPERTIES FOR GENERAL INDUSTRIAL USE. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J.
Filed March 3, 1945. Serial No. 480,468. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,462. PLASTIC COMPOSITIONS IN SHEET, ROD, TUBE, PLATE, AND BAR FORM. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed March 5, 1945. Serial No. 480,508. PUBLISHED AUGUST 21, 1945. Class 1.
- 417,463. PARTICULATE CARBON HAVING A GENERAL UTILITY IN THE INDUSTRIAL ARTS. COLUMBIAN CARBON COMPANY, New York, N. Y.
Filed March 7, 1945. Serial No. 480,563. PUBLISHED AUGUST 21, 1945. Class 1.
- 417,464. RADIATOR CLEANING COMPOUND, BRAKE FLUID, KNEE-ACTION FLUID, ANTI-FREEZE COMPOUND, ETC. OAKES & Co., also doing business as Tru-Test, Chicago, Ill.
Filed March 7, 1945. Serial No. 480,606. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,465. PERFUME, COLOGNE, TOILET WATER, FACE POWDER, ROUGE, AND NAIL POLISH. JOHN L. PRIESS, Chicago, Ill.
Filed March 12, 1945. Serial No. 480,836. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,466. SMOKING PIPES AND CIGARETTE HOLDERS. KIRSTEN PIPE COMPANY, Seattle, Wash.
Filed March 14, 1945. Serial No. 480,916. PUBLISHED AUGUST 21, 1945. Class 8.
- 417,467. BONITO FISH AND TUNA FISH. PACKING PRODUCTS COMPANY, New York, N. Y.
Filed March 21, 1945. Serial No. 481,156. PUBLISHED AUGUST 21, 1945. Class 46.
- 417,468. SERIES OF BOOKS. WILLIAM H. WISE & Co., Inc., New York, N. Y.
Filed March 21, 1945. Serial No. 481,168. PUBLISHED AUGUST 7, 1945. Class 38.
- 417,469. SALAD SPREAD. EUGENE L. TEBBETTS, doing business as Sandune Products Co., Holliston, Mass.
Filed March 24, 1945. Serial No. 481,300. PUBLISHED AUGUST 14, 1945. Class 46.
- 417,470. FILTERS OF CLOTH AND CLOTH FILTER HOLDERS AND FILTERS MADE OF PORCELAIN FOR GLASS COFFEE BREWERS. HILL-SHAW COMPANY, Chicago, Ill.
Filed March 26, 1945. Serial No. 481,327. PUBLISHED AUGUST 14, 1945. Class 13.
- 417,471. ALUMINUM AND STAINLESS STEEL UPPER BOWLS FOR VACUUM TYPE COFFEE BREWERS, AND RUBBER BUSHINGS, AND MOLDED-PLASTIC HANDLES FOR VACUUM TYPE COFFEE BREWERS. HILL-SHAW COMPANY, Chicago, Ill.
Filed March 26, 1945. Serial No. 481,328. PUBLISHED AUGUST 14, 1945. Class 13.
- 417,472. ELECTRONIC, ELECTRICAL, AND MECHANICAL APPARATUS—NAMELY, INVERTERS, D. C. INTERRUPTERS OF THE VIBRATOR TYPE, ETC. AMERICAN TELEVISION & RADIO COMPANY, St. Paul, Minn.
Filed March 30, 1945. Serial No. 481,508. PUBLISHED AUGUST 14, 1945. Class 21.
- 417,473. BRASSIÈRES, GIRDLES, GARTER BELTS, CORSETS, CORSELETTES, BANDEAUX, SLIPS, SLEEPING GOWNS, AND PAJAMAS, PANTIES, AND PETTICOATS. IRVING G. BELAIEF, doing business as Blue Label Foundation Co., New York, N. Y.
Filed April 2, 1945. Serial No. 481,607. PUBLISHED AUGUST 21, 1945. Class 39.

- 417,474. FUEL PUMPS AND PARTS THEREFOR FOR INTERNAL COMBUSTION ENGINES. SOLOMON BLUTRICH, doing business as M. T. Laboratories, New York, N. Y.
Filed April 3, 1945. Serial No. 481,660. PUBLISHED AUGUST 14, 1945. Class 23.
- 417,475. CRIB MATTRESSES, PLAYPEN PADS, BABY CARRIAGE PADS, BASSINETTE PADS, HIGH CHAIR PADS, CRIB BUMPER PADS, AND NURSERY SEAT PADS. NURSERYTIME PRODUCTS, Brooklyn, N. Y.
Filed April 6, 1945. Serial No. 481,798. PUBLISHED AUGUST 21, 1945. Class 32.
- 417,476. PERFUMERY, FACE CREAMS AND POWDERS, LOTIONS, HAIR PREPARATIONS, AND TOILET WATER. CASTILLA PRODUCTS, INC., New York, N. Y.
Filed April 7, 1945. Serial No. 481,835. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,477. MAGAZINE ISSUED QUARTERLY. M. L. J. MAGAZINES, New York, N. Y., and St. Louis, Mo.
Filed April 7, 1945. Serial No. 481,851. PUBLISHED AUGUST 7, 1945. Class 38.
- 417,478. HAEMATINIC TONIC. PURITY DRUG CO., INC., Passaic, N. J.
Filed April 7, 1945. Serial No. 481,858. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,479. LIQUID COMPOSITIONS TO BE ADDED TO FUEL OILS AND TO LUBRICATING OILS FOR INTERNAL COMBUSTION ENGINES IN ORDER TO INHIBIT FORMATION OF SLUDGE, GUMS, AND SOOT, ETC. WIL-CO-LENS MFG. CO., Newark, N. J.
Filed April 10, 1945. Serial No. 481,970. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,480. PAPER PRODUCTS—NAMELY, BOND PAPER, TYPEWRITER PAPER, PRINTING PAPER, PADS, SECOND SHEETS, ETC. JANE ALEXANDER, Valley Stream, N. Y.
Filed April 11, 1945. Serial No. 481,975. PUBLISHED AUGUST 21, 1945. Class 37.
- 417,481. BRACELETS, BROOCH PINS, LAPEL PINS, EARRINGS, NECKLACES, AND FINGER RINGS, NOT INCLUDING WATCHES. JANE ALEXANDER, Valley Stream, N. Y.
Filed April 11, 1945. Serial No. 481,974. PUBLISHED AUGUST 21, 1945. Class 28.
- 417,482. FLEXIBLE PIPE COUPLINGS. PIPE COUPLINGS, INC., New York, N. Y.
Filed April 13, 1945. Serial No. 482,114. PUBLISHED AUGUST 14, 1945. Class 13.
- 417,483. TOILETRIES—NAMELY, TOILET WATER, SACHET POWDER, BATH POWDER, HAND LOTIONS, AND BUBBLE BATH PREPARATIONS. LASSIE TOILETRIES, INC., New York, N. Y.
Filed April 14, 1945. Serial No. 482,161. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,484. PERFUMES, EAU DE COLOGNES, TOILET WATERS, PERFUMED POWDER USED FOR CUSHIONING, BATH SALTS, ETC. COUNTESS MARITZA COSMETIC CO., INC., New York, N. Y.
Filed April 16, 1945. Serial No. 482,195. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,485. MEDICINAL CHEWING GUM CONTAINING CHLOROPHYLL, CAROTENOID, AND BREWERS' YEAST. NATIONAL AGROL COMPANY, Washington, D. C.
Filed April 16, 1945. Serial No. 482,212. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,486. MEDICINAL COMPOUND FOR THE SCALP. HAROLD L. RUDOW, doing business as Penacell Company, Seattle, Wash.
Filed April 16, 1945. Serial No. 482,221. PUBLISHED AUGUST 14, 1945. Class 6.

- 417,487. DOOR HANGERS, DOOR TRACKS AND TRACK BRACKETS. STARLINE INC., Harvard, Ill.
Filed April 17, 1945. Serial No. 482,260. PUBLISHED AUGUST 14, 1945. Class 13.
- 417,488. PUBLICATION ISSUED PERIODICALLY CONSISTING OF HOME-TOWN NEWS OF INTEREST TO MEMBERS OF THE ARMED FORCES AND THOSE OTHERWISE ABSENT FROM THEIR HOMES. DOROTHY KASSEL, doing business as Dotty Kassel, Fort Worth, Tex.
Filed April 19, 1945. Serial No. 482,330. PUBLISHED AUGUST 7, 1945. Class 38.
- 417,489. LUBRICATING OILS. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa.
Filed April 19, 1945. Serial No. 482,331. PUBLISHED AUGUST 7, 1945. Class 15.
- 417,490. INJECTION FLUID FOR USE IN THE EMBALMING TRADE. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn.
Filed April 20, 1945. Serial No. 482,369. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,491. CAVITY FLUID FOR USE IN THE EMBALMING TRADE. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn.
Filed April 20, 1945. Serial No. 482,370. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,492. ANTI-DEHYDRANT FOR USE IN THE EMBALMING TRADE. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn.
Filed April 20, 1945. Serial No. 482,371. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,493. ARTERIAL INJECTION FLUID FOR USE IN THE EMBALMING TRADE. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn.
Filed April 20, 1945. Serial No. 482,372. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,494. ARTERIAL FLUID USED IN THE EMBALMING TRADE. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn.
Filed April 20, 1945. Serial No. 482,373. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,495. LIPSTICKS, ROUGE, AND FACE POWDER. DON JUAN, INC., New York, N. Y.
Filed April 21, 1945. Serial No. 482,416. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,496. HOSIERY. HANES HOSIERY INCORPORATED, New York, N. Y.
Filed April 21, 1945. Serial No. 482,422. PUBLISHED AUGUST 21, 1945. Class 39.
- 417,497. METAL BROODERS, PORTABLE METAL CHICK FOUNTAINS, METAL POULTRY FEEDERS AND WATERERS, METAL GRIT BOXES, METAL NESTS AND METAL ADJUSTABLE ROOF SADDLES. BEACON STEEL PRODUCTS CO., Westminster, Md.
Filed April 23, 1945. Serial No. 482,456. PUBLISHED AUGUST 14, 1945. Class 50.
- 417,498. INTERNAL LUBRICANT USED AS AN AID IN REGULATING ELIMINATION. LUBB'L, INCORPORATED, Chicago, Ill.
Filed April 25, 1945. Serial No. 482,585. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,499. ANTIBACTERIAL PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed April 25, 1945. Serial No. 482,595. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,500. PREPARATION IN DRY POWDER FORM FOR USE IN THE PROCESSING OF TEXTILES, SPECIFICALLY FOR THE REMOVAL OF SIZINGS FROM FABRICS. WALLERSTEIN COMPANY, INC., New York, N. Y.
Filed April 25, 1945. Serial No. 482,602. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,501. COLUMN IN A PERIODICAL PUBLICATION. CECIL W. FARRAR, New York, N. Y.
Filed April 26, 1945. Serial No. 482,621. PUBLISHED AUGUST 7, 1945. Class 38.
- 417,502. PERIODICAL OF HOUSE ORGAN TYPE. THE W. L. MAXSON CORPORATION, New York, N. Y.
Filed April 27, 1945. Serial No. 482,691. PUBLISHED AUGUST 14, 1945. Class 38.
- 417,503. CITRUS JUICES FOR FOOD PURPOSES AND FRESH CITRUS FRUITS. McDONALD AND OLLIFF, Inc., Wauchula, Fla.
Filed April 28, 1945. Serial No. 482,753. PUBLISHED AUGUST 21, 1945. Class 46.
- 417,504. VITAMIN CAPSULES. AMERICAN STORES CO., Philadelphia, Pa.
Filed April 30, 1945. Serial No. 482,779. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,505. FRESH CITRUS FRUITS. OROSI FOOTHILL CITRUS ASSOCIATION, Oroshi, Calif.
Filed April 30, 1945. Serial No. 482,811. PUBLISHED AUGUST 21, 1945. Class 46.
- 417,506. PERFUME. IRRESISTABLE, INC., New York, N. Y.
Filed May 1, 1945. Serial No. 482,841. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,507. PERFUMES, TOILET CREAMS, EAU DE COLOGNE, FACE LOTIONS, ROUGES, NAIL POLISHES, DENTIFRICES, FACE POWDER, MAS-CARA. MYRURGIA, S. A., Barcelona, Spain.
Filed May 1, 1945. Serial No. 482,851. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,508. MEN'S AND YOUTHS' OVERCOATS. B. KUP-PENHEIMER & Co. Inc., Chicago, Ill.
Filed May 2, 1945. Serial No. 482,881. PUBLISHED AUGUST 21, 1945. Class 39.
- 417,509. TABLETS THAT DISPEL BREATH ODORS FROM ALCOHOL, TOBACCO, AND FOODS. FLORENCE C. SHARPE, doing business as Quix Company, Los Angeles, Calif.
Filed May 2, 1945. Serial No. 482,896. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,510. CHILDREN'S AND MISSES' PANTIES, SLIPS, AND PAJAMAS. STILE UNIES, INC., New York, N. Y.
Filed May 2, 1945. Serial No. 482,901. PUBLISHED AUGUST 21, 1945. Class 39.
- 417,511. RECTAL SUPPOSITORY FOR THE TREATMENT OF HEMORRHOIDS. FORREST INCORPORATED, New York, N. Y.
Filed May 3, 1945. Serial No. 482,926. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,512. CHEMICAL PRODUCT USED IN WATER TREATING FOR SCALE AND CORROSION CONTROL AND OTHERWISE TO PREVENT THE ACCUMULATION OF FOREIGN MATTER ON THE WALLS OF PIPES OR CONTAINERS. D. W. HARRING & Co., Inc., Chicago, Ill.
Filed May 3, 1945. Serial No. 482,928. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,513. PRODUCT IN THE FORM OF AN OINTMENT FOR LOCAL APPLICATION TO DERMAL STAPHYLOCOCCIC AND STREPTOCOCCIC INFECTIONS. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed May 3, 1945. Serial No. 482,942. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,514. COSMETICS COMPRISING LIPSTICKS, PERFUMES, AND POWDERS. CLEVELANDT CORPORATION, New York, N. Y.
Filed May 4, 1945. Serial No. 482,976. PUBLISHED AUGUST 21, 1945. Class 6.

- 417,515. CHEMICAL PREPARATION USED AS A BLEACH, A GENERAL DISINFECTANT, DEODORANT, AND CLEANER. ANDREW J. WORONKA, doing business as New England Chemical and Supply Co., Manchester, N. H.
Filed May 4, 1945. Serial No. 483,013. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,516. CORROSION INHIBITING COATING LIQUIDS FOR METAL SURFACES. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio.
Filed May 5, 1945. Serial No. 483,044. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,517. FRESH VEGETABLES. AL ZEITMAN, doing business as Zeitman Produce Company, Phoenix, Ariz.
Filed May 7, 1945. Serial No. 483,101. PUBLISHED AUGUST 21, 1945. Class 46.
- 417,518. PREPARATIONS IN THE FORM OF CAPSULES FOR THE RELIEF OF PAIN DUE TO HEADACHE, NEURALGIA, AND SINUS, AND OF PAIN AND DISCOMFORTS FROM COLDS, FROM TOOTHACHES FROM TOOTH EXTRACTIONS, AND THE LIKE. JOSEPH V. WALSH, doing business as Walsh Ethical Products, Beacon, N. Y.
Filed May 8, 1945. Serial No. 483,125. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,519. LADIES' FUR COATS. SCHLUSSMAN & GUTMAN, New York, N. Y.
Filed May 9, 1945. Serial No. 483,155. PUBLISHED AUGUST 21, 1945. Class 39.
- 417,520. PERFUME AND COLOGNE. S. BUCHSBAUM & Co., Chicago, Ill.
Filed May 11, 1945. Serial No. 483,208. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,521. TABLE GLASSWARE AND COOKING GLASSWARE. COLOSO LIMITED, Ridgefield, N. J.
Filed May 11, 1945. Serial No. 483,213. PUBLISHED AUGUST 21, 1945. Class 33.
- 417,522. SLEEPING GARMENTS, PLAY SUITS, SUN SUITS, AND ROMPERS. BERTICE PAULINE GARRISON, doing business as Paula Garrison, Seattle, Wash.
Filed May 11, 1945. Serial No. 483,223. PUBLISHED AUGUST 21, 1945. Class 39.
- 417,523. LIQUEUR. THE OVERBROOK COMPANY, INC., Baltimore, Md.
Filed May 11, 1945. Serial No. 483,232. PUBLISHED AUGUST 7, 1945. Class 49.
- 417,524. GROWTH-PROMOTING HORMONAL PREPARATIONS. E. R. SQUIBBS & SONS, New York, N. Y.
Filed May 11, 1945. Serial No. 483,239. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,525. LAMP SHADES AND CERAMIC BASES FOR LAMPS—NAMELY, FOR TABLE LAMPS, COMMODE LAMPS, AND VANITY LAMPS. JABESON CHINA CO. INC., New York, N. Y.
Filed May 12, 1945. Serial No. 483,270. PUBLISHED AUGUST 21, 1945. Class 34.
- 417,526. HYDRAULIC FORGING PRESSES, FORGING MACHINES, STEAM HAMMERS, PUNCHING AND SHEARING MACHINES, ETC. GENERAL MACHINERY CORPORATION, Hamilton, Ohio.
Filed May 14, 1945. Serial No. 483,313. PUBLISHED AUGUST 14, 1945. Class 23.
- 417,527. LIQUID AND SOLID CHEMICAL COMPOUNDS AND COMPOSITIONS USEFUL AS RAW MATERIALS AND INTERMEDIATES FOR THE PRODUCTION OF SYNTHETIC RESINS, PAINTS, VARNISHES, AND SIMILAR COMPOSITIONS. HEYDEN CHEMICAL CORPORATION, New York, N. Y.
Filed May 14, 1945. Serial No. 483,315. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,528. GRANULAR MATERIAL FOR CHEMICALLY SOFTENING AND CONDITIONING WATER AND SILICA GEL. RESEARCH PRODUCTS CORPORATION, Madison, Wis.
Filed May 14, 1945. Serial No. 483,345. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,529. DRIED PRUNES AND APRICOTS DIPPED IN HONEY. BENJAMIN SPIEGEL, doing business as Call Rancho Fruit Packers, Chicago, Ill.
Filed May 14, 1945. Serial No. 483,352. PUBLISHED AUGUST 21, 1945. Class 46.
- 417,530. ANTISPASMODIC, SEDATIVE, AND VASODILATOR PREPARATION. WINTHROP PRODUCTS INC., New York, N. Y.
Filed May 15, 1945. Serial No. 483,405. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,531. BORATE ORE USED FOR WEED CONTROL PURPOSES. PACIFIC COAST BORAX COMPANY, New York, N. Y.
Filed May 15, 1945. Serial No. 483,412. PUBLISHED AUGUST 14, 1945. Class 6.
- 417,532. ESTROGENIC HORMONE PREPARATIONS. PHYSICIANS' DRUG & SUPPLY CO., Philadelphia, Pa.
Filed May 16, 1945. Serial No. 483,449. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,533. HOSIERY. FEDDEN BROTHERS COMPANY, INCORPORATED, New York, N. Y.
Filed May 17, 1945. Serial No. 483,471. PUBLISHED AUGUST 21, 1945. Class 39.
- 417,534. HAIR COLOR RESTORATIVE. MONROE HARRISON, Chicago, Ill.
Filed May 17, 1945. Serial No. 483,478. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,535. CANNED FISH AND CANNED SQUID. HOVDEN FOOD PRODUCTS CORPORATION, Monterey, Calif.
Filed May 17, 1945. Serial No. 483,479. PUBLISHED AUGUST 21, 1945. Class 46.
- 417,536. HIGH TEMPERATURE RESISTING INORGANIC BONDED MICA INSULATION PRIMARILY USED FOR ELECTRICAL INSULATING PURPOSES IN THE FORM OF SHEETS AND ARTICLES CUT, STAMPED, OR FORMED THEREFROM. NEW ENGLAND MICA CO., Waltham, Mass.
Filed May 17, 1945. Serial No. 483,486. PUBLISHED AUGUST 14, 1945. Class 21.
- 417,537. DRESSES FOR WOMEN AND GIRLS, ALSO OUTER DRESS SHIRTS FOR MEN AND BOYS. S. SLATER AND SONS, INC., Slater, S. C.
Filed May 17, 1945. Serial No. 483,492. PUBLISHED AUGUST 21, 1945. Class 29.
- 417,538. LINED, FOLDING PAPERBOARD CARTONS FOR FROZEN FOODS AND THE LIKE. THE INTERSTATE FOLDING BOX COMPANY, Middletown, Ohio.
Filed May 18, 1945. Serial No. 483,532. PUBLISHED AUGUST 21, 1945. Class 2.
- 417,539. FACE POWDER. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J.
Filed May 18, 1945. Serial No. 483,536. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,540. EAU DE COLOGNE. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J.
Filed May 18, 1945. Serial No. 483,538. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,541. DRUG FOR THE TREATMENT OF LEG ULCERS, OPEN SORES, ATHLETE'S FOOT, AND EXTERNALLY OPEN INFECTIONS. RUTLER CHEMICAL COMPANY, Perth Amboy, N. J., and Washington, D. C.
Filed May 19, 1945. Serial No. 483,591. PUBLISHED AUGUST 21, 1945. Class 6.

- 417,542. DRUG FOR THE TREATMENT OF LEG ULCERS, OPEN SORES, ATHLETE'S FOOT, AND EXTERNALLY OPEN INFECTIONS. RUTLER CHEMICAL COMPANY, Perth Amboy, N. J., and Washington, D. C.
Filed May 19, 1945. Serial No. 483,592. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,543. FIRE HOSE. THE GENERAL DETROIT CORPORATION, Detroit, Mich.
Filed May 21, 1945. Serial No. 483,613. PUBLISHED AUGUST 21, 1945. Class 35.
- 417,544. GENERAL BODY TONIC AND BODY REGULATOR. EMOY M. MINOR, Fairview, Va.
Filed May 22, 1945. Serial No. 483,660. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,545. BABY BRACELETS. LEO FRANKFURT, New York, N. Y.
Filed May 23, 1945. Serial No. 483,682. PUBLISHED AUGUST 21, 1945. Class 28.
- 417,546. CONCENTRATED ODOR NEUTRALIZING AND PERFUMING COMPOUNDS, WATER SOLUBLE ODOR NEUTRALIZING AND PERFUMING COMPOUNDS AND SOLUBILIZED ODOR NEUTRALIZING AND PERFUMING COMPOUNDS. FRITZSCHE BROTHERS, INC., New York, N. Y.
Filed May 23, 1945. Serial No. 483,683. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,547. CHEMICAL COMPOUNDS, PREPARATIONS, AND POWDERS FOR USE IN PRODUCING VARYING COLORS IN BURNING FUEL. EDWARD A. BROWN, Newton Highlands, Mass.
Filed May 24, 1945. Serial No. 483,712. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,548. CHEMICAL SOLVENTS USED FOR DEGREASING METAL ARTICLES. MIDWESTERN SALES, INC., New York, N. Y.
Filed May 24, 1945. Serial No. 483,731. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,549. NON-ALCOHOLIC, MALTLESS CARBONATED BEVERAGE AND SIRUP FOR MAKING THE SAME. THE MOXIE COMPANY, Boston, Mass.
Filed May 24, 1945. Serial No. 483,733. PUBLISHED AUGUST 14, 1945. Class 45.
- 417,550. MAGAZINE FOR YOUNG GIRLS PUBLISHED QUARTERLY. THE PARENTS' INSTITUTE, INC., New York, N. Y.
Filed May 25, 1945. Serial No. 483,781. PUBLISHED AUGUST 14, 1945. Class 38.
- 417,551. ANTIBACTERIAL PREPARATIONS. E. R. SQUIBBS & SONS, New York, N. Y.
Filed May 25, 1945. Serial No. 483,798. PUBLISHED AUGUST 21, 1945. Class 6.
- 417,552. GLASS CANDLESTICKS. LOUIS AISENSTEIN & BROS., New York, N. Y.
Filed May 26, 1945. Serial No. 483,806. PUBLISHED AUGUST 14, 1945. Class 34.
- 417,553. WATER METERS. BADGER METER MANUFACTURING COMPANY, Milwaukee, Wis.
Filed May 28, 1945. Serial No. 483,840. PUBLISHED AUGUST 21, 1945. Class 26.
- 417,554. CLAYS FOR USE IN THE MANUFACTURE OF CERAMICS, RUBBER AND PAPER INDUSTRIES. GEORGIA KAOLIN COMPANY, Elizabeth, N. J.
Filed May 28, 1945. Serial No. 483,850. PUBLISHED AUGUST 21, 1945. Class 1.
- 417,555. NON-ALCOHOLIC FLAVORING EXTRACTS FOR ALCOHOLIC LIQUORS, ETC. LADY HARRISST BRANDS COMPANY, Detroit, Mich.
Filed May 28, 1945. Serial No. 483,859. PUBLISHED AUGUST 7, 1945. Class 49.
- 417,556. MONTHLY HOUSE ORGAN. MCINERNEY SPRING & WIRE COMPANY, Grand Rapids, Mich.
Filed May 29, 1945. Serial No. 483,909. PUBLISHED AUGUST 14, 1945. Class 38.
- 417,557. STEEL BOILERS. STEEL BOILER INSTITUTE, INC., New York, N. Y.
Filed May 29, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 483,938. PUBLISHED AUGUST 21, 1945. Class 34.
- 417,558. GASOLINE. BARBER ASPHALT CORPORATION, Barber, N. J.
Filed May 30, 1945. Serial No. 483,954. PUBLISHED AUGUST 7, 1945. Class 15.
- 417,559. EVAPORATED MILK. SCIENITROL, INC., Shawano, Wis.
Filed May 30, 1945. Serial No. 483,990. PUBLISHED AUGUST 21, 1945. Class 46.
- 417,560. AIR FILTERS FOR USE WITH HEATING, VENTILATING, AND AIR CONDITIONING EQUIPMENT. RESEARCH PRODUCTS CORPORATION, Madison, Wis.
Filed June 2, 1945. Serial No. 484,102. PUBLISHED AUGUST 14, 1945. Class 34.
- 417,561. STOKERS. CONSOLIDATED INDUSTRIES, INC., La Fayette, Ind.
Filed June 6, 1945. Serial No. 484,195. PUBLISHED AUGUST 14, 1945. Class 34.
- 417,562. PIE FILLING MIX, TAPIOCA DESSERT MIX, PREPARED MUSTARD, PEPPER, SHREDDED COCONUT, COCOA, ETC. NATIONAL TOILET COMPANY, doing business as Merritt Products Company, Paris, Tenn.
Filed June 7, 1945. Serial No. 484,269. PUBLISHED AUGUST 14, 1945. Class 46.
- 417,563. IMITATION VANILLA FLAVOR, A FLAVORING FOR FOOD PURPOSES. RODELLE LABORATORIES, INC., Denver, Colo.
Filed June 9, 1945. Serial No. 484,360. PUBLISHED AUGUST 21, 1945. Class 46.
- 417,564. CANNED VEGETABLES. R. J. QUARTAROLI, doing business as Stanislaus Canning Company, Modesto, Calif.
Filed June 18, 1945. Serial No. 484,701. PUBLISHED AUGUST 14, 1945. Class 46.
- 417,565. EVAPORATORS USED AS AIR CONDITIONING EQUIPMENT OR PARTS THEREOF. AIRKEM, INC., New York, N. Y.
Filed June 19, 1945. Serial No. 484,727. PUBLISHED AUGUST 21, 1945. Class 34.
- 417,566. OIL-BURNER FURNACES. FAIRCHESTER OIL CO. INC., East Portchester, Conn.
Filed June 20, 1945. Serial No. 484,780. PUBLISHED AUGUST 21, 1945. Class 34.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

417,567. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) REPUBLIC STEEL CORPORATION, Cleveland, Ohio. Filed Sept. 30, 1941. Serial No. 447,447.

INCH-MARKED

FOR ELECTRICALLY WELDED PIPE, CONDUIT, AND TUBING COMPOSED OF IRON, STEEL, OR FERROUS ALLOYS.

Claims use since May, 1940.

417,568. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) G. B. KENT & SONS, LIMITED, London, England. Filed August 30, 1943. Serial No. 463,097.



FOR TOOTHBRUSHES, HAIRBRUSHES, NAIL BRUSHES, HAND BRUSHES, BATH BRUSHES, CLOTH BRUSHES, HAT BRUSHES, SHAVING BRUSHES, COMPLEXION BRUSHES, AND MILITARY BRUSHES.

Claims use since 1935.

417,569. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PEN ARGYL MILLING COMPANY, INC., Pen Argyl, Pa. Filed Nov. 3, 1943. Serial No. 464,874.



FOR CEREAL PRODUCTS—NAMELY, BUCKWHEAT GRITS AND BUCKWHEAT GROATS.

Claims use since Oct. 14, 1943.

417,570. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) PROCESS MANUFACTURING COMPANY, Chicago Ill. Filed Nov. 12, 1943. Serial No. 464,952.

RUG GRIP

FOR ANTI-SKID AND FRICTION COMPOSITE MATERIALS MADE OF FIBERS FITTED TOGETHER, AND MANUFACTURED IN STRIP, ROLL, AND OTHER FORM, ADAPTED TO BE ATTACHED TO, OR BE ATTACHED TO, OR BE PLACED UNDER RUGS, CARPETS AND THE LIKE TO PREVENT SLIPPAGE.

Claims use since Jan. 15, 1943.

417,571. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ALMA S. ROGERS, Paducah, Ky. Filed Apr. 8, 1944. Serial No. 469,170.

Rogers "MI-MARKER"

FOR MARKING KIT CONTAINING AN ASSEMBLED STAMP OR MARKER, INK, INK PAD, ALPHABETICAL LETTERS, NUMERALS, SYMBOLS, CHARACTERS AND INSTRUCTIONS FOR MARKING AND IDENTIFYING CLOTHES AND EQUIPMENT.

Claims use since Dec. 15, 1943.

417,572. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE COLUMBIA MILLS, INC., New York, N. Y. Filed June 5, 1944. Serial No. 470,911.

COLUMBIA-OLMSTEAD

FOR SHADE ROLLER PIN SETTING MACHINES.

Claims use since Apr. 1, 1944 for mark as shown; and since Oct. 7, 1917 for "Olmstead".

417,573. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MOULD-FIT PAD CO., New York, N. Y. Filed July 10, 1944. Serial No. 472,077.



FOR SHOULDER PADS FOR GARMENTS.

Claims use since May 16, 1944.

417,574. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) AUTOMOTIVE SPRINKLER CO., North Platte, Nebr. Filed July 13, 1944. Serial No. 472,173.

"AUTOMOTIVE SPRINKLER"

FOR LAWN SPRINKLERS.

Claims use since April 1940.

417,575. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) AUTOMOTIVE SPRINKLER CO., North Platte, Nebr. Filed July 13, 1944. Serial No. 472,174.

"CRAWLING SPRINKLER"

FOR LAWN SPRINKLERS.

Claims use since 1942.

OCTOBER 30, 1945

U. S. PATENT OFFICE

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417,576. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) AUTOMOTIVE SPRINKLER CO., North Platte, Nebr. Filed July 13, 1944. Serial No. 472,175.

"TRAVELING SPRINKLER"

FOR LAWN SPRINKLERS.

Claims use since April 1940.

417,577. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MORSE CHAIN COMPANY, Ithaca, N. Y. Filed Aug. 3, 1944. Serial No. 472,906.

MORSE

FOR ENGINE TIMING CHAINS AND SPROCKETS; INDUSTRIAL SILENT AND ROLLER CHAINS AND SPROCKETS; SPEED REDUCERS AND FLEXIBLE COUPLINGS; FREE WHEELING INDUSTRIAL CLUTCHES AND CHAIN COUPLINGS; VARIABLE SPEED CONTROLS; REDUCTION AND REVERSE GEARS AND TRANSFER DRIVES FOR MARINE ENGINES; AMMUNITION HOIST CHAINS AND SPROCKETS; AND GEAR WHEELS.

Claims use since Dec. 31, 1897.

417,578. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE RUBEROID CO., Boundbrook, N. J., and New York, N. Y. Filed Aug. 19, 1944. Serial No. 473,459.

TU-WAY

FOR FLOORING FELT IMPREGNATED ON ONE SURFACE WITH ASPHALT FOR USE AS A LINING UNDER LINOLEUM FLOOR-COVERINGS.

Claims use since on or about June 6, 1944.

417,579. (CLASS 39. CLOTHING.) THE BARBIZON CORPORATION, New York, N. Y. Filed Oct. 6, 1944. Serial No. 474,989.

JAUNTY RITE

FOR LADIES WEARING APPAREL—NAMELY, SLIPS, PAJAMAS, LOUNGING ROBES, AND BED JACKETS.

Claims use since Aug. 8, 1944.

417,580. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ACU-RULE MFG. CO., St. Louis, Mo. Filed Oct. 12, 1944. Serial No. 475,230.



FOR SLIDE RULES.

Claims use since Sept. 8, 1944.

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417,581. (CLASS 31. FILTERS AND REFRIGERATORS.) FLEETWOOD CRAFTSMEN, INC., Fleetwood, Pa. Filed Feb. 10, 1945. Serial No. 479,669.



FOR REFRIGERATOR DISPLAY CASES.

Claims use since 1934.

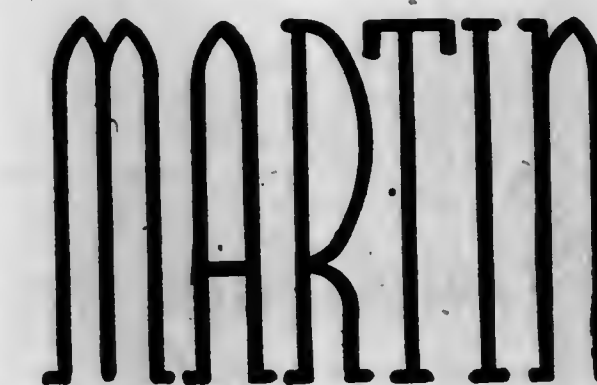
417,582. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CHARLES T. LEWIS, doing business as Lewis Manufacturing Company, Oklahoma City, Okla. Filed Mar. 2, 1945. Serial No. 480,419.

PLASTEX

FOR CURTAINS OF WATER PROOFED AND FIRE PROOFED TEXTILE FABRIC FOR PROTECTING WORKERS LOCATED ON OIL DERRICKS AND THE LIKE.

Claims use since Sept. 4, 1944.

417,583. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE MARTIN BAND INSTRUMENT COMPANY, Elkhart, Ind. Filed Mar. 5, 1945. Serial No. 480,515.



FOR BRASS AND WIND INSTRUMENTS—NAMELY, SAXOPHONES, PICCOLOS, FLUTES, HORNS, TRUMPETS, BUGLES, MELLOPHONES, CORNETS, TROMBONES, BARITONES, EUPHONIUMS, BASSES, AND PARTS THEREOF AND CASES THEREFOR.

Claims use since July 20, 1920.

417,584. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOEL D. BUNCH, doing business as Bunch Motor Co., Los Angeles, Calif. Filed Mar. 26, 1945. Serial No. 481,312.



FOR MODEL AIRCRAFT ENGINES.

Claims use since December 1939.

417,585. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) JOHN DRITZ & SONS, New York, N. Y. Filed Mar. 30, 1945. Serial No. 481,526.



FOR LINEN, COTTON AND RAYON FABRICS STAMPED WITH DESIGNS FOR EMBROIDERY, PARTLY FINISHED TAPESTRY FOR COMPLETION BY NEEDLEPOINT, UNFINISHED FABRIC TOPS FOR FOOT STOOLS, TAPESTRY NEEDLES, CROCHETING NEEDLES, KNITTING NEEDLES, CROCHETING HOOKS, RUG HOOKS AND NEEDLES, AND NEEDLE BOOKS CONTAINING DIFFERENT SIZES AND KINDS OF KNITTING AND CROCHETING NEEDLES AND HOOKS.

Claims use since Sept. 1, 1944.

417,586. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE FOLMER GRAFLEX CORPORATION, Rochester, N. Y., now by change of name Graflex, Inc., a corporation of Delaware. Filed Apr. 17, 1945. Serial No. 482,246.



Applicant is the owner of Reg. No. 368,900. FOR PHOTOGRAPHIC CAMERAS, AND PARTS THEREOF.

Claims use since April 1940.

417,587. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) PARFAIT, INCORPORATED, Chicago, Ill. Filed Apr. 23, 1945. Serial No. 482,503.

PARFAIT

FOR GARMENT HANGERS.
Claims use since Mar. 16, 1938.

417,588. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) PARFAIT, INCORPORATED, Chicago, Ill. Filed Apr. 27, 1945. Serial No. 482,700.



FOR GARMENT HANGERS.
Claims use since Mar. 16, 1938.

417,589. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GRAND RAPIDS VARNISH CORPORATION, Grand Rapids, Mich. Filed June 2, 1945. Serial No. 484,091.

WAT-R-SEAL

FOR SYNTHETIC RESIN VARNISH FOR APPLICATION ON WOOD AND WOOD PARTS.
Claims use since Dec. 31, 1930.

417,590. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLBROOK CANDIES, INC., Brooklyn, N. Y. Filed June 15, 1945. Serial No. 484,568.



FOR CANDY.
Claims use since Mar. 2, 1936.

417,591. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) VANDERBILT TIRE & RUBBER CORP., New York, N. Y. Filed Aug. 3, 1945. Serial No. 486,702.



FOR GOLF BALLS, TENNIS BALLS, GOLF CLUBS AND TENNIS RACKETS.
Claims use since March 1944.

TRADE-MARK REGISTRATIONS RENEWED

26,936. ST. JOHANNIS DROPS. LIQUID REMEDY FOR COLIC, CHOLERA, DYSENTERY, DIARRHEA, CHAMPS, AND OTHER STOMACH TROUBLES. Registered Aug. 13, 1895. HERMAN C. LEMKE. Re-renewed Aug. 13, 1945, to Dr. H. C. Lemke Medicine Co., Chicago, Ill., a firm. Class 6.

45,786. "SAVE THE BABY" AND DRAWING. CROUP SPECIFIC. Registered Aug. 29, 1905. WILLIAM W. LEE, Troy, N. Y. Re-renewed Aug. 29, 1945, to William W. Lee & Co., Watervliet, N. Y., a partnership. Class 6.

45,874. "PIONEER" ETC. AND DRAWING. PAPER EMPLOYED FOR PACKING BUTTER, CHEESE, LARD, MEATS, AND OTHER SIMILAR FOOD PRODUCTS. Registered Aug. 29, 1905. THE PATERSON PARCHMENT PAPER COMPANY, Passaic, N. J. Re-renewed Aug. 29, 1945, to The Paterson Parchment Paper Company, Bristol, Pa., a corporation of Pennsylvania. Class 37.

46,303. CONTINUOUS. CONTINUOUS-SALES-SLIP BOOKS. Registered Sept. 12, 1905. CARTER-CRUME CO. LIMITED. Re-renewed Sept. 12, 1945, to Moore Business Forms, Inc., Niagara Falls, N. Y., a corporation of Delaware. Class 37.

47,194. REPRESENTATION OF A CHILD ASTRIDE A LOAF OF BREAD ETC. WHEAT-FLOUR. Registered Oct. 31, 1905. THE NORTHWESTERN CONSOLIDATED MILLING COMPANY, Minneapolis, Minn. Re-renewed Oct. 31, 1945, to Standard Milling Company, New York, N. Y., a corporation of Delaware. Class 46.

47,195. GOLDEN ROD. WHEAT-FLOUR. Registered Oct. 31, 1905. THE NORTHWESTERN CONSOLIDATED MILLING COMPANY, Minneapolis, Minn. Re-renewed Oct. 31, 1945, to Standard Milling Company, New York, N. Y., a corporation of Delaware. Class 46.

47,197. "CERESOTA" ETC. AND DRAWING. WHEAT-FLOUR. Registered Oct. 31, 1905. THE NORTHWESTERN CONSOLIDATED MILLING COMPANY, Minneapolis, Minn. Re-renewed Oct. 31, 1945, to Standard Milling Company, New York, N. Y., a corporation of Delaware. Class 46.

47,198. MINNEHAHA. WHEAT-FLOUR. Registered Oct. 31, 1905. THE NORTHWESTERN CONSOLIDATED MILLING COMPANY, Minneapolis, Minn. Re-renewed Oct. 31, 1945, to Standard Milling Company, New York, N. Y., a corporation of Delaware. Class 46.

47,201. "PERFECT" AND DRAWING. WHEAT-FLOUR. Registered Oct. 31, 1905. THE NORTHWESTERN CONSOLIDATED MILLING COMPANY, Minneapolis, Minn. Re-renewed Oct. 31, 1945, to Standard Milling Company, New York, N. Y., a corporation of Delaware. Class 46.

47,202. AMERICAN. WHEAT-FLOUR. Registered Oct. 31, 1905. THE NORTHWESTERN CONSOLIDATED MILLING COMPANY, Minneapolis, Minn. Re-renewed Oct. 31, 1945, to Standard Milling Company, New York, N. Y., a corporation of Delaware. Class 46.

47,203. PERFECT. WHEAT-FLOUR. Registered Oct. 31, 1905. THE NORTHWESTERN CONSOLIDATED MILLING COMPANY, Minneapolis, Minn. Re-renewed Oct. 31, 1945, to Standard Milling Company, New York, N. Y., a corporation of Delaware. Class 46.

47,204. CERESOTA. WHEAT-FLOUR. Registered Oct. 31, 1905. THE NORTHWESTERN CONSOLIDATED MILLING COMPANY, Minneapolis, Minn. Re-renewed Oct. 31, 1945, to Standard Milling Company, New York, N. Y., a corporation of Delaware. Class 46.

47,205. "THE NORTHWESTERN CONSOLIDATED-MILLING CO" AND DRAWING. WHEAT-FLOUR. Registered Oct. 31, 1905. THE NORTHWESTERN CONSOLIDATED MILLING COMPANY, Minneapolis, Minn. Re-renewed Oct. 31, 1945, to Standard Milling Company, New York, N. Y., a corporation of Delaware. Class 46.

47,207. WHITE AND GOLD. WHEAT-FLOUR. Registered Oct. 31, 1905. THE NORTHWESTERN CONSOLIDATED MILLING COMPANY, Minneapolis, Minn. Re-renewed Oct. 31, 1945, to Standard Milling Company, New York, N. Y., a corporation of Delaware. Class 46.

47,391. "MASON & HAMLIN" ETC. AND DRAWING. PIANOS. Registered Oct. 31, 1905. MASON & HAMLIN CO., Cambridge, Mass. Re-renewed Oct. 31, 1945, to Aeolian American Corporation, New York, N. Y., a corporation of New York. Class 36.

48,077. ROYAL. BAKING-POWDER. Registered Dec. 5, 1905. ROYAL BAKING POWDER COMPANY. Re-renewed Dec. 5, 1945, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware. Class 46.

48,159. "B" AND DRAWING. SHEETINGS. Registered Dec. 12, 1905. MINOT, HOOPER & CO., New York, N. Y., a firm. Re-renewed Dec. 12, 1945. Class 42.

48,614. GIANT. PORTLAND, NATURAL-ROCK, AND IMPROVED CEMENT. Registered Jan. 9, 1906. AMERICAN CEMENT COMPANY. Re-renewed Jan. 9, 1946, to Giant Portland Cement Company, Philadelphia, Pa., a corporation of Delaware. Class 12.

48,648. EGYPT. PORTLAND, NATURAL-ROCK, AND IMPROVED CEMENT. Registered Jan. 9, 1906. AMERICAN CEMENT COMPANY. Re-renewed Jan. 9, 1946, to Giant Portland Cement Company, Philadelphia, Pa., a corporation of Delaware. Class 12.

48,908. "GOOD LUCK" AND DRAWING. BUTTERIN OR OLEOMARGARIN. Registered Jan. 16, 1906. BRAUN & FITTS, INC. Re-renewed Jan. 16, 1946, to John F. Jelke Company, Chicago, Ill., a corporation of Illinois. Class 46.

48,980. "SOLID GOLD" AND DRAWING. BUTTERIN OR OLEOMARGARIN. Registered Jan. 16, 1906. BRAUN & FITTS, INC. Re-renewed Jan. 16, 1946, to John F. Jelke Company, Chicago, Ill., a corporation of Illinois. Class 46.

49,042. FLINT FILLER. VARNISHES AND JAPANS. Registered Jan. 23, 1906. MAYER & LOEWENSTEIN, New York, N. Y. Re-renewed Jan. 23, 1946, to Clover Leaf Paint & Varnish Corporation, Long Island City, N. Y., a corporation of New York. Class 16.

49,090. REPRESENTATION OF TWO INTERLOCKED NAILS. WIRE NAILS. Registered Jan. 23, 1906. CHARLES F. BAKER & CO., Boston, Mass. Re-renewed Jan. 23, 1946, to Chas. F. Baker & Co., Inc., Framingham, Mass., a corporation of Massachusetts. Class 13.

49,097. EMPIRE STATE. CANDIES. Registered Jan. 23, 1906. HAWLEY & HOOPS, New York, N. Y., a firm. Re-renewed Jan. 23, 1946. Class 46.

49,139. "HERCULES". WIRE ROPES. Registered Jan. 23, 1906. A. LESCHEN & SONS ROPE COMPANY, St. Louis, Mo., a corporation of Missouri. Re-renewed Jan. 23, 1946. Class 7.

49,170. WHITE RIBBON. LARD AND LARD COMPOUND. Registered Jan. 23, 1906. THE CUDAHY PACKING COMPANY, Chicago, Ill., and South Omaha, Nebr. Re-renewed Jan. 23, 1946, to The Cudahy Packing Company, Chicago, Ill., a corporation of Maine. Class 46.

- 198,921. **REPRESENTATION OF A HEARTH AND KETTLE. BAKING JAPANS, VARNISHES, AND PAINT ENAMELS.** Registered May 26, 1925. OXFORD VARNISH CORPORATION. Renewed May 26, 1945, to Oxford Corporation, Detroit, Mich., a corporation of Michigan. Class 16.
- 201,421. **BETERLUBE. LUBRICATING OILS AND GREASES.** Registered July 28, 1925. WILHELM OIL COMPANY. Renewed July 28, 1945, to Distributors Incorporated, St. Paul, Minn., a corporation of Minnesota. Class 15.
- 201,547. **FRUIT OF THE MEADOW. PREPARED FATTY OLEAGINOUS FOOD SUBSTITUTE.** Registered July 28, 1925. JOHN F. JELKE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 28, 1945. Class 46.
- 201,595. **THROMBOL. BLOOD COAGULANT.** Registered Aug. 4, 1925. H. K. MUFORD COMPANY. Renewed Aug. 4, 1945, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland. Class 6.
- 201,750. **MAXI-CUSHION. RESILIENT VEHICLE TIRES OF RUBBER OR RUBBER COMPOSITION OR RUBBER AND FABRIC.** Registered Aug. 4, 1925. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Renewed Aug. 4, 1945. Class 35.
- 201,926. **SAFTRED. METAL GRATINGS AND FLOORINGS AND STAIRCASES.** Registered Aug. 11, 1925. IRVING IRON WORKS COMPANY. Renewed Aug. 11, 1945, to Irving Subway Grating Co. Inc., Long Island City, N. Y., a corporation of New York. Class 12.
- 202,034. **WUNDERLUBE. LUBRICATING OILS AND GREASES.** Registered Aug. 11, 1925. WILHELM OIL COMPANY. Renewed Aug. 11, 1945, to Distributors Incorporated, St. Paul, Minn., a corporation of Minnesota. Class 15.
- 202,521. **BIG BEN. TOWELS OF TEXTILE MATERIAL.** Registered Aug. 25, 1925. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Aug. 25, 1945. Class 42.
- 202,916. **HOLSTEIN BRAND. OLEOMARGARINE.** Registered Sept. 8, 1925. JOHN F. JELKE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Sept. 8, 1945. Class 46.
- 202,931. **H CO. CLASPS FOR RIBBON BRACELETS, BUCKLES FOR STRAP BRACELETS AND METAL BRACELETS.** Registered Sept. 8, 1925. THE HADLEY COMPANY, INCORPORATED, Providence, R. I., a corporation of Rhode Island. Renewed Sept. 8, 1945. Class 28.
- 203,224. **"BLACK ROCK WALLBOARD" ETC. AND DRAWING. WALL BOARD AND BUILDING PAPER.** Registered Sept. 15, 1925. THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y. Renewed Sept. 15, 1945, to Certain-teed Products Corporation, Chicago, Ill., a corporation of Maryland. Class 12.
- 203,817. **"MISSION BRAND" AND DRAWING. EGGS.** Registered Sept. 29, 1925. SWIFT & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Sept. 29, 1945. Class 46.
- 203,859. **KENWOOD. FRESH, SALTED, AND SMOKED PORK, AND CORNED AND CURED BEEF.** Registered Sept. 29, 1925. SWIFT & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Sept. 29, 1945. Class 46.
- 204,084. **FANCY PIE MIX. OLEOMARGARINE.** Registered Oct. 6, 1925. JOHN F. JELKE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Oct. 6, 1945. Class 46.
- 204,085. **CAKE MIXTURE NO. 7. OLEOMARGARINE.** Registered Oct. 6, 1925. JOHN F. JELKE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Oct. 6, 1945. Class 46.

- 204,086. **FANCY CAKE MIXTURE. OLEOMARGARINE.** Registered Oct. 6, 1925. JOHN F. JELKE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Oct. 6, 1945. Class 46.
- 204,144. **LEAFALFA. MEAL MADE PRINCIPALLY FROM ALFALFA LEAF.** Registered Oct. 6, 1925. THE DENVER ALFALFA MILLING & PRODUCTS CO., Lamar, Colo. Renewed Oct. 6, 1945, to Ralston Purina Company, St. Louis, Mo., a corporation of Missouri. Class 46.
- 204,148. **DITZCO. OIL FINISH.** Registered Oct. 6, 1925. DITZLER COLOR CO., Detroit, Mich. Renewed Oct. 6, 1945, to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania. Class 16.
- 204,211. **REPRESENTATION OF A LADY HOLDING A SHOE, ETC. BOOTS, SHOES, AND SLIPPERS MADE OF LEATHER, RUBBER, AND FABRIC OR COMBINATIONS THEREOF.** Registered Oct. 13, 1925. SCHOLL MANUFACTURING COMPANY, INC. Renewed Oct. 13, 1945, to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York. Class 39.
- 204,437. **GOLD SEAL. TOMATO CATCHUP, CANNED STRAWBERRIES, CANNED PEARS, CANNED GREEN GOOSEBERRIES, CANNED CHERRIES, CANNED BEANS, CANNED PINEAPPLE, CANNED PEAS, CANNED PEACHES, CANNED BLACKBERRIES, AND CANNED PORK AND BEANS.** Registered Oct. 20, 1925. THE BOOTH PACKING COMPANY, Branch of Gibbs & Company Inc. Renewed Oct. 20, 1945, to Gibbs & Company, Incorporated, Baltimore, Md., a corporation of Maryland. Class 46.
- 204,482. **SCOTTISH HEATH FABRIC. PIECE GOODS OF WORSTED AND OF WORSTED AND COTTON MIXTURE.** Registered Oct. 20, 1925. I. A. WYNER & CO., INC., New York, N. Y., a corporation of New York. Renewed Oct. 20, 1945. Class 42.
- 204,580. **SILHOUETTE. NARROW FABRIC LACES.** Registered Oct. 20, 1925. THE NARROW FABRIC CO., West Reading, Pa., a corporation of Pennsylvania. Renewed Oct. 20, 1945. Class 42.
- 204,679. **"HONOR" ETC. AND DRAWING. BIAS FOLD TAPE.** Registered Oct. 20, 1925. J. C. PENNEY COMPANY, Wilmington, Del. and New York, N. Y. Renewed Oct. 20, 1945, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. Class 40.
- 204,776. **QUICK APETHA. SOAP CHIPS.** Registered Oct. 27, 1925. SWIFT & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Oct. 27, 1945. Class 4.
- 204,884. **ONIXOL. REMEDY FOR INGROWING TOENAILS AND IRRITATION AROUND THE NAIL GROOVE.** Registered Oct. 27, 1925. SCHOLL MANUFACTURING COMPANY, INC. Renewed Oct. 27, 1945, to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York. Class 6.
- 204,967. **"FERROCRETE" AND DRAWING. PORTLAND CEMENT.** Registered Oct. 27, 1925. THE ASSOCIATED PORTLAND CEMENT MANUFACTURERS, LIMITED, Westminster, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed Oct. 27, 1945. Class 12.
- 205,115. **SANI-PAD. PADS USED AS MATTRESS PROTECTORS.** Registered Nov. 3, 1925. R. H. MACY & CO., INC., New York, N. Y., a corporation of New York. Renewed Nov. 3, 1945. Class 44.
- 205,702. **REPRESENTATION OF A GREEN LABEL. COTTON PIECE GOODS.** Registered Nov. 17, 1925. MINOT, HOOPER & CO., New York, N. Y., a firm. Renewed Nov. 17, 1945. Class 42.
- 205,716. **DORMY. SMOKING TOBACCO AND CIGARETTES, WHETHER MANUFACTURED OR UNMANUFACTURED.** Registered Nov. 17, 1925. HATCH MANSFIELD & CO., LIMITED, doing business as Cestrada Cigarette Co., London, England. Renewed Nov. 17, 1945, to R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York. Class 17.

- 205,717. **CESTRADA. CIGARETTES.** Registered Nov. 17, 1925. HATCH MANSFIELD & CO., LIMITED, doing business as Cestrada Cigarette Co., London, England. Renewed Nov. 17, 1945, to R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York. Class 17.
- 205,771. **"SUNSET BRAND" AND DRAWING. EGGS.** Registered Nov. 17, 1925. SWIFT & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Nov. 17, 1945. Class 46.
- 205,838. **KIA-ORA. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK.** Registered Nov. 17, 1925. KIA-ORA, LIMITED, Prahran, Victoria, Australia, and London, England. Renewed Nov. 17, 1945, to Kia-Oru, Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 45.
- 205,846. **"SUREWHITE" AND DRAWING. BLEACHING FLUID.** Registered Nov. 17, 1925. JASON J. KITNESS. Renewed Nov. 17, 1945, to Chlorine Solutions, Inc., Los Angeles, Calif., a corporation of California. Class 6.
- 205,913. **"WARSHIP" AND DRAWING. CANNED SARDINES.** Registered Nov. 17, 1925. AFRICAN & EASTERN TRADING CO. INCORPORATED, New York, N. Y., a corporation of New York. Renewed Nov. 17, 1945. Class 46.
- 206,144. **TIGERTWIST. MEN'S AND BOYS' COATS, VESTS, TROUSERS, AND OVERCOATS.** Registered Nov. 24, 1925. B. KUPPENHEIMER & CO. INC., Chicago, Ill., a corporation of Illinois. Renewed Nov. 24, 1945. Class 39.
- 206,294. **DEAUVILLE. MEN'S AND BOYS' FLANNEL COATS, VESTS, AND TROUSERS.** Registered Nov. 24, 1925. B. KUPPENHEIMER & CO., INC., Chicago, Ill., a corporation of Illinois. Renewed Nov. 24, 1945. Class 39.
- 206,323. **"I-N-CO." AND DRAWING. STATIONERY SUPPLIES—NAMESLY, STATIONERY TABLETS, BLOTTERS, PADS, NOTEBOOKS, BLANK PAGES.** Registered Nov. 24, 1925. INTERBOROUGH NEWS COMPANY, New York, N. Y., a corporation of New York. Renewed Nov. 24, 1945. Class 37.
- 206,443. **WBC. BRICK AND TILE.** Registered Dec. 1, 1925. WESTERN BRICK COMPANY, Danville, Ill., a corporation of Illinois. Renewed Dec. 1, 1945. Class 12.
- 206,658. **CALMITOL. PHARMACEUTICAL PRODUCT—NAMESLY, A PREPARATION FOR SKIN ITCHING.** Registered Dec. 8, 1925. AKTIENGESELLSCHAFT VORMALS B. SIEGFRIED, Zofingen, Switzerland. Renewed Dec. 8, 1945, to Gane and Ingram Inc., New York, N. Y., a corporation of New York. Class 6.
- 206,986. **OLE-RA-TONE. SOCKETS FOR VACUUM TUBES.** Registered Dec. 15, 1925. BENJAMIN ELECTRIC MANUFACTURING COMPANY, Chicago, Ill. Renewed Dec. 15, 1945, to Benjamin Electric Mfg. Company, Des Plaines, Ill., a corporation of Illinois. Class 21.
- 207,312. **RODEO. COTTON BLANKETS.** Registered Dec. 29, 1925. BEACON MANUFACTURING COMPANY, New Bedford, Mass. Renewed Dec. 29, 1945, to Beacon Manufacturing Company, Swannanoa, N. C., a corporation of Massachusetts. Class 42.
- 207,851. **"BESTYLE" AND DESIGN. SLIPPERS FOR MEN, WOMEN, AND CHILDREN, OF LEATHER, RUBBER, OR FABRIC AND COMBINATIONS OF THESE MATERIALS.** Registered Jan. 12, 1926. S. GOLDBERG & CO., INC., West New York, N. J. Renewed Jan. 12, 1946, to S. Goldberg & Co., Inc., Hackensack, N. J., a corporation of New Jersey. Class 39.
- 207,954. **BRAND'S. MEAT EXTRACTS, MEAT ESSENCES, CANNED AND BOTTLED SOUPS, CANNED AND BOTTLED BROTHS, TABLE JELLIES, TURTLE SOUP, TURTLE-SOUP CUBES, TURTLE JELLY, PRESERVED TURTLE MEAT, SUN-DRIED TURTLE MEAT; HERBS USED IN THE PREPARATION OF TURTLE MEAT—I. E., TURTLE HERBS; INVALID FOOD PREPARATIONS, CANNED FISH; TINNED AND BOTTLED COOKED MEATS—NAMESLY, BEEF PORK, MUTTON, AND TONGUE; TINNED AND BOTTLED POULTRY, TINNED AND BOTTLED MEAT PASTES AND FISH PASTES, TINNED AND BOTTLED GAME PREPARATIONS, TINNED AND BOTTLED VEGETABLE PREPARATIONS; AND OTHER CERTAIN NAMED FOOD PRODUCTS.** Registered Jan. 12, 1926. BRAND & COMPANY, LIMITED, London and Leicester, England. Renewed Jan. 12, 1946, to Brand & Co. Ltd., London, England, a United Kingdom corporation. Class 46.
- 207,971. **CARNATION. MELONS.** Registered Jan. 12, 1926. HELEN S. SPEICH, as executrix of the estate of Frederick H. Speich, deceased, doing business as F. H. Speich & Co., Riverside, Calif. Renewed Jan. 12, 1946, to A. Arena & Co., Ltd., Los Angeles, Calif., a corporation of Calif. Class 46.
- 208,026. **BAINAQUA. PERFUMES, TOILET WATERS, BATH SALTS, AND FACE, HAIR, AND HAND LOTIONS.** Registered Jan. 19, 1926. LEIGH CHEMIST, INC., New York, N. Y. Renewed Jan. 19, 1946, to Shulton, Inc., Hoboken, N. J., and New York, N. Y., a corporation of New Jersey. Class 6.
- 208,058. **"TA-TO-LAC" AND DESIGN. CHEMICAL PREPARATION SUITABLE FOR IMPROVING THE YIELD, TASTE, AND KEEPING QUALITIES OF BREAD, CAKE, AND THE LIKE.** Registered Jan. 19, 1926. INNIS, SPEIDEN & CO., INC. Renewed Jan. 19, 1946, to Innis, Speiden & Co., New York, N. Y., a corporation of Delaware. Class 8.
- 208,063. **"WEBER'S ALDURO" AND DRAWING. DRAWING INSTRUMENTS, SUCH AS COMPASSES WITH FIXED PENCIL AND NEEDLE POINT, COMPASSES IN LENGTHENING BARS, DIVIDERS, HAIRSPRING DIVIDERS, PROPORTIONAL DIVIDERS, MICROMETER PROPORTIONAL DIVIDERS, STEEL SPRING BOW DIVIDERS, STEEL SPRING BOW PENCILS, STEEL SPRING BOW PENS, STEEL DROP SPRING BOW OR RIVET PENS, BEAM COMPASSES, RULING PENS, DOTTING PENS, DOTTING INSTRUMENTS, BORDER PENS, RAILROAD PENS, RAILROAD PENCILS, DOUBLE-BORDER PENS, ADJUSTABLE-BOW PENS, SWEDISH RULING PENS, AND DETAIL PENS.** Registered Jan. 19, 1926. F. WEBER CO., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Jan. 19, 1946. Class 26.
- 208,068. **BOILER PEP. FEED WATER TREATMENT FOR CONDITIONING BOILER WATER, DISSOLVING AND REMOVING BOILER SCALE, SUSPENDED MATTER, AND OIL WHILE BOILER IS IN OPERATION, AND FOR SOFTENING, PURIFYING, COAGULATING, AND CLARIFYING BOILER WATER.** Registered Jan. 19, 1926. REITER CO. Renewed Jan. 19, 1946, to Elgin Softener Corporation, Elgin, Ill., a corporation of Illinois. Class 6.
- 208,082. **"SUNSEAL" AND DRAWING. COOKED AND UNCOOKED WHITE CORN FLAKES.** Registered Jan. 19, 1926. THE PATENT CEREALS COMPANY, Geneva, N. Y., a corporation of New York. Renewed Jan. 19, 1946. Class 46.

208,090. **DAWN. BREAKFAST DRINK USED AS A SUBSTITUTE FOR COFFEE.** Registered Jan. 19, 1926. **AMERICAN STORES COMPANY**, Philadelphia, Pa., a corporation of Delaware. Renewed Jan. 19, 1946. Class 46.

208,184. **DEFIANCE. OLEOMARGARINE.** Registered Jan. 19, 1926. **JOHN F. JELKE COMPANY**, Chicago, Ill., a corporation of Illinois. Renewed Jan. 19, 1946. Class 46.

208,185. **DERBY. OLEOMARGARINE.** Registered Jan. 19, 1926. **JOHN F. JELKE COMPANY**, Chicago, Ill., a corporation of Illinois. Renewed Jan. 19, 1946. Class 46.

208,201. **ASCO. BROOMS.** Registered Jan. 19, 1926. **AMERICAN STORES COMPANY**, Philadelphia, Pa., a corporation of Delaware. Renewed Jan. 19, 1946. Class 29.

REISSUES

OCTOBER 30, 1945

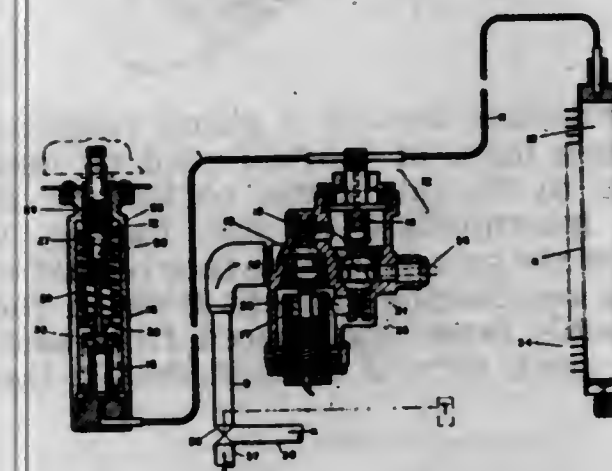
22,685

VALVE ARRANGEMENT

Willis H. Carrier, Syracuse, N. Y., assignor to **Carrier Corporation**, Syracuse, N. Y., a corporation of Delaware

Original No. 2,342,328, dated February 22, 1944, Serial No. 424,577, December 27, 1941. Application for reissue September 9, 1944, Serial No. 553,472

14 Claims. (Cl. 236—1)



12. A change-over valve comprising a housing, a change-over element disposed in said housing, means responsive to temperature of fluid entering the housing for causing said element to assume a first position when cooled fluid is fed to the housing and a second position when heated fluid is fed to the housing, a device for opening and closing a passageway from which fluid is discharged from the housing, and means operative responsive to changing conditions in an area being air conditioned for causing said device to tend to reduce the flow of fluid from the housing while heated fluid is being fed to the housing and said element is in the second position when the temperature in such area tends to rise above a desired level whereas said means responsive to changing conditions in the area being air conditioned causes said device to tend to increase the flow of fluid from the housing while cooled fluid is being fed to the housing and said element is in the first position when the temperature in such area tends to rise above a desired level.

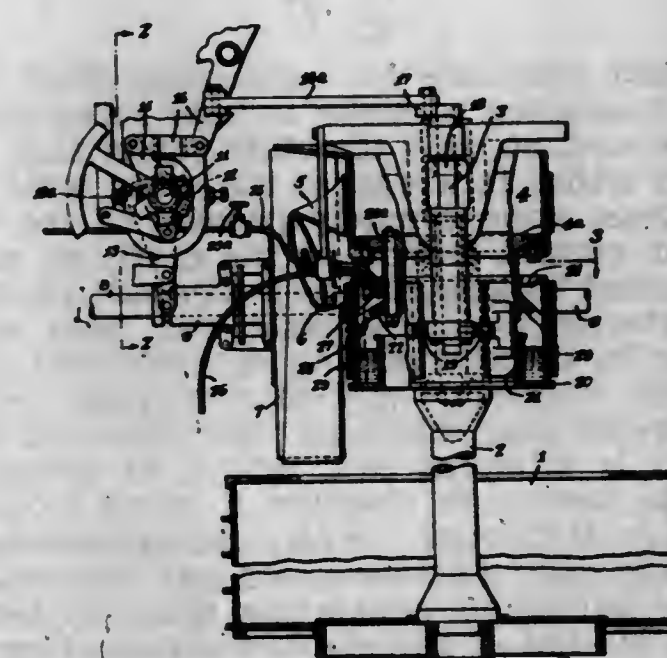
22,686

BRAKE COOLING FOR CENTRIFUGALS AND THE LIKE

Eugene Roberts, Hastings, N. Y., assignor to **The Western States Machine Company**, New York, N. Y., a corporation of Utah

Original No. 2,096,341, dated October 19, 1937, Serial No. 755,333, November 30, 1934. Application for reissue February 13, 1945, Serial No. 577,613

7 Claims. (Cl. 188—264)



1. A centrifugal machine having a central basket shaft provided with a driving pulley and a brake drum having an annular trough for cooling liquid adjacent the inner periphery thereof, means including a control shaft by which the energizing of the driving pulley and the energizing of the brake is alternatively effected, and means for supplying cooling liquid into said trough, said liquid supplying means being responsive to movement of said control shaft to supply liquid while the driving means is active and to cut off the liquid supply when the brake is active.

PATENTS

GRANTED OCTOBER 30, 1945

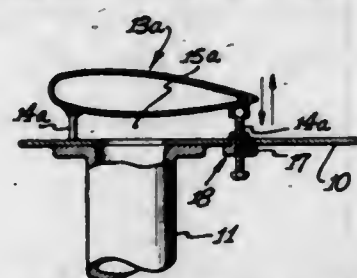
2,387,708

SPILL FOR AIRCRAFT

Albert A. Arnheim, Los Angeles, Calif., assignor to Solar Aircraft Company, San Diego, Calif., a corporation of California

Application May 9, 1944, Serial No. 534,795

1 Claim. (Cl. 98-20)

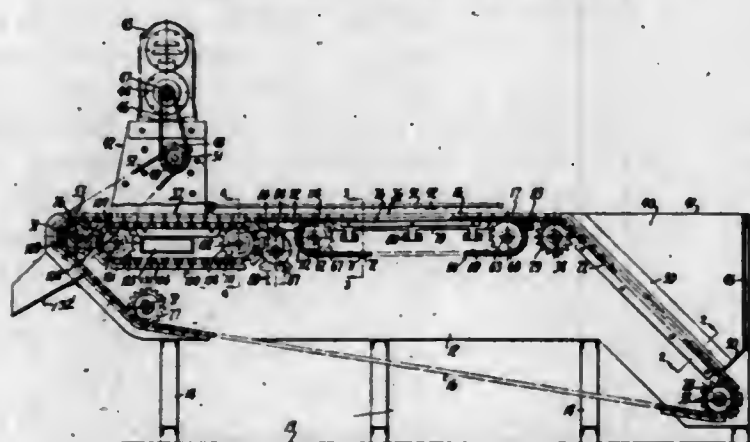


A spill structure for exhausting fluid out of a craft adapted to move at high speed through a fluid medium, said structure comprising a discharge orifice in a wall of the craft, which wall is at least approximately parallel to the direction of normal motion of the craft, an air-foil juxtaposed to said orifice in spaced relation to the exterior surface of said wall, said air-foil having its thickest portion opposite said orifice, whereby to provide a Venturi passage between the air-foil and said wall, the throat of which venturi is adjacent said orifice to reduce the pressure therein in response to rapid movement of said craft through the air, and adjustable strut means extending between said wall and said air-foil for adjustably supporting different portions of said air-foil at adjustable distances from said wall.

2,387,709

ORIENTATION OF FRUIT

George W. Ashlock, Jr., Oakland, Calif.
Application February 13, 1945, Serial No. 577,635
12 Claims. (Cl. 198-33)



1. A machine for positioning a generally spherical indented article having at least one face thereon capable of supporting the article stably on a horizontal surface, said machine comprising a first conveyor movable over a path at a substantially constant rate, said conveyor including a series of apertures each adapted to restrain an article against unrestricted horizontal movement, a second conveyor movable at said rate over a path to position a pair of spaced wheels beneath each aperture to support an article in said aperture and rotate said supported article about a horizontal axis, means for rotating a positioned wheel about a horizontal axis, and means extending between said wheels and biased to move upwardly therebetween to engage the indent in said article and lock the article with said face horizontal.

738

2,387,710

INNER SOLE

Fred L. Ayers, Watertown, Mass.
Application March 24, 1943, Serial No. 480,320
3 Claims. (Cl. 36-22)

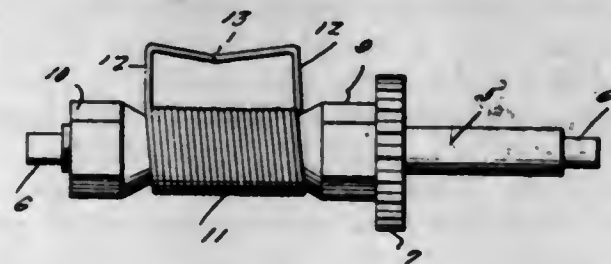


1. An innersole having a stitch receiving rib comprising a layer of fabric folded on itself intermediate to its side edges to form a double layer rib intermediate to side flanges, which side flanges are secured to one face of said innersole, and a reinforcing element lying in the fold of said double layer and spaced from said face by a thin neck formed by said double layer of fabric.

2,387,711

BRAKE MECHANISM

Russell L. Barr, Elmira, N. Y.
Application July 17, 1943, Serial No. 495,191
3 Claims. (Cl. 188-77)

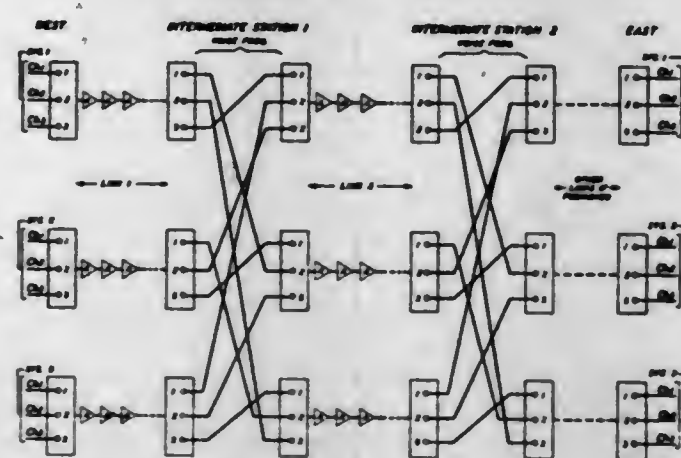


1. A brake mechanism of the character stated, comprising an arbor, a gear fixed on the arbor, a pair of adjustable nuts on the arbor and a coiled compression spring interposed between and frictionally held by the nuts the ends of said spring being extended laterally of the arbor to form a resilient loop engageable by a brake arm.

2,387,712

TRANSMISSION SYSTEM

Harold S. Black, Elmhurst, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 4, 1944, Serial No. 529,498
5 Claims. (Cl. 179-78)



1. In a group of multiplex carrier systems each of which systems comprises a plurality of sepa-

OCTOBER 30, 1945

U. S. PATENT OFFICE

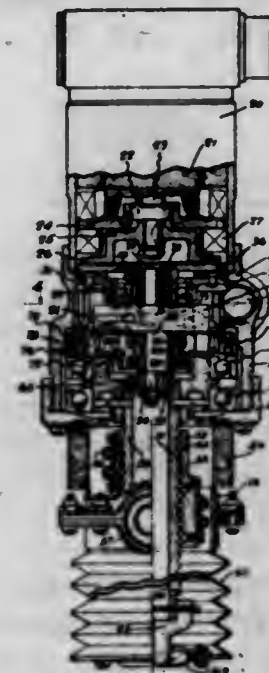
739

rate frequency channels and includes two terminals and an intermediate station, the method of reducing both frequency-dependent transmission impairment and non-frequency-dependent transmission impairment which comprises the steps of interconnecting frequency channels of one of said systems to frequency channels of another of said systems at said intermediate station and changing the order of the frequency channels as they are interconnected.

2,387,713

ACTUATOR

Zerbe C. Bradford, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 27, 1944, Serial No. 542,406
4 Claims. (Cl. 74-291)



1. In a device of the character described, the combination with a screw shaft; a load supporting, travelling nut on said shaft; an electric motor for rotating said shaft in one direction to lift the load and in the opposite direction to lower the load; speed reducing gearing comprising two ring gears, the first held against rotation, the second attached to the screw shaft and an epicyclic gear meshing with both ring gears; a stub shaft driven by the electric motor and having an eccentric portion upon which the epicyclic gear is rotatably supported; and a spring loaded weight pivotally carried by the stub shaft, said weight being operative to be thrown into frictional engagement with the first ring gear at a predetermined speed of the stub shaft, thereby providing a centrifugal brake for limiting the rotational speed of the screw shaft in the load lowering direction.

2,387,714

ADSORBENT MAKING AND USING SAME

Southwick W. Briggs, Washington, D. C., assignor to Briggs Clarifier Company, Washington, D. C., a corporation of Delaware
Application October 28, 1938, Serial No. 237,554
9 Claims. (Cl. 210-204)

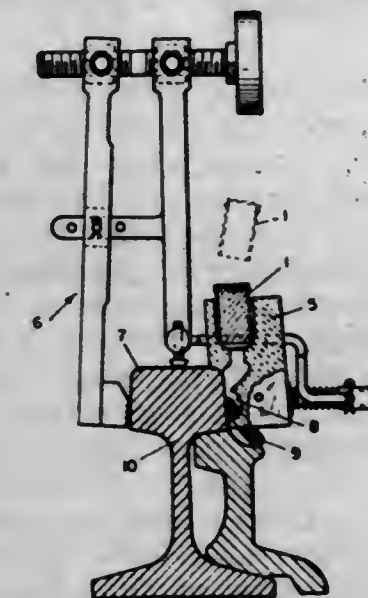


1. A device for purifying fluid comprising a roll of embossed cellulose wadding having ribs dis-

posed axially with respect to the roll, and having between adjacent surfaces of the wadding within the roll a flexible adsorbent material containing cellulosic fiber and finely divided bauxite of under 60 mesh in fineness, said adsorbent mixture being dense and compact and containing over 25 percent by weight of the bauxite.

2,387,715

WELDING MATERIALS AND PROCESSES
Charles A. Cadwell, Cleveland Heights, Ohio, assignor to The Electric Railway Improvement Company, Cleveland, Ohio, a corporation of Ohio
Application August 8, 1942, Serial No. 454,189
26 Claims. (Cl. 75-27)

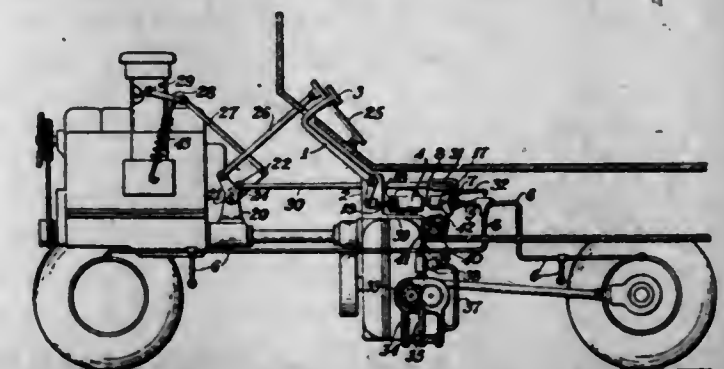


1. In the production of metal having a lower melting point than iron by the exothermic reaction between an oxide of such metal and aluminum, the step which comprises including in the reaction mixture sufficient metallic iron to reduce a substantial part of such oxide.

2,387,716

BRAKING SYSTEM FOR AUTOMOTIVE VEHICLES

William E. Chilton, Shaker Heights, Ohio
Application July 2, 1941, Serial No. 400,771
2 Claims. (Cl. 192-3)

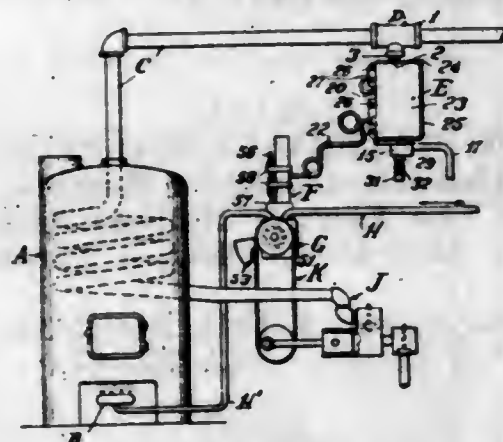


1. In a braking system for automotive vehicles, the combination of a motor for driving the vehicle; an accelerator for increasing the speed of the motor; means for applying the brakes of the vehicle; a device for maintaining said brakes applied, including a movable member; means responsive to the speed of the vehicle for actuating said member for releasing said brakes; lever mechanism interconnecting said accelerator and said member for directly actuating said member by movement of said accelerator for releasing said brakes when the accelerator is moved to a motor speed increasing position; and means forming a lost motion connection between said accelerator and said member whereby said member may be actuated by said speed responsive means without affecting said accelerator.

2,387,717

STEAM QUALITY CONTROLLER

Alick Clarkson, Bloomingdale Township, Du Page County, Ill.
Application January 31, 1942, Serial No. 429,032
6 Claims. (Cl. 236-32)

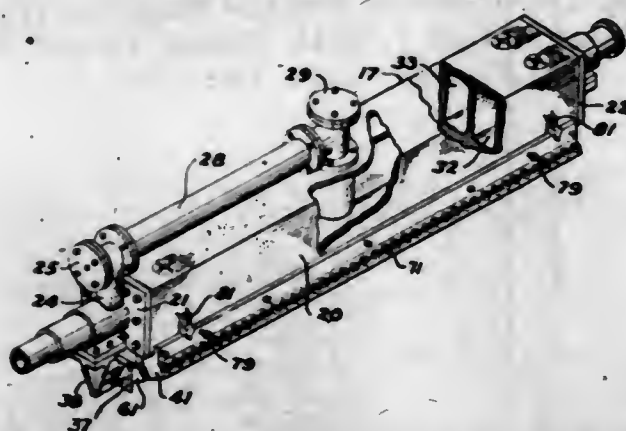


1. Apparatus for controlling a steam generator to continuously produce steam of a substantially constant quality, comprising an insulated expansion chamber having an opening to the atmosphere so that the chamber is maintained at substantially atmospheric pressure, means for continuously selecting a sample of the generated steam and releasing said sample into the chamber, a closed container for a heat responsive fluid, said container comprising a portion of substantially constant volume positioned in heat transfer relation to the expansion chamber and an expansible and contractible portion positioned outside the chamber, a variable positioned device for regulating the rate of fuel flow to the generator, and means actuated by the movable portion of the container for limiting the operating range of said device.

2,387,718

EXTRUSION APPARATUS

Clarence E. Coleman, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application November 10, 1942, Serial No. 465,138
5 Claims. (Cl. 18-15)



1. A film extrusion apparatus comprising a body section, a pair of spaced orifice-defining lips, means for differentially adjusting said lips along the length thereof to regulate the contour of opposite sides of said orifice, and a laterally adjustable lip supporting block connected between each lip and said body section.

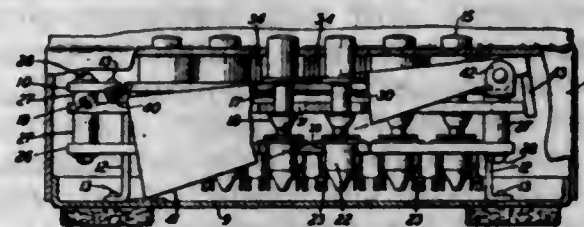
2,387,719

KEY-EQUIPPED TELEPHONE SET

Stanley T. Curran, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 28, 1942, Serial No. 436,669
8 Claims. (Cl. 200-5)

1. In combination, a key unit comprising a plurality of switching keys, all of which may be

operated at one time, means for effectively locking all of said keys when all of said keys are

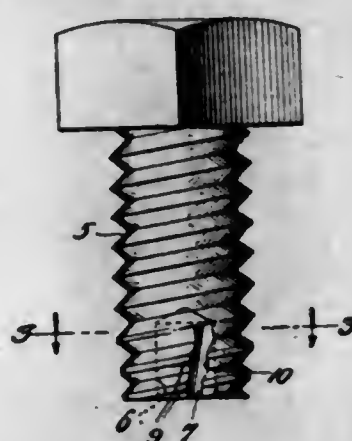


operated at one time, and means operated by gravity when said key unit is turned upside down for tripping said locking means.

2,387,720

SELF-THREADING SCREW

Frank L. Davis, College Point, Long Island, N. Y.
Application June 26, 1944, Serial No. 542,186
4 Claims. (Cl. 85-47)

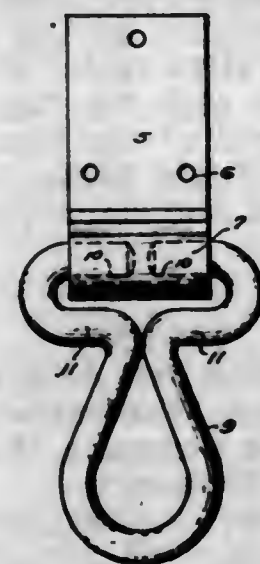


1. A thread cutting screw member having a longitudinal eccentrically disposed hole in the entering end of the same and located completely within the body of said member and there being a slot cut through said member tangentially into the eccentrically disposed hole to provide a tangential planing edge.

2,387,721

SWING BRACKET

Peter De Bruin, Monterey Park, Calif.
Application May 1, 1944, Serial No. 533,543
1 Claim. (Cl. 248-341)



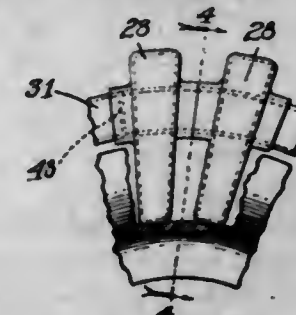
A swing bracket comprising a fixed part having a lower horizontal bearing eye extending thereacross, said eye being open at the top, and a movable loop comprising a rope receiving eye at its lower portion, a horizontal bearing portion at its top dimensioned to fit and be journaled in the horizontal bearing eye of the fixed part and an intermediate transverse portion underlying the last named eye and close enough thereto to prevent said bearing portion from moving upwardly out of its bearing eye until said trans-

verse portion has been swung from beneath said bearing eye, and wherein the underside of the horizontal bearing portion of the loop is upon the arc of a circle and the upper side thereof is flattened, the width of the opening at the top of the bearing eye being less than the diameter of the arcuate part of the bearing portion and greater than the width of said bearing portion upon a line perpendicular to the flattened part thereof.

2,387,722

METHOD OF MAKING VANED ELEMENTS

Adiel Y. Dodge, Rockford, Ill.
Application March 25, 1942, Serial No. 436,087
2 Claims. (Cl. 29-156.8)



1. The method of forming a vaned element for a hydraulic torque transmitting device comprising forming a plurality of vane members from sheet metal, each of said vane members having a vane portion and a flange portion, forming a strip of sheet metal into an annulus with its ends separated, assembling the vane members and the annular strip with soldering material between the abutting surfaces and with the ends of said strip overlying a flange portion of one of the vane members, and heating the assembly to fuse the parts together.

2,387,723

MANUFACTURE OF ORGANIC COMPOUNDS

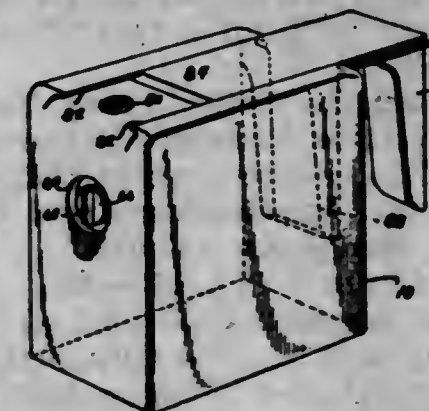
Henry Dreyfus, London, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application March 25, 1941, Serial No. 385,203. In Great Britain April 3, 1940
4 Claims. (Cl. 260-680)

1. Process for the manufacture of di-olefines which comprises heating a mono-chlorinated mono-olefine in which the chlorine atom is attached to a carbon atom other than those united by the double bond in the presence of a finely divided metal selected from the group consisting of copper and silver and obtained by reduction of a salt thereof in an aqueous medium.

2,387,724

PORTABLE STEAMING APPARATUS

Helen K. Elman and Rudolph C. Bergmann, New York, N. Y.
Application March 29, 1944, Serial No. 528,539
6 Claims. (Cl. 219-38)



1. A portable device for steaming garments and the like comprising a hollow moulded body

member forming a steam chamber and adapted to enclose a heating element, opposed flanges integral with and spaced from one wall thereof providing a guideway within the confines of the body, a discharge nozzle in the said wall, a handle having an extension slidable in said guideway and adapted to cover and uncover said nozzle.

2,387,725

WELL SCREEN

Virgil F. Every, Rochelle Park, N. J.
Application January 28, 1944, Serial No. 520,014
5 Claims. (Cl. 166-5)



1. In a well screen, oppositely disposed externally threaded cylindrical end members each having an annular groove in its outer face adjacent the inner end thereof providing an annular bead extending from said groove to the inner end of the end member, bars having beveled side walls and formed with notches adjacent their opposite ends extending inwardly from their inner edges and receiving therein the annular beads of said end members respectively with the extremities of said bars interfitting in said annular grooves disposing said bars in longitudinally extending relation between and interconnected with said end members, each of said bars having its opposite ends externally rabbeted providing a shoulder disposed in spaced relation to each of said notches respectively, collars slidably fitted upon said end members respectively and engaging in said rabbets and abutting against said shoulders of the said bars so as to overlie the ends of the bars to thereby releasably retain the bars in interfitting relation with the end members, said bars having notches intermediate their opposite ends extending inwardly from their inner edges, a band disposed in said last mentioned notches to thereby releasably retain said bars in circumferential spaced relation and threaded coupling members threadedly engaging over the outer ends of said end members for retaining said collars in position on said end members respectively and providing means for coupling the well screen in a pipe line.

2,387,726

FILTERING MEDIUM

José M. Garriga, Lima, Peru, assignor to Corporación Peruana del Amazonas, Lima, Peru, a corporation of Peru
Application May 18, 1943, Serial No. 487,493
In Peru December 9, 1942
2 Claims. (Cl. 210-205)

1. A porous hardened filtering medium for separating the liquid constituents from the gum

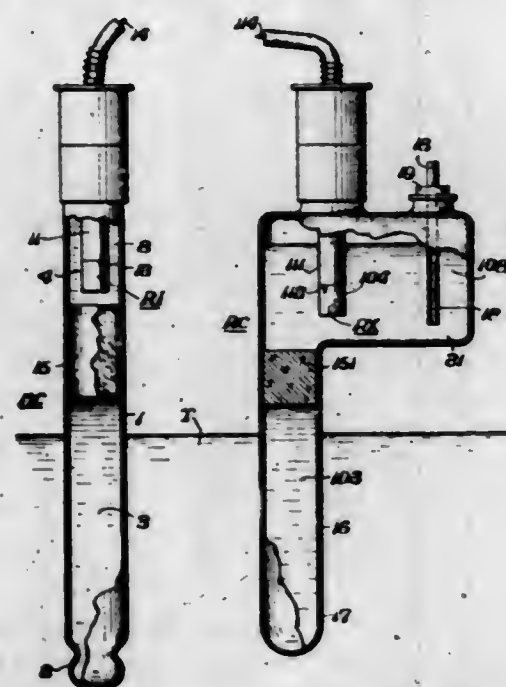
constituents of latex, comprising a major pro-



portion of calcined gypsum and minor proportions of Portland cement and talcum powder.

2,387,727

HALF CELL WITH THERMAL BARRIER
James B. Godshalk, Philadelphia, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 21, 1942, Serial No. 431,834
6 Claims. (Cl. 204-195)



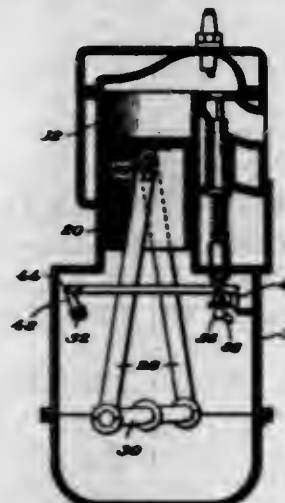
3. A half-cell for determination of ionic characteristics of a test solution at a temperature in excess of 50° C. comprising a receptacle for partial immersion in the test solution, a body of electrolyte in one portion of said receptacle and partaking, through the wall of said receptacle, of a temperature approximately that of said solution, a second body of electrolyte in another portion of said receptacle, a reference electrode, whose potential is dependent upon its temperature, in electrically conductive connection with and in said second body of electrolyte, and means for maintaining the potential of said electrode substantially fixed, at a magnitude corresponding with a temperature substantially equal to the ambient temperature, irrespective of the temperature of said test solution comprising a plug of highly electrically and thermally insulating material closely fitting in said receptacle for separating said bodies of electrolyte and providing between its exterior and the wall of said receptacle a film of electrolyte as the only electrical connection between said bodies of electrolyte and substantially completely preventing heat-transfer from said first body of electrolyte to said reference electrode.

2,387,728

INTERNAL-COMBUSTION ENGINE
Arthur G. Harris, Fallsade, Colo.
Application February 4, 1943, Serial No. 474,731
2 Claims. (Cl. 123-182)

1. In a compression relief device for internal combustion engines having exhaust valve tappets and cam means for actuating said tappets, each tappet formed with a circumferential groove providing a reduced portion and a shoulder above and below the reduced portion, a rotary shaft, an arm on the shaft keyed for limited independent pivotal movement, a slidable member pivotally

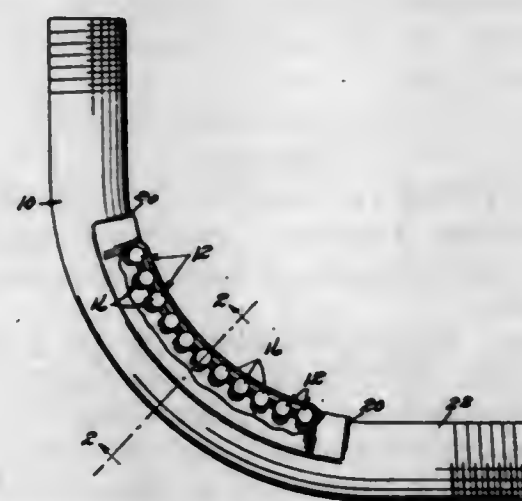
connected with said arm, means on the slidable member for engaging in the groove in the tappet to contact the shoulders when moved in one direction by rotation of the shaft, a camming element on said means adapted to be engaged by the tappet cam operating device to lift the tappet



advancedly of its normal actuation by the tappet cam operating device, a resilient connection between the shaft and the arm for yieldingly biasing the slidable member into operable relationship with the tappet, and means for rotating the shaft.

2,387,729

CABLE ELBOW
Joseph E. Harvile, Tacoma, Wash.
Application November 1, 1943, Serial No. 508,541
2 Claims. (Cl. 138-47)



1. A cable housing elbow having slots therein, said slots being shaped to provide bearing faces and extending circumferentially of the elbow, roller elements having bearing engagement with the walls of said slots and projecting partly inside the elbow to be engaged by a cable pulled therethrough, and a cover means attached to the outside of the elbow for holding said roller elements in position and to enclose the roller elements.

2,387,730

PROCESS FOR OBTAINING CORK-LIKE PRODUCTS FROM POLYMERS OF ETHYLENE

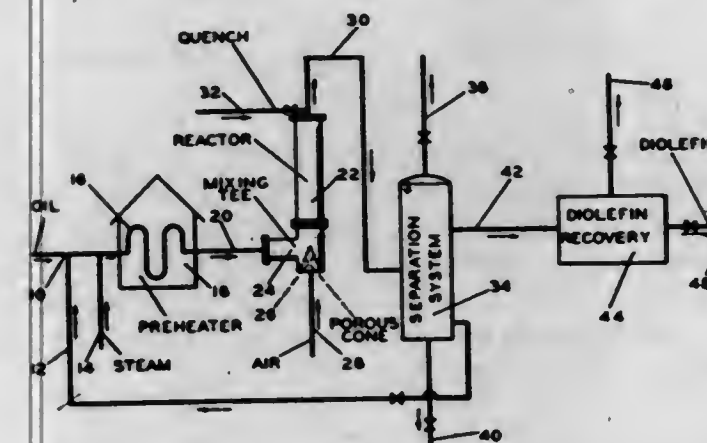
Witty L. Alderson, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 7, 1942, Serial No. 438,039
1 Claim. (Cl. 260-94)

A process for preparing porous ethylene polymer which comprises heating the polymer at least to its melting point and between 100° to 200° C., in a closed vessel under a pressure of 545 pounds per square inch of a gas soluble in the molten polymer, partially reducing the pressure of said

gas by at least 25% but to a pressure of at least 20 pounds per square inch on the molten polymer without substantial change in its temperature, the partial pressure reduction being effected by bleeding said gas from the vessel during a time interval of from 0.2 to 5 minutes, and then solidifying the polymer by cooling the molten polymer in the closed vessel under the pressure which obtains therein after the above mentioned partial reduction in pressure.

2,387,731

MANUFACTURE OF DIOLEFINS
John Gordon Allen, Forest Hills, N. Y., assignor to Phillips Petroleum Company, a corporation of Delaware
Application July 6, 1943, Serial No. 493,671
12 Claims. (Cl. 260-680)



1. A process for producing low-boiling diolefin hydrocarbons, which comprises preheating a gaseous mixture of steam and a nonaromatic hydrocarbon material having four to twelve carbon atoms per molecule to a temperature of at least about 1100° F., passing said preheated mixture to a partial-combustion-reaction zone, passing also to said zone a gas containing free oxygen in an amount between about 0.15 and 0.25 pound of free oxygen per pound of hydrocarbon material, introducing said oxygen-containing gas into said zone through an incandescent porous refractory material of relatively large surface area and coated on the inside surface with a metal oxide combustion catalyst, introducing said preheated steam-hydrocarbon mixture into said zone at a point immediately adjacent said catalyst-coated surface and in a manner such that the resulting gases pass directly away from said surface to and through a reaction zone which is in relatively free communication with but extends away from said surface, retaining said resulting gases in said reaction zone at the resulting temperature for a time such as to effect an optimum production of low-boiling diolefins, shock-cooling said gaseous mixture at the end of said reaction time to effect a cessation of hydrocarbon conversion reactions, and recovering a low-boiling diolefin so produced.

2,387,732

VEHICLE SPRING SUSPENSION
Delbert F. Bailey, Toronto, Ontario, Canada
Application April 15, 1943, Serial No. 483,223
1 Claim. (Cl. 267-17)

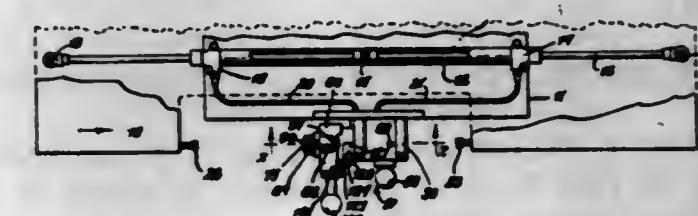


A vehicle spring suspension comprising, the combination with the vehicle frame, of an arm

having a jaw end pivotally connected to the forward end of said frame and flaring rearwardly and having a pair of spring seats spaced apart transversely thereof at the extremity of the flared portion, a shackle pivotally mounted between said spaced-apart spring seats, spring seats mounted either side of said frame above the spring seats of said arm, coil compression springs arranged between the spaced-apart arm and frame seats, and a leaf spring pivotally connected to the free end of said shackle and pivotally connected at its rear end to the frame.

2,387,733

QUICK-ACTING CONTROL VALVE
Charles A. Balton, Buffalo, N. Y., assignor to Sav-Way Industries, Detroit, Mich., a partnership
Application August 31, 1943, Serial No. 500,681
8 Claims. (Cl. 121-45)



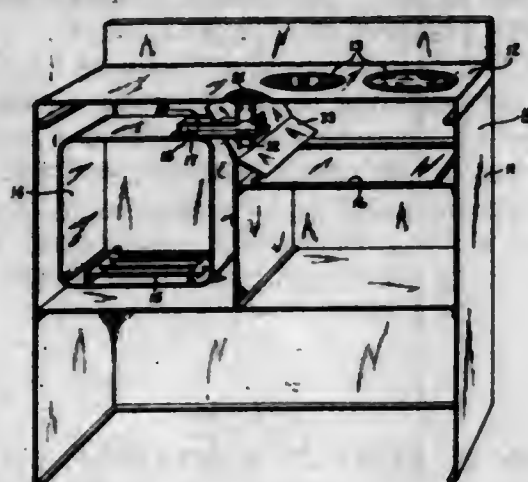
4. A reversing valve mechanism for a part reciprocated by a piston in a cylinder and having spaced stops to determine the length of the stroke of said part, comprising a cylindrical valve body having a coaxial bore arranged parallel with the line of movement of said part, fluid lines connecting said bore with opposite ends of said cylinder, a fluid pressure line and a fluid exhaust line connected with said bore, a plunger in said bore slidable axially to one extreme position to connect said fluid pressure line with one of said fluid lines and to connect the other of said fluid lines with said fluid exhaust line and slidable axially to its opposite extreme position to reverse the connection between said fluid lines and said fluid pressure and fluid exhaust lines, a stem fast to and extending coaxially from one end of said plunger and extending exteriorly of said valve body, a cup-shaped head fast to the outer end of said stem and having its rim fitting about the corresponding end of said valve body, a radial extension on said head and having its end interposed between said stops, said extension engaging a corresponding stop at the end of each stroke of said part to reverse the axial position of said plunger and thereby reverse the direction of movement of said part, manual means for rotating said head to move said extension out of the path of said stops, and detent means interposed between the interior of the rim of said cup-shaped head and the adjacent periphery of said valve body for holding said extension in its positions both in and out of the path of said stops.

2,387,734

HEATING APPARATUS
Alfons Barnsteiner, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 13, 1942, Serial No. 426,582
13 Claims. (Cl. 126-21)

6. A range comprising a range body including a platform and having an oven therein, a crumb tray removably supported within said body below said platform, said oven having a vent opening therein, a horizontally-disposed conduit communicating with said oven vent opening, a vertical-

ly-extending conduit communicating with said first-mentioned conduit, said vertically-extending



conduit opening on said platform, and means for draining condensates and the like from within said conduits to said crumb tray.

2,387,735

METHOD OF FORMING CARBOXYLIC AMINO ACIDS

Frederick C. Bersworth, Verona, N. J., assignor to The Martin Dennis Company, Newark, N. J., a corporation of New Jersey

No Drawing. Application July 3, 1941,

Serial No. 400,967

4 Claims. (Cl. 260—534)

3. The method of forming the alkali metal salts of a mono carboxylic amino acid which comprises forming an aqueous solution containing substantially equimolecular weights of an alkali metal cyanide and an aliphatic amine, adding an alkali metal hydroxide thereto in an amount at least sufficient to produce a pH of about 9, heating the solution to a temperature within the range 50 to 75° C. and adding thereto for each molecular weight of alkali metal cyanide originally present therein one molecular weight of formaldehyde, the rate of addition of said formaldehyde being regulated in proportion to the evolution of NH₃ formed by the reaction and with respect to the temperature of heating and the concentration of said solution to maintain a relatively low concentration of the compound formed by the hydrolysis of the product of reaction between the said cyanide and said aldehyde in the said solution, and removing ammonia as it forms.

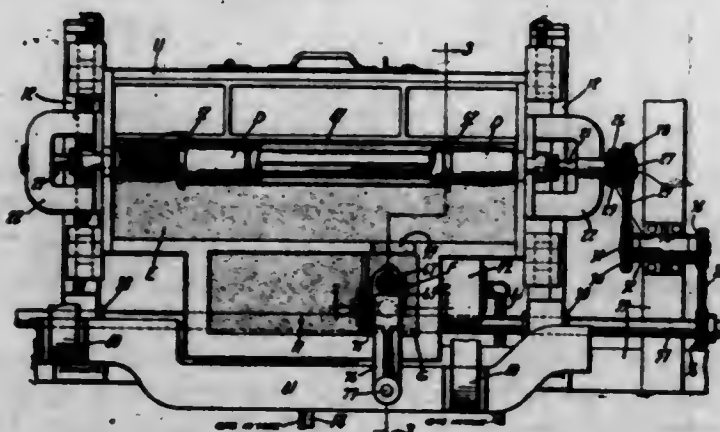
2,387,736

PUMP DEVICE FOR MACHINES FOR APPLYING COATING MATERIAL TO ARTICLES MOVING IN PROCESSIONS

George H. Bierman, River Forest, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application January 23, 1943, Serial No. 473,378

4 Claims. (Cl. 103—39)



1. In a machine for applying a liquid substance onto articles moving in a procession, the combina-

tion of a reservoir for retaining the liquid, a supply tank from which liquid is received to replenish said reservoir, pump devices for transferring the liquid from the tank to said reservoir, and a discharge nozzle connecting with said pump devices and located in said reservoir for delivering liquid to the reservoir and for draining away excess liquid while holding back the remaining liquid to maintain its surface level at a predetermined height within said reservoir.

2,387,737

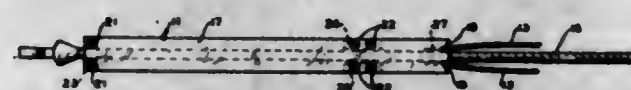
TENSIO METER

Eric A. Black, Red Bank, N. J.

Application January 10, 1945, Serial No. 572,203

6 Claims. (Cl. 73—143)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. A gauge to measure tension on a guy comprising two clamps, and a spring strip, each of said clamps being provided with means to grip the guy at a particular longitudinal position thereof and means to pivotally support one end of the spring strip, said spring strip being an elongated strip of springy material.

2,387,738

COLLAPSIBLE TUBE

Boris Bogoslawsky, Jackson Heights, N. Y.

Application July 24, 1942, Serial No. 452,158

7 Claims. (Cl. 222—107)



2. A collapsible tube comprising a tubular body of material having one end folded to form integral shoulders and neck, said neck comprising two parallel plies of material spaced apart by two plies of material folded inwardly therebetween from the outside edges of said parallel plies, the abutting surfaces of all of said plies being adhesively secured together, the innermost edges of said folded plies being spaced apart to provide an open passageway through said neck from the interior of said tube to the exterior.

2,387,739

DUPLICATING MACHINE

Charles H. Bradt, Groton, N. Y., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York

Application December 17, 1942, Serial No. 469,337

12 Claims. (Cl. 101—132)

1. In a liquid process duplicator, the combination of means for backing and holding a master

for taking of copies therefrom, and means for supporting a roll of blocking out material for variable



unreeling of said roll of material over a master held and backed by the first-mentioned means.

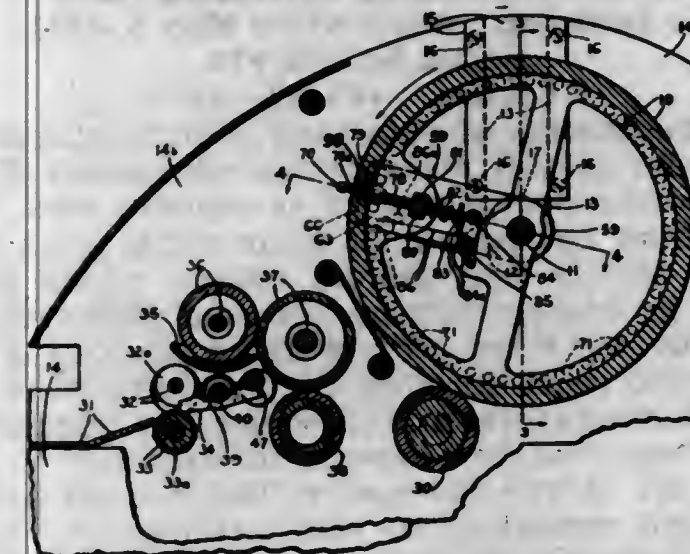
2,387,740

DUPLICATING MACHINE

Charles H. Bradt, Groton, N. Y., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York

Application December 23, 1942, Serial No. 469,378

17 Claims. (Cl. 101—132)



1. Master carrying and blocking out means for a rotary duplicator of the liquid process type comprising, in combination, a master carrying and backing drum provided with means to hold a master to the drum for revolution of the master with the drum with the master held for backing of at least a portion of the master by the periphery of the drum, and means associated with said drum for holding a master blocking out element to the drum at any of a plurality of selected positions spaced around the drum axis adjacent the periphery of the drum to permit adjustment of the blocking out element bodily about the periphery of the drum over the drum backed portion of a master held to the drum.

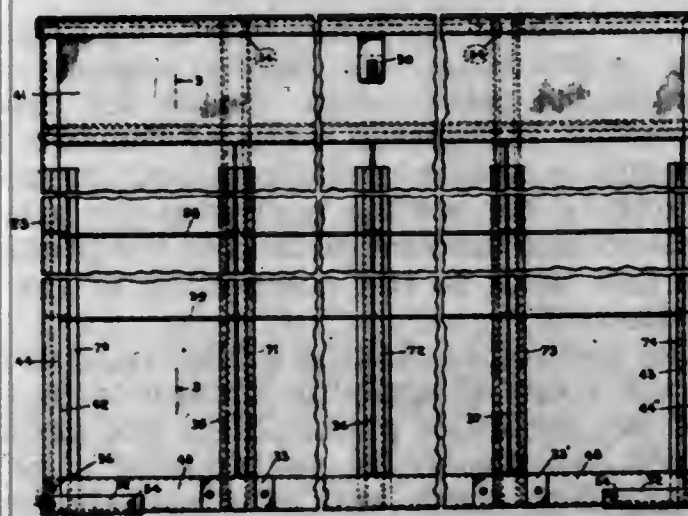
2,387,741

PORTABLE PARTS CABINET

John Brownlie, Freeport, and Ralph Gerstenzang, Brooklyn, N. Y., assignors to A. B. C. Steel Equipment Co. Inc., New York, N. Y., a corporation of New York

Application August 25, 1941, Serial No. 408,156

2 Claims. (Cl. 45—94)



2. A portable parts cabinet comprising: a casing having a plurality of drawer-receiving com-

partments arranged in vertical and horizontal rows; a separate top compartment disposed above the drawer-receiving compartments, and a movable cover disposed above the said top compartment; a plurality of drawers arranged and removably disposed in said drawer-receiving compartments; a locking bar retainer secured to said casing; a vertically disposed locking bar in the form of a vertically elongated member; said locking bar, when seated within said locking bar retainer, overlapping adjacent edges of drawers in adjacent vertical rows, thereby acting to prevent the removal of said drawers; the movable cover in the closed position thereof acting as a closure for the separate top compartment and obstructing the removal of said locking bar.

2,387,742

EXPLOSION RIVET

Lawton A. Burrows, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application August 12, 1942, Serial No. 454,561

3 Claims. (Cl. 85—37)



1. An explosive fastening element such as a bar, bolt, pin, rod, pipe or the like, wherein the element is provided with a central axial cavity extending from the end of said element within the same, and a detonating explosive charge capable of being ignited by an electric discharge of 100,000 ergs, disposed within said cavity, partly in that portion of the cavity adapted to extend within the object to be fastened, said cavity being open from the end of the element to the explosive charge.

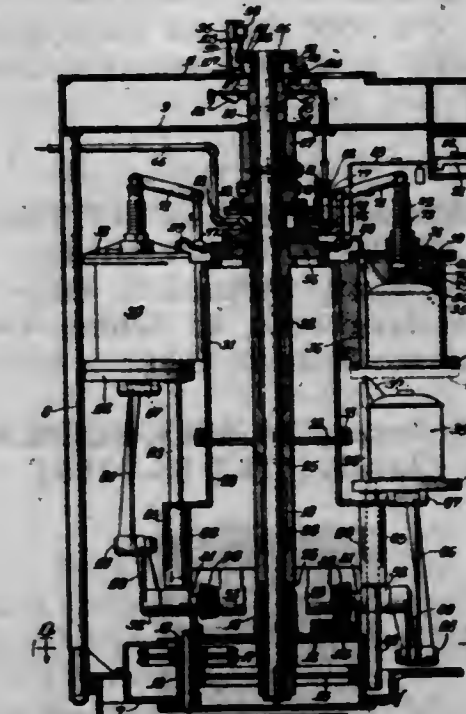
2,387,743

CAN TESTING MACHINE

Allan M. Cameron, River Forest, and Valentine Lelinski, Chicago, Ill., assignors to Cameron Can Machinery Co., Chicago, Ill., a corporation of Illinois

Application December 30, 1942, Serial No. 470,576

11 Claims. (Cl. 73—42)



5. In a can testing machine, the combination of a rotatable carriage, a plurality of can testing pockets carried thereby, means for introducing cans to be tested into the pockets in succession, means for sealing the ends of the pockets through

which the cans are introduced, a conduit extending into each pocket through which air under pressure is introduced into the can in said pocket, a conduit leading from the pocket space surrounding such can, a pressure sensitive instrument, a valve to which said instrument and each of said conduits is connected, means for actuating said valve to first vent to atmosphere the space surrounding a can to be tested, then cause the admission of air under pressure through said first mentioned conduit to the interior of said can, and then establish communication between said surrounding space and said instrument, and means for increasing by a predetermined amount the pressure in said surrounding space to thereby cause the actuation of said instrument in the event the pressure in said space before such increase exceeds atmospheric due to leakage.

2,387,744

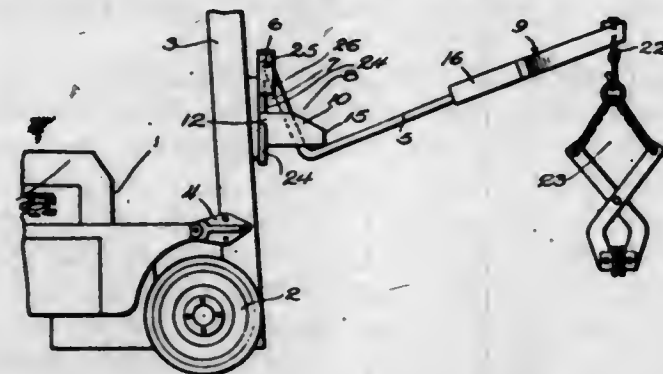
FORK LIFT TRUCK

George L. Clapp, United States Army,
Pasco, Wash.

Application April 30, 1945, Serial No. 591,044

2 Claims. (Cl. 214-65)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The combination, with a lift truck having a vertically movable, substantially L-shaped, load carrying member extending laterally therefrom, and a frame to which the end of one arm of said load carrying member is connected: of a support, upon which said load carrying member rests, for canting said laterally extending load carrying member at a predetermined angle with respect to said frame, said support comprising an apertured frame threaded upon said load carrying member and having a portion thereof disposed between said member and said frame; and means mounted on the free end of said load carrying member to support a load grasping means.

2,387,745

MIRROR AND REFLECTOR

William H. Colbert, Brackenridge, Pa., and
Willard L. Morgan, Columbus, Ohio, assignors,
by mesne assignments, to Libbey-Owens-Ford
Glass Company, Toledo, Ohio, a corporation of
Ohio

Application February 16, 1943, Serial No. 476,077

2 Claims. (Cl. 88-105)



1. A mirror presenting a continuous, uniform reflective surface and image to the eye at a short distance therefrom, and wherein said image is free of bright diffraction crosses of light; said

mirror comprising a support and a mirror coating consisting of small, irregularly shaped areas not exceeding 0.025 inch in largest dimension incompletely covering the surface of the support and irregularly arranged without any symmetry, said surface having a second mirror coating material of different reflective value, comprising adjacent areas of irregularly contorted shape and similarly small dimensions, said mirror showing an over-all reflectivity falling between the reflectivities characteristic of the two reflective materials.

2,387,746

PROCESS FOR PRODUCING SODIUM AND POTASSIUM PHOSPHATES

Henry Seymour Colton, Cleveland, Ohio, and
Raymond L. Knowles, Bronxville, N. Y., and
Robert W. Frischmuth, Cleveland, Ohio

No Drawing. Application May 5, 1941,

Serial No. 391,978

2 Claims. (Cl. 23-107)

1. The process of obtaining sodium phosphate as a water soluble metathetical compound of the phosphorous component of phosphate rock, and the sodium component of commercial glass containing silicon and sodium oxides, which comprises: intimately mixing the said materials, in finely divided form, with water, and causing the mixture to react through the sole agency of elevated temperature and pressure, by subjecting it to a temperature of approximately 600° F. and a pressure of approximately 1000 lbs. per square inch; and removing the said water-soluble compound from the reacted product by water solution.

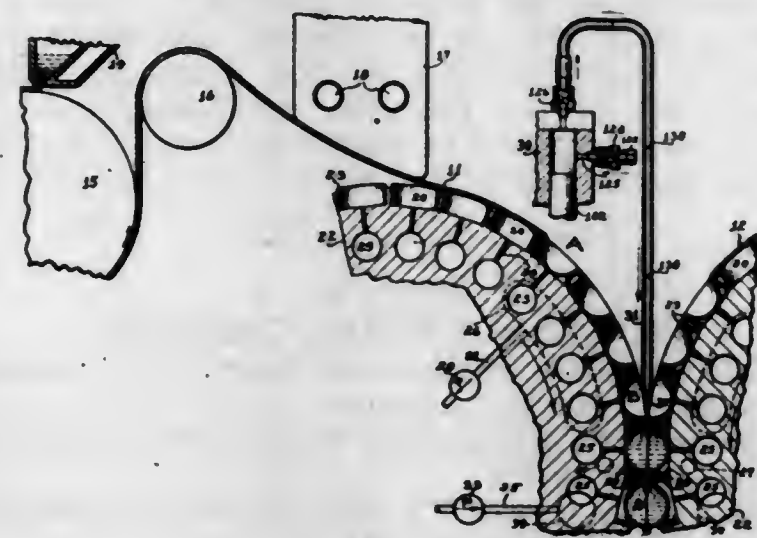
2,387,747

MACHINE FOR AND A METHOD OF MAKING FILLED CAPSULES

Benjamin C. Cowley, Shrewsbury, Mass.

Application March 4, 1944, Serial No. 525,108

20 Claims. (Cl. 18-21)



1. A capsulating machine comprising means for initially preforming two empty capsule shells from moldable plastic film, means for progressively sealing juxtaposed walls of the two shells and forming a capsule therefrom, and means actuated during the sealing operation for injecting a predetermined amount of fluid to the preformed capsule just prior to the completion of the final sealing thereof.

17. The method of making a filled capsule comprising the steps of applying suction to localized areas of two moldable plastic films and preforming empty capsule shells, juxtaposing a pair of said empty film shells and progressively forcing them into sealing contact to form a capsule, and injecting a measured quantity of fluid into the preformed empty capsule only after its edges have

been partially sealed and completing the injection of the fluid just prior to the final sealing operation.

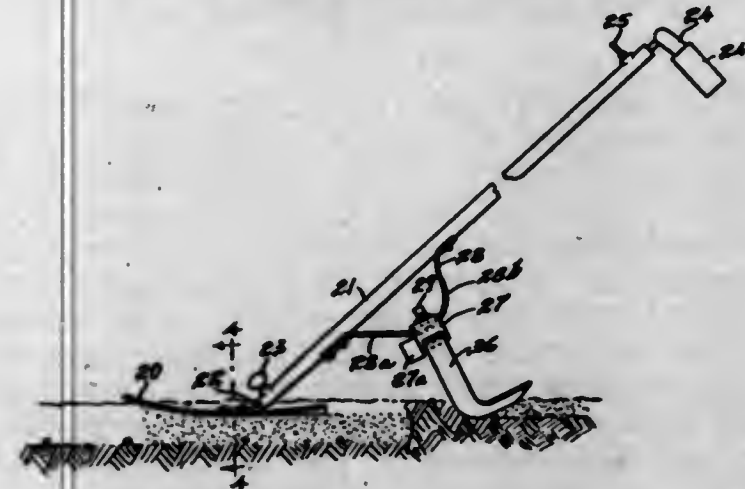
2,387,748

GARDEN TOOL

Bartholomew O. Cuddigan, Wadena, and James
F. Wirth, Minneapolis, Minn.

Application June 19, 1943, Serial No. 491,444

14 Claims. (Cl. 97-58)



1. A garden tool having in combination, a shoe having a lower surface adapted to ride on top of the ground, an elongated shank secured to said shoe and extending upwardly and rearwardly from said shoe, a handle at the upper end of said shank adapted to be held by the operator, a holder supported by said shank, means for holding said holder in different positions at different angles respectively to the longitudinal axis of said shank, a tool carried in said holder and movable laterally therein and means for holding said tool in different positions in said holder.

2,387,749

DIRECTOR TRAINER

Richard C. Darnell, Champaign, Ill.

Application June 23, 1944, Serial No. 541,804

17 Claims. (Cl. 35-25)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a director trainer for use with a stationary, miniature aerial target, the combination of an azimuth tracker's handwheel, a fixed azimuth gear having a vertical axis, a pinion meshing with and revoluble about said fixed gear, a variable speed device for introducing variational turning in the said pinion, a variable speed device for supplying the rate change for azimuth rate tracking, a first differential one of the input

579 O. G.-49

gears of which is connected to the driven shaft of the said variational azimuth variable speed device and the other of its input gears being connected to the driven shaft of the said azimuth rate tracking variable speed drive, a drive connection between the said azimuth tracker's handwheel and the ball carriage of the said azimuth rate tracking variable speed drive, said connection having clutch means to disconnect the said variable speed drive for direct azimuth tracking, a constant speed motor for driving the constant speed discs of the two said variable speed drives, a second differential one of the input gears of which is connected to the output gear of the first said differential and the other of its input gears being connected to the said azimuth tracker's handwheel, a drive connection between the output gear of the second said differential and the said pinion, said connection having clutch means to disconnect the drive to the pinion for preliminary manual turning, means including an azimuth variation cam for automatically varying the ball carriage of the said variational azimuth variable speed device, a shaft, an azimuth tracker's and an elevation tracker's telescope mounted on the said shaft, an elevation tracker's handwheel, a variable speed device for introducing variational turning in the said telescope shaft, a variable speed device for supplying the rate for elevation rate tracking, a third differential one of the input gears of which is connected to the driven shaft of the said variational elevation variable speed device and the other of its input gears being connected to the driven shaft of the said elevation rate tracking variable speed drive, a drive connection between the said elevation tracker's handwheel and the ball carriage of the said elevation rate tracking variable speed drive, said connection having clutch means to disconnect the said variable speed drive for direct elevation tracking, a constant speed motor for driving the constant speed discs of the two said variable speed drives, a fourth differential one of the input gears of which is connected to the output gear of the said third differential and the other of its input gears being connected to the said elevation tracker's handwheel, a drive connection between the output gear of the said fourth differential and the said telescope shaft, means including an elevation variation cam for automatically varying the ball carriage of the said variational elevation variable speed device, a common shaft mounting the said azimuth variation cam and the said elevation variation cam, a constant speed motor connected to the said cam shaft, said connection including means for varying the speed of the cam shaft, a recording device comprising paper driving means connected to the said cam shaft, and a pair of stylus markers, one of the said stylus markers being connected to the said azimuth gear to record azimuth turning of the said azimuth telescope and the other of the said stylus markers being connected to the said telescope shaft to record elevation turning of the said elevation telescope.

2,387,750

PRINTING PRESS

William Ward Davidson, Evanston, Ill., assignor
to Davidson Manufacturing Corporation, a corporation of Illinois

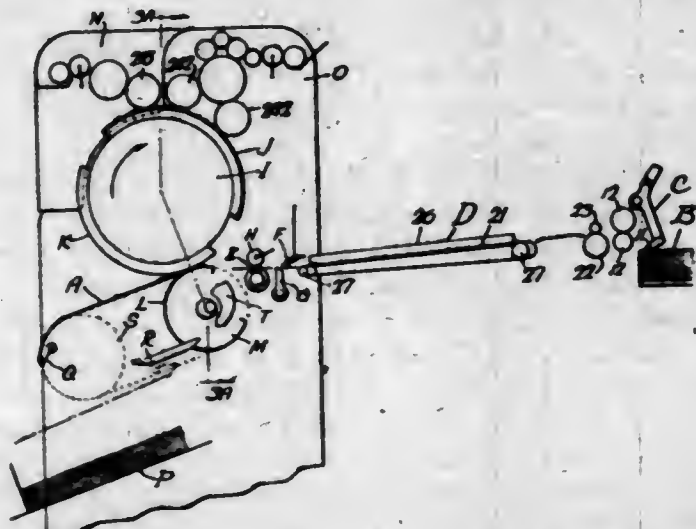
Application August 11, 1941, Serial No. 406,328

12 Claims. (Cl. 101-217)

1. A printing press including a printing couple, one member of which is a cylinder bearing image-forming means, said cylinder including discs rotating in timed relationship to the other member of the couple, and a cylindrical segment carried

by the discs and bearing the image-forming means on the outer surface thereof, said segment being circumferentially adjustable with respect to the discs to adjust the head margin of a sheet being printed.

7. A dampening unit for a printing press, including a frame, a fountain, a fountain roll, a ratchet wheel for driving the fountain roll, a pawl and a cam follower lever for actuating the



pawl, a ductor roll and a cam follower lever for oscillating the ductor roll, cam means for driving the cam follower levers, a distributor roll, a form roller, and a pinion for driving the cam means, distributor roll and form roller, all carried by the dampening unit frame, said frame being removably attachable to a printing press frame and, upon attachment, automatically positioning the pinion in proper position to be actuated by corresponding parts of the press.

2,387,751

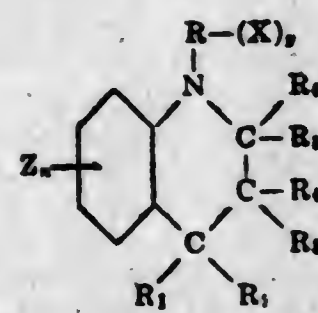
N-ARYLTETRAHYDROQUINOLINES

Joseph B. Dickey, Rochester, N. Y., and James B. Normington, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application January 21, 1942,
Serial No. 427,625

10 Claims. (Cl. 260—288)

7. The N-aryl tetrahydroquinoline compounds having the formula

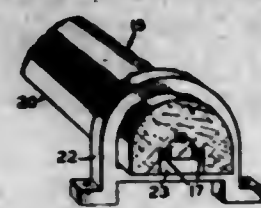


wherein R stands for the residue of a member selected from the group consisting of a benzene nucleus and a naphthalene nucleus, X stands for a member selected from the group consisting of an amino group, an alkylamino group and a hydroxy group, γ represents a small whole positive number, R_1 , R_2 and R_3 each stands for a member selected from the group consisting of hydrogen, an alkyl group and a hydroxy group, R_4 , R_5 and R_6 each stands for a member selected from the group consisting of hydrogen and an alkyl group, Z stands for a member selected from the group consisting of a hydroxy group, an alkoxy group, an amino group, an alkylamino group, and a halogen atom and n stands for a member selected from the group consisting of zero and a small whole positive number.

2,387,752

FIRE DETECTION SYSTEM

Francis C. Evans, Dongan Hills, N. Y., assignor to American District Telegraph Company, Jersey City, N. J., a corporation of New Jersey
Application November 22, 1940, Serial No. 366,514
6 Claims. (Cl. 200—143)



1. The combination with inflammable supporting structure subject to vibration of a fire detector comprising runs of wood molding, a pair of fusible electrical conductors within each run of said molding, the conductors being connected to one another, and brackets on the inflammable supporting structure surrounding said molding for attaching the molding to said structure against separation therefrom and for loosely supporting the molding whereby vibration does not cause excessive flexing of the molding and conductors.

2,387,753

PORTABLE FLASHLIGHT

Joseph Frank, Forest Hills, and Arthur Phelps Marr, Brooklyn, N. Y., assignors to Gemloid Corporation, Elmhurst, Long Island, N. Y., a corporation of New York
Application December 24, 1941, Serial No. 424,310
2 Claims. (Cl. 177—329)



1. A portable, manually operated combination flash light and signalling device comprising in combination a translucent casing comprising a light piping plastic having an opening in one end thereof, said opening forming exposed edges in said casing, said casing having an appreciable thickness at said opening, a light bulb positioned in said opening in close proximity to the edge of said opening, said light bulb upon illumination supplying direct illumination in the form of emitted light and indirect illumination in the form of light picked up by the edge of said casing of light piping plastic and distributed throughout said casing, and a metal container having an external reflecting surface which acts as a reflecting shield positioned within said casing and locked in position therein, said shield increasing the light sidewardly diffused from said casing, batteries located in said casing, said light bulb having two terminals, one of said terminals electrically engaging said metal container at its upper end and the other of said

terminals positioned to electrically engage said batteries, a control button, and means fixed on said control button for pressing said batteries into contact with said light bulb, said means comprising a right angle shaped metal pressing member, one portion of said right angle shaped member being positioned to press said batteries toward said light bulb, a second portion of said right angle member being positioned in sliding electrical engagement with said metal container.

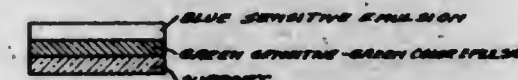
2,387,754

MATERIAL FOR THE PRODUCTION OF PARTIAL COLOR SELECTION PICTURES FROM SUBTRACTIVE MULTI-COLOR IMAGES

Bela Gaspar, Brussels-Forest, Belgium, assignor to Chromogen, Incorporated, a corporation of Nevada

Original application March 23, 1937, Serial No. 132,611. Divided and this application May 4, 1940, Serial No. 333,429. In Germany March 24, 1936

9 Claims. (Cl. 95—2)



1. A multi-layer photographic material comprising two light sensitive silver halide emulsion layers coated on a support, one of said layers being sensitive to green and dyed by a dyestuff which transmits green light and absorbs red and blue light, said dyestuff being fast to ordinary photographic treating solutions but capable of being locally destroyed with the aid of a metallic silver image, the other layer being colorless and sensitive to blue.

2. A multi-layer photographic material comprising two colorless light sensitive silver halide emulsion layers coated on a support and adapted to be selectively exposed, one of said emulsions being an ordinary negative photographic emulsion and the other being a photographic emulsion capable of producing direct positives by simple development.

2,387,755

HYDROGEN-MODIFIED POLYMERS OF ETHYLENE

William Edward Hanford, Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 4, 1943,
Serial No. 478,033

6 Claims. (Cl. 260—94)

1. A process for the preparation of hydrogen modified polymers of ethylene which comprises passing a gaseous mixture of ethylene containing 0.2 to 10% hydrogen at a temperature above 40° C., a pressure above 50 atmospheres and in the presence of a catalyst selected from the group consisting of peroxy compounds and oxygen into a high pressure resisting reaction zone.

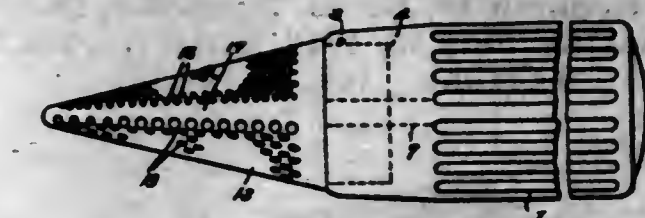
2,387,756

ELECTRIC RAZOR

Carsten L. Henningsen, Fresno, Calif.
Application September 11, 1944, Serial No. 553,606
4 Claims. (Cl. 30—43)

1. An electric razor including a casing constituting a stator, said casing having conically diverging apertured areas and an intermediate imperforate area, the apertures in one area constituting air and hair inlets and the apertures in the

other area being larger and constituting air and hair outlets, and a combined cutting and fan blade mounted for rotation in the stator about an

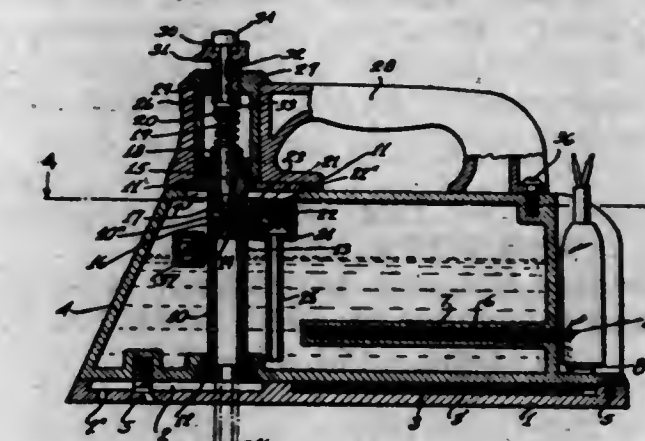


axis eccentric to the stator, said blade being maintained by centrifugal force in contact with the inner surface of the stator.

2,387,757

CONTAINER AND IRON

Albert C. Hoecker, St. Louis, Mo., assignor to Gunhild Bergland Hoecker, St. Louis, Mo.
Application June 21, 1941, Serial No. 399,093
7 Claims. (Cl. 38—77)



1. A dampening iron comprising a sole plate, a steam and water container, means for directing steam and water or steam to the material to be ironed, said means comprising a member communicating with the water in said container, a steam inlet from said container communicating with said means, so as to mix water with steam, and means for heating said sole plate and for heating the water in said container.

2,387,758

VISUAL EDUCATIONAL DEVICE

Joseph F. Jaros, Riverside, Ill., assignor to Elizabeth C. Jaros, Chicago, Ill.
Application August 4, 1941, Serial No. 405,308
20 Claims. (Cl. 38—31)



1. In a device of the kind described, the combination with a frame providing an optical system for viewing pictures on a strip of film, a supply spool journaled by said frame and located on one side of the optical system, a wind-up spool also journaled by said frame and located on the other side of said optical system, motor means for said wind-up spool whereby the same is rotated to wind the film thereon, means also housed by said device and constructed and arranged to permit advancement of said film to the optical system intermittently and to an extent conforming to said system, and locking means for said wind-up spool preventing rotation thereof in a direction to wind the film except when the same is under a predetermined tension.

2,387,759

METHOD OF MANUFACTURING ELECTRICAL CONDENSERS

Kenneth W. Jarvis, Winnetka, Ill.
Application May 13, 1940, Serial No. 334,926
9 Claims. (Cl. 29—25.42)

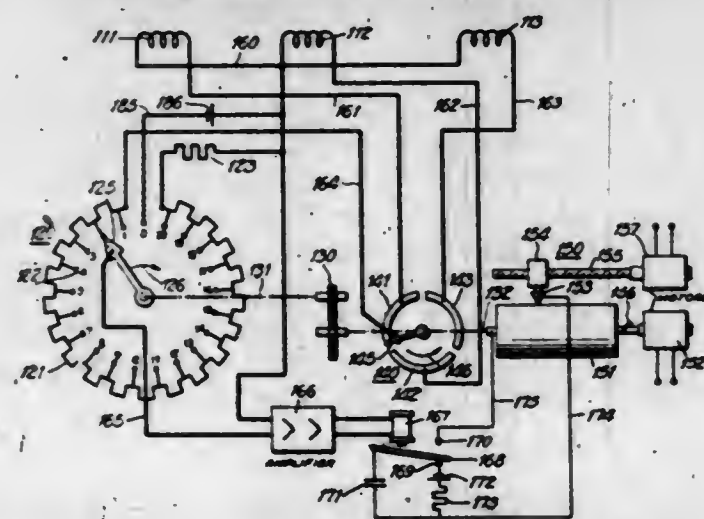


1. The process of manufacturing an electrical condenser that comprises insulating a plurality of metal strips by coating the same with polystyrene in solution in a solvent, evaporating the solvent until the coatings are surface dry, then assembling the coated strips in superposed relation with the polystyrene coatings of adjacent strips in contact, and maintaining the assembly under pressure to unite the contacting polystyrene coating through a redistribution of the solvent then present in the contacting coatings.

2,387,760

MULTIPLE RECORDER

George Keinath, Larchmont, N. Y.
Application December 24, 1942, Serial No. 470,088
6 Claims. (Cl. 234—1.5)



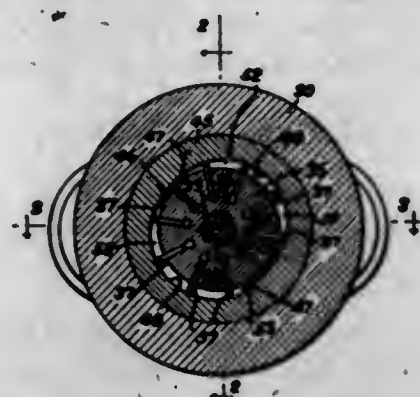
1. System for recording a plurality of physical measuring magnitudes, comprising an electric circuit, a plurality of control elements connected with said circuit for producing control effects in accordance with said magnitudes respectively, potentiometric means disposed in said circuit for providing a variable voltage drop and having a movable member, cyclically operating drive means for actuating said movable member so as to cause said potentiometric means to vary said voltage drop once over a given range during each cycle of said drive means, a selective contact device arranged between said control elements and said potentiometric means for connecting said control elements sequentially with said latter means, actuating means for operating said contact device in a given speed relation to said drive means so as to cause said contact means to advance one step of its sequence for each cycle of operation of said drive means, a relay connected with said circuit so as to be actuated during each of said cycles when said voltage drop passes through a value which is in accordance with the control effect of the control element then connected to said potentiometric means, a recording mechanism having a member for accommodating a recording chart and a stylus member for producing a record on said chart, said two mechanism members being arranged for relative motion with respect to each other in two coordinate

directions, means for imparting to said mechanism members relative motion in one of said directions simultaneously with the operation of said drive means in a given speed relation to said movable member, means for imparting to said mechanism members relative motion in said other direction, and electric circuit means disposed between said relay and said mechanism and controlled by said relay to cause said mechanism to produce recording marks in dependence upon the actuation of said relay.

2,387,761

FLUID PRESSURE DEVICE

Charles M. Kendrick, New York, N. Y., assignor to Manly Corporation, Washington, D. C., a corporation of Delaware
Application April 17, 1942, Serial No. 439,326
15 Claims. (Cl. 103—1)

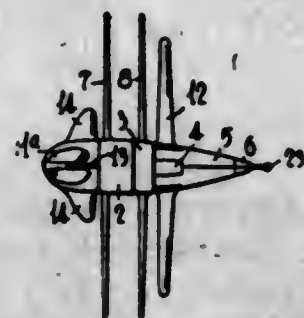


1. In a multi-section fluid pressure device for simultaneously controlling a plurality of fluid volumes, a rotary assembly comprising a single rotor having a plurality of vanes movable inward and outward thereof, supporting means for said rotary assembly, a casing totally enclosing said rotary assembly and said supporting means, a track for said vanes disposed in said casing and arranged to cooperate with said rotary assembly to provide a fluid section for each fluid volume to be controlled, each fluid section having an inlet area and an outlet area disposed adjacent said track, said rotary assembly being arranged for rotation only by the fluid passing through the fluid sections of said device and being active upon rotation thereof to control the fluid volumes passing from the inlet areas to the outlet areas of said fluid sections, and inlet and outlet means for said inlet and outlet areas respectively, with said last named means for at least one area of each fluid section being separate from and without open connection with said inlet and outlet means for all of the other areas.

2,387,762

AIRCRAFT

Lloyd H. Leonard, Washington, D. C.
Application January 25, 1941, Serial No. 375,991
25 Claims. (Cl. 244—7)



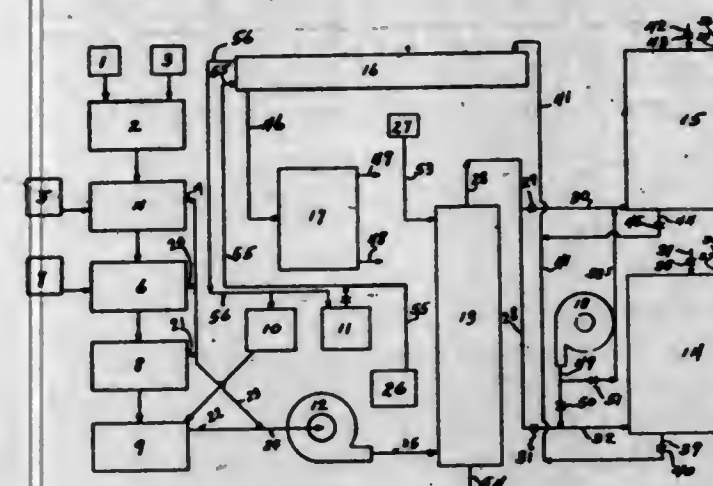
1. An aircraft capable of both vertical and horizontal flight comprising an elongated fuselage having a nose section and a tail section, a pilot compartment in said nose section, means rigidly uniting said sections, propeller means

mounted concentric with the axis of the fuselage at a point between said sections, and supporting wings projecting laterally from the forward end of said tail section of said fuselage at a point immediately behind said propeller means.

2,387,763

RECOVERY OF CARBON BISULPHIDE

Enrique L. Luaces, Woodhaven, N. Y., assignor, by means assignments, to Research and Development Corporation, Wilmington, Del., a corporation of Delaware
Application June 14, 1939, Serial No. 279,011
12 Claims. (Cl. 23—206)



6. In the method of recovering carbon bisulphide in the production of viscose products by collecting the carbon bisulphide vapors given off during processing in admixture with air, effecting intimate contact of said vapors with a regenerative absorbent in liquid form substantially non-absorbent and chemically inert towards carbon bisulphide which will remove hydrogen sulphide from said vapors, thereafter effecting intimate contact of the residual vapors with activated carbon to adsorb carbon bisulphide therefrom, desorbing the activated carbon with steam, and condensing the products of desorption, in combination, the step of contacting said residual vapors with activated carbon in at least three adsorbers of the type adapted to operate in successive cycles of adsorption, desorption, drying and cooling, said desorption, drying and cooling being solely by direct application of desorptive, drying and cooling fluids, whereby at least one adsorber is undergoing desorption at all times, said adsorbers being provided with heat regenerating means, the further step of condensing the products of desorption by continuously passing them through at least one heat interchanger cooled with water, the further step of controlling the flow of water through said heat interchanger in proportion sufficient with respect to the products of desorption passed therethrough to heat said water to a temperature above 65° C. but not above 70° C. at the effluent point of said heat interchanger, and the further step of applying said effluent water to freshly coagulated viscose products, whereby carbon bisulphide is liberated therefrom.

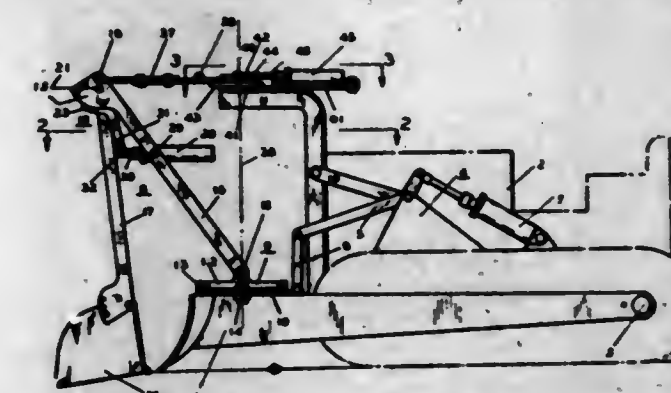
2,387,764

COMBINATION BULLDOZER AND SHOVEL

Willard A. Maxwell, Portland, Oreg.
Application September 15, 1944, Serial No. 554,254
11 Claims. (Cl. 214—132)

1. A combined bulldozer and shovel, including a bulldozer, a turntable mounted on and carried solely by the bulldozer, a boom swingingly mounted on the turntable, a shovel arm pivotally supported by the boom, a shovel carried by said arm,

and means for swinging the shovel arm relative to the boom, said means including a motor means carried by the boom and lever means supported

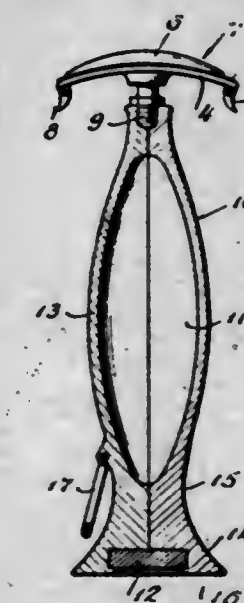


on the boom and operated by the motor means to move the shovel arm and shovel carried thereby in both directions on its pivotal mounting in a plane including the boom and shovel arm.

2,387,765

FLOATING RAZOR

Georges Monnet, Washington, D. C., assignor to Guardian Merchandising Corporation, Montreal, Quebec, Canada, a corporation of Quebec, Canada
Application July 7, 1942, Serial No. 449,998
1 Claim. (Cl. 30—85)



A buoyant safety razor comprising a blade holding head, a hollow handle, means interconnecting said head and handle, a flat bottomed base integral with said handle, and a weight, heavier than said head and said connecting means, situated in said base, said head and said connecting means being made of light plastic material, said handle and said base being made of wood, the specific gravity of all of said parts combined being less than that of water, the center of gravity of said razor being in the general vicinity of said weight.

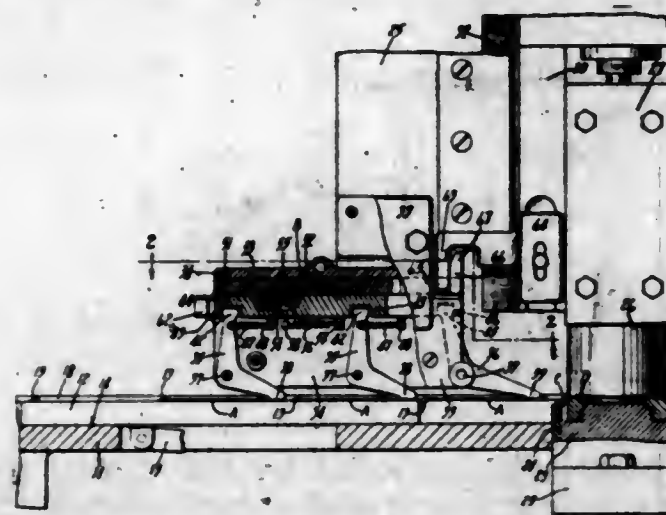
2,387,766

FEEDING MECHANISM FOR CONTAINER PARTS

James A. Moore, Cincinnati, Ohio, assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application January 9, 1943, Serial No. 471,905
6 Claims. (Cl. 271—57)

1. In a feeding mechanism for sheet material blanks, the combination of a support for the blanks, means for advancing the blanks along said support, a blank hold-down device disposed adjacent said support and including a pivotally mounted member for holding down the blanks

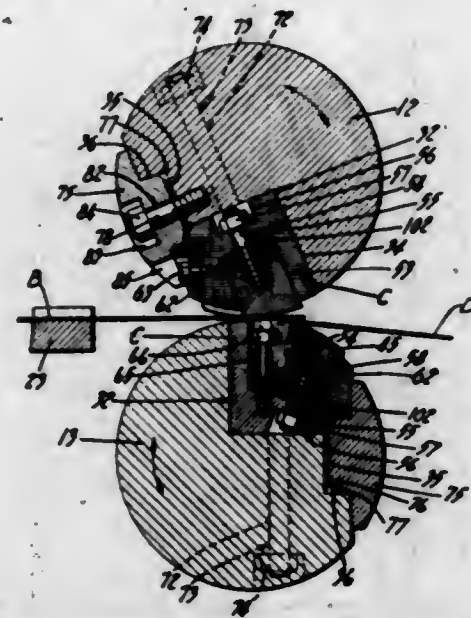
during their advancement along said support and for detecting blanks having an abnormal thick-



ness, and means operable in time with the advancement of the blanks for pivotally moving said member.

2,387,767 SHEET CUTTING MACHINE

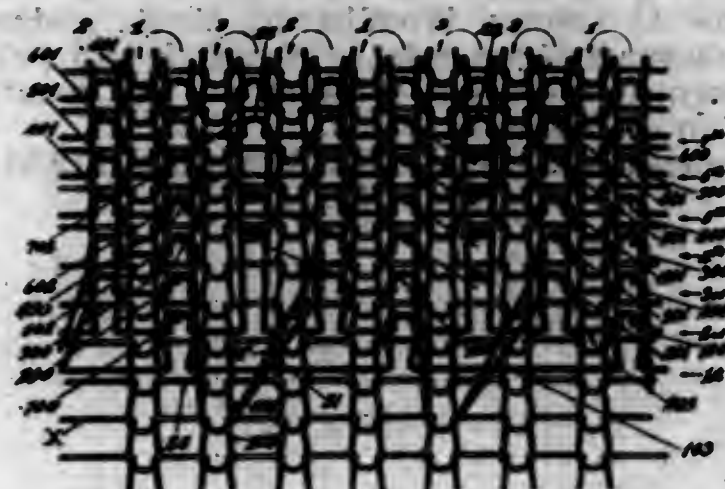
Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application June 19, 1944, Serial No. 541,072
10 Claims. (Cl. 164-68)



10. In a machine for economically cutting a continuous web of material into sheets having a scroll edge contour, the combination of an upper roll having a pocket extending longitudinally thereof, a lower roll located beneath said upper roll and also having a longitudinal pocket, means for feeding said web of material between said rolls for transversely cutting said scroll edge while severing a sheet from the web, a removable die carrier for each of said rolls having a longitudinal slot, individual die members removably confined within each carrier slot in spaced relation to one another, filler die members removably confined within said slot between said individual die members and circumferentially offset with respect thereto, said individual die members having rear and side cutting edges and said filler die members having forward cutting edges, the cutting edges of said die members cooperating to cut the scroll edge, and means for holding each die carrier in rigid position within its roll pocket, the scroll cutting edges of one roll corresponding to the scroll cutting edges of the other roll and coacting during advancement of the web between said rotating rolls to sever a sheet therefrom.

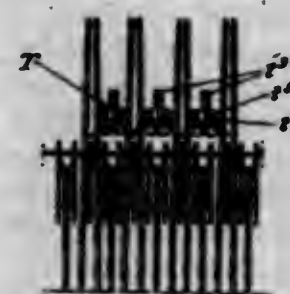
2,387,768 KNIT FABRIC AND METHOD OF MAKING SAME

Albert E. Page and Frank E. Page, Laconia, N. H., assignors to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application November 27, 1943, Serial No. 512,000
21 Claims. (Cl. 66-173)



1. A weft knit welt fabric, the first few courses including in at least one course, at least one welt loop at a recurring wale spaced apart at least two wales, there being one or more following courses having loops at all of the wales, the welt loops being interknitted with a following course of the stocking to form a welt.

2,387,769
CIRCULAR KNITTING MACHINE AND METHOD OF OPERATING SAME
Albert E. Page and Frank E. Page, Laconia, N. H., assignors to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application November 27, 1943, Serial No. 512,001
21 Claims. (Cl. 66-41)

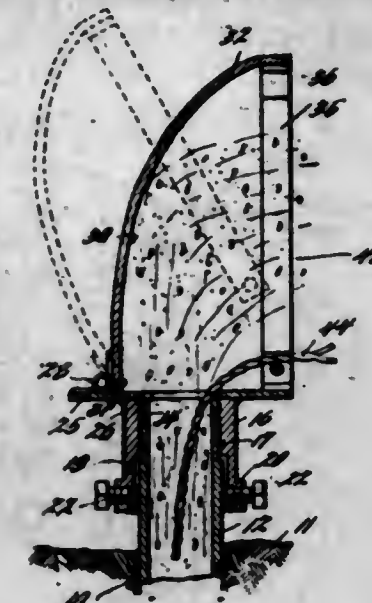


1. A circular knitting machine having a dial and transfer elements therein, a cylinder and independent needles therein, in combination with means for raising the needles on each side of a needle to which a loop is to be transferred, said parts being so spaced that each transfer element, when advanced, is held in registry, by the adjacent raised needles, with the needle to which it is transferring a loop.

2,387,770
SPRAY DEFLECTOR FOR SHOT HOLES
Samuel D. Rogers, Paul Jackson Rudolph, and Weldon L. Crawford, San Antonio, Tex., assignors to Olive S. Petty, San Antonio, Tex.
Application December 16, 1941, Serial No. 423,210
5 Claims. (Cl. 102-22)

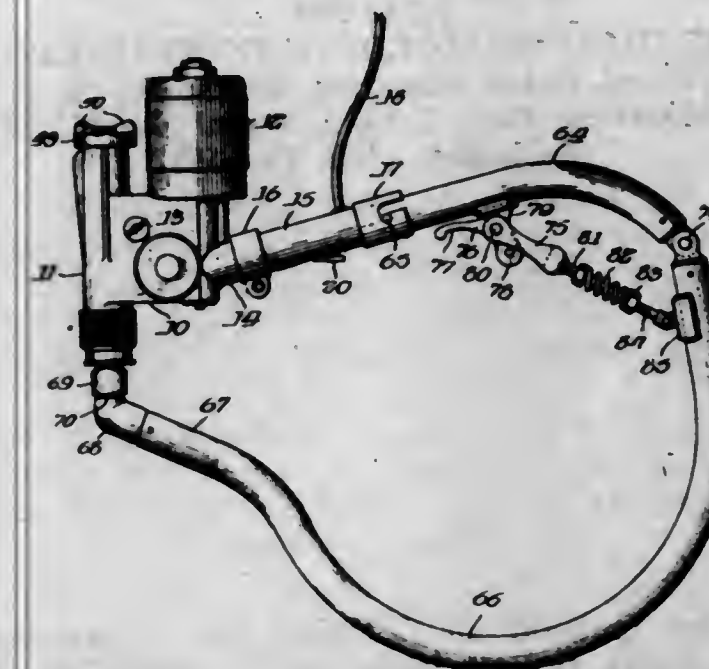
1. A deflector for deflecting debris ejected from a shot hole in the firing of an explosive charge in conducting seismic surveys including, in combination, a shot hole casing, a fitting releasably connected to said casing, a deflector plate hinged at its bottom to said fitting and shaped and positioned to extend in deflecting relation to the

bore of said casing, and means to removably secure the plate in said position whereby it may



be swung clear of said bore for charging and tamping the bore of said casing.

2,387,771
ELECTRIC HAMMER
Freddie V. Rosenbrook, Chicago, Ill.
Application January 22, 1943, Serial No. 473,164
7 Claims. (Cl. 153-32)

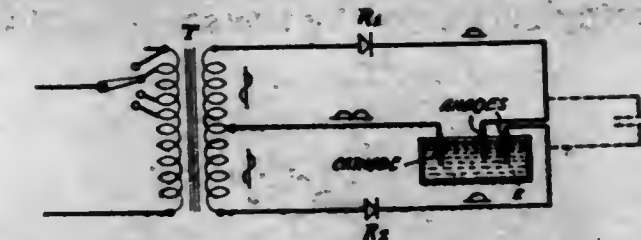


1. In combination with a frame, a hammer mounted for reciprocatory movement in the said frame, electrically operated means whereby the said hammer is actuated, a handle on said frame, a support member detachably connected to said handle, an anvil holding and supporting member hingedly secured to the said support member, an anvil on said anvil holding and supporting member, a toggle member secured to said support member and a spring connected to said toggle member and to the said anvil holding and support member, the toggle member and spring spanning the hinged ends of the said support member and said anvil holding and support member and adapted to resiliently lock the anvil member against a work piece.

2,387,772
ELECTRODEPOSITION, METHOD AND APPARATUS
Samuel Ruben, New Rochelle, N. Y.
Application December 19, 1939, Serial No. 309,931
10 Claims. (Cl. 204-43)

9. The method of substantially simultaneously electrodepositing a plurality of different metals upon a body which comprises making said body the cathode in a plating bath containing, in addition

tion to said cathode, a plurality of anodes corresponding to said different metals; applying alternating current in different phase to half-wave



rectifiers connected respectively to said anodes, so that said anodes are sequentially charged to positive polarity, and applying pulsating negative direct current voltage to said cathode.

2,387,773
HOT-MELT COATING COMPOSITION
Martin Salo and Harold F. Vivian, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 27, 1943, Serial No. 512,051
10 Claims. (Cl. 106-178)

1. A non-blocking hot melt coating composition essentially consisting of cellulose acetate butyrate having a butyryl content of at least 42%, not more than two hydroxyl groups per 24 cellulose carbon atoms, a melting point of less than 200° C., a char point of at least 260° C., a cuprammonium viscosity of not more than 10 centipoises and an acetone viscosity of 5-200 centipoises, an antioxidant, and 25-100% (based on the weight of the cellulose ester) of a mixture of dibutyl sebacate and butyl stearate, the minor component of the mixture comprising at least 20% thereof, the composition being adapted when applied from a molten condition to give a non-tacky abrasion resistant coating.

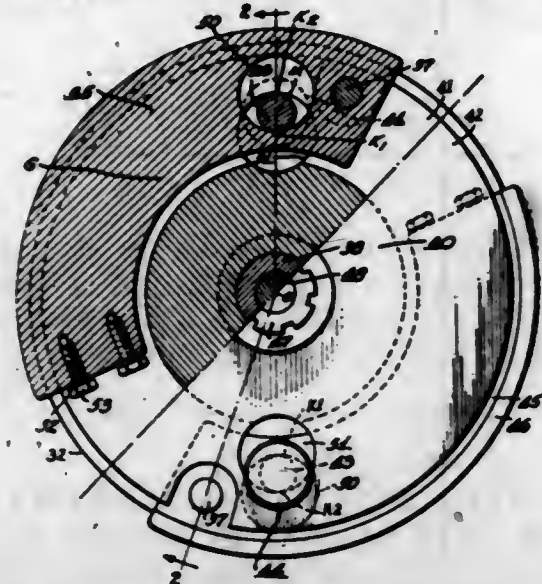
2,387,774
HOT MELT COATING COMPOSITION
Martin Salo and Harold F. Vivian, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 27, 1943, Serial No. 512,052
8 Claims. (Cl. 106-178)

1. A non-blocking hot-melt coating composition essentially consisting of cellulose acetate butyrate having a butyryl content of at least 42%, not more than two hydroxyl groups per 24 cellulose carbon atoms, a melting point of less than 200° C., a char point of at least 260° C., a cuprammonium viscosity of not more than 10 centipoises and an acetone viscosity of 5-200 centipoises, an antioxidant, and 25-100% (based on the weight of the cellulose ester) of a mixture of di-2-ethyl hexyl phthalate and butyl stearate, the minor component of the mixture comprising at least 20% thereof, the composition being adapted when applied from a molten condition to give a non-tacky abrasion resistant coating.

2,387,775
OSCILLATION REDUCING DEVICE
François Marie Michel Bernard Salomon, Paris, France; vested in the Allen Property Custodian
Application May 6, 1940, Serial No. 333,561
In Luxembourg August 4, 1939
38 Claims. (Cl. 74-574)

1. In a device for reducing oscillations in structures, a shaft, an oscillating weight mem-

ber mounted on said shaft to be rotated thereby and angularly movable relative thereto, at least one centrifugal restoring member, means for pivotally mounting said restoring member, said means being supported by the shaft, said weight

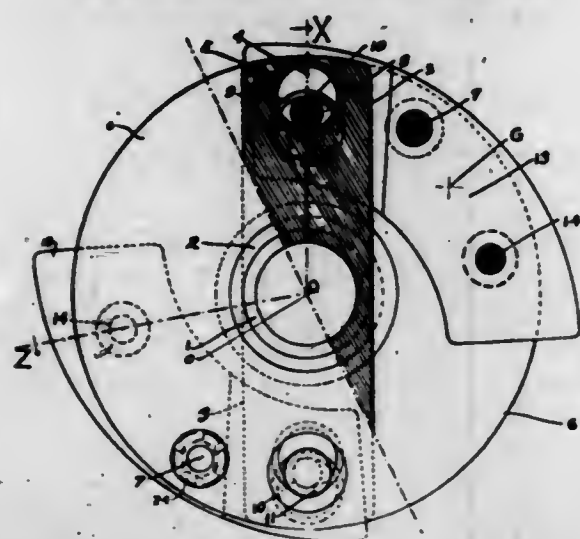


member and said restoring member each having at least one curved surface, and at least one rigid connecting member rollably engaging said surfaces to operatively connect said members and transmit forces from said restoring member to said weight member.

2,387,776

OSCILLATION REDUCING DEVICE

François Marie Michel Bernard Salomon, Paris, France; vested in the Allen Property Custodian
Application May 14, 1940, Serial No. 335,081
In Luxembourg, May 19, 1939
18 Claims. (Cl. 74-574)



1. In apparatus for reducing vibrations in a machine embodying a rotating member having a curved path or paths formed thereon, an oscillating member mounted on said rotating member for angular movement relative thereto, one or more centrifugal members pivotally mounted on the oscillating member, said member or members having curved surfaces thereon to form an arcuate path or paths, and force transmitting means having engagement with and movable along said arcuate path or paths and having engagement with said curved path or paths.

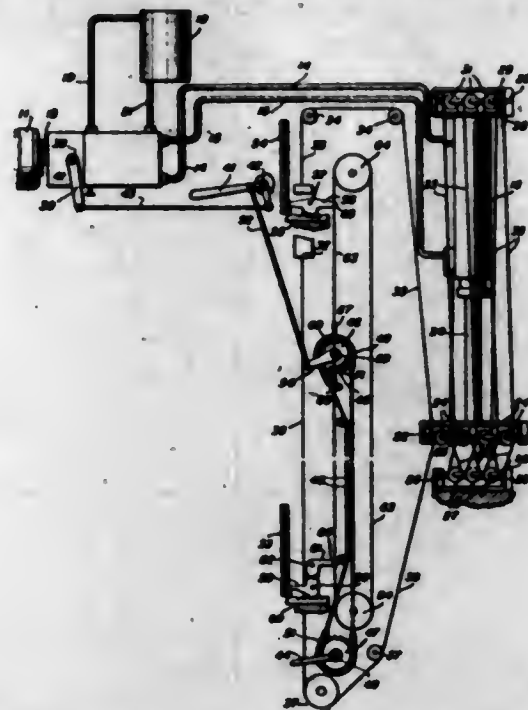
2,387,777

HOISTING MECHANISM

Arthur J. Stanton, Bethesda, Md., and Ernest F. Campbell, Springfield, Va.
Application March 11, 1942, Serial No. 434,248
11 Claims. (Cl. 89-46)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In an ammunition hoisting apparatus, a powder trunk loading door and a powder trunk

unloading door, a latch for each of said doors and cooperating therewith, a pivoted lever co-operating with each of said latches, and connect-

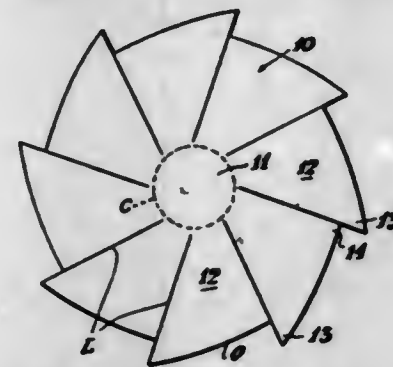


ing means between said levers whereby if one of said doors is in other than a closed position the latch of the other door prevents movement of the other door.

2,387,778

METHOD OF MOLDING CONTAINERS

Willard Yates Stocking, Scarsdale, N. Y.
Application June 4, 1942, Serial No. 445,782
6 Claims. (Cl. 18-56)

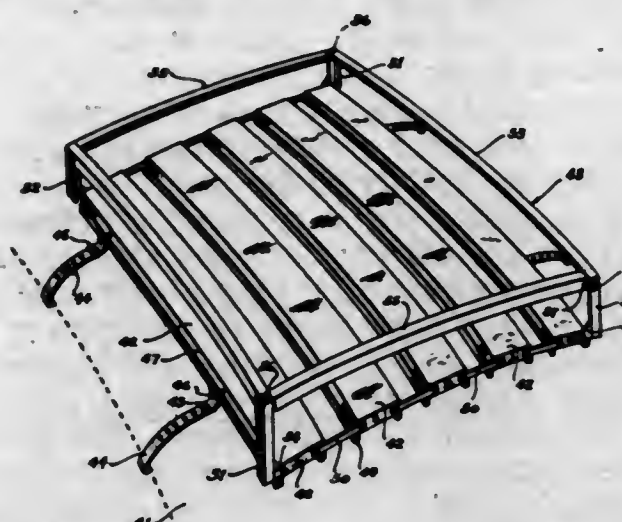


1. The method of forming an impermeable open-topped, hollow body which comprises providing a blank of a material which fuses under heat and pressure, said blank including a central portion and a plurality of segments of approximately equal size extending from the central portion and separated from adjacent segments by non-radial slits, the slits being at angles other than normal to the edge of the base and the two slits forming the side edges of each segment diverging outwardly, each side edge forming a continuous line from the edge of the base to the outer edge of the segment, said side edges being of unequal length, and the outer edge of each segment being curved from the one side edge to the other on an arc non-parallel to the edge of the base, folding the blank into the shape of a hollow body with the continuous side edges of adjacent segments overlapping along substantially their entire length and with the amount of over-lap of the segments progressively increasing from the bottom to the top of the body to form a wall in which the upper portion comprises at least two thicknesses, each segment being folded to bring its shorter edge on the outer side of the body into a substantially vertical position with the other edge at an angle to the vertical and disposed on the inside of adjacent segments, and subjecting said folded blank to the action of heat and pressure to fuse the over-lapped segments to each other.

2,387,779

CARRIER UNIT

Ray C. Strauss, Madison, Wis.
Application April 12, 1941, Serial No. 388,293
2 Claims. (Cl. 224-29)

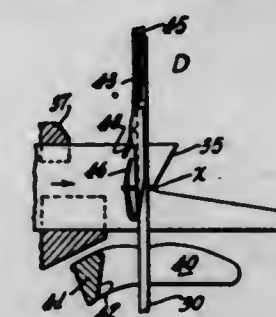


2. A carrier unit adapted to be removably mounted on the roof of a vehicle comprising a plurality of longitudinally extending pontoons each comprising a load bearing surface having depending skirts adapted to bear upon the roof, links pivotally secured to the lateral depending skirts of adjacent pontoons, an upwardly extending railing secured to the outer corners of the terminal pontoons, and a pair of brackets secured to the terminal pontoons and adapted to secure the pontoons on the roof, each of the brackets comprising an angle member secured to the outer longitudinal depending skirt of a terminal pontoon and a tie member terminating in a hook-like extremity secured to the angle member.

2,387,780

FORMING OF WELTS IN STRAIGHT KNITTING MACHINES

Hans J. Straussberger, Brooklyn, N. Y., assignor to Alfred Hofmann, Inc., West New York, N. J.
Application June 29, 1939, Serial No. 281,767
40 Claims. (Cl. 66-96)

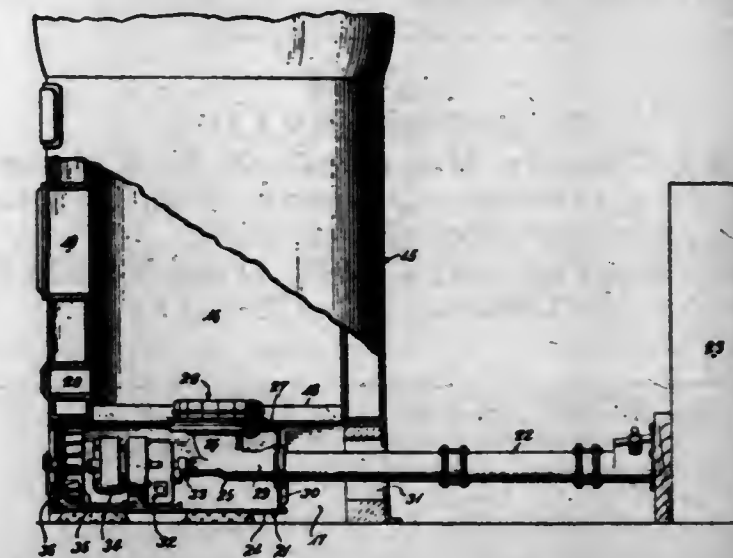


1. The stocking welt forming method carried out by means of banks of sinkers, rear-bearded needles and other cooperating instruments, and a bank of rear-hooked welt hook implements, one for each alternate needle; such method comprising the steps of placing the welt implements behind and in planes of alternate needles with the implement shanks engaging the beards of the raised needles, laying and sinking the first yarn course to form loops behind the alternate needles and the implements respectively, raising the implements while sinker tension is maintained on the yarn thereby to cause alternate loops to pass inside the implement hooks, relatively manipulating the needles and implements carrying respectively the alternate loops to cause the implements to pass relatively above and frontward of the needles thereby completing the hooking-up of the fabric, and thereafter laying and sinking on the needles second and further yarn courses and interlooping them for the production of the welt fabric.

2,387,781

STOKER

Robert W. Suman, Chicago, Ill., assignor to Link-Belt Company, a corporation of Illinois
Application March 4, 1942, Serial No. 433,357
21 Claims. (Cl. 110-45)

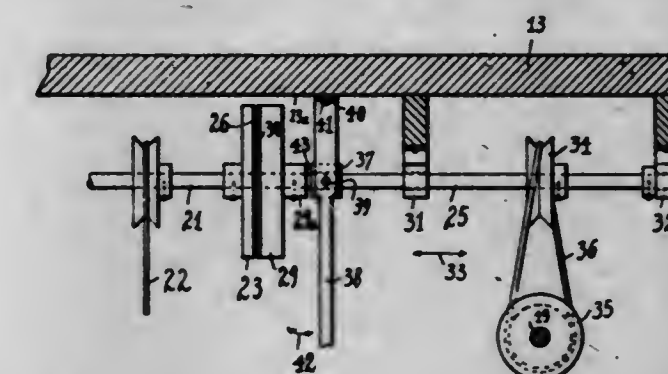


1. The combination with a heating boiler or furnace, of an air duct, having an air inlet, located within the base of the boiler or furnace, a stoker retort supported in said air duct and having a tuyere projecting outside the air duct and communicating with the interior of the retort and the air duct, a conveyor for delivering fuel to the retort from a source of supply exterior of the air duct, a prime mover in the air duct for driving the conveyor means driven by the prime mover for delivering combustion air to the interior of the air duct through its inlet for supplying the tuyere, and shutter mechanism for controlling the air inlet for the air duct.

2,387,782

ROTARY MOLD FILLING MACHINE

Frank Tager, New York, N. Y.
Application April 3, 1942, Serial No. 437,520
4 Claims. (Cl. 18-26)



1. In a centrifugal mold filling machine, in combination, a vertical shaft with a transverse member carrying the mold to be filled, a first axially slidable horizontal shaft, a yielding driving connection between said two shafts, permitting an axial sliding of said horizontal shaft, a second horizontal shaft in axial alignment with said first horizontal shaft, but disconnected therefrom, means to permanently rotate said second horizontal shaft, cooperating clutch elements at the adjacent ends of said two shafts, normally being disconnected, a stationary member in said machine having a substantially vertical surface to the rear of said first horizontal shaft, a lever pivoted on said vertical surface and pivotally connected to said first slidable horizontal shaft, a substantially vertical transverse member carried by said lever, adjacent to said vertical surface whereby a rocking of said lever will cause said slidable horizontal shaft to move towards said permanently rotating shaft, thereby connecting said two clutch members and causing said first

shaft and said vertical shaft to rotate, said transverse member on the pivoted end of the lever at the same time striking said vertical surface and rebounding from the same, instantly and automatically disconnecting said slidable horizontal shaft from said permanently rotating shaft.

2,387,783

TRANSMISSION LINE

Gerold L. Tawney, Hempstead, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application February 1, 1943, Serial No. 474,400
32 Claims. (Cl. 178-45)



1. In a transmission or delay line, an inner conductor, a substantially concentric outer conductor, said conductor being electrically insulated, and means physically distributed substantially uniformly along and within said line providing high characteristic impedance comprising insulating core means of magnetic permeability substantially greater than air disposed between said electrically insulated conductors.

2,387,784

POLYMERIZATION PROCESS FOR NORMAL OLEFINS

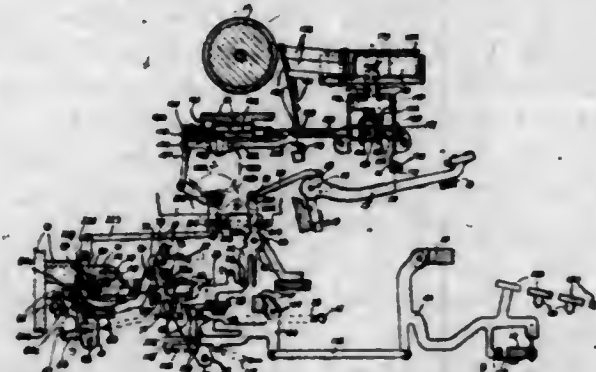
Robert M. Thomas, Union, N. J., and Harold C. Reynolds, Jr., Belmont, Mass., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 28, 1940, Serial No. 372,194
9 Claims. (Cl. 260-94)

1. The process of polymerizing normal olefins having 3 to 6 carbon atoms inclusive comprising the steps of dissolving a Friedel-Crafts type catalyst in an alkyl halide having less than four carbon atoms to a concentration of approximately from 1% to saturation, cooling a polymerization resistant normal olefin having 3 to 6 carbon atoms, inclusive to a temperature below $-10^{\circ}\text{C}.$, mixing about 1 part of the cooled catalyst solution with 0.05 part to 4 parts of the cooled olefin, and allowing the polymerization reaction to continue for a substantial length of time.

2,387,785

TYPEWRITING MACHINE

Charles Walker, Syracuse, N. Y., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application March 1, 1944, Serial No. 524,506
20 Claims. (Cl. 197-154)



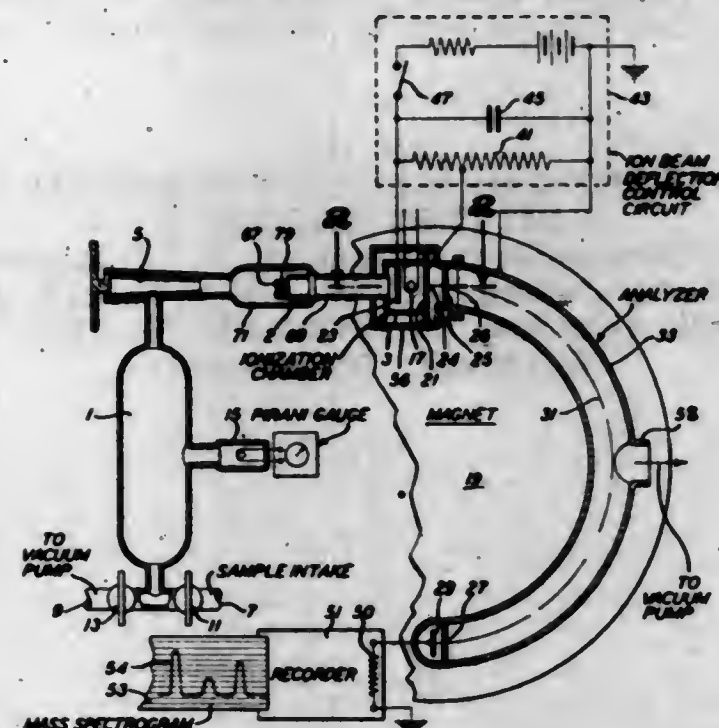
8. In a visible typing typewriting machine, power actuated means for forming inked type impressions comprising, in combination, a ribbon

actuator oppositely movable from and to a normal retracted position and constantly biased to move from retracted position, means operable by said ribbon actuator to move a type impression inking ribbon edgewise to cover the printing point of the machine upon biased movement of said actuator from retracted position and to uncover said printing point upon movement of said actuator to retracted position, means operable by said actuator to feed said ribbon longitudinally thereof relatively to said printing point, type carriers, cyclically operable power means for actuating the type carriers selectively to print at said printing point, means actuated by said power means during each cycle of operation of the power means to first free said ribbon actuator for biased movement upon initiation of each type carrier actuating operation of said power means and to thereafter retract said ribbon actuator to normal position and hold it so retracted until the next cycle of operation of the power means, and means independent of said power means for arresting biased movement of said ribbon actuator during each cycle of operation of said power means before the actuated type carrier reaches printing position.

2,387,786

ANALYTICAL SYSTEM

Harold W. Washburn, Pasadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application July 20, 1942, Serial No. 451,664
17 Claims. (Cl. 73-18)



1. In the analysis of a gas mixture containing a plurality of components, with a mass spectrometer having an ionization chamber and a sample chamber connected thereto through an inlet system, the improvement which comprises pressure flowing the mixture from the sample chamber into the ionization chamber through a plurality of apertures in said inlet system while maintaining the pressure in the chambers at such values as to flow each component through each aperture at the same rate with which it would flow if it alone were present.

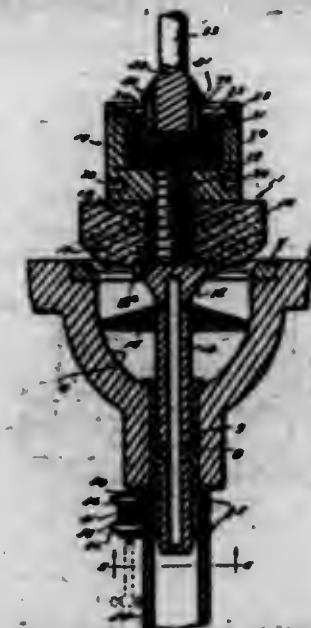
2,387,787

VALVE SEAT GRINDING TOOL

Paul Weyand, San Antonio, Tex.
Application May 9, 1944, Serial No. 534,770
3 Claims. (Cl. 51-241)

1. A valve grinder comprising a shaft, a grinding stone on the shaft, a member for rotating the

stone and shaft, a resilient coupling between the stone and the rotating member, said shaft serving as a pilot, said shaft having a portion of

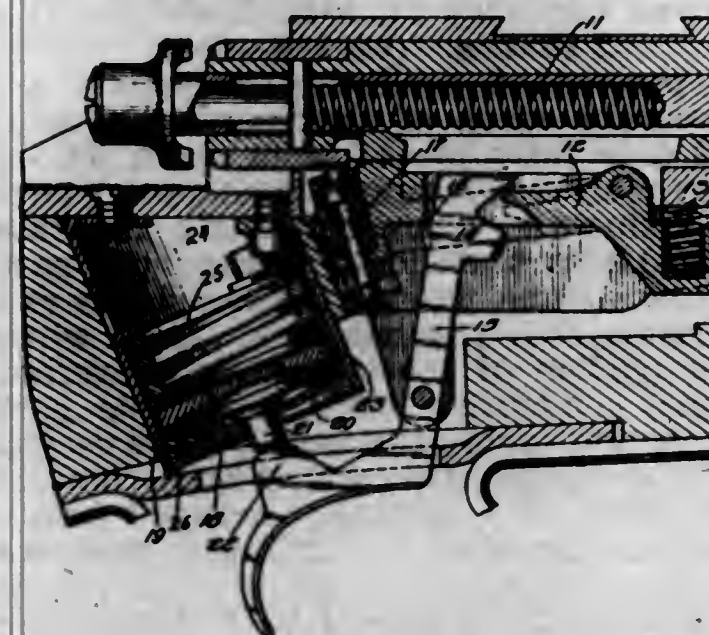


hollow construction, said shaft having ports extending from the interior of the hollow portion of the shaft outwardly adjacent the stone for washing grindings produced by the stone on work.

2,387,788

TRIGGER

Russell Wiles, Chicago, Ill.; Ethel Foster Wiles, executrix of said Russell Wiles, deceased, assignor to Ethel Foster Wiles
Application July 9, 1943, Serial No. 493,959
13 Claims. (Cl. 42-69)



1. In small arms, a spring impelled firing member which on movement from cocked position causes the discharge of the arm, a finger-controlled member, means operatively connecting the finger-controlled member with the firing member, said means including two surfaces adapted to be disengaged, the first of which is moved by the finger-controlled member to release the second, and spring means resisting the disengaging movement, said spring means being of the type whose force deflection curve has a portion with a negative slope and being arranged to resist disengagement with a force which decreases during the disengaging movement.

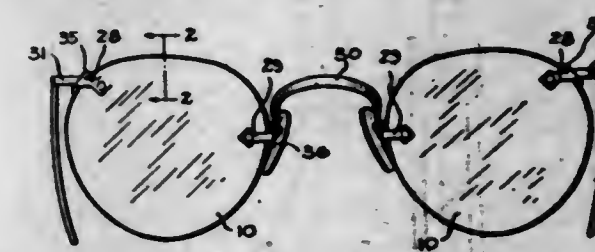
2,387,789

OPHTHALMIC MOUNTING, MORE PARTICULARLY LENS FOR MOUNTINGS, AND METHOD OF MAKING THE SAME

William Ewart Williams, Pasadena, Calif.
Application May 27, 1942, Serial No. 444,618
7 Claims. (Cl. 88-54)

1. The method of forming a lens with edge protective means comprising shaping said lens to

the contour shape and size desired, stretching a band of non-frangible plastic material of a length less than the circumference of the lens

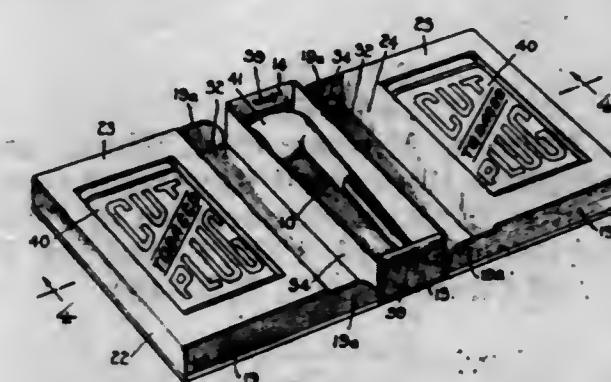


about the contour edge of said lens to an extent sufficient to cause the ends of the band to meet and the said band to be under tension and securing said band on said lens while under tension.

2,387,790

MULTICOMPARTMENT CARTON

Marshall I. Williamson, New Haven, Conn.
Application May 6, 1943, Serial No. 485,851
14 Claims. (Cl. 229-27)



1. A multi-compartmented carton comprising a blank of foldable sheet material folded upon itself to form wholly peripherally walled compartment structures disposed in common on one face of the blank and at opposite lateral sides of an intermediate portion thereof; flaps extending from the ends of the said intermediate portion of the blank; compartment-forming means disposed within the confines of said intermediate portion of the blank on the said one face thereof, and secured in place by said flaps; said compartment structures being spaced apart, respectively, from said intermediate portion of the blank by respective distances sufficient to provide clearance for said compartment structures about said compartment-forming means and to permit the said compartment structures to close in substantially book fashion about said compartment-forming means, so that those lateral walls of said compartment structures, which lie close to said compartment-forming means, will be disposed directly over and contiguous with the top of said compartment-forming means.

2,387,791

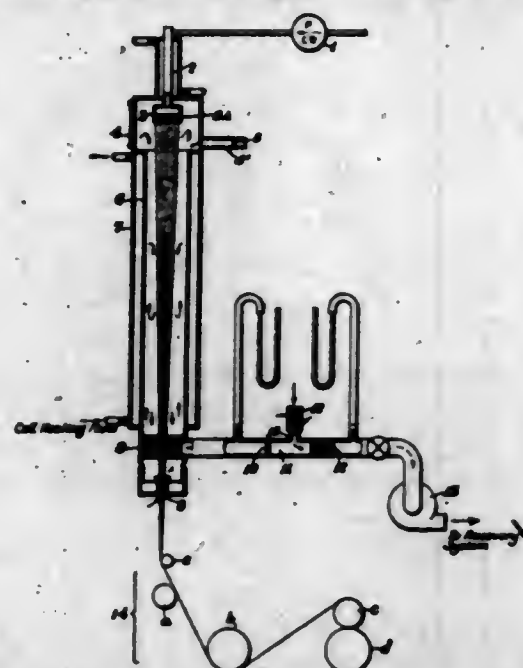
CELLULOSE ACETATE YARN AND PROCESS

Robert M. Hoffman, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Original application June 11, 1941, Serial No. 397,629. Divided and this application October 30, 1943, Serial No. 508,433

1 Claim. (Cl. 18-54)

A process for dry-spinning filaments of cellulose acetate which comprises heating an acetone solution containing from about 25% to about 32% by weight of cellulose acetate to a temperature of from about $50^{\circ}\text{C}.$ to about $70^{\circ}\text{C}.$, and extruding said heated solution through circular orifices of from about 0.10 to about 0.30 mm. in diameter

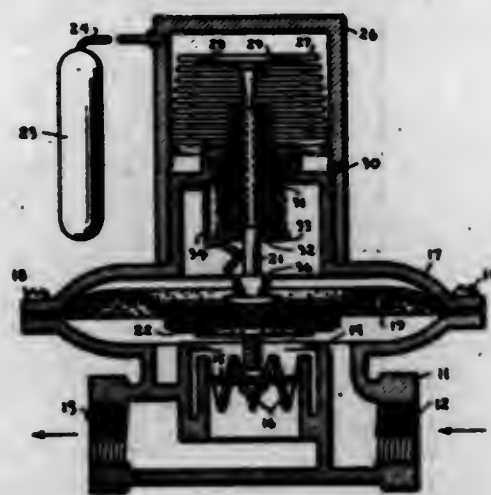
into an atmosphere maintained throughout at a temperature of from about 85° to about 115° C.



and comprising throughout at least 1500 grams of acetone vapor per cubic meter of atmosphere.

2,387,792 VALVE

Gifford I. Holmes, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 11, 1939, Serial No. 308,541
16 Claims. (Cl. 236-48)



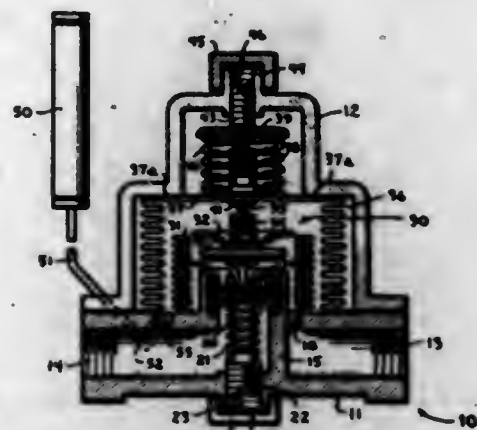
2. A thermostatic valve comprising a movable valve member, an expansible metallic bellows containing a volatile fluid for positioning the valve member in accordance with temperature, closing means for closing the valve member, a latch for holding the closing means in inoperative position, said latch being releasable by the valve member when the pressure of the volatile fluid within the metallic bellows is reduced excessively.

2,387,793 VALVE

Gifford I. Holmes, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 16, 1940, Serial No. 352,905
13 Claims. (Cl. 236-99)

1. A valve mechanism comprising, a valve casing, a modulating valve member operable between a closed position and a modulating open position, a first spring biasing said valve open, a first bellows having a predetermined effective area, a condition responsive device responsive to the variations in a variable condition for exerting a variable force upon said bellows against the bias of said first spring to thereby modulate said valve, a second bellows having a predetermined larger effective area than said first bel-

lows, said second bellows also being acted upon by said condition responsive device, and a second spring, stronger than said first spring, exerting a force in a direction to close said valve when



said second bellows is collapsed, said stronger second spring being held in an inactive position by said second bellows for normal operating conditions for said valve.

2,387,794 PREPARATION OF p-CYMELE FROM A MONOCYCLIC TERPENE

Washington Hull, Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Original application January 9, 1943, Serial No. 471,878. Divided and this application December 11, 1943, Serial No. 513,991
2 Claims. (Cl. 260-668)

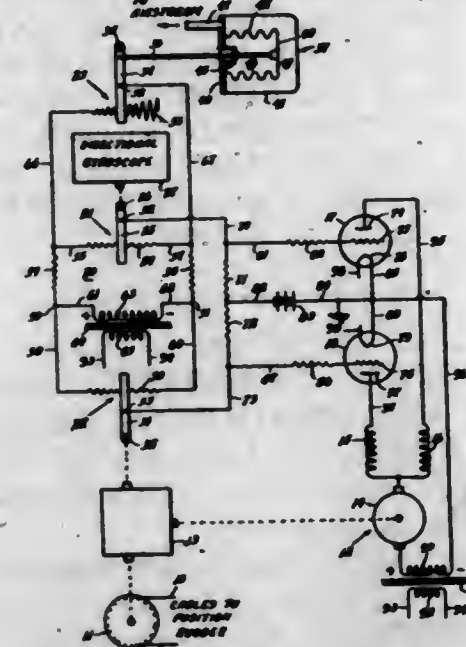
1. A process of producing p-cymene which comprises the steps of maintaining a catalyst body at a temperature of from about 375°-500° C., completely vaporizing a monocyclic terpene having a single isopropyl side chain at a rate of from 0.1-1.0 part of liquid terpene per part of catalyst by volume, passing the completely vaporized terpene over the heated catalyst, whereby a major portion of the terpene is converted to p-cymene, condensing the condensable portion of the reaction vapors and isolating the p-cymene content therefrom; said catalyst body comprising 1-3 mol parts of a substance selected from the group consisting of Cr₂O₃, CrO₃ and mixtures of the same, together with from 1 to 3 mol parts of manganese oxide, supported on a carrier having a high surface activity by exhibiting substantially no tendency to crack off the isopropyl side chain at an operating temperature.

2,387,795 AIRCRAFT CONTROL APPARATUS

Siegfried G. Isserstedt, Toronto, Ontario, Canada, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 26, 1943, Serial No. 480,674
7 Claims. (Cl. 172-282)

1. A system for operating a control surface on an aircraft, comprising in combination, motor means for positioning said surface with respect to said aircraft, means movable in response to a condition indicative of the need for operation of said surface, a main controller driven by said condition responsive means, a follow-up controller driven by said motor means, means including said controllers for controlling said motor means to move said surface proportionally to the movements of said condition responsive means, means for varying the ratio between a given movement

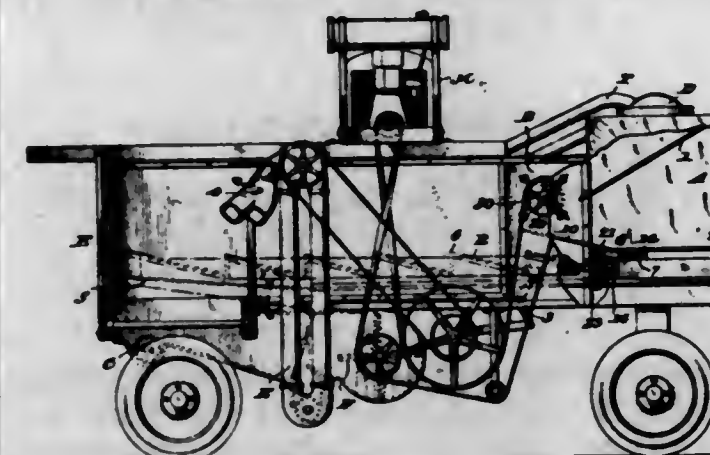
of said condition responsive means and the following movement of said surface, and means responsive to the speed of said aircraft relative to the surrounding air for operating said ratio varying means so that said ratio increases with in-



crease in said speed, said ratio varying means including an element so formed that as said ratio varying means is operated by said speed responsive means to increase said ratio, the amount of change of said ratio for a unit change in said speed decreases with increase in speed.

2,387,796 THRESHER

Bobby F. Jones, Lexington, Ky.
Application August 17, 1943, Serial No. 498,991
4 Claims. (Cl. 130-27)



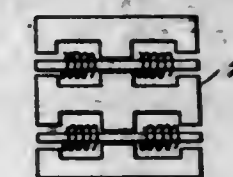
1. In a hemp thresher, a feed opening including a substantially straight, receiving floor terminating inwardly of the opening and terminating adjacent a resiliently mounted grating, said grating extending upwardly and away from said floor, a deflector plate, above said floor extending inwardly and downwardly and terminating in an end portion above the central portion of said grating, and a rotary beater having a series of blades extending transversely of said thresher, said beater being located just beyond the end of said deflector and over said grating, and including concave surfaces between said blades.

2,387,797 REACTANCE

Russell W. Keiser, Atlanta, Ga., assignor to Boucher and Keiser Company, Atlanta, Ga., a partnership
Original application December 4, 1941, Serial No. 421,700. Divided and this application May 29, 1942, Serial No. 445,047
1 Claim. (Cl. 171-242)

A multiple reactor comprising a pair of straight core sections positioned parallel to each

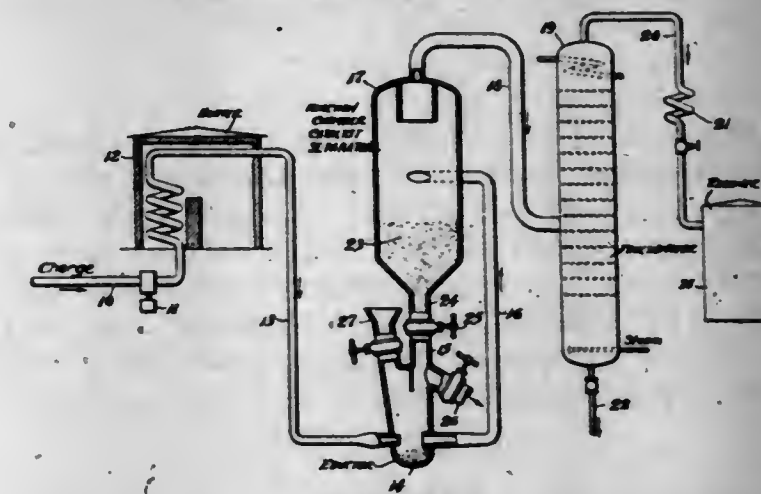
other, two inductance coils wound and spaced on each of said sections, an intermediate core section engaging each of the parallel sections in-



intermediate their coils, said intermediate section having portions extending to close the magnetic circuit for each coil except for a small air gap.

2,387,798 CONTINUOUS CATALYTIC CONVERSION OF HYDROCARBONS

Naci F. Kubicek, Hammond, Ind., and Morris T. Carpenter, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application January 27, 1938, Serial No. 187,290
5 Claims. (Cl. 196-52)



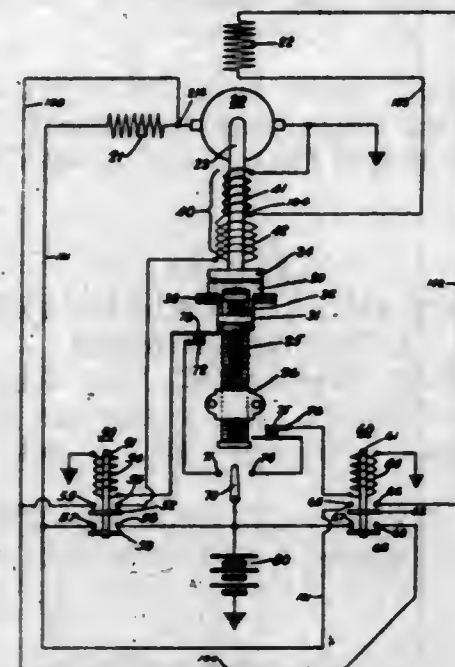
1. In the process of cracking heavy hydrocarbon oils into high knock rating gasoline wherein the vapors of the hydrocarbon oil are contacted with a suspended, solid cracking catalyst at a temperature within the cracking range, the improvement comprising completely vaporizing a stream of said hydrocarbon oil and heating the vapors to the desired reaction temperature, dispersing said catalyst directly in said vapors, introducing catalyst and hydrocarbons into an enlarged reaction zone consisting of a single enlarged space and therein effecting the cracking of said hydrocarbons in the absence of a liquid phase, effecting the separation of catalyst from hydrocarbon vapors in said reaction zone, withdrawing converted hydrocarbon vapors from the upper part of said reaction zone above the point of introducing hydrocarbons therein and withdrawing separated catalyst from the lower part of said reaction zone below the point of introducing hydrocarbons therein.

2,387,799 MOTOR CONTROL

Robert William Leland, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 3, 1944, Serial No. 529,249
4 Claims. (Cl. 172-239)

1. In combination with an electric motor having an armature circuit and two field windings; a source of electric power; a member driven by the motor; a shaft; a stationary friction element, coupling means on the shaft normally engaging the friction element for preventing rotation of the shaft and adapted to be shifted into operative engagement with the motor driven member for rotating the shaft; an electromagnet having

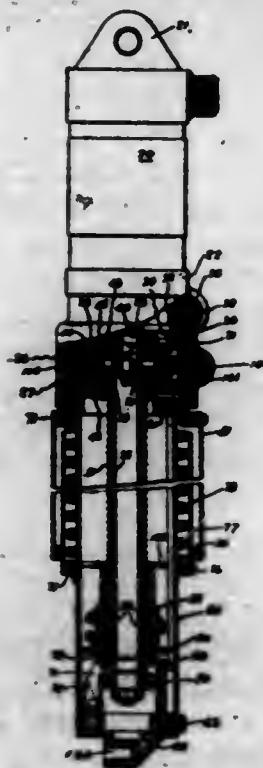
a winding adapted to be energized to shift the coupling means for connecting the motor driven member with the shaft; two circuit controlling switches, one adapted to be actuated to connect the source of power directly across the motor armature and the two motor field windings and a portion of the magnet winding in series with



each other and in parallel with the armature circuit, the other switch, when actuated, connecting the source of power with the one motor winding in series with the armature circuit and also in series with the entire magnet winding; and a switch selectively operable to render one or the other of said control switches operative to complete its respective circuits.

2,387,800 ACTUATOR

Robert W. Leland and Calvin J. Werner, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 19, 1944, Serial No. 545,715
12 Claims. (Cl. 268-74)



1. In a device of the character described, the combination with a closure member adapted to be moved from closing into open position with a quick action; a spring loaded shifter connected to the closure member and operative to actuate said member; a latch engaging said shifter and releasably holding it in spring loaded position in which the closure member is maintained in closing position; a screw shaft with a non-rotatable nut threaded thereon and movable axially there-

on in response to rotation thereof; means on said nut being operative, in response to axial movement on the nut in one direction; on the screw shaft, first to engage the latch and release said shifter and second to strike said shifter and start it on its spring actuated movement completely to move the closure member to full open position, other means on said nut, operative in response to axial movement of the nut in the opposite direction on the shaft directly to engage the shifter and return it into normal spring loaded and latched position; and means for rotating the screw shaft in either direction.

2,387,801 PROCESSES FOR TREATING CELLULOSE MATTER AND RESULTING PRODUCT

Christopher Luckhaupt, Jamaica, N. Y., assignor to Luckite Processes, Inc., Delawanna, N. J., a corporation of New Jersey
No Drawing. Application February 14, 1942, Serial No. 430,943

11 Claims. (Cl. 117-143)
1. The method of treating cellulose material, which method comprises impregnating the cellulose material with terpene hydrochloride while the hydrochloride is at a temperature at or above its melting point.

2,387,802 SEPARABLE TRACK FOR CRAWLER TYPE VEHICLES

Robert Mayne, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application September 20, 1941, Serial No. 411,673
13 Claims. (Cl. 305-10)



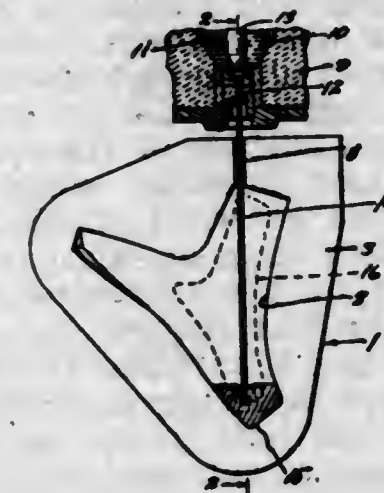
2. A separable self-laying track comprising a substantially continuously flexible body having ends adapted for detachable connection, said body comprising rubber-like material, a flexible tension structure embedded in said material and secured thereto by vulcanized adhesion, a plurality of cross bars at spaced-apart positions along the body and connected to said tension structure in drive-transmitting relation solely by intervening rubber-like material in vulcanized adhesion with said bars and structure, and connecting bars to which said structure is secured at the ends of said body, said connecting bars being directly engageable with each other by relative movement in a direction substantially normal to the tread face of the track.

2,387,803 METHOD OF CASTING

Henry E. McWane and Hugh K. McGavock, Lynchburg, Va.; said McGavock assignor to said McWane
Application September 30, 1942, Serial No. 460,259

4 Claims. (Cl. 22-200)
1. A method of regulating the chill in comparatively thin gray castings produced in a metallic mold having a top gate comprising positioning the mold so that the lowest portion of the mold cavity and the mold gate are aligned in

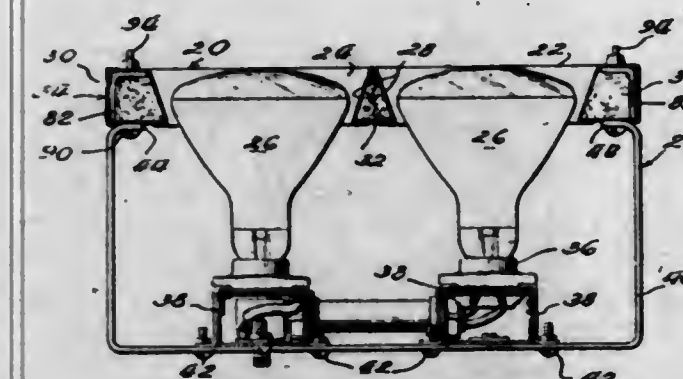
the mean axis of that portion of the resulting casting desired to be gray, introducing a stream of molten iron through the gate into the mold cavity so that it initially contacts the lowest



portion of the cavity, and controlling the rate of introduction of molten iron to control the degree of preheating of the walls of the mold cavity adjacent said stream to thereby regulate the depth of chill of the gray portion of the casting.

2,387,804 REFLECTIVE PANEL

William J. Miskella, Cleveland, Ohio
Application February 5, 1942, Serial No. 429,621
14 Claims. (Cl. 219-34)



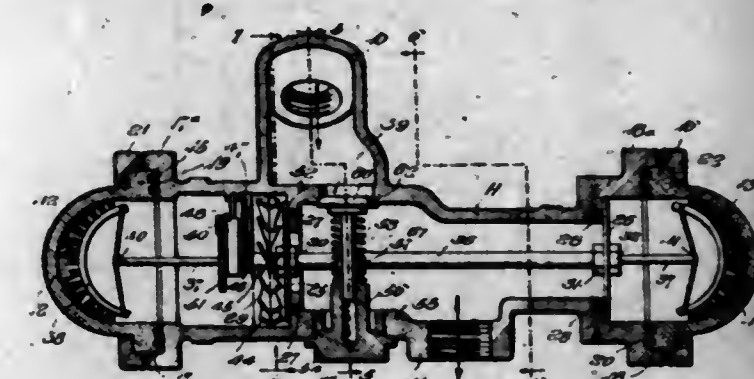
8. A reflector comprising a generally plane surfaced element of substantial thickness having openings therein to accommodate the enlarged portions of bulbs, said element comprising a back plate, a front plate, reinforcing and spacing members positioned between said plates, and said front plate being comprised of a plurality of generally similar reflecting elements secured to said back plate at the edges of a plurality of the openings which accommodate said bulbs.

2,387,805 VISUAL FLUID FLOW INDICATOR

Louis R. Olsen, Erie, Pa., assignor to Erie Meter Systems, Inc., Erie, Pa., a corporation of Pennsylvania
Application November 12, 1942, Serial No. 465,396
2 Claims. (Cl. 116-117)

2. A visual fluid flow indicator comprising a hollow housing having an inlet and an outlet coupling and opposed openings at the ends thereof in a plane normal to said couplings, a separate window closing each of said openings, a wall within said housing separating said inlet coupling from the interior of the housing, an elongated shaft axially mounted within said housing, said shaft having two brushes, one at each of its opposed ends, one of said brushes contacting the interior of one window, and the second brush con-

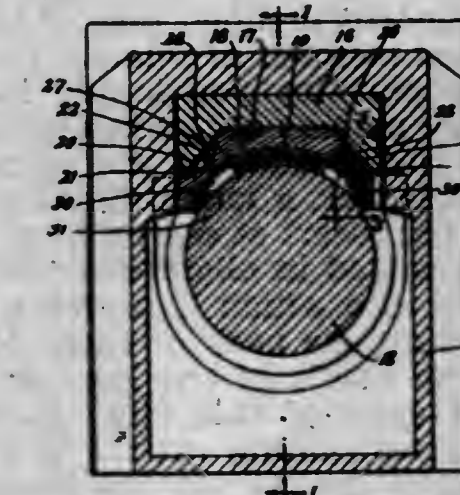
tacting the interior of the other window, a propeller mounted within said housing, said wall having a by-pass leading to said propeller, means connecting said propeller to said shaft to rotate the latter upon the flow of fluid from said inlet coupling through said by-pass to said outlet coupling, a valve within said housing, said valve comprising a removable plug threaded into a wall of the cas-



ing, said plug having a central aperture and an upper reduced portion, a spring seated on said reduced portion, a headed valve having a stem slidable in the aperture of said plug, the head of said valve having a seat in said first mentioned wall, said valve being movable against the tension of said spring to allow fluid to flow from said inlet to said outlet coupling during increased fluid pressure.

2,387,806 JOURNAL BEARING

Edwin S. Pearce, Indianapolis, Ind.
Application June 2, 1942, Serial No. 445,418
8 Claims. (Cl. 302-54)



1. In a railway axle journal box having a wedge with a central load transmitting area of substantial width flanked by a downwardly facing and outwardly inclined portion at each side; a bearing adapted to cooperate with the wedge in transmitting the load to the journal, said bearing comprising a structural adapter or strength member having a load receiving crest portion of a width corresponding to the width of the central load transmitting area of the wedge, a downwardly and outwardly extending inclined portion at each side of said crest, which inclined portions are arranged in slightly spaced relation to the adjacent inclined faces of the wedge so that they receive no load from the wedge, an opening in an inclined side portion of said adapter member opposite the adjacent inclined face of the wedge, a separable insert member of relatively soft bearing metal, and a cooperating positioning lug on the back of said insert member opposite to said opening in the adapter, which lug projects substantially radially outwardly into said opening to lie outside the load receiving crest portion of said adapter member.

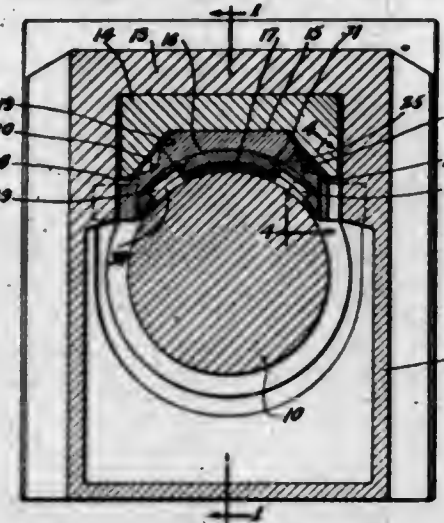
2,387,807

JOURNAL BEARING

Edwin S. Pearce, Indianapolis, Ind.

Original application June 2, 1942, Serial No. 445,418. Divided and this application March 31, 1944, Serial No. 528,883

2 Claims. (Cl. 308-54)



2. In a railway axle journal box having a wedge with a central load-transmitting area of substantial width flanked by a downwardly facing and outwardly inclined portion at each side; a bearing adapted to cooperate with the wedge in transmitting the load to the journal, said bearing comprising a structural adapter or strength member having a load-receiving crest portion of a width corresponding to the width of the central load-transmitting area of the wedge, a downwardly and outwardly extending inclined portion at each side of said crest, which inclined portions are arranged in slightly spaced relation to the adjacent inclined faces of the wedge, an opening in each of said side portions of said adapter member opposite the adjacent inclined face of the wedge, a separable insert member of relatively soft bearing metal, a cooperating positioning lug on the back of each side portion of the insert in position to project into the opening in the adjacent side portion of the adapter, a longitudinal slot in the journal face of the insert at each side of the crest which slot is arranged in alignment with the lug and the opening into which it projects, a corresponding groove on the back of each side of the insert toward the inside of the lug, an aperture extending from each of said slots through the insert to the corresponding groove at the back, and an additional groove on the back of the insert interconnecting said side grooves, the open upper faces of all of said grooves being covered by said adapter whereby said apertures and said grooves provide closed circulating passage means interconnecting the slots on the journal face of the insert.

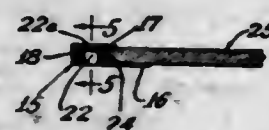
2,387,808

CALENDAR EDGING AND CALENDAR AND METHOD AND MACHINE FOR ASSEMBLING SAME

Joseph L. Pruneau, Chicago, James Mullally, River Grove, and James F. Hanrahan, Chicago, Ill., assignors to Paper Converting and Finishing Company, Chicago, Ill., a corporation of Illinois

Application October 4, 1943, Serial No. 504,896

8 Claims. (Cl. 281-21)



2. A calendar comprising a pad of calendar sheets, a calendar edging formed from a body of

paper or like material and including a top wall, a bottom wall and a rear wall interconnecting said top and bottom walls, said pad of calendar sheets including an end portion disposed between the said top and bottom walls of said calendar edging and the said end portion of said calendar pad having a hole extending therethrough, the said bottom wall of the said calendar edging having a locking tongue formed integrally therewith and the inner surface of the said top and bottom walls of said calendar edging having a coating of adhesive material thereon and the said top and bottom walls of said calendar edging being secured by the said adhesive coating thereon to the top and bottom sheets, respectively, in the said pad of calendar sheets, and the said locking tongue including a portion extending through the said hole in the said end portion of the said pad of calendar sheets, and the said locking tongue including an angled end portion extending over the top surface of the uppermost one of the said sheets in the said pad of calendar sheets and the upper surface of the said angled end portion of said locking tongue being adhesively secured to the lower surface of the said top wall of said calendar edging.

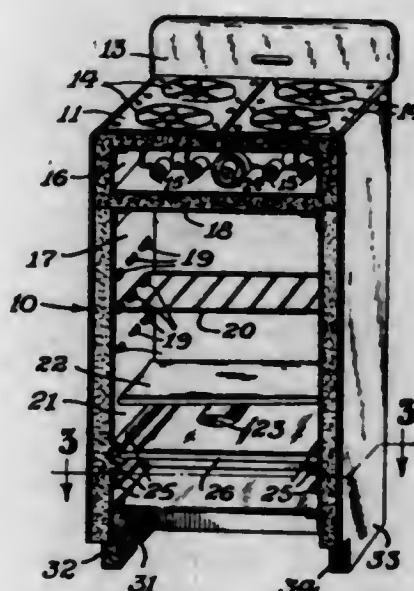
2,387,809

GAS RANGE

Arnold L. Rose, Larchmont, N. Y.

Application October 28, 1941, Serial No. 416,784

5 Claims. (Cl. 126-39)



1. A gas range having exterior walls formed of composite fire-proof pressed boards, an oven in said range interiorly bounded by thin metallic walls and insulation material between said metallic walls, and said non-metallic walls, said exterior walls augmenting the insulating effect of said material and having at least their external surfaces substantially hard and carrying a high finish.

2,387,810

CONTROL APPARATUS

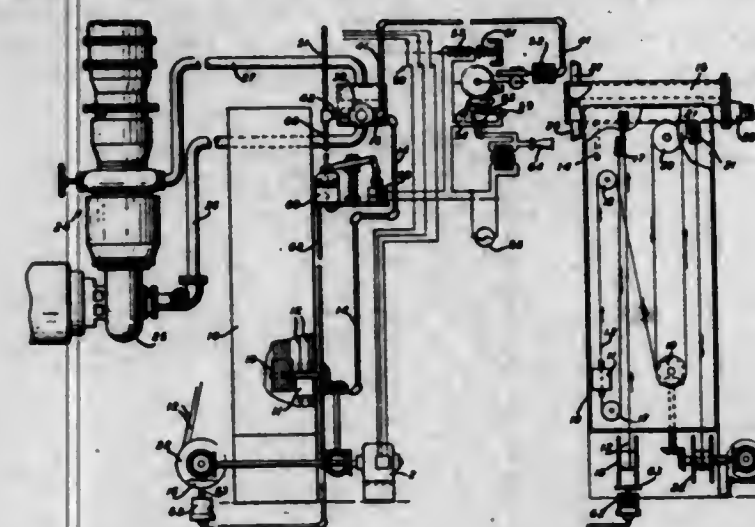
Charles C. Smith, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application January 1, 1942, Serial No. 425,375

5 Claims. (Cl. 91-18)

1. In an apparatus having a hollow member to contain a fluid under pressure and having power operated mechanism and a signal means, means to govern the operation of the mechanism in response to variation of the pressure of the fluid in the member, the said means comprising means to convert the pressure of the said fluid into cor-

respondingly varying pressure of a second fluid, means to control the actuation of the said mech-



anism, and means responsive to variation of the pressure of the second fluid to actuate the signal means first and the control means thereafter.

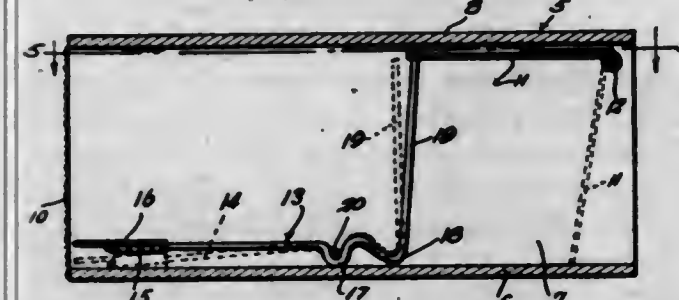
2,387,811

TRAP

Russell Smith, Martinsville, Ind.

Application August 19, 1943, Serial No. 499,259

1 Claim. (Cl. 43-61)



In a trap provided with a bottom wall and having a pivoted closure adapted to be swung upwardly to open position and to swing downwardly by gravity to closed position, a treadle and trip unit for releasably holding the closure open, said unit comprising a U-shaped wire member having similar legs bent to provide inner portions and outer terminal end portions disposed substantially at right angles to each other, said inner portions being downwardly offset to provide U-shaped transversely aligned journals near the junctures of said inner and outer portions and being further offset downwardly at said junctures to contact the bottom wall of the trap when the inner portions are substantially horizontally disposed in spaced relation to and above said bottom wall and the upper ends of the outer portions are engaged under the open closure, a fixed pivot rod extending transversely across said inner portions within said journals, and a treadle plate secured on and bridging said inner portions adjacent the intermediate portion of the wire member.

2,387,812

SYSTEM OF PRODUCING EVACUATED PACKAGES

John R. Sonneborn, Willow Grove, and Jonathan Y. Albertson, Philadelphia, Pa., assignors to Stokes and Smith Company, Philadelphia, Pa., a corporation of Pennsylvania

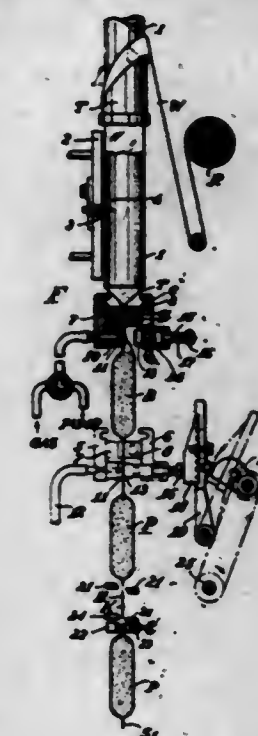
Application December 18, 1941, Serial No. 423,476

30 Claims. (Cl. 93-3)

1. A method of making a container from a tube of webbing which comprises puncturing the tube, transversely flattening and sealing the tube on opposite sides of the puncture to form the closed ends of a container, introducing filling into the

579 O. G.-50

container after formation of one of its ends, withdrawing air through the puncture from the closed



filled container while it is exteriorly exposed to atmospheric pressure, and sealing the container between the filling and the puncture.

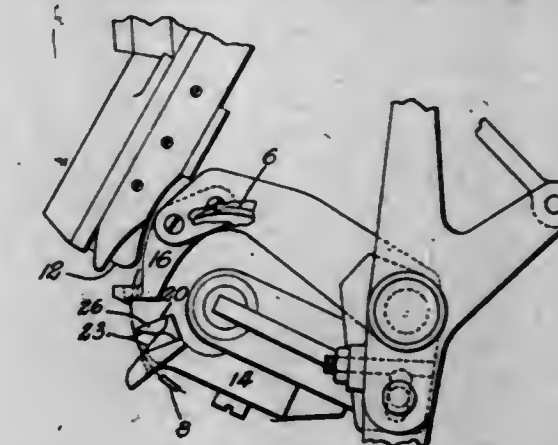
2,387,813

MOCCASIN SEAM SEWING MACHINE

Francis R. Speight, Dedham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application May 22, 1943, Serial No. 488,031

11 Claims. (Cl. 112-62)



1. In a machine for sewing moccasin seams, the combination with work-supporting means having work-engaging surfaces extending in the direction of work feed and disposed with relation to each other, to form an angle, stitch-forming devices comprising a needle movable across the angle formed by said surfaces, and a presser having a tip with angularly disposed work-engaging surfaces, of a work-engaging knife located along the seam line ahead of the point of needle operation in the direction of feed.

2,387,814

GAUGING DEVICE

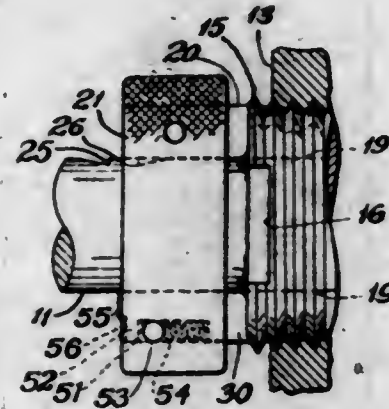
Jesse H. Straw, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio

Application September 9, 1943, Serial No. 501,598

1 Claim. (Cl. 33-199)

A gauge comprising a shank and a tapered threaded member on said shank adapted for threaded engagement with a tapered threaded ring, said member having opposed passages interrupting the annular continuity of the threads, a collar slidably mounted on said shank for axial movement thereon and having a pair of opposed

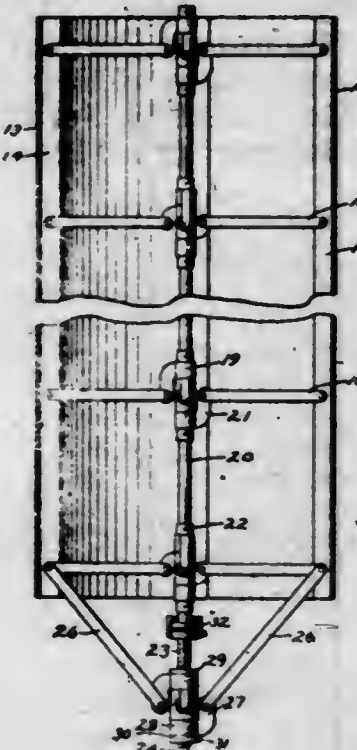
wedge arms longitudinally moveable in said passages and each provided with a straight surface engageable with the crests of the threads on the ring, said collar providing a rigid support for one



of said arms and having means supporting the other of said arms for relative axial movement, said shank and collar having cooperating portions showing oversize and undersize conditions of the crests of the threads of the ring.

2,387,815 CORE FOR TUBULAR CASTINGS

Arthur E. Troiel, Berkeley, Calif.
Application September 27, 1943, Serial No. 504,031
2 Claims. (Cl. 25-128)



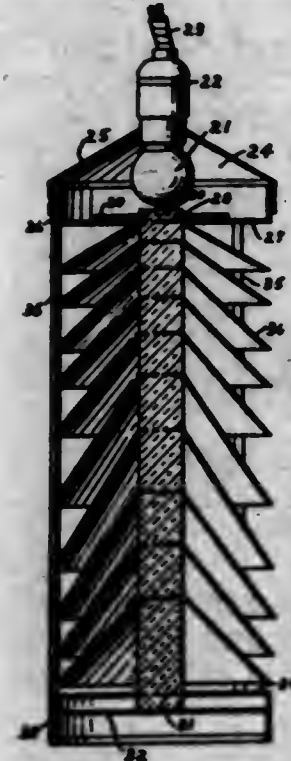
1. A contractible tubular core comprising an outer cylindrical shell, a shaft disposed axially thereof and sets of radial links connecting said shaft and shell, each set of links being connected with said shaft through fittings mounted to swivel on the shaft, said fittings being longitudinally distributed on the shaft but having pivotal connections with the links in a common plane at right angles to the shaft.

2,387,816 ILLUMINATING DEVICE

Wilfred C. Wagner, Detroit, Mich.
Application February 25, 1943, Serial No. 477,044
4 Claims. (Cl. 177-329)

1. An illuminating device adapted to provide controlled illumination of a predetermined area and prevent the dissemination of visible rays into adjacent areas, said device comprising an enclosed light source, means for transmitting and diffusing the light therefrom and comprising an elongated plastic member enclosed at each end and com-

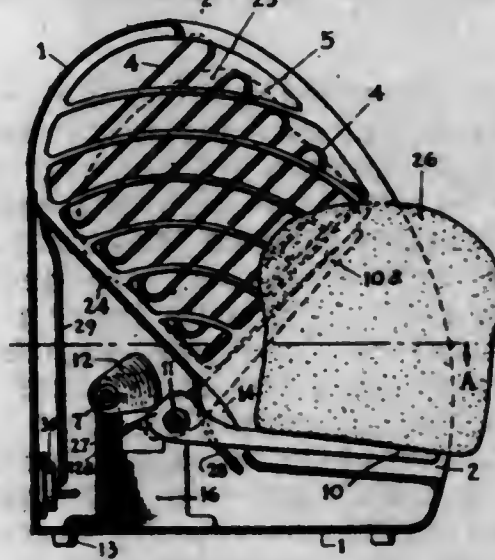
municating with said light source to transmit light therefrom, and spaced baffles associated with



said light diffusing member to reflect illumination from said member to a predetermined area of restricted horizontal and vertical dimensions.

2,387,817 AUTOMATIC TOASTER

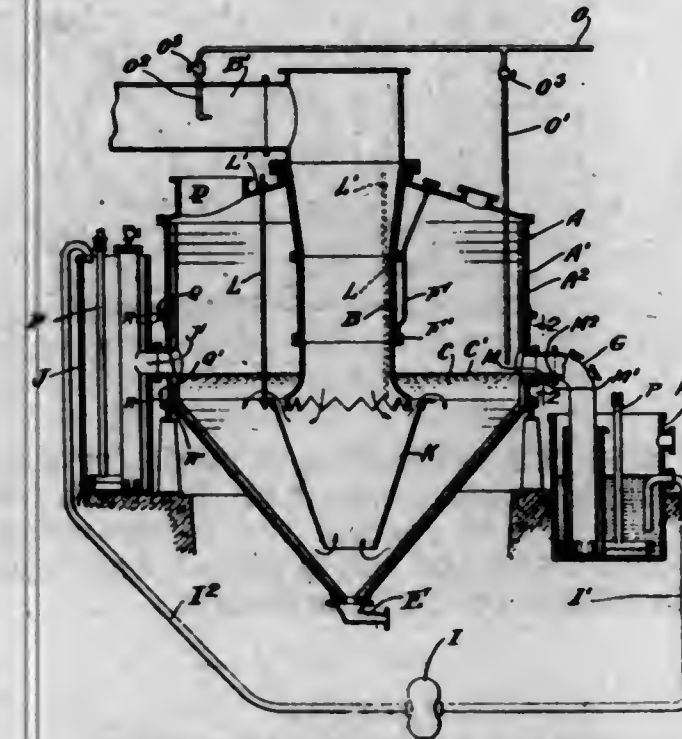
Nathaniel B. Wales, New York, N. Y., assignor to Norman Bel Geddes, doing business as Norman Bel Geddes and Company, New York, N. Y.
Application October 2, 1944, Serial No. 556,722
3 Claims. (Cl. 99-327)



1. An automatic bread toaster comprising a case, a frontal recess in said case, electric toasting means adjacent to the upper portion of said recess, a bread sustaining platform pivoted in said case, and adapted to swing in an arc in said recess from a substantially horizontal position to an elevated inwardly inclined position therein, a manual control handle capable of displacement from an initial "off" position and fulcrumed on a shaft journaled in said case, a spring actuated timer for returning said control handle at a predetermined rate of return to said "off" position and cam means secured to said horizontal shaft and adapted to elevate by engagement therewith said bread sustaining platform to that extent that bread thereon is opposite said toasting means in said recess, when said control handle is displaced from said "off" position and to disengage itself from said elevated platform when said control lever has returned to said "off" position and electric switch means actuated by said control handle to de-energize said electric toasting means when said control handle is in its "off" position.

2,387,818 APPARATUS FOR THE PRODUCTION OF SULPHATE OF AMMONIA

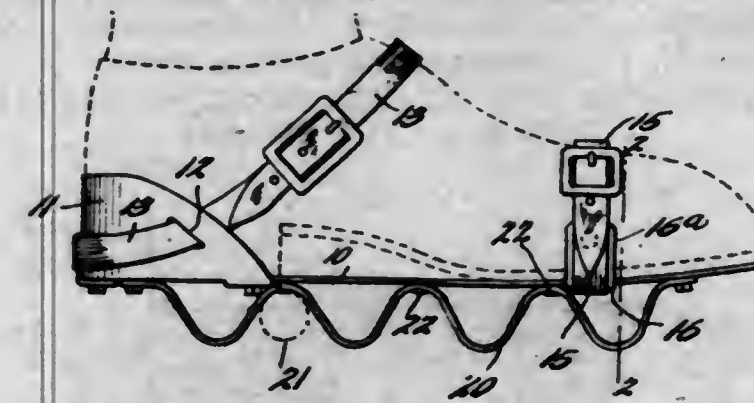
Frans Wethly, Manhasset, N. Y., assignor to Fuel Refining Corporation, Dover, Del., a corporation of Delaware
Application June 28, 1941, Serial No. 400,329
1 Claim. (Cl. 23-273)



A saturator for the production of ammonia sulphate from coal distillation gas comprising a tank including an outer shell formed in sections separated by a horizontal joint and including an acid-proof lining comprising upper and lower lead lining parts respectively extending upward and downward from said joint and including side by side outwardly extending flanges clamped together at said joint, and a horizontally extending lead strip at the inner side of said joint and having its upper and lower edges integrally connected to said upper and lower lining parts respectively, said tank, strip and lining parts being shaped to provide an air space at the outer side of said strip and between it and said lining parts and a vent opening connecting said air space to the external atmosphere.

2,387,819 SANDAL

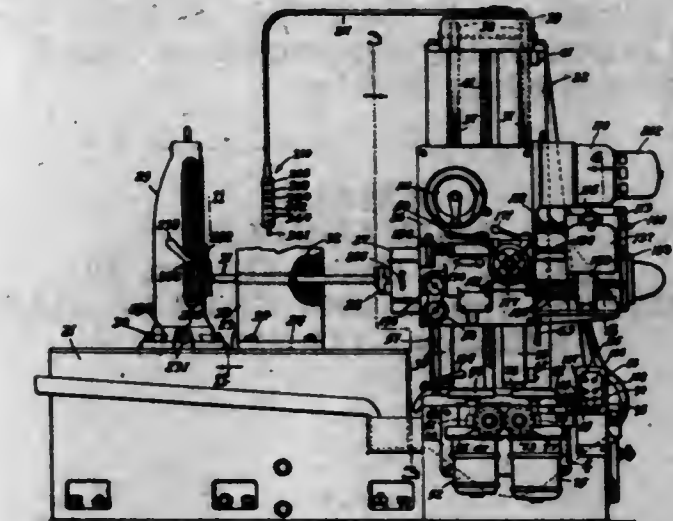
John B. Wingfield, Umatilla, Fla.
Application February 9, 1945, Serial No. 577,057
2 Claims. (Cl. 36-7.5)



1. A sandal comprising a rigid sole and means projecting downwardly therefrom to interlock with a ladder rung or the like, said means comprising a serpentine strip of metal attached to the sole at a plurality of points and providing a plurality of ladder rung-receiving recesses spaced longitudinally of the sole.

2,387,820 MACHINE TOOL

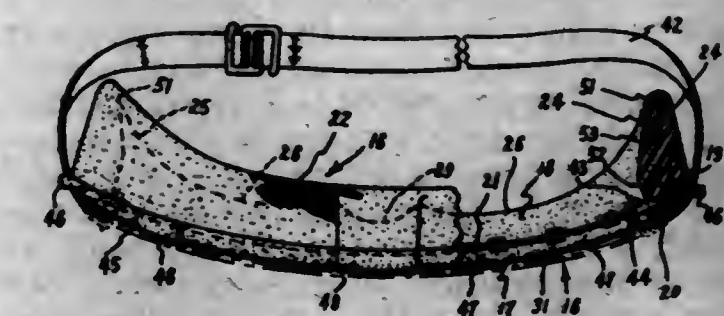
Joseph B. Armitage, Wauwatosa, and Orrin W. Barker, Kurt A. Biedel, and Francis D. Boehmer, Milwaukee, Wis., assignors to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application April 30, 1942, Serial No. 441,146
17 Claims. (Cl. 20-26)



1. In a threading machine, a ram arranged for axial feeding movement, a cutter carrying spindle rotatably mounted in said ram, an electric motor operatively connected to drive said spindle, feeding mechanism operative to effect feeding movement of said ram and arranged to be driven by said spindle, said feeding mechanism including a range changing shiftable gear, a lead changing pick-off gear set and a selective reversing gear said gears being so arranged that threads may be cut at any one of a large variety of pitches and of either hand, an electrical control system for said electric motor including directional switches operative to effect advancing and retracting movements of said ram and spindle, and a conditioning switch arranged to be set in accordance with the adjustment of said reversing gear and operative to condition said directional switches to effect the desired movements of said ram without regard to the direction of rotation of said electric motor and said spindle, whereby either right hand or left hand threads may be cut under similar conditions of control as to direction of feeding movement.

2,387,821 EYE PROTECTION MEANS

Charles A. Baratelli, Cambridge, Daniel P. Bernheim, Southbridge, and Walter Lown, Boston, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Original application December 14, 1942, Serial No. 469,020. Divided and this application January 28, 1944, Serial No. 520,038
4 Claims. (Cl. 2-14)



2. Goggles comprising a frame adapted to fit about the eyes of the wearer and shaped to re-

ceive a lens of a size and shape to extend over both eyes of the wearer, and a flexible lens member of said size and shape fitting said frame, said frame having sufficient body to maintain of itself a predetermined curvature and being curved transversely to conform to the general curvature of the face, said frame being grooved to receive the peripheral edge of the lens member, and means carried by the frame for releasably retaining the lens in the groove with the lens held to the curvature of the frame, at least one wall of said groove being deformable to permit ready removal of the lens member.

2,387,822

HAIR CURLER

Matthew F. Basky, Ottawa, Ill.

Application June 6, 1944, Serial No. 538,896
5 Claims. (Cl. 132-40)

5. A hair curler of the class described comprising an open ended perforated tubular mandrel, a lever arranged on one side and externally of the mandrel and pivotally attached thereto at one end of the mandrel and adapted to clamp hair-ends between itself and said mandrel, a longitudinally projectible and retractible U-shaped clip, said clip being disposed on a side of the mandrel diametrically opposite to said lever, said clip embodying close spaced parallel arms and said arms straddling that portion of the wall of the mandrel diametrically opposite to said lever, the right portion thereof engaging the adjacent end of the mandrel when the clip is closed, one arm being disposed on the exterior of the mandrel and the other arm on the interior of the same wall portion of said mandrel, and coating means between the last named arm and mandrel for slidably keying said arm to the mandrel.

2,387,823

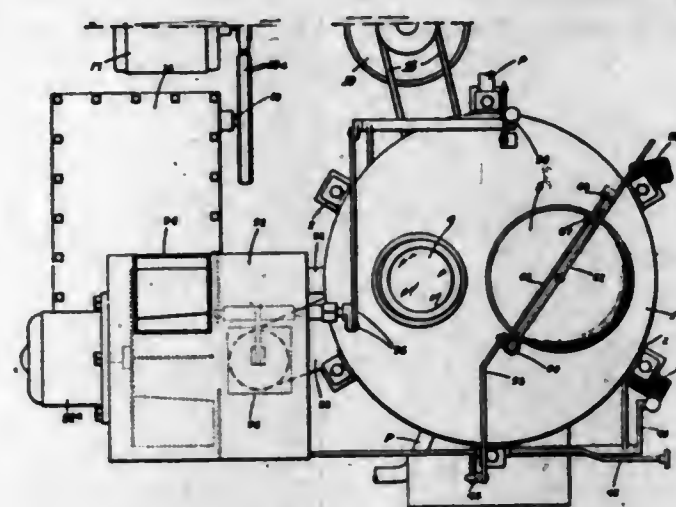
DRY CLEANING MACHINE

Le Roy E. Berry, Stockton, Calif.

Original application September 30, 1940, Serial No. 358,989, now Patent No. 2,346,648, dated April 18, 1944. Divided and this application March 18, 1944, Serial No. 527,108
1 Claim. (Cl. 192-136)

In a cleaning machine, a cylinder unit, means mounting the unit for rotation about a vertical axis and including a vertical shaft, a motor to rotate the shaft, a normally open switch in the circuit of the motor, manual means to close the switch including a vertical rod movable upwardly from a predetermined neutral position, releasable holding means preventing return of the rod when once so moved, a closed tank in which the unit is mounted, a door on the top of said tank to give access to the cylinder unit, a latching bar extending over the door, the rod extending upwardly alongside the tank to the tank top adjacent the door, a pivot on the tank for the bar disposed between the door and rod, a bell crank having a horizontal and a vertical arm pivoted on the tank

top below the bar pivot, the rod being pivoted on the horizontal arm of the bell crank, a horizontally movable locking bolt pivoted on the vertical arm of the bell crank, the pivot points of



the bar and bolt coinciding, a guide for the bolt on the bar, a socket element on the tank for the bolt in position to receive the latter when the door is closed and the rod is raised, and separate means to release the holding means.

2,387,824

AMINO ACID SEPARATION

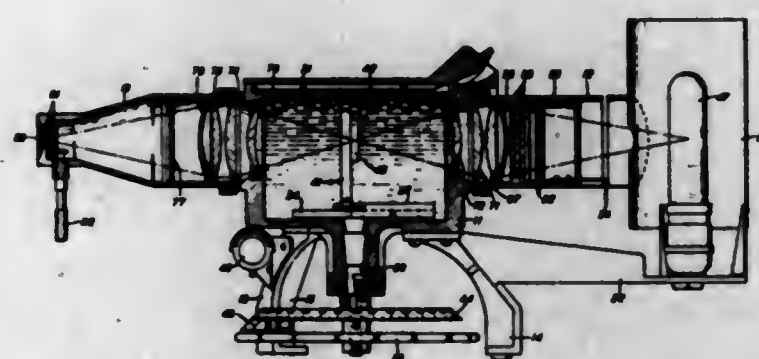
Richard J. Block, Scarsdale, N. Y., assignor to C. M. Armstrong, Inc., a corporation of New York

No Drawing. Application April 3, 1943,
Serial No. 481,787

7 Claims. (Cl. 260-529)

1. In effecting the separation of amino acids containing a plurality of nitrogen atoms in a mixture of such acids, the method which comprises forming an aqueous solution including salts of arginine and lysine with an acid, contacting the solution with a solid cation exchanger adjusted to the acid cycle, draining remaining solution from the exchanger, washing the exchanger and absorbed material with water, then elutriating the washed product with an aqueous solution of a desorbing acid at a pH of about 0.3 to 1, and separating the resulting elutriate from the exchanger, the proportion of lysine to arginine being substantially higher in the elutriate than in the original solution of the amino acids used.

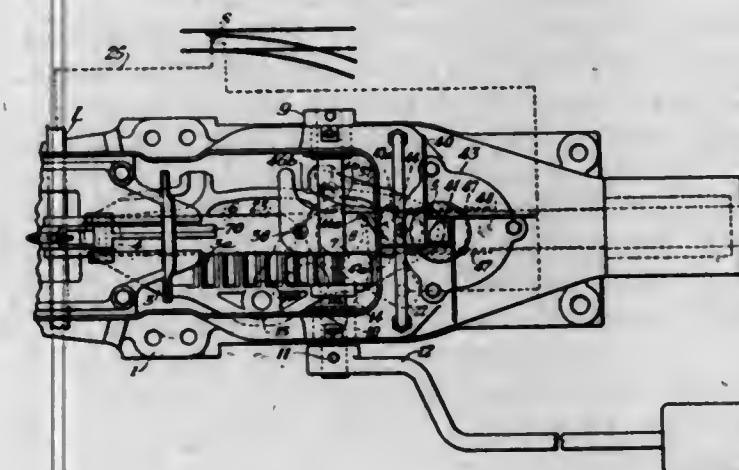
2,387,825

CONOSCOPE AND METHOD OF USING THE SAMEWalter L. Bond, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 26, 1943, Serial No. 488,477
2 Claims. (Cl. 88-14)

1. In an immersion type conoscope for examining a quartz crystal, an immersion tank, means

within said tank for supporting a quartz crystal being examined, means for passing rays of polarized light through said tank, a reticule, an eyepiece for viewing said reticule, a pair of spaced, vertical guide lines on said reticule with which the optical ring pattern obtained during use of the conoscope is aligned, and an immersion liquid in said tank, said liquid having an index of refraction which is less than the refractive index of quartz by an amount equal to $.530 \tan^2 d$ where d represents one-half of the angle corresponding to the separation of said vertical guide lines on said reticule.

2,387,826

RAILWAY SWITCH OPERATING MECHANISMHerbert L. Bone, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 8, 1943, Serial No. 505,501
8 Claims. (Cl. 246-284)

1. In a switch operating mechanism comprising a casing containing a motion plate reciprocable between two extreme positions and operatively connected with a switch for moving the switch between its two extreme positions, in combination, a lock rod slidably mounted in said casing and operatively connected with the switch, a lock bar slidably mounted in said casing and movable between a locking position in which it locks said lock rod and an unlocking position, spring means connecting said lock bar with said motion plate in such manner that said lock bar normally moves in unison with said motion plate but that said spring means will yield and disengage said lock bar from said motion plate if said lock bar is prevented from moving to its locking position due to maladjustment of said lock rod when said mechanism is operated to move said switch to its one extreme position, a target, and means operated by said lock bar for operating said target.

2,387,827

CORE OIL

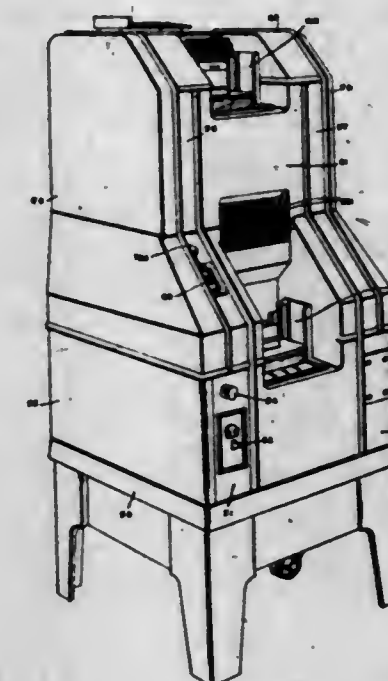
Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 9, 1942,
Serial No. 430,079

7 Claims. (Cl. 22-188)

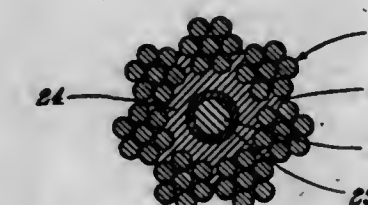
1. A core oil comprising as essential ingredients from 5 to 95% of polymerized rosin and from 10 to 65% of a drying oil, said percentages being based upon the non-volatile ingredients in the core oil.

2,387,828

PUNCHING MECHANISMKarl J. Braun, North Merrick, and Otto E. Kase, Valley Stream, N. Y., assignors to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application December 1, 1944, Serial No. 566,200
38 Claims. (Cl. 164-114)

1. In a machine of the class described having means for sensing data recorded in unlike codes and a comparing mechanism for receiving and comparing said recorded data, the combination with said comparing mechanism, of a decoding mechanism for converting the data sensed in one code to correspond to the data sensed in another code.

2,387,829

ELECTRICAL APPARATUSJohn Burnham, North Adams, and James L. Hyde, Williamstown, Mass., assignors to Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts
Application December 29, 1942, Serial No. 470,434
4 Claims. (Cl. 201-64)

1. A flexible antenna adapted to operate under conditions conducive to the formation of ice deposits thereon, comprising a central flexible core of electrical resistance metal, a heat-resistant electrically-insulating coating having a thickness not substantially greater than .020" on said core and in intimate thermal contact therewith, a flexible deformable metal sheath surrounding said electrically-insulating coating and de-aerated so as to be intimate thermal contact therewith, and a plurality of flexible electrically-conducting wires surrounding said sheath and at least partially embedded therein.

2,387,830

NONBENZENOID FUSED POLYCYCLIC COMPOUNDS

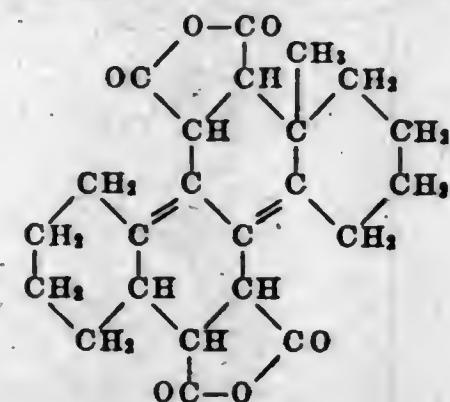
Lewis W. Butz, Beltsville, Md., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office

No Drawing. Application December 12, 1942, Serial No. 468,795

10 Claims. (Cl. 260—239.5)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The 6a-methyltetradecahydrochrysene-5,6,11,12-tetracarboxylic-5,6,11,12-dianhydride, having substantially the structure:



2,387,831

PLASTIC COMPOSITION CONTAINING POLY-VINYL PARTIAL ACETAL RESINS

Howard D. Cogan and Richard W. Quarles, Pittsburgh, Pa., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application June 11, 1943, Serial No. 490,452

13 Claims. (Cl. 260—43)

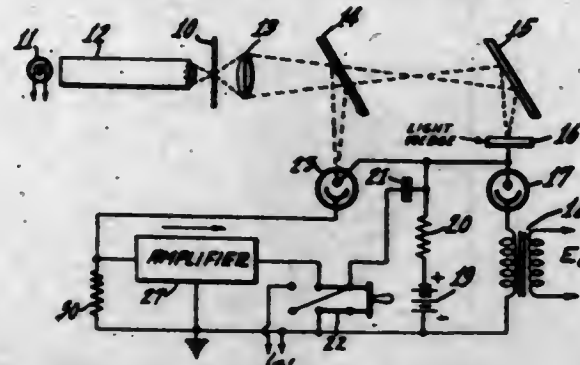
1. A plastic composition containing a water-insoluble, originally alcohol-soluble resinous partial acetal of polyvinyl alcohol and an aliphatic monoaldehyde combined with from 2 to 30% by weight of the resin on a dry basis of an aliphatic dicarbonyl compound of the group consisting of glyoxal and methyl glyoxal.

2,387,832

REPRODUCTION OF SOUND

John E. Cooney, Waldoboro, Maine
Application April 18, 1944, Serial No. 531,560

7 Claims. (Cl. 179—100.3)



1. The combination of means for producing a single light beam which varies in position along a predetermined line and has an intensity which varies only as a result of imperfection in said beam producing means, means for separating said beam into a pair of beams, a pair of photosensitive elements each arranged to receive light from a different one of said beams, means interposed in the path of one beam of said pair for producing in one of said photosensitive elements current of an amplitude dependent on the position of said beams, and means responsive to the output of the other of said photosensitive elements for regulating the intensity of said beams.

2,387,833

POLYMERIC ACETALS AND PROCESS OF MAKING SAME

Joseph Dahle, West Newton, Mass., assignor, by mesne assignments, to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware

No Drawing. Application October 30, 1942, Serial No. 463,943

6 Claims. (Cl. 260—73)

1. The process of water-insolubilizing a water soluble solid polyvinyl alcohol which comprises treating said solid alcohol with a solution of sulfuric acid and methanol, drying, and then heating it at a refluxing temperature in the presence of an acetalization catalyst and an aldehyde in a hydrocarbon which is liquid at normal temperature and pressure until the reaction product is insoluble in water, thereby producing a polyvinyl acetal which is not soluble in said hydrocarbon, the base material and the final product being in the solid state throughout the process.

2,387,834

RUBBER ACCELERATOR

Arnold R. Davis, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 19, 1942, Serial No. 455,362

10 Claims. (Cl. 260—785)

1. The process which comprises vulcanizing rubber in the presence of sulfur and the condensation product obtained by fusing a mercaptoarythiazole, cyanamide and a formaldehyde polymer, the mercaptoarythiazole and the cyanamide being present in substantially equimolecular proportions.

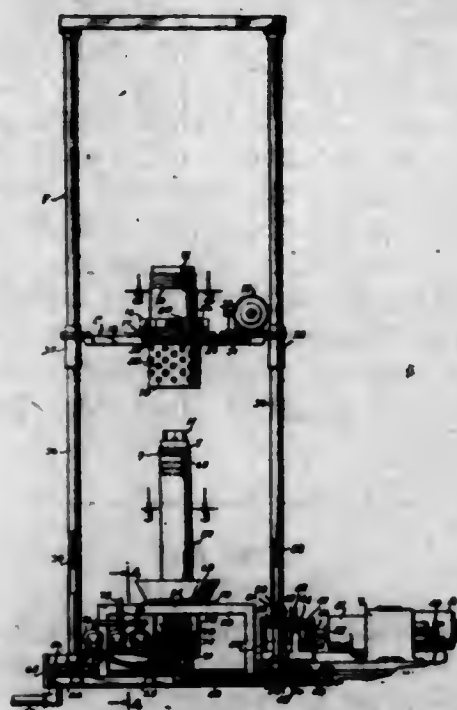
2,387,835

METHOD OF AND APPARATUS FOR HEAT-TREATING METAL BODIES

Roger O. Day, Westfield, and Britton L. Gordon, Montclair, N. J., assignors to The Linde Air Products Company, a corporation of Ohio

Application March 18, 1938, Serial No. 196,634

12 Claims. (Cl. 148—21.55)



1. Apparatus for heat treating an inner surface of a hollow metal body comprising a framework and a carriage movable thereon; means mounted upon said carriage for supporting said body; means mounted on said carriage for rotating said body with respect to said carriage; means for simultaneously directing high temper-

ature heating flames and jets of cooling fluid against adjacent lateral zones of said surface; and means for moving said carriage and said rotating body past said heating and cooling means so as to heat and cool successive zones of said surface.

9. A method of hardening an inner surface of revolution of a hollow ferrous metal body which comprises directing high temperature heating flames and jets of cooling liquid radially against adjoining circumferential zones of said inner surface; effecting a relative longitudinal movement between said heating flames and cooling jets and said surface so as to heat and cool successive circumferential zones of said surface and thereby harden the same; and resiliently pressing against said body with radial forces at spaced points distributed substantially equally about the circumference of said body to maintain said body in circumferential alignment with the path of such relative longitudinal movement so as to permit said body to expand and contract circumferentially during such hardening.

2,387,836

4-METHYL-ALPHA-METHYL STYRENE FROM BICYCLIC TERPENES

James K. Dixon, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 23, 1943, Serial No. 491,940

3 Claims. (Cl. 260—669)

1. A process of producing alpha, 4-dimethyl styrene which comprises vaporizing a bicyclic terpene, passing the vaporized material over a catalyst comprising 2-15% by weight of a difficultly-reducible metal oxide selected from the group consisting of the oxides of chromium, molybdenum, vanadium and mixtures of the same on a surface active alumina support, said catalyst being maintained at a temperature increasing from about 250-300° C. at the initial point of contact between the vaporized terpene and the catalyst to a temperature of about 600-700° C., a sufficient volume of catalyst being maintained at the latter temperature to produce a contact time of about 2-100 seconds between the catalyst body at said temperature and the vapors passing there-over.

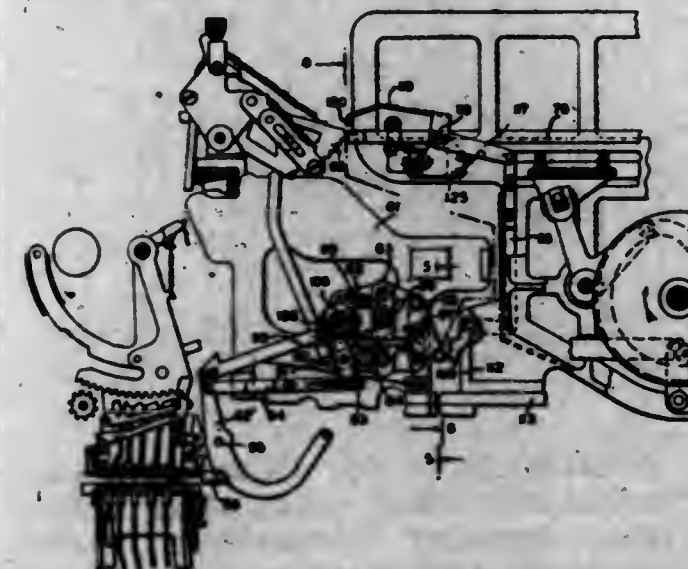
2,387,837

PUNCH

John T. Ferry, Ilion, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application October 21, 1943, Serial No. 507,071

14 Claims. (Cl. 164—114)



1. In a machine of the class described including a direct subtraction tabulator and a

summary card punch, the combination of a direct subtraction unit in the tabulator adapted to be moved from a normal to either an adding or subtracting position, a pair of selector units in the summary card punch, and means controlled by the movement of the direct subtraction unit on the tabulator from one position to another to prevent the selecting action of one or the other of the said selector units dependent upon the movement of the direct subtraction unit of the tabulator.

2,387,838

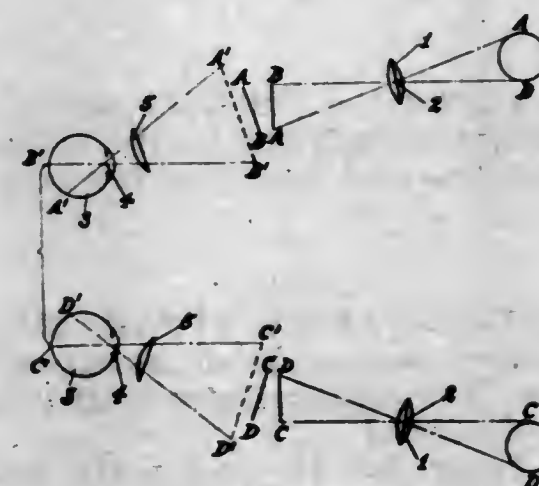
BINOCULAR OBSERVATION INSTRUMENT

James Weir French, Annesland, Glasgow W. 3, Scotland, assignor to Barr and Stroud, Limited, Glasgow, Scotland

Application January 25, 1941, Serial No. 375,999

In Great Britain October 26, 1939

4 Claims. (Cl. 88—33)



1. A binocular observation telescope including a first optical system for one eye of the observer and a second optical system for the other eye of the observer, the objective axes of said systems being directed, by inclination from parallelism thereof, to two differing contiguous object fields of view, each of said systems including an objective lens portion, with said portions arranged with their axes out of parallelism but disposed so that the conical zones of light rays, passing to and from the lens portion of the first optical system, each has one side parallel to a side of the conical zones of light rays passing to and from the lens portion of the second optical system, and said systems each including an eye piece portion, with the axis of each portion out of parallelism but so arranged that the conical zone of light rays passing thru the eye piece of the eye piece portion of said first optical system has one side parallel to a side of the conical zone of light rays passing thru the eye piece of the eye piece portion of said second optical system, said eye piece portions being so related to one another and to the objective portions as to present to the observer two images, one for each eye, combined in contiguous relationship.

2,387,839

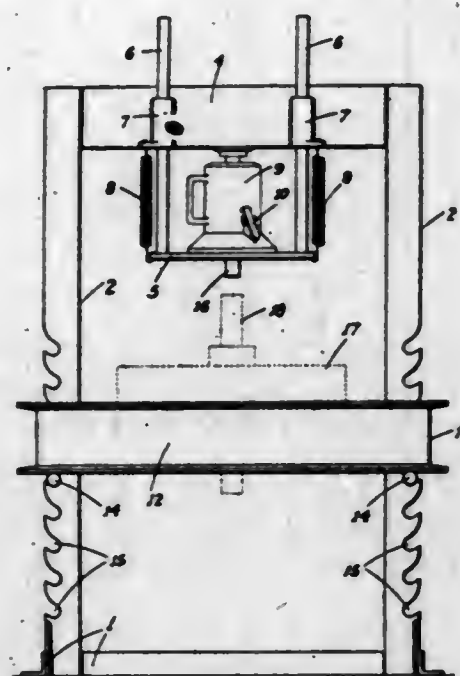
PRESS

Robert P. Frost, Redding, Calif.
Application June 28, 1944, Serial No. 542,578

3 Claims. (Cl. 100—70)

1. A press comprising an upstanding frame including a top beam, a work supporting bed mounted on the frame in spaced relation below the top beam, a work engaging head disposed between the top beam and work supporting bed,

guide rods projecting upwardly from the head, guide sleeves on the top beam through which said

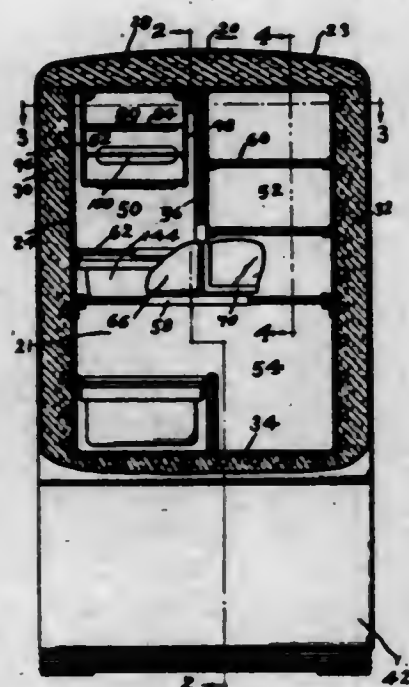


rods slidably extend, a pull-back spring between the top beam and head, and a hand actuated jack engaged between said head and top beam.

2,387,840

REFRIGERATING APPARATUS

Whitney Giffard, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application September 13, 1943, Serial No. 502,136
5 Claims. (Cl. 62-99)



1. Refrigerating apparatus comprising, in combination, an insulated cabinet having its interior divided into two upper compartments and a lower compartment by a vertical partition and a horizontal partition, said horizontal partition being arranged to allow a limited circulation of air between the upper compartments and the lower compartment, refrigerant evaporator disposed in one of said upper compartments to provide a freezing zone therein, and a second refrigerant evaporator arranged in heat exchange relation with the other upper compartment and with said lower compartment to provide a high temperature high humidity zone in said other upper compartment and an intermediate temperature and humidity compartment zone in said lower compartment.

2,387,841
VINYL RESIN COMPOSITIONS
Rudolph M. Goepf, Jr., New Castle, Del., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 27, 1944, Serial No. 556,077
10 Claims. (Cl. 260-36)

1. A lamp changer comprising a pole, a pair selected from the group consisting of polyvinyl chloride, polyvinyl chloride-acetate, and polyvinyl butyral, and as a plasticizer for said resin a hexide diester of the type



wherein

H is the divalent hexide residue ($\text{C}_6\text{H}_4\text{O}_4$)
 R^1 is the acyl radical of a saturated fatty acid with from 2 to 10 carbon atoms
 R^2 is the acyl radical of a saturated fatty acid with from 4 to 10 carbon atoms, and
The sum of the carbon atoms in $\text{R}^1 + \text{R}^2$ is at least 6 and not greater than 18.

2,387,842

HEXIDE DIESTERS

Sol Soltzberg, Wilmington, Del., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 5, 1944, Serial No. 557,387
11 Claims. (Cl. 260-345)

1. Hexide diesters of the type



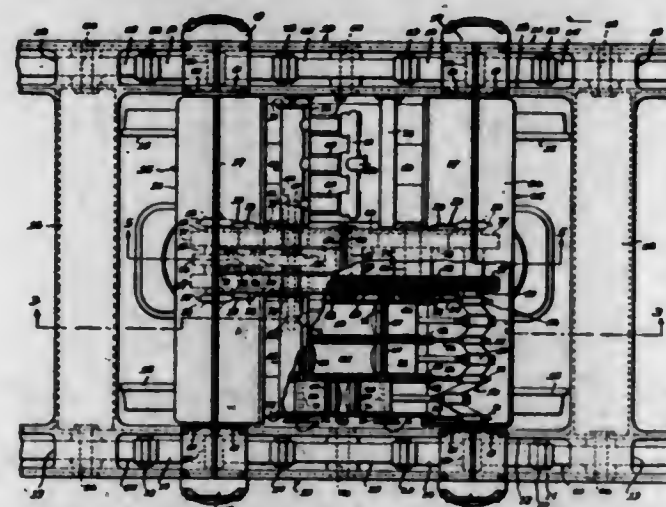
wherein

H is the divalent hexide residue ($\text{C}_6\text{H}_4\text{O}_4$)
 R^1 is the acyl radical of a saturated fatty acid with from 2 to 9 carbon atoms,
 R^2 is the acyl radical of a saturated fatty acid with from 3 to 10 carbon atoms, and
The sum of the carbon atoms in R^1 and R^2 is at least 5 and not greater than 18.

2,387,843

LOCOMOTIVE POWER DRIVE

Edward Gray, deceased, late of Detroit, Mich., by Agnes Gray, administratrix, Grosse Pointe Park, Mich.
Application July 1, 1942, Serial No. 449,234
6 Claims. (Cl. 105-131)



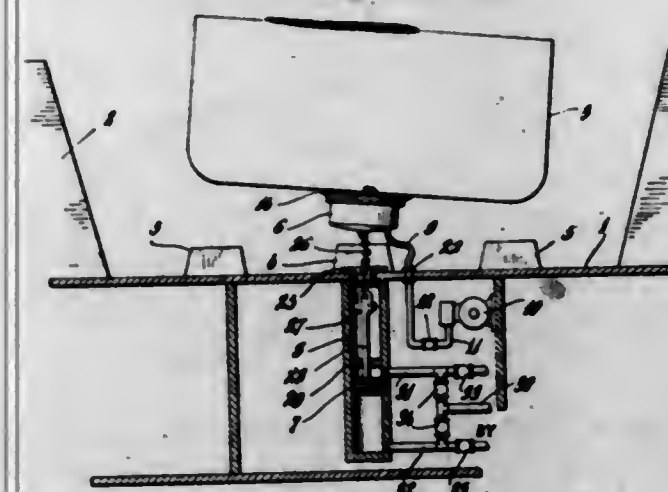
2. In a drive truck for locomotives, a truck frame having side rails, drive axles and wheels for the frame movably journaled in the side rails thereof, a motor supported by the side rails of the frame, said motor having parallel crankshafts arranged to provide a crankshaft disposed above

each axle, gearing connecting the intermediate portion of each crankshaft to its respective axle, and resilient means interposed in the gearing and mounted directly on each axle for absorbing impulse shocks transmitted to the axle and for permitting rocking movement and side sway of said motor and frame without causing damage to the gearing.

2,387,844

SHOCK PREVENTING FLOATING DRY DOCK

Frederic R. Harris, New York, N. Y.
Application July 6, 1943, Serial No. 493,677
15 Claims. (Cl. 114-45)



3. The method of operating a floating dry dock having mooring devices to expose a vessel therein, which consists in submerging the dock, shifting a vessel into the latter, attaching said mooring devices to the vessel's hull, exerting a downward acting tension on said devices to tauten same and depress said hull, and then raising the dock.

2,387,845

ELECTROACOUSTIC TRANSDUCER

William R. Harry, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 24, 1943, Serial No. 492,019
9 Claims. (Cl. 179-1)



2. An electroacoustic transducer comprising a condenser microphone element including a diaphragm and an output and an auxiliary electrode in cooperative relation with said diaphragm, an amplifier having its input connected to said diaphragm and output electrode, and an electrical impedance connected between the output of said amplifier and said auxiliary electrode and constituting with said amplifier and element a stabilized feedback system, said impedance having a transmission characteristic of the same form as the acoustic force-output characteristic of said element.

2,387,846

LAMP CHANGER

Leslie C. Hays, Healdsburg, Calif.
Application December 16, 1944, Serial No. 568,465
9 Claims. (Cl. 294-20)

1. A lamp changer comprising a pole, a pair of opposed lamp engaging jaws disposed beyond the upper end of the pole, means mounting the jaws in connection with the pole for relative ap-

proaching or separating movement, a lamp engaging element disposed beyond the upper end of the pole, means mounting said element in

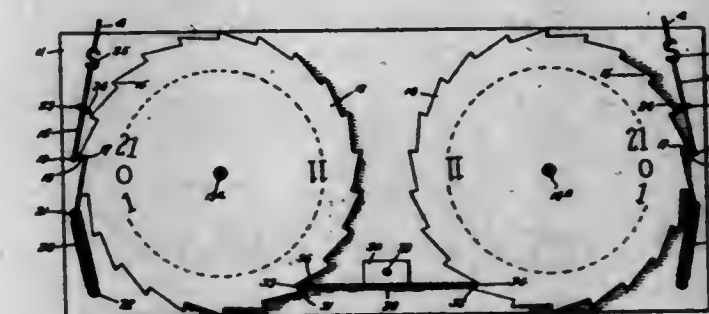


connection with the pole for relative axial movement, and means operative upon such movement of said element toward the pole to cause approaching movement of the jaws.

2,387,847

SCORE INDICATOR

Harry E. Hoffman, Peoria, Ill.
Application February 28, 1944, Serial No. 524,255
1 Claim. (Cl. 235-122)



In a device of the character described, a casing, a pair of rotatably mounted ratchet discs in said casing, said discs being toothed about their entire periphery, a flat spring positioned between said discs, the ends of the springs engaging the teeth of opposite discs, a pawl positioned adjacent each of said discs, said pawls being on opposite sides of their respective discs, and each comprising an elongated member having two substantially right angled bends therein to form a shoulder, the inner side of said shoulder being adapted to engage the teeth of an associated ratchet disc, means secured to one extremity of each of said elongated members to move the same to cause said shoulder to rotate its associated ratchet disc, stop means limiting the forward movement of said pawl to a distance slightly in excess of the length of a tooth, said means comprising a pair of spaced pins secured in said casing on opposite sides of each pawl, the spacing being less than in the extent of said shoulder, resilient means adapted to retract said pawl, and means limiting the distance to which said resilient means may retract said pawl, said last-mentioned means comprising a pin in said casing engageable by the surface of said shoulder opposite the tooth engaging surface thereof.

2,387,848

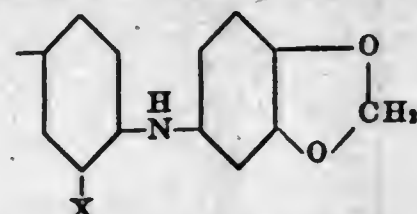
AZO DYESTUFF DERIVATIVES OF 5-AMINO-1,3-BENZODIOXOLE

Hans Z. Lecher, Plainfield, and John P. Goulding, Neshaug Station, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application December 10, 1943, Serial No. 513,738

6 Claims. (Cl. 260-152)

1. New azo dyestuffs of the general formula $A-N=N-B$ in which A is the residue of a coupling component and B is the residue of a diazotized N-para-aminophenyl 5-amino-1,3-benzodioxole represented by the type formula



in which X represents a member selected from the group consisting of hydrogen, halogen, carboxy and sulfonic radicals, acyl radicals of carboxylic acids and sulfonamide radicals.

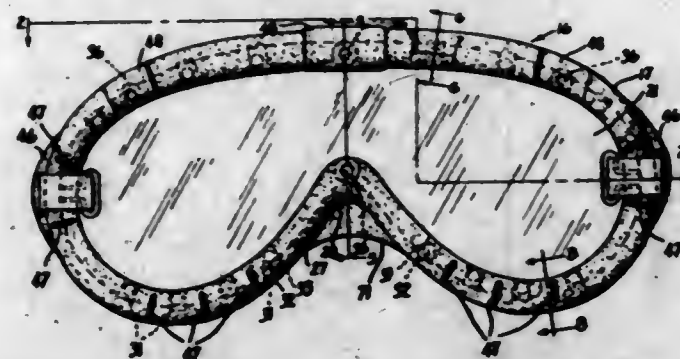
2,387,849

EYE PROTECTION MEANS AND SUPPORTING MEANS THEREOF

William H. Lehmborg, Riverside, Conn., and Charles A. Baratelli, Cambridge, and Walter Lown, Boston, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application August 30, 1943, Serial No. 500,570

6 Claims. (Cl. 2-14)



4. Goggles comprising a single aperture flexible goggles frame, a readily removable flexible lens secured within said frame, fastening straps having thickened terminals, and apertured fastening strap temple wings on said frame, said lens having strap terminal receiving means at its temple ends.

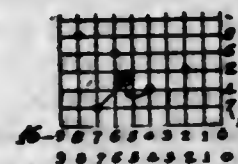
2,387,850

DECODING SYSTEM

Matthew H. Loughridge, Bogota, N. J.; William R. Lockridge, administrator of Matthew H. Loughridge, deceased

Application November 5, 1941, Serial No. 417,969

19 Claims. (Cl. 177-353)



1. A de-coding system comprising a base having a plurality of positions for the characters of the code, means for establishing a code by the location of the code character on said base, a bank of relays, one for each position of the code, means for establishing the circuit of each relay by the code character having the location on the

base corresponding to the relay, a rotary de-coding device controlled by said relays having driving means, and means controlling said rotary device by said relays to stop said device in a position corresponding with the relay that is energized.

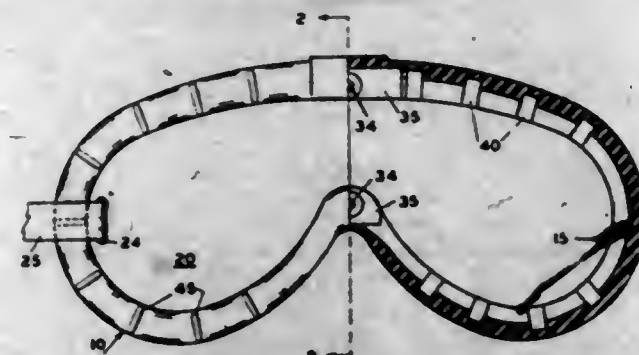
2,387,851

GOGGLES

Walter Lown, Boston, and Charles A. Baratelli, Cambridge, Mass., assignors, by mesne assignments, to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application February 3, 1942, Serial No. 429,395

9 Claims. (Cl. 2-14)



9. Goggles comprising a single aperture goggles frame, said frame comprising a semi-flexible front rim and a softer, face-fitting rear rim molded thereto along its outer edge, a lens receiving channel formed between the front and rear rims along the lens aperture edge, a readily removable flexible lens securable within said lens channel, and lens securing means within said channel.

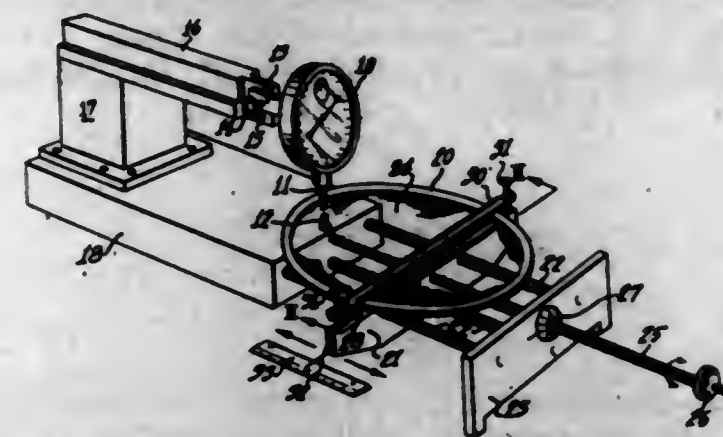
2,387,852

PRECISION MEASURING APPARATUS

Ioury G. Maloff, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 25, 1943, Serial No. 507,538

7 Claims. (Cl. 33-174)



1. A measuring apparatus comprising a device for clamping a lens at one side of its center to provide a line contact as an axis permitting tilting of the lens, a fixed support for said lens at the opposite side of said center, a vertically movable plunger for contacting the face of said lens opposite to said support, a thickness indicating gage operated by said plunger, and means for moving said device to vary the radial relation of said plunger on said lens.

2,387,853

INTERLOCKING CONTROL APPARATUS

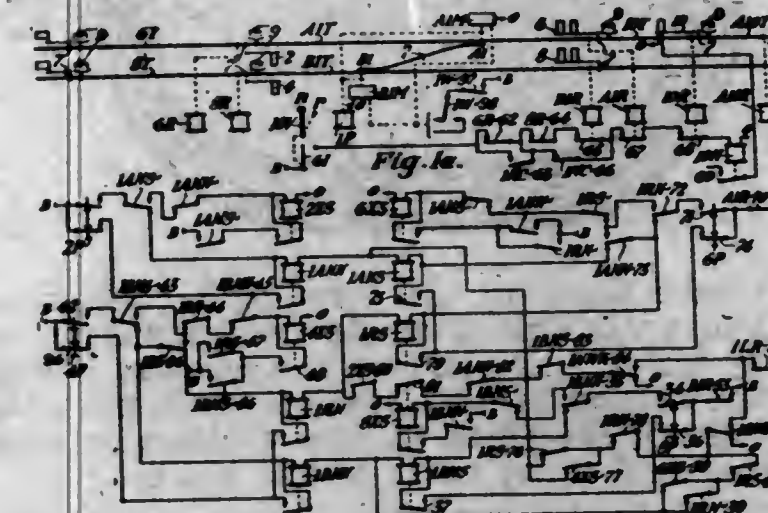
Ronald A. McCann, Swisvale, Pa., assignor to The Union Switch & Signal Company, Swisvale, Pa., a corporation of Pennsylvania

Application June 3, 1944, Serial No. 539,234

6 Claims. (Cl. 246-134)

1. In interlocking control apparatus for a first route extending from a given home signal along a given railway track over a given switch in the

normal position and for a second route extending from said home signal over said switch in the reverse position, including a switch section in which said switch is located and a first and a second extended locking section in said first and said second route respectively beyond said switch section, including an approach signal for said home signal controlled over said first or said second extended locking section if said switch is in the normal or the reverse position respectively, the combination comprising, a first locking relay for said switch, a circuit for energizing said first



locking relay if said switch section is unoccupied and said home signal indicates stop, a second locking relay for said switch, means controlled by a front contact of said first locking relay for energizing said second locking relay if said first extended locking section is unoccupied or said switch is in the normal position and if said second extended locking section is unoccupied or said switch is in the reverse position, and manually controllable means effective if said first locking relay is energized for preparing a circuit for effecting operation of said switch as soon as said second locking relay becomes energized.

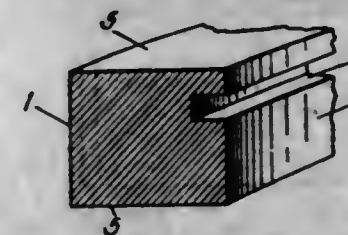
2,387,854

PISTON RING

Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan

Application January 8, 1943, Serial No. 471,645

5 Claims. (Cl. 309-44)



1. A split expansible resilient piston ring of uniform axial thickness and of uniform radial width, the opposite sides of said ring constituting wearing surfaces for said ring, said ring having a continuous kerf or slot cut in the inner periphery thereof above its axial center but in substantially spaced relation to its upper side, and in axial alignment with the inner portion of the wearing surface of said upper side, whereby the ring assumes and retains a permanent upward cant when compressed in a piston ring groove.

2,387,855

PISTON RING

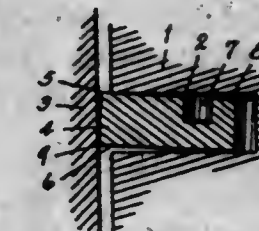
Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan

Application March 16, 1944, Serial No. 526,716

5 Claims. (Cl. 309-44)

1. A cast iron split expansible resilient piston ring having parallel sides and outer and inner

peripheral surfaces of the full axial width of the ring, there being a channel-like groove in the upper face of the ring disposed substantially entirely within the inner half of the radial width of the ring and adjacent to but substantially



spaced from the inner peripheral edge of the ring whereby the ring assumes and retains a permanent upward cant when compressed in a piston ring groove and whereby a side wearing surface of substantial width is provided between the groove and the inner edge of the ring.

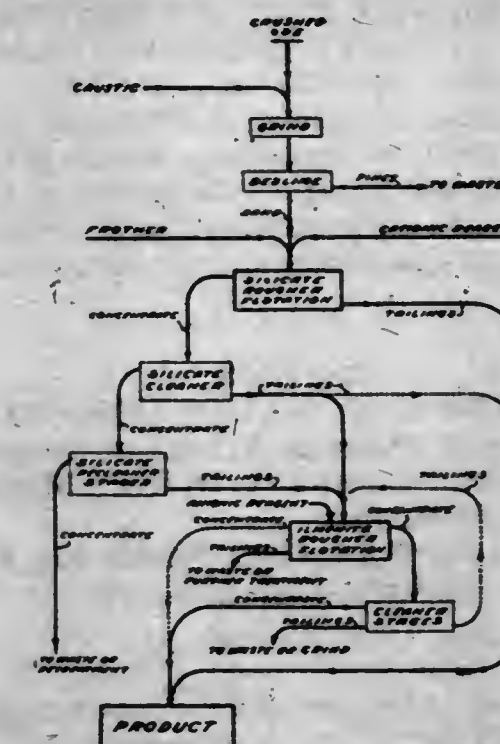
2,387,856

RECOVERY OF ILMENITE BY A TWO-STAGE FLOTATION PROCESS

Roy Alderson Pickens, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application May 26, 1942, Serial No. 444,500

3 Claims. (Cl. 209-166)



1. A process of beneficiating low grade ilmenite ores to produce a beneficiated ore adapted to ready filtration and drying and assaying at least 50% TiO_2 which comprises subjecting the ore to a rougher silicate flotation in the presence of an amount of a cationic-type collector effective to concentrate a major portion of the silicates but insufficient to effect a maximum separation, whereby a concentrate rich in silicates and a tail rich in ilmenite are obtained, subjecting the rougher silicate concentrate to at least one silica cleaner flotation and subjecting at least a part of the silica cleaner tailing to a rougher ilmenite flotation in the presence of an anionic collector selected from the group consisting of the higher fatty acids, talloel and soaps thereof.

2,387,857

LAMP, LAMP SHADE, AND LAMP SHADE HOLDER

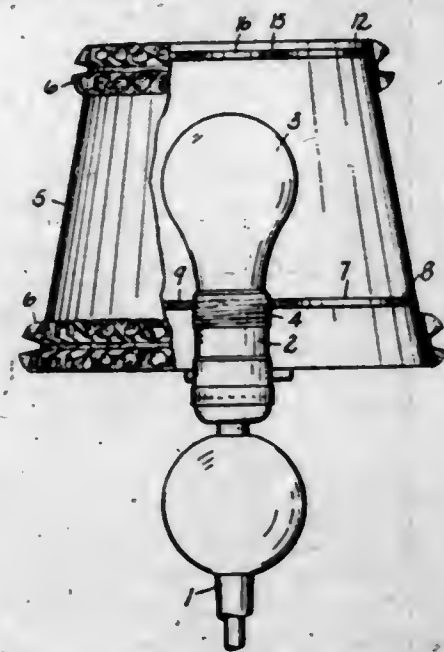
David J. Ross, Benton Harbor, Mich.

Application May 17, 1943, Serial No. 487,203

2 Claims. (Cl. 240-108)

1. In a lamp, the combination with a lamp standard provided with an externally threaded

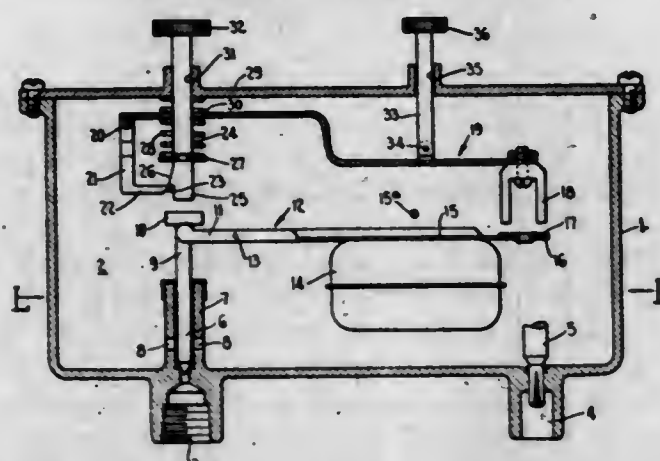
lamp socket, of a lamp shade holder formed of a disk of fire resistant fibrous material of substantial thickness and comprising an annular rim portion, a central hub portion having an opening therein, and a spider portion, said opening being adapted to receive said socket and to be rotatably engaged with the threads thereof, and a shade sleeved over said holder, said shade being provided with an annular reinforcing member of fire



resistant fibrous material fitted within and adhesively secured thereto adjacent its upper end, said shade being separate from said disk and of frustum shape to permit a plurality of shades being packed in nested relation separate from the disks for shipping and to permit a shade to wedgingly engage a disk when the lamp is assembled, said shade being of the greatest diameter at the lower end thereof, said disk supportingly engaging the shade adjacent the lower larger end thereof.

2,387,858

LIQUID LEVEL CONTROLLING MEANS
Philip S. Russel, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application April 19, 1943, Serial No. 483,593
6 Claims. (Cl. 137-68)

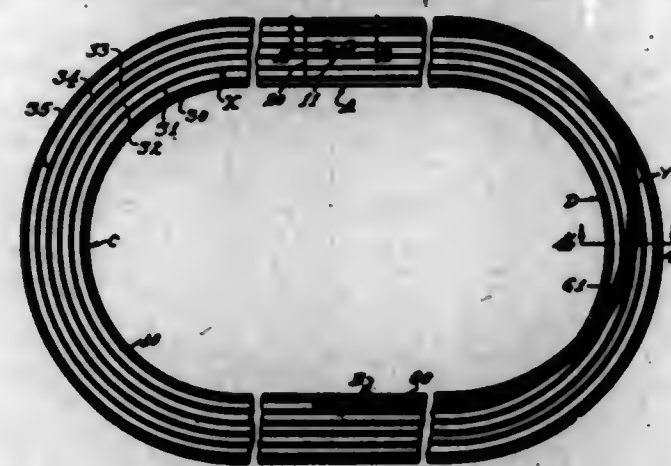


1. A liquid level controlling device comprising a casing having a chamber for liquid with an inlet and an outlet, a valve controlling said inlet, a float responsive to liquid level in said chamber and operable upon the occurrence of a predetermined level to close said valve, safety means operable to move said valve to closed position, means controlling actuation of said safety means, cooperable magnet and armature members, one of said members being movable with said float, the other of said members being carried by said controlling means, and means for overtravel of said float upon failure of said valve to close said inlet, said one of said members being movable into attractive relation to the other of said members upon overtravel of said float thereby to operate said controlling means.

2,387,859

RACE TRACK

Vernon J. Schmidt, Long Beach, Calif.
Application October 28, 1944, Serial No. 560,773
12 Claims. (Cl. 46-201)

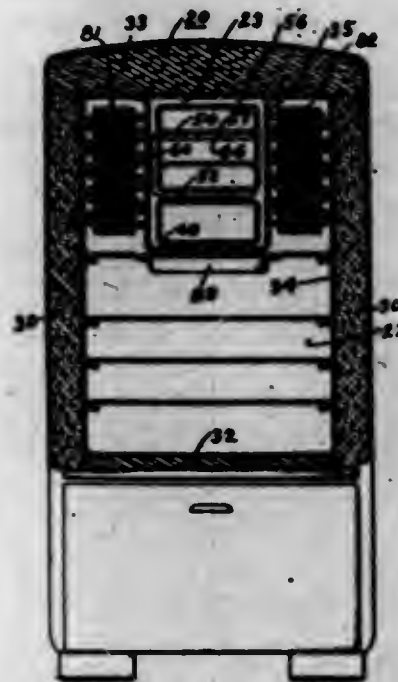


1. A race track in the form of a continuous loop and including a single continuous spiral raceway for guiding vehicles, the raceway having an offset section at an elevation offset from the remainder of the track to pass vehicles between the inner and outer parts of the track.

2,387,860

REFRIGERATING APPARATUS

Hugh J. Scullen, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application September 13, 1943, Serial No. 502,107
1 Claim. (Cl. 62-125)

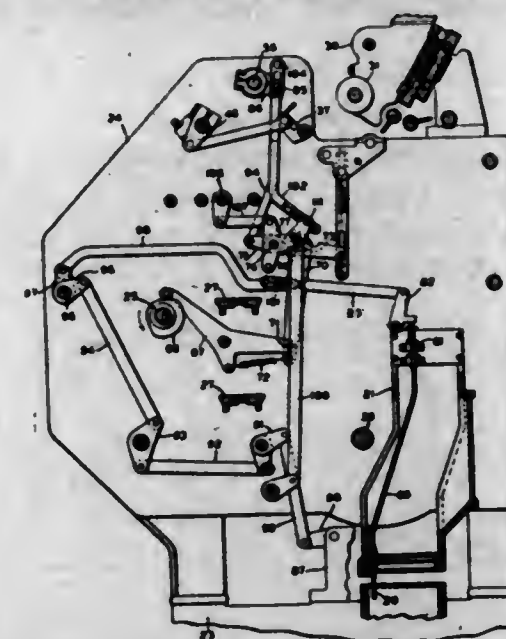


Refrigerating apparatus comprising a cabinet having inner and outer casings, insulation between said casings, said inner casing forming a food storage compartment, a partitioning casing positioned in said inner casing to form a freezing zone, a refrigerant evaporating element positioned within the confines of said partitioning casing and including an accumulator of cylindrical formation positioned outside of said partitioning casing and at the rear thereof and in a pocket formed in said insulation, and a secondary refrigerating system including a removable clamping member surrounding said accumulator, a secondary condenser in contact with said clamping member and two sections of refrigerant evaporating elements one of which is positioned in the food storage compartment between one side of the inner casing and said partitioning casing and the other section is positioned in said food storage compartment between the opposite side of said inner casing and said partitioning casing.

2,387,861

ACCOUNTING MACHINE

George P. Smith, Snyder, and Floyd C. Gressel, Iliou, N. Y., assignors to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application December 30, 1943, Serial No. 516,226
5 Claims. (Cl. 101-93)

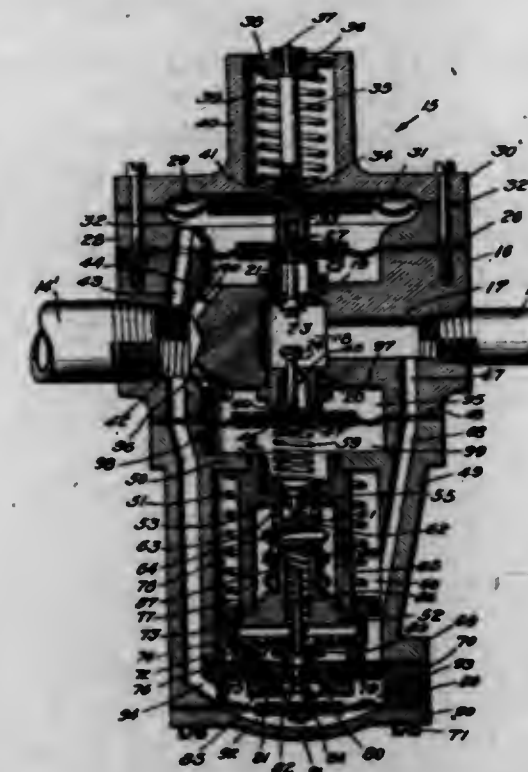


1. In the printing mechanism of an accounting or like machine comprising a series of denominational type bars and impact trains one for each type bar, the combination of connectors between the successive impact trains each settable to two positions in one of which it transmits the action of one impact train to the next train of lower order and in the other one of which it also transmits such action to the next train of higher order.

2,387,862

METHOD FOR PRODUCING FUEL CARBURETION

Harold W. Smith and Donald D. Paxton, Los Angeles, Calif.
Application June 16, 1944, Serial No. 540,614
4 Claims. (Cl. 123-119)



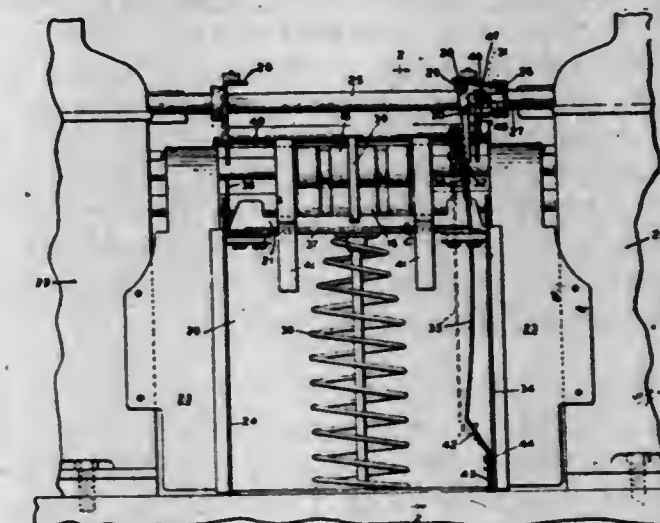
1. A method of fuel control for carburetion in combination with an internal combustion engine, which fuel is characterized as being gaseous at normal temperatures and liquid at subnormal temperatures, said method consisting in delivering said fuel under pressure to a control structure and withdrawing fuel therefrom under engine suction, establishing a path of fluid flow from the induction to the eduction sides of said control structure, interposing a control valve in said path of travel normally held open, establishing a fluid

flow from the induction to the eduction sides of said control structure, interposing an entrapped quantity of the fluid at a point in said last named path of travel and associating said quantity of entrapped fluid with said valve, whereby as the temperature of entrapped fluid is reduced by the flowing fluid the valve will be moved toward a closed position.

2,387,863

TABULATOR

Albert F. Turner, Herkimer, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application May 25, 1943, Serial No. 488,404
21 Claims. (Cl. 271-89)

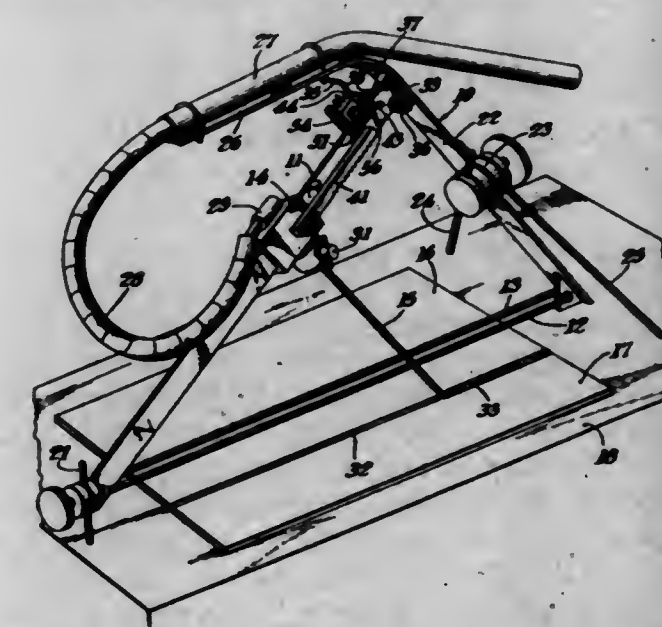


1. A card stacking device comprising a holder including a card supporting table beyond an edge of which cards extend, a card engaging member, means for moving an end of said member side-wise for causing said member to flex and strike the projecting edges of the cards a sharp, tapping blow for reducing static electricity accumulated in said cards, and abutting means against which the cards are pushed by the member to vertically align the edges of said cards.

2,387,864

STARTING DEVICE FOR GRAVITY ARC WELDERS

Joseph M. Tyrner, New York, N. Y., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application December 4, 1944, Serial No. 566,416
5 Claims. (Cl. 219-8)



1. In a gravity-feed arc-welding apparatus, a frame including a slide part, means for supporting the frame on edge with the slide part inclined to the workpiece, an electrode holder slidable down the slide part, an electrode secured to the holder and extending into engagement

with the workpiece to rest upon the same, and an arc starting device including manually operable means extending between the frame and the holder and adapted to lift the holder and electrode on the slide part whereby to draw an arc from the workpiece.

2,387,865

FIRE-RETARDING COATING

Arthur Van Kleeck, Madison, Wis.
No Drawing. Application July 21, 1943
Serial No. 495,572

1 Claim. (Cl. 106—15)

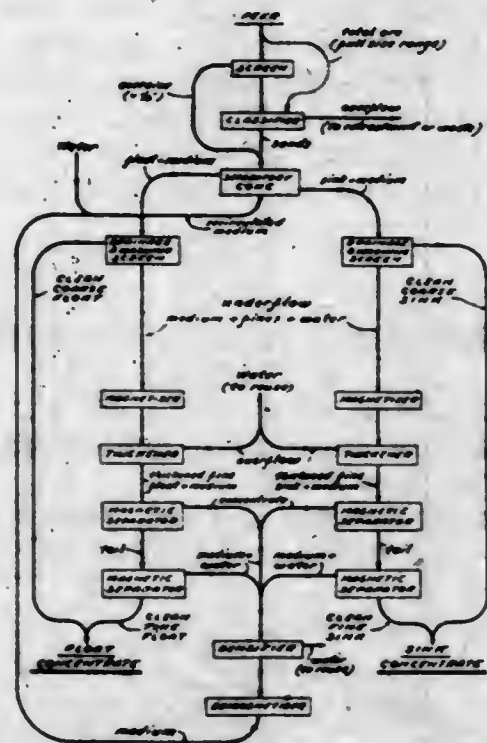
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A fire-retarding composition comprising an aqueous solution of an alkali alginate of about 2 percent by weight concentration having finely divided borax and boric acid incorporated therein in the proportion of about 40 parts of the gel, 30 parts of the borax and 30 parts of the boric acid, said composition being such that one application of the composition on a wood surface upon drying will yield a coating weighing at least 10 grams per square foot and having at least 90 percent of active fire-retarding chemicals.

2,387,866

HEAVY MEDIA SEPARATION PROCESS

Godfrey B. Walker, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application September 22, 1943, Serial No. 503,333
6 Claims. (Cl. 209—173)



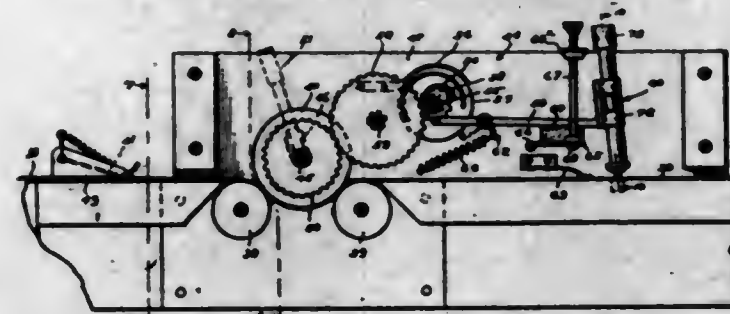
1. In a continuous process of separating non-magnetic particles of different specific gravities from mixtures thereof, at least one of the constituents being present in full size range; the combination of steps which comprises; immersing the entire mixture, including the minus 10, plus 65-100 mesh particles, in a body of heavy-density fluid, said fluid having suspended therein a sufficient amount of finely-divided, magnetically-susceptible material to produce an apparent fluid density between the specific gravities of the material to be separated; collecting the light fraction which floats and the heavy fraction which sinks; separately subjecting both the light and heavy fractions to an operation which combines the steps of subjecting said fractions to at least one magnetic separation, whereby any magnetizable material becomes magnetized and substantially

all of the magnetically-susceptible material in each fraction is separated therefrom; collecting and demagnetizing said separated magnetized material becomes magnetized and substantially to the main body of heavy-density fluid and separately collecting the residues after removal of said magnetically-susceptible material from the fractions as clean light and clean heavy product fractions.

2,387,867

TAPE MEASURING AND MARKING MACHINE

Dock Adams, Whitesburg, Ky.
Application March 9, 1943, Serial No. 478,563
3 Claims. (Cl. 33—129)

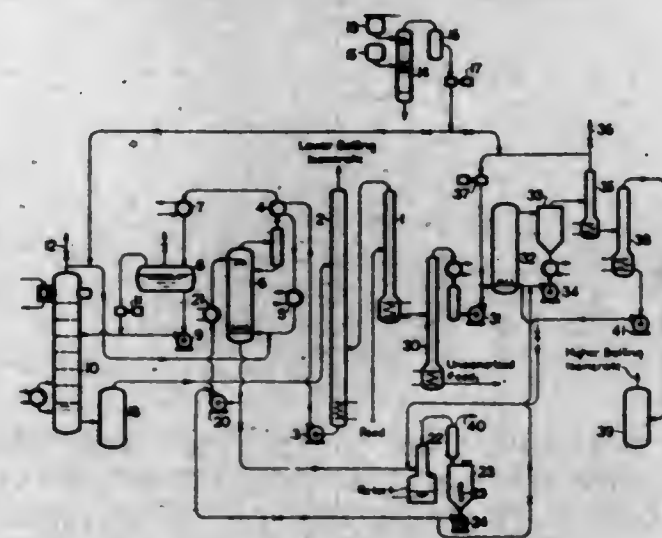


2. In a tape measuring and marking machine, a base frame, a pay-off roll, and a take-on roll mounted on said frame in spaced-apart relation to provide a horizontal traveling run of tape therebetween, a marking device adapted to overlie said run, means to operate said device by travel of said run including a pressure roll adapted for overlying engagement with said run, gearing driven by said roll, means to mount said device, roll and gearing above said run for swinging movement into and from overlying relation to said run, and a pair of horizontally spaced rollers on said base frame for supporting said run and between which and said pressure roll the run is frictionally gripped when the pressure roll is swung into such overlying relation.

2,387,868

PROCESS FOR THE ISOMERIZATION OF HYDROCARBONS

John Anderson, Berkeley, Sumner H. McAllister, Lafayette, and William E. Ross, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application December 23, 1940, Serial No. 371,306
15 Claims. (Cl. 260—683.5)



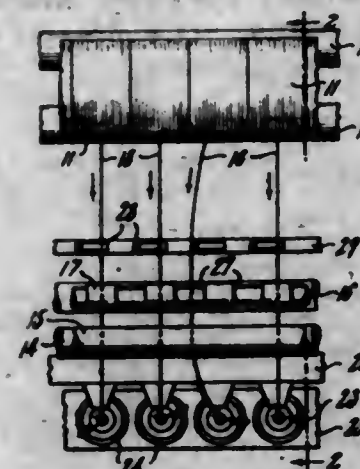
15. A process for isomerizing hydrocarbons which comprises treating a hydrocarbon fraction consisting essentially of saturated hydrocarbons having from 4 to 9 carbon atoms in the substantial absence of olefins under isomerization conditions at a temperature below about 200° C. at

which the catalyst is in a molten state with an isomerization catalyst consisting of a molten mixture comprising an aluminum halide, a hydrogen halide and a halide of another metal which does not react with the aluminum halide under the isomerization conditions, the latter metal halide being in molecular excess with respect to the aluminum halide.

2,387,869

TENSION CONTROL MECHANISM

Conard J. Arrington, Winnsboro, S. C., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application November 22, 1944, Serial No. 564,657
4 Claims. (Cl. 57—90)



1. Tension control mechanism comprising in combination, a source of strand supply, a pair of front rolls having a strand feeding nip, a pair of back rolls having a strand feeding nip and an adjacent clearance space between the roll surfaces, means for driving the front rolls slightly faster than the back rolls, and a fixed guide constructed and arranged to direct a taut strand to the nip of the back rolls to be advanced thereby and a sagging slack strand to the clearance space between these rolls so that it will be advanced by the faster front rolls.

2,387,870

ACTUATING MECHANISM FOR REGISTERS

Harold T. Avery, Oakland, Calif., assignor to Marchant Calculating Machine Company, a corporation of California
Application August 2, 1940, Serial No. 349,940
3 Claims. (Cl. 235—79)



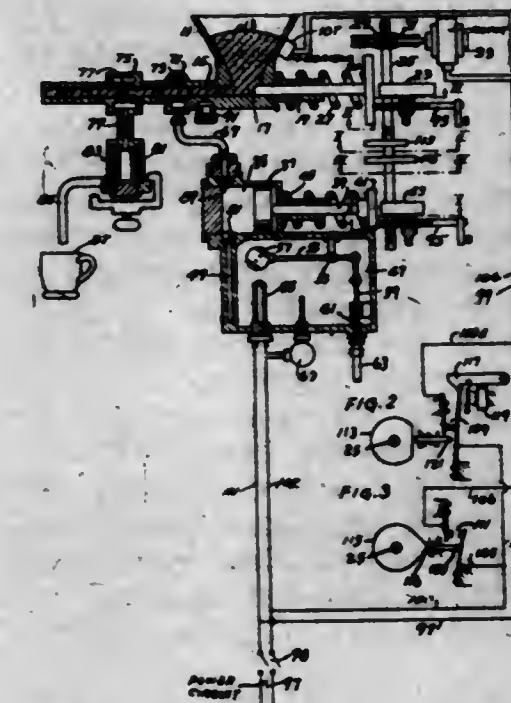
1. In a register, a unidirectional accumulating member movable into a plurality of positions representative of different digital values, a cyclically operable driving member, a clutch operable to selectively connect said accumulator member to said driving member for movement therewith, a clutch control member movable to

engaging and disengaging positions; respectively, means for moving said control member into engaging and disengaging positions to selectively move said accumulating member, including clutch engaging means for initially moving said control member to engaging position, yieldable means for retaining said member in such position after movement thereto by said clutch engaging means, and clutch disengaging means operative to render said yieldable retaining means ineffective and to return said control member to disengaging position to thereby disengage said clutch after movement of the accumulating member through a selected number of its said positions, said clutch disengaging means including a first means selectively settable according to different digital values, and a second means cooperating with and movable with respect to said first means and driven in timed relation with said driving member, and means for reversing the direction of movement of said second means relative to said first means for selectively effecting movement of said accumulator member proportional either to the digital value set in said first means or the nine's complement thereof.

2,387,871

AUTOMATIC COFFEE BREWER OR MAKER

Roger C. Baumann, West Memphis, Ark.
Application September 13, 1943, Serial No. 502,117
6 Claims. (Cl. 99—289)



1. A device for steeping a granular material, as coffee, which includes a horizontally disposed elongated barrel open at both ends, a storage hopper above said barrel intermediate its length and opening into said barrel, a plunger reciprocally mounted in one end of said barrel immediately adjacent said hopper opening, a fluid injection chamber around and in communication with said barrel, spaced along said barrel from said hopper opening, oppositely to said plunger, a fluid discharge chamber around and in communication with said barrel spaced along said barrel from said injection chamber, said barrel having substantial extension beyond said latter chamber, resilient means holding said plunger in retracted position to uncover at least a major portion of said hopper opening, means for actuating said plunger, to shift material discharged from said hopper into alignment with said injection chamber and displace preceding charges, and means for delivering measured charges of liquid, as water, through said injection chamber, said barrel and said discharge chamber to discharge.

2,387,872

TREATMENT OF BEARING SURFACES WITH LUBRICANTS

Maurice E. Bell, Cambridge, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application April 14, 1942,

Serial No. 438,925

4 Claims. (Cl. 117-65)

1. The method of applying to bearing surfaces a compound selected from the group consisting of the sulphides, selenides and tellurides of tungsten, molybdenum and titanium, the compounds having a plate-like physical structure consisting of a layer of metallic atoms between two layers of the non-metal atoms, to render the compounds useful for reducing friction in bearing members, comprising, applying the compound to a bearing surface, subjecting the applied compound to light impacts against the bearing surface for prolonged periods until an adherent coating of the compound is produced on the bearing surface, and subjecting the coated bearing surface to a heat treatment at temperatures between above 200° C. and below the decomposition temperature of the metallic compound in an evacuated chamber.

2,387,873

SECONDARY DIAMINES

William Robert Boon and Arthur Reginald Lowe, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application November 24, 1943, Serial No. 511,620. In Great Britain December 2, 1942

1 Claim. (Cl. 260-583)

Process for the manufacture of N,N'-dimethylhexamethylenediamine which comprises heating approximately 146 parts of N,N'-dibenzalhexamethylenediamine with approximately 195 parts of methyl p-toluenesulfonate to approximately 94° C., cooling the reaction mixture after the vigorous exothermic reaction has subsided, adding approximately 100 parts of water to the reaction mixture, removing benzaldehyde by steam distillation, adding approximately 90 parts of solid caustic soda and removing the so-formed N,N'-dimethylhexamethylenediamine by extraction with benzene and distillation.

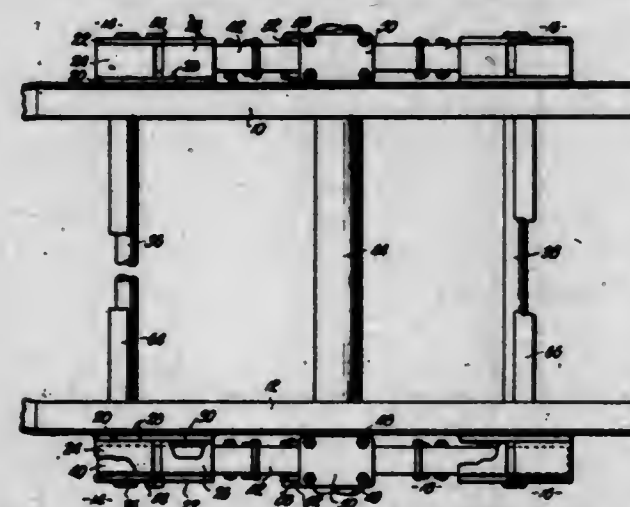
2,387,874

LOAD BEARING SPRING ASSEMBLY FOR TRUCKS OR THE LIKE

Ralph A. Bradley, Minneapolis, Minn., assignor to Bradley Equipment Company, St. Paul, Minn., a corporation of Minnesota

Application April 15, 1943, Serial No. 483,151

7 Claims. (Cl. 267-36)



1. In a spring assembly for a vehicle having a pair of spaced frame members and an axle, a front pair and a rear pair of spring brackets

fixed to said frame members, each of said brackets comprising two spaced apart plates; front and rear tie members for respectively connecting the front and rear pairs of brackets; a filler plate for each pair of brackets having its ends secured to the brackets, one of its longitudinal edges secured to the respective tie-member and its other longitudinal edge secured to the frame members; and spring units mounted on the axle and having their opposite ends in engagement with the front and rear brackets; said tie members extending through the respective brackets to bridge the space between said plates thereof.

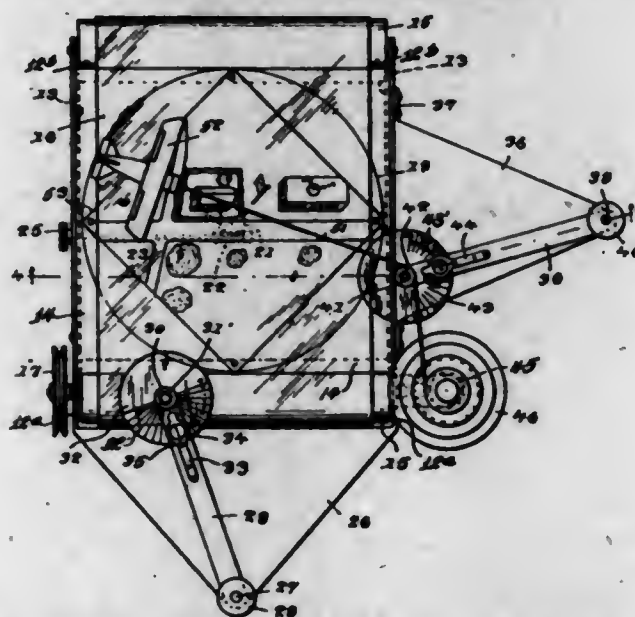
2,387,875

NAVIGATION TRAINER

Mark Brann, Arcadia, Fla.

Application January 17, 1944, Serial No. 518,600

3 Claims. (Cl. 35-11)



1. A training device for simulating navigational conditions and their effect on a moving object, comprising a turntable device mounted for manual rotational adjustment to alter the visual disposition of indicia placed thereon, an endless transparent belt movable above said turntable, and through which the indicia may be seen, a pair of pivotally movable arms related to the belt and turntable and each carrying a protractor and an idler pulley mounted on the pivots thereof, an object movably supported on the belt, and a cord attached to the object and passing one or the other of the idlers of the respective arms, and power means operatively connected with the cord and belt for actuating the same.

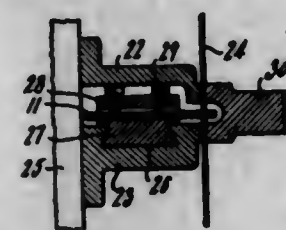
2,387,876

CUTTING DEVICE

Oscar L. Bright, Indianapolis, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application August 25, 1943, Serial No. 499,893

2 Claims. (Cl. 164-58)



2. A two end cutting device for slitting fabrics, comprising a slidably mounted block having clamping means for supporting a cutter holder with either of its ends in the fabric cutting position, a bar-like cutter holder formed of two relatively long clamping plates having a blade receiving slot therebetween adjacent each end of the holder, cutting blades adapted to be clamped in said slot near the opposite ends of the holder,

and said plates having a transversely extending slot spaced from each end of the holder and extending inwardly from a side of the holder to expose a small portion of the cutting edge of the blade, whereby when the portion of a cutting edge thus exposed becomes dull the blade may be shifted in its slot or the holder may be turned end for end to place a sharp cutting edge in the fabric cutting position.

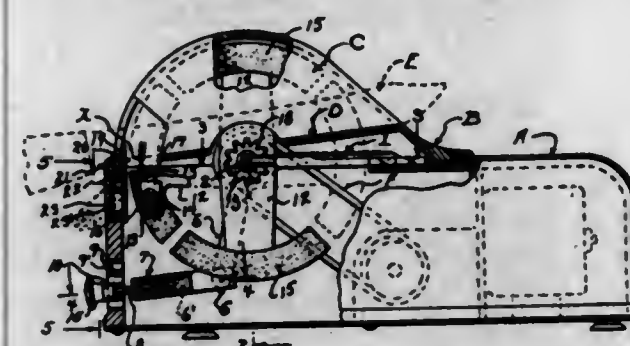
2,387,877

SHARPENING DEVICE

Fred E. Broberg, Racine, Wis.

Application October 30, 1944, Serial No. 561,051

2 Claims. (Cl. 51-116)



1. A blade sharpener, comprising a companion pair of spaced angularly disposed fixed shafts having their inner axis lines intersecting, rotary spiders mounted upon the shafts, abrasive shoes carried by the spiders, a fixed pin in pivotal union with the inner ends of the shafts and intermeshed gear wheels carried by the spiders, independent driving means connecting the aforesaid spiders, and means for manually adjusting the outer ends of the shafts, whereby the angularity of same is varied.

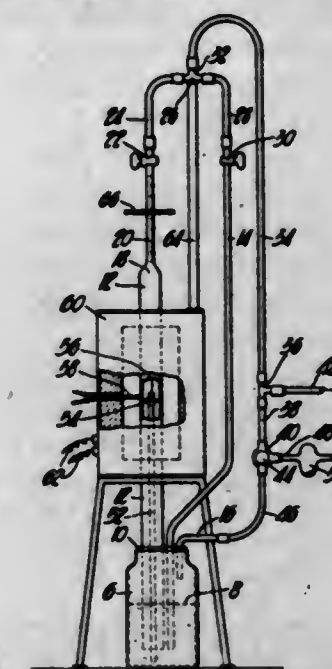
2,387,878

APPARATUS FOR DETERMINING HYDROGEN IN STEEL

William D. Brown, Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey

Application November 17, 1944, Serial No. 563,942

5 Claims. (Cl. 73-15)



3. Testing apparatus for determining hydrogen in steel, which comprises the combination with a heating furnace for heating a sample of steel being tested, of a mercury reservoir, interconnected measuring tubes immersed in the mercury reservoir, one of the said tubes being adapted to receive a sample being tested and to measure gas evolved therefrom during the testing, means enabling air to be evacuated from the measuring tubes, and means for maintaining a Torricellian vacuum in the said tubes.

579 O. G.-51

2,387,879

PIPERIDINOL ESTERS AS ANTISPASMODIC AGENTS

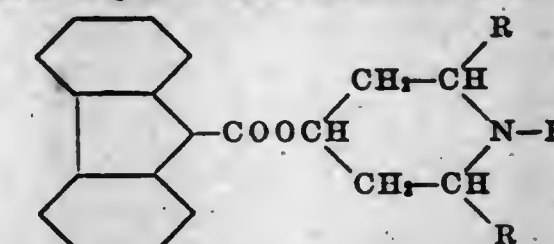
Robert R. Burtner, Niles Center, Ill., assignor to G. D. Searle & Co., Chicago, Ill., a corporation of Illinois

No Drawing. Application April 20, 1940,

Serial No. 330,773

5 Claims. (Cl. 260-294)

1. New compounds prepared for use as antispasmodics consisting of the basic esters of fluorene-9-carboxylic acid of the formula



wherein R is one of the group consisting of hydrogen, methyl and ethyl, and R' is one of the group consisting of hydrogen, alkyl groups containing not more than four carbon atoms, benzyl, and β-phenylethyl.

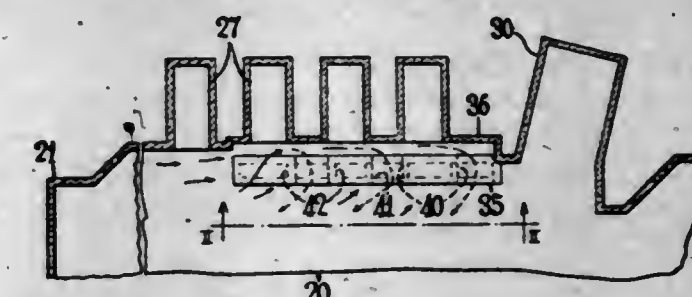
2,387,880

CONSTRUCTION FOR GLASS MELTING TANKS

George D. Campbell, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application June 5, 1942, Serial No. 445,898

8 Claims. (Cl. 49-54)



1. In a glass melting tank composed of rigid superstructure and including a molten glass containing basin constructed to maintain molten glass at a predetermined level therein, said basin including side walls extending from a charging end to a discharging end of the tank, refractory structure running substantially longitudinally of the tank adjacent one side wall thereof in inwardly spaced relation to the latter and being supported by said superstructure entirely below the glass level to accommodate circulation of molten glass over the top of said refractory structure, said refractory structure having a lower open portion extending transversely thereof to receive molten glass flowing downwardly from the glass surface and to control circulation of the glass downwardly between the side wall and the refractory structure and through said open portion toward the central portion of the tank.

2,387,881

FILM EXPOSING APPARATUS

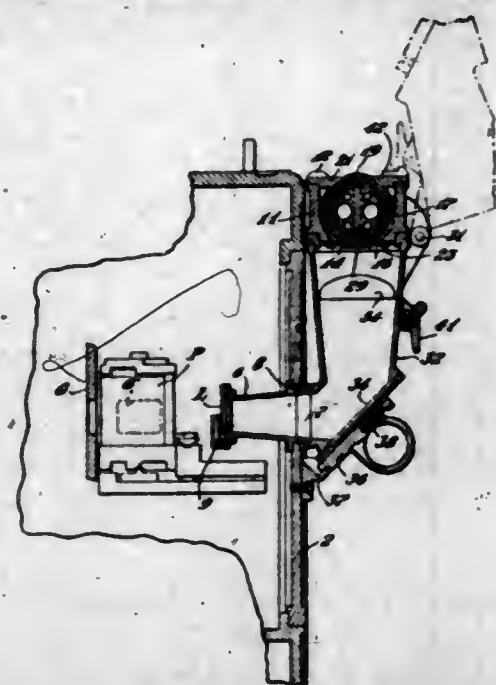
Adolphe E. Carlson, Glendale, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine

Application October 31, 1942, Serial No. 464,017

2 Claims. (Cl. 88-16)

1. Cinematographic apparatus for exposing film comprising two film gates, means for simultaneously focusing in the two gates primary images of the same scene which are geometrically similar, said means including a primary lens system and a partially transmitting reflector for

transmitting and reflecting portions of the light from said lens system to the film gates respectively, a record holder, means for focusing in one of said film gates an image of a record in said holder, said last focusing means including a secondary lens system intermediate said reflector and holder, the axes of said lens systems intersecting the reflector from opposite sides, a light-tight housing surrounding said holder and gates and lamps on opposite sides of the axis of the secondary lens system for illuminating a record



in said holder, said housing including a hinged door to permit access to the film gates and said secondary lens system being mounted on the door and aligned with an opening therein, said record holder being disposed at one side of the door with a section of said housing interposed in the path of the door between the record holder and secondary lens system, said section enclosing the light path between the lens system and the record holder and being mounted for movement out of said path.

2,387,882

PROCESS AND APPARATUS FOR ROASTING AND REDUCING IRON OXIDE AND OTHER OXIDE ORES

Walter Gordon Clark, Los Angeles, Calif., assignor to Clarkiron, Inc., a corporation of Nevada
Application June 29, 1943, Serial No. 492,732
6 Claims. (Cl. 266-24)



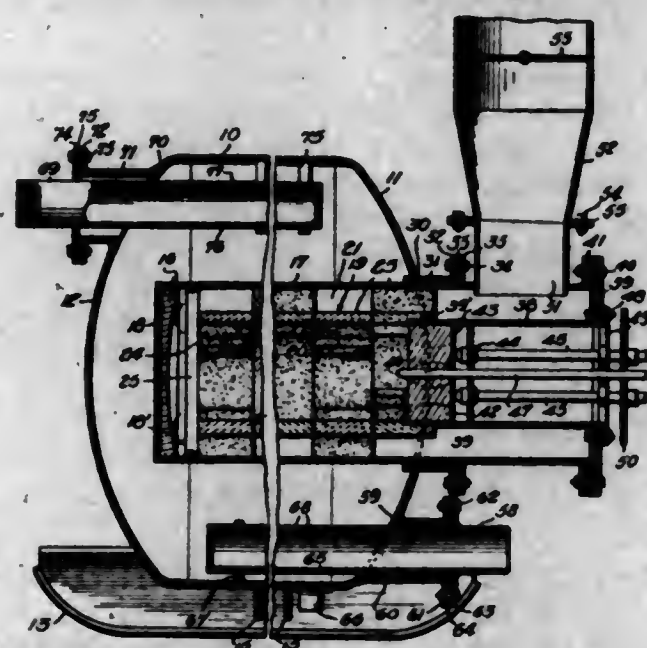
1. In the combination of an ore roasting and reducing furnace, means to supply ore to said roasting and reducing furnace, a combustion chamber wherein hydrocarbon gas and air are burned to form a roasting gas, a chamber surrounding said combustion chamber wherein

natural gas is broken into hydrogen and carbon to form a reducing gas by the heat of combustion in said combustion chamber and the heat of the reduced ore, a roaster into which the roasting gas from said combustion chamber is further burned with air, a series of fixed downwardly sloping cones in said roaster, a series of vertically movable upwardly sloping cones concentric with said downwardly sloping cones, the movement of said upwardly sloping cones permitting ore admitted to the top of said cones to move downwardly over said cones until discharged down into a reduction chamber into which the reducing gas is admitted and where said ore is reduced by said reducing gas, and ports over each cone for passing said roasting gas.

2,387,883

HEATING APPARATUS

George E. Dake, Parkersburg, W. Va., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va., a corporation of West Virginia
Application July 27, 1943, Serial No. 496,357
7 Claims. (Cl. 122-136)



4. A heating apparatus comprising a casing, means for introducing to and discharging from said casing a fluid to be heat-treated therein, a tubular extension communicating with the interior of said casing, said tubular extension having permanent leakproof connection with one wall of said casing and having its other end projecting outwardly therefrom, and a fire tube heating unit inserted into said casing through said tubular extension, said heating unit and the last named end of said tubular extension having cooperating annular flanges detachably secured in leakproof relation to each other, said heating means having an axial passage and an annular passage communicating with each other adjacent the end of said heating unit in said casing, and burner means mounted to project a flame into the other end of said axial passage.

2,387,884

PROCESS FOR HYDROLYZING FATS

Robert C. Daniels, Cincinnati, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application July 20, 1942, Serial No. 451,657
6 Claims. (Cl. 260-415)

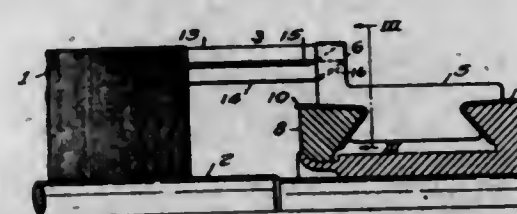
1. In a process for hydrolyzing fats by causing preheated fat and preheated water to pass in countercurrent flow in intimate contact with each other at high temperature and pressure, the steps preceding the contacting of said preheated materials of mixing a liquid, the essen-

tial ingredient of which is chosen from the group consisting of water and "sweet water," with the fat to be hydrolyzed and preheating this mixture to approximately the desired temperature for hydrolyzing under conditions such as to preclude the splitting off of a significant amount of glycerine from said fat, accomplishing this preheating within about 30 to 60 seconds, thus producing a preheated solution of water in the fat, and then immediately introducing the fat into the countercurrent hydrolysis reaction zone and therein conducting said countercurrent hydrolysis, the amount of said liquid so mixed and of water so dissolved in the fat being sufficient to materially reduce the extent of the temperature drop that occurs when said preheated fat enters said reaction zone due to heat absorbed in dissolving water in fat.

2,387,885

ARMATURE CONSTRUCTION FOR DYNAMO-ELECTRIC MACHINES

Frederick R. J. Davis, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 4, 1943, Serial No. 477,961
5 Claims. (Cl. 171-326)

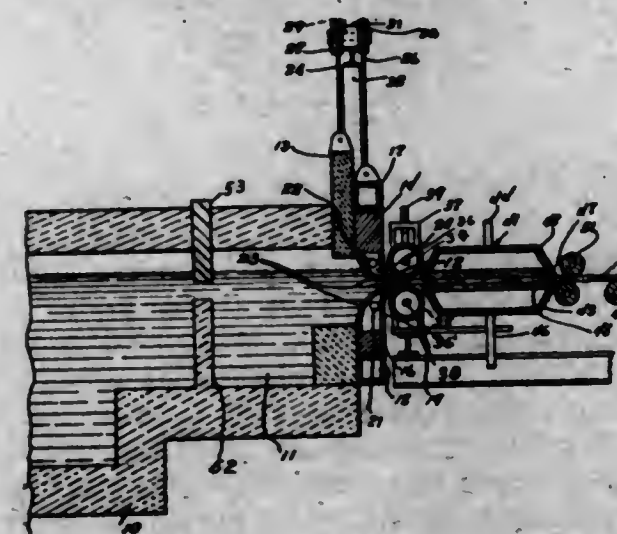


1. In a dynamo-electric machine of small size and high capacity, a slotted armature member having a winding in the slots thereof, a commutator comprising a plurality of axially extending bars having radial necks at one end thereof, said armature winding having a plurality of leads adapted to be connected to said commutator bar necks, each of said necks having two of said leads connected thereto, the two leads connected to each commutator bar neck coming from the top of one slot of the armature member and from the bottom of another slot, respectively, and being disposed side by side in a slot in the neck, and a mass of a brazing alloy in said slot joining the leads to the commutator bar neck.

2,387,886

FORMING GLASS SHEETS

Manson L. Devo, Wilkensburg, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application January 22, 1943, Serial No. 473,191
2 Claims. (Cl. 49-83.1)



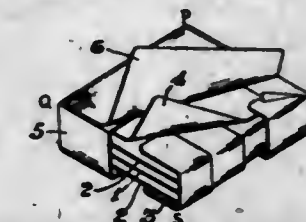
1. A process of forming accurately sized, relatively smooth sheets of glass which process com-

prises drawing out a sheet of molten glass and while it is being so drawn passing it between a pair of spaced sizing rollers at least one of the rollers being rotated at a speed above 800 inches per minute whereby to carry clinging films of air upon the roller surfaces between the surface of the rollers and the contiguous surfaces of the glass sufficient to support the glass without physical contact between the surfaces of the rollers and the surfaces of the glass.

2,387,887

X-RAY DOSAGE INDICATOR

Wilfrid Hampden Dimsdale and Alfred Eli Clarke, Ilford, England, assignors to Ilford Limited, Ilford, England, a British company
Application June 27, 1944, Serial No. 542,392
In Great Britain July 27, 1943
9 Claims. (Cl. 250-83)

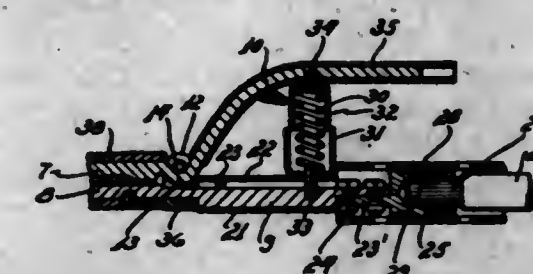


1. A film pack for use in detecting and estimating quantities of X-radiation and gamma-radiation which comprises a sheet of photographic film contained in a package protecting it against light but not against X-rays and gamma-rays, and provided with a mask consisting of a metal sheet having at least two areas of different thicknesses, the thickest area of the mask being substantially impermeable to such rays, the said mask covering only a fraction of the area of the film.

2,387,888

ELECTRODE HOLDER

Thomas S. Donnelly, Jr., Detroit, Mich., assignor to Bordon Mfg. Co., Inc., Detroit, Mich., a corporation of Michigan
Continuation of application Serial No. 476,479, February 19, 1943. This application March 10, 1945, Serial No. 582,013
5 Claims. (Cl. 219-8)



1. In an electrode holder of the class described, a supporting prong; an electrode engaging jaw on said prong; a pair of spaced apart lugs projecting from said prong; a cooperating clamping jaw; a pivot member supported on said lugs for mounting said cooperative jaw in pivotal relation to said first mentioned jaw; insulating means for insulating the outer faces of said lugs; and securing means for securing said insulating means and said pivot member in operative position relatively to said lugs.

2,387,889

WELDING SYSTEM

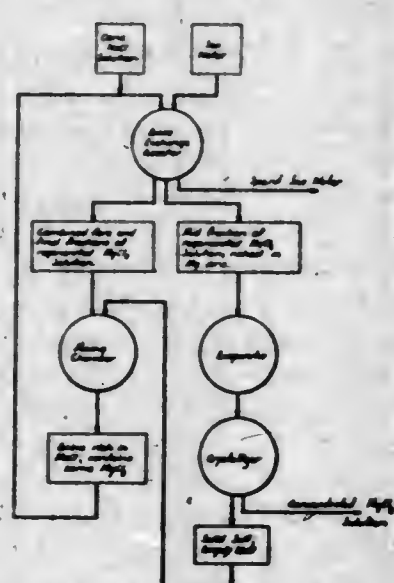
Leo O. Dorfman, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 20, 1943, Serial No. 495,409
12 Claims. (Cl. 171-97)

11. Safety control means for an arc welding system having an arc welding transformer with

upon any one of said lines having a predetermined condition thereon, a matching device, means for impressing a reference voltage upon said matching device, means for progressively connecting different ones of said lines to said matching device to test for and find a line impressed with said signal voltage, whereby said signal voltage is impressed upon said matching device when said one line is connected thereto, and means controlled by said matching device when a signal voltage impressed thereupon bears a fixed relation to said reference voltage impressed thereupon for detecting the corresponding one of said lines connected thereto.

2,387,898

MAGNESIUM SALTS FROM SEA WATER
John J. Grebe and William C. Bauman, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application February 2, 1942, Serial No. 429,185
14 Claims. (Cl. 23—50)



1. In a method for producing magnesium salts in a more concentrated form from an aqueous brine, the steps of absorbing magnesium ions from a brine which contains between 0.01 and 0.4 gram atomic weight of magnesium ions per liter and contains between 2 and 40 gram atomic weights of alkali metal ions per gram atomic weight of the magnesium ions by passing the brine into contact with a base exchange agent and thereafter treating the exchange agent with a stream of an aqueous solution of an ionizable compound other than a magnesium compound, which aqueous solution contains the ionizable compound other than a magnesium compound in a concentration greater than 1.8 normal, whereby absorbed magnesium ions are displaced from the exchange agent with formation of a magnesium salt solution containing the magnesium in higher concentration than in the initial brine.

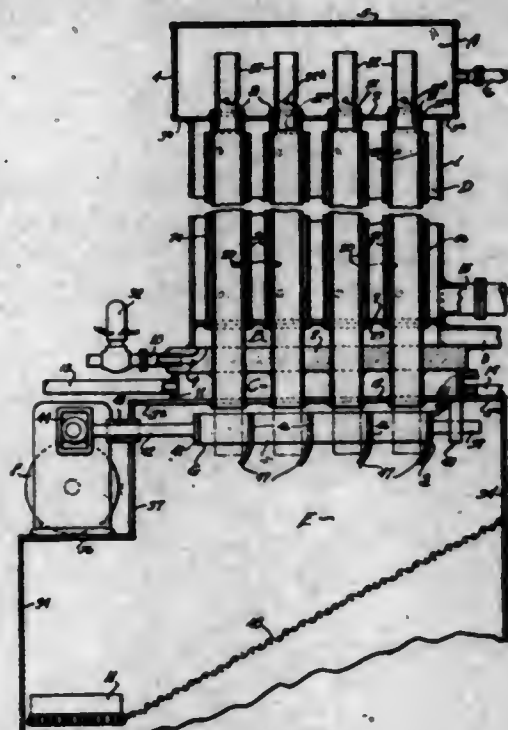
2,387,899

ICE-MAKING MACHINE

William P. Gruner, St. Louis, Mo., assignor of one-fourth to Oliver R. Burkhart, Webster Groves, Mo., one-fourth to Walter H. Burkhart, and one-fourth to Hilbert W. Hagnauer, both of Ladue, Mo.
Application August 30, 1943, Serial No. 500,482
8 Claims. (Cl. 62—164)

1. In an ice-making machine, a shell, a series of heat exchange tubes disposed longitudinally in spaced relation within the shell, a series of distributor tubes embracing and providing channels annularly about the heat exchange tubes, means for supplying water for flow into the heat ex-

change tubes, the shell having a chamber in communication with said channels, and means for alternately supplying refrigerant and a hot fluid

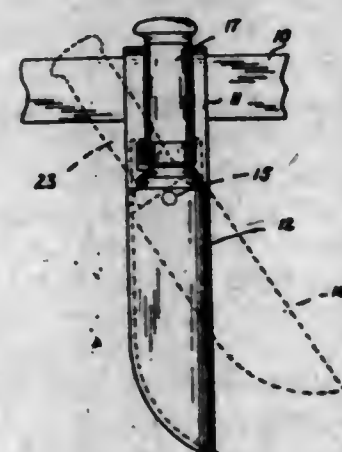


to said chamber for passage through said channels and about the heat exchange tubes for freezing the supplied water in, and then defrosting the heat exchange tubes.

2,387,900

KNIFE SHEATH

Henry Hartwell, Inkster, Mich.
Application December 14, 1944, Serial No. 568,151
4 Claims. (Cl. 224—2)



1. A sheath comprising a suspension member, a knife case open at top and pivotally affixed to the face of the suspension member, and a clamp affixed to said face of the suspension member above the open top of the case, the clamp being mounted in its place transversely and being open at one end to offer a constricted passage for the handle of a knife to be held in the case.

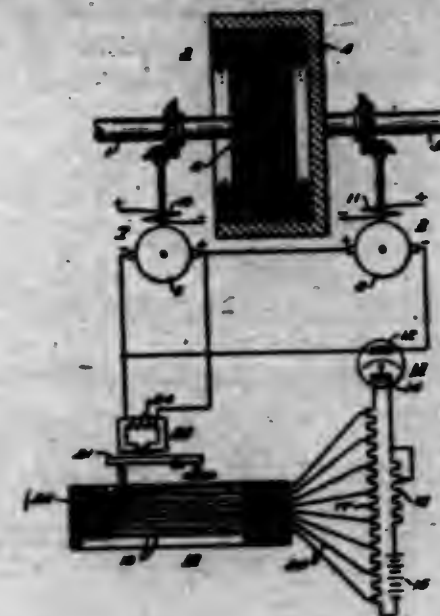
2,387,901

SLIP INDICATOR

Samuel A. Haverstick, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 31, 1942, Serial No. 453,093
7 Claims. (Cl. 73—118)

4. In a slip indicator for indicating the speed of one shaft in relation to the speed of another shaft, in combination, a rotating shaft, a second rotating shaft, means for producing a voltage that is directly proportional to the speed difference between the shafts, means, including part of said first-named means, for producing a voltage that is inversely proportional to the speed

of the first rotating shaft, and indicating means energized by both these voltages and responsive

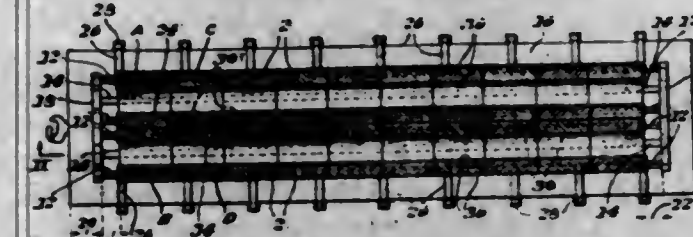


to the product of said voltages to thus indicate the slip speed of the second shaft with reference to the speed of the first shaft.

2,387,902

TRANSPORTATION LOAD AND METHOD OF PREPARING THE SAME

Don F. Hedges, Crown Point, Ind., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application October 2, 1944, Serial No. 556,841
6 Claims. (Cl. 105—367)



1. The method of preparing a transportation load of hollow cylindrical objects for transit in a railway car or the like which comprises placing skids and skid plates loosely on the floor in their approximate positions extending longitudinally of the car, placing a group of objects side by side at one end of the car with their axes extending longitudinally of the car, fastening the group of objects together, wedging the skids against the objects and fastening them in place, fastening the skid plates to the car floor, placing a second group of objects in the car on the skids and skid plates adjacent the first group, fastening the second group tightly to the first group, wedging the skids against the second group, and progressively fastening additional groups to each preceding group in like manner throughout the length of the car to form one major solid unit which is free to move a limited amount longitudinally of the car.

2,387,903

CONTACTING ELEMENT

Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application March 14, 1944, Serial No. 526,349
9 Claims. (Cl. 219—4)

7. In an electrical contact assembly, a support member having a relatively low ductility characteristic; an intermediate member secured to said support member and having a relatively high ductility characteristic; and a contact member secured to said intermediate member and having a relatively low ductility characteristic, said support member and said contact member being further characterized in that their coefficients of

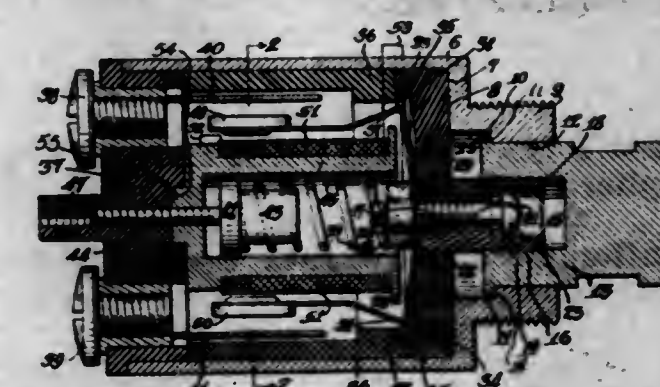
expansion are different to a substantial degree, whereby the effects of opposing actions of said support member and said contact member result-



ing from said difference in their coefficients of expansion are to a large degree absorbed by said intermediate member due to its high ductility characteristic, without harm to said assembly.

2,387,904

HEAT COIL OPERATED THERMAL SWITCH
Robert Hetherington, Sharon Hill, Pa., assignor to Robert Hetherington & Son, Inc., Wilmington, Del., a corporation of Delaware
Application October 17, 1942, Serial No. 462,350
17 Claims. (Cl. 200—122)

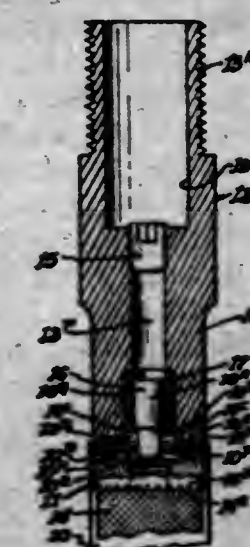


1. A thermally opened clicker time switch comprising a casing having fixed contacts therein, a seat for a clicker disc, a bimetallic clicker disc adapted to be clicked transversely past its center and having arms adapted to engage the fixed contacts and closing or opening an operating circuit through the disc, a spring tending to resist switch closing movement of the disc, and shunt current means passing the shunt current through the spring and tending to heat the disc and thereby open the switch.

2,387,905

WELDING ELECTRODE

Joseph Hoch, Congress Park, Ill., assignor to Wittek Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application May 15, 1944, Serial No. 535,718
6 Claims. (Cl. 219—4)

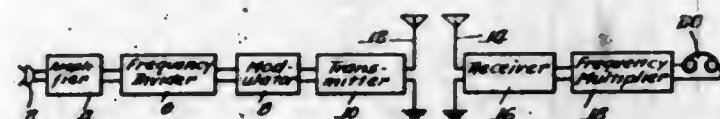


6. A spot welding electrode having a slotted work-engaging end divided into a plurality of spaced flat spot welding contact faces, and a pilot mounted in and electrically insulated from the body of the electrode and extending through the slotted portion of the electrode outwardly beyond said contact faces.

2,387,906

COMMUNICATION SYSTEM

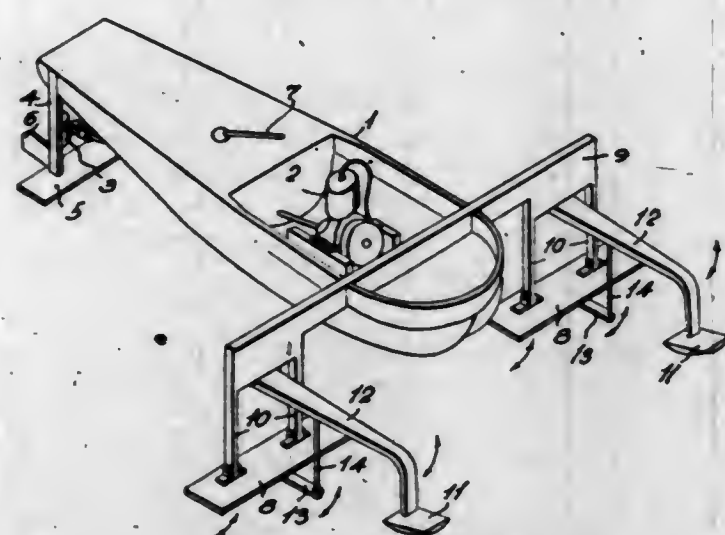
Thomas W. W. Holden, Fort Wayne, Ind., assignor to The Magnavox Company, Ltd., Fort Wayne, Ind., a corporation of Indiana
Application August 19, 1942, Serial No. 455,296
11 Claims. (Cl. 179-1.5)



1. The method of transmitting intelligence which comprises subdividing the voice currents to be transmitted into syllabic sections, eliminating repetitious portions of each syllabic section and transmitting the balance at reduced frequency to a distant station, at the distant station increasing the frequency of each syllabic section to its original value and repeating each syllabic section at the increased frequency to reconstitute each syllable of the original voice currents at the transmitting station.

2,387,907

CRAFT OF THE HYDROPLANE TYPE
Christopher Hook, Limuru, Kenya Colony, British East Africa
Application October 26, 1943, Serial No. 507,712
In the Union of South Africa November 3, 1942
7 Claims. (Cl. 114-66.5)

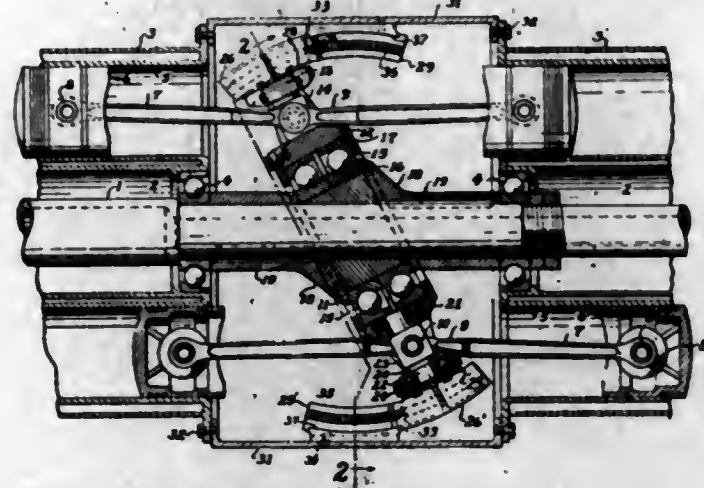


1. Craft of the character described comprising a hull and propulsion means therefor, and means for supporting said hull, at any predetermined speed, at a predetermined height relative to the normal floating position of said hull, said supporting means comprising strut means depending from said hull at the stern thereof, a supporting fin fixed to said strut means at the lower end thereof, means extending transversely across and laterally beyond each side of said hull at the bow thereof and including depending strut means on each said side, a laterally stabilizing and supporting fin pivotally connected to each said last-named strut means at the lower end thereof, and means associated with each of said pivotally-connected stabilizing and supporting fins and mounted to skim along the surface of the water forwardly of said hull and severally connected to said pivotally-connected stabilizing and supporting fins at the front thereof so as to control the angle of incidence thereof, whereby each said pivotally-connected stabilizing and supporting fin is independently controlled as regards its angle of incidence so that the position of the hull relative to its normal floating position remains substantially constant at said speed.

2,387,908

WABBLER DRIVE MECHANISM

Frank C. Howard, Dearborn, Mich.
Application July 29, 1944, Serial No. 547,267
5 Claims. (Cl. 74-60)

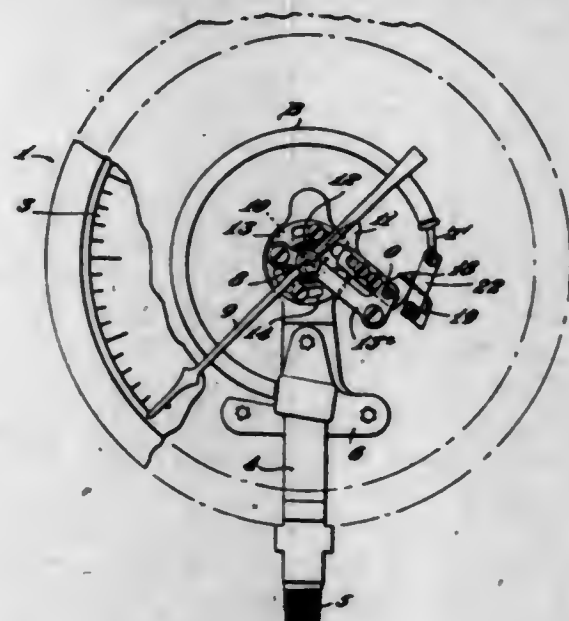


1. In a wabblor drive mechanism, a shaft, an oscillatory wabblor carried by and diagonally inclined to the shaft, a journal bearing for the wabblor being provided on the shaft with the axis of such bearing transverse to the inclination of the wabblor, a pair of members, one fixed on the wabblor and the other fixed relative to the wabblor, said members being opposed to restrain the wabblor from rotation, and an anti-friction element interposed between said members, and constrained to roll relative to both said members as the wabblor oscillates.

2,387,909

TEMPERATURE COMPENSATED BOURDON TUBE INSTRUMENT

Robert J. Ingham, Jr., Fairfield, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application August 24, 1943, Serial No. 499,803
9 Claims. (Cl. 73-393)



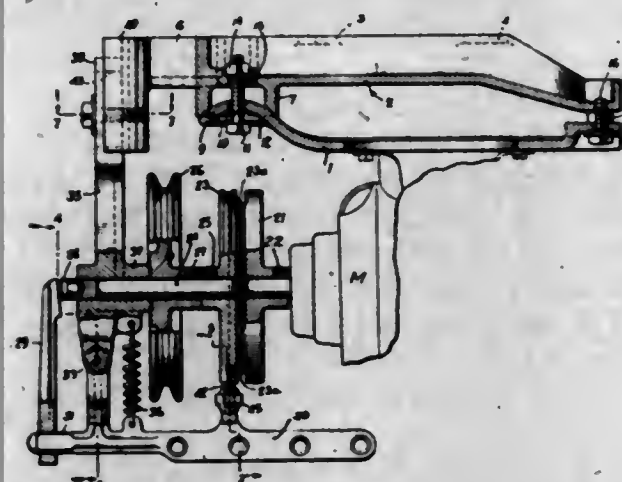
8. A dial type Bourdon tube instrument including a Bourdon tube and wherein a gear segment, mounted upon one arm of a lever, engages a pinion on a rotary staff carrying an index, and wherein one end of a link, whose opposite end is attached to the tube tip, is united by a pivot to a second arm of the lever, the link transmitting motion from the tube tip to the lever, characterized in that said second arm of the lever comprises relatively movable parts, one being a terminal element to which one end of the link is connected by said pivot, and means connecting the terminal element to the other portion of said second lever arm, said connecting means including a bi-metallic element so constructed and arranged as, in response to changes in ambient temperature, to move the pivot lengthwise of the long-

itudinal axis of the lever and relatively to the fulcrum axis of the latter thereby to change the effective length of the second lever arm in accordance with changes in the modulus of elasticity of the Bourdon tube without thereby affecting the position of the gear segment.

2,387,910

POWER TRANSMISSION DEVICE

Max Ingwer and Werner W. Schwarz, New York, N. Y., assignors to Consolidated Sewing Machine & Supply Co. Inc., New York, N. Y., a corporation of New York
Application July 9, 1943, Serial No. 493,976
3 Claims. (Cl. 192-66)



1. A friction-drive device which has a motor which has a driving motor shaft, said device also having a driven shaft, said device also having a frame, a motor-supporting platform located below said frame, said platform being operative to support said motor below said platform, said frame and said platform having abutting walls, said walls being shaped to provide a universal joint so that said platform is movable in all directions relative to said frame while said walls are in abutting relation, said frame and said platform having clamping means at said point to clamp said walls directly to each other in fixed adjusted relation, said device having additional fixing means which are located at a point spaced from said joint, said fixing means being operative to fix said platform to said frame, said frame having abutment members adjustably fixed thereto, said abutment members extending upwardly from said platform and being located to abut the underside of said frame when said platform is fixed to said frame, said abutment members being located laterally relative to a line between said clamping means and said fixing means, said line being located intermediate said abutment members, a bearing connected to said frame, said driven shaft being mounted turnably in said bearing, said shafts being located substantially directly below said line and being substantially aligned with said line.

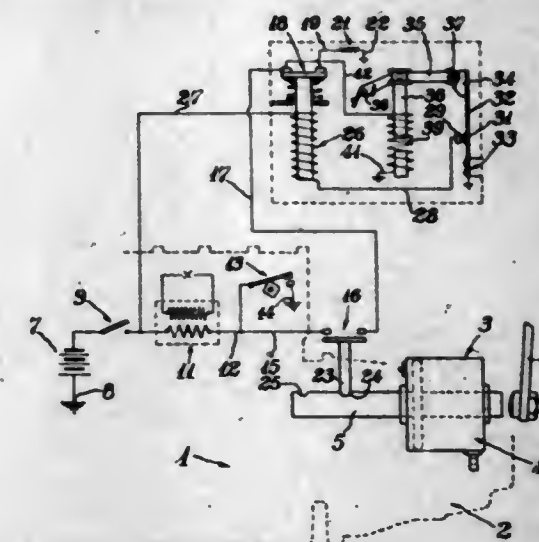
2,387,911

AUTOMATIC CONTROL FOR INTERNAL-COMBUSTION ENGINES

Daniel P. Kearney, Birmingham, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 3, 1940, Serial No. 343,793
3 Claims. (Cl. 74-472)

1. In combination with a variable speed transmission control for internal combustion engines including a movable shift member, an engine ignition system including a battery, an ignition switch and ignition coil, a grounding circuit for said ignition coil including a normally open switch, means responsive to initial movement of

the shift member for closing said normally open switch, a normally closed magnetic switch in the grounding circuit, a control circuit for the magnetic switch, means energized by closure of the

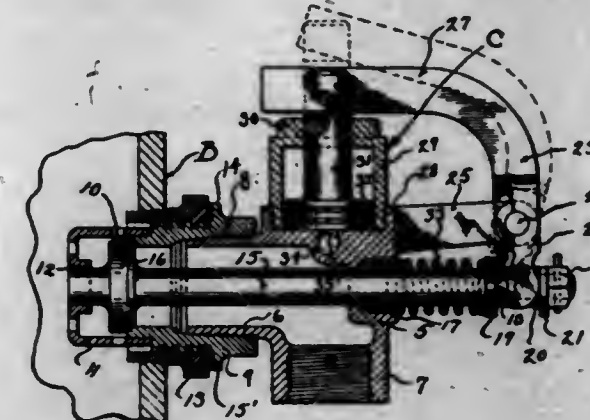


grounding circuit for causing closure of the control circuit, and means for preventing effective energization of the magnetic switch for a predetermined time after energization of the closing means for the control circuit.

2,387,912

BLOWOFF COCK

Daniel Allcott Kelly, Milwaukee, Wis., assignor to Prime Manufacturing Company, Milwaukee, Wis.
Application November 20, 1944, Serial No. 564,236
2 Claims. (Cl. 137-139)



1. A blow-off cock for steam boilers comprising a valve casing having a longitudinally extending body and a right angularly disposed discharge nipple, an internally threaded annular flange formed on the valve casing, a cylinder having its outer end closed threaded into said flange, the inner end of said casing having a valve seat, a valve for said seat, spring means normally holding the valve on its seat, a lever for operating said valve against the tension of the spring, an operating piston slidably mounted in the cylinder having operative connection with the lever, and said casing having a passageway therein for fluid under pressure and a port connecting said passageway with the inner end of the cylinder.

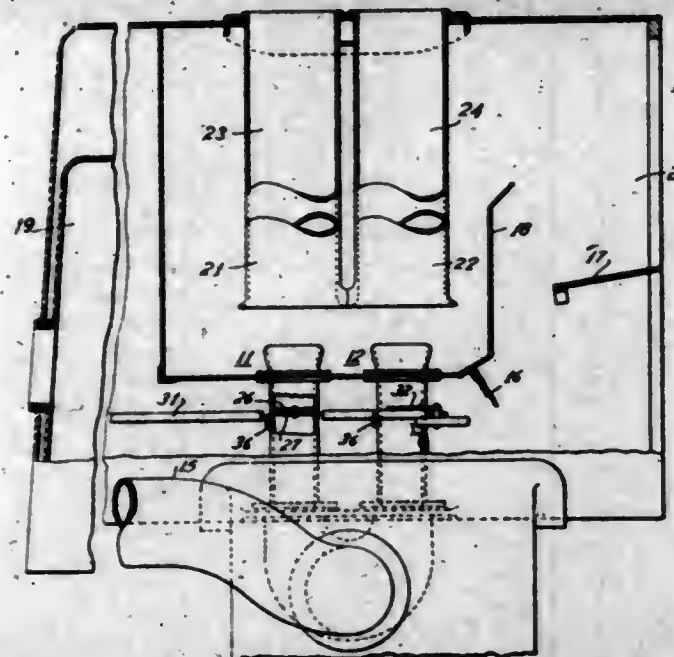
2,387,913

TURBINE LOCOMOTIVE

Charles Kerr, Jr., Edgewood, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 8, 1943, Serial No. 475,108
5 Claims. (Cl. 110-150)

1. In a locomotive, the combination with a firebox and a smokechamber therefor, of a plurality of smokestacks for the smokechamber, an exhaust nozzle for each stack, said nozzles being disposed to exhaust steam through said stacks to create a draft through the firebox, smoke-

chamber and stacks, a valve for each nozzle to control the exhausting of steam therethrough, a throttle device for the locomotive, and means

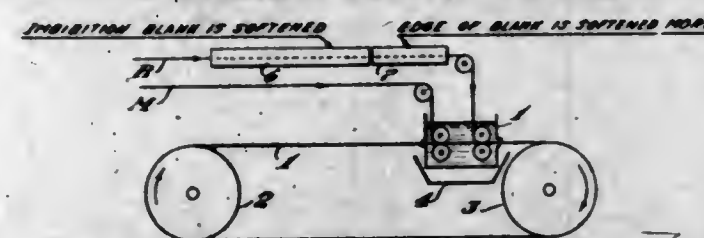


actuated by the throttle device for opening said valves successively as the throttle is opened and closing said valves successively as the throttle is closed.

2,387,914

IMBIBITION PRINTING

John F. Kienninger, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine
Application February 17, 1944, Serial No. 522,721
5 Claims. (Cl. 101-149.1)

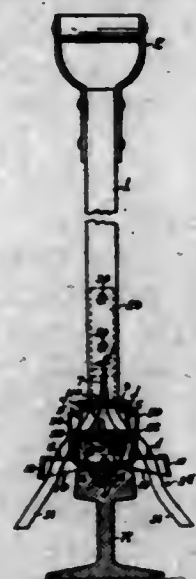


1. The method of printing by imbibition from a dyed matrix to a blank having a dye absorptive layer which comprises softening said layer a predetermined amount throughout the picture layer to make it more dye absorptive, softening the layer a greater amount along the margin to maintain good contact between blank and matrix during the imbibition printing, and then pressing the blank and matrix together face to face to transfer the dye by imbibition from the matrix to the blank.

2,387,915

RAILROAD TORPEDO SETTER

Lawrence T. Kirk, Abbeville, S. C.
Application February 19, 1944, Serial No. 523,153
5 Claims. (Cl. 246-216)



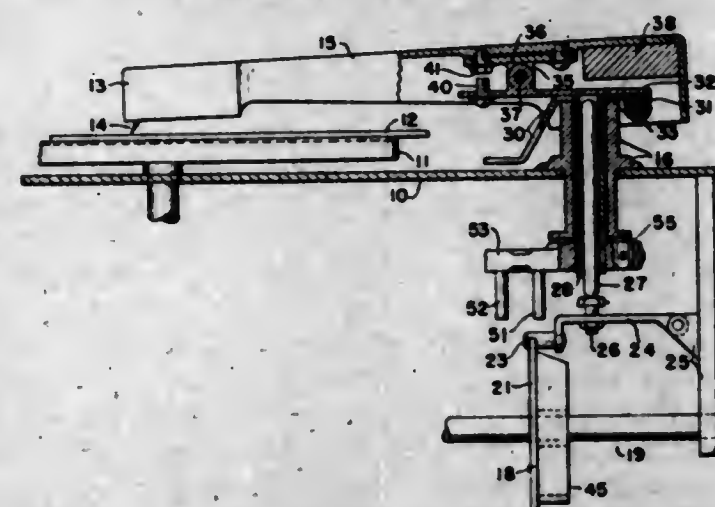
1. A torpedo applying device comprising a handle, levers pivotally mounted at opposite sides of

the lower end of said handle and extending downwardly therefrom, jaws having arms extending upwardly therefrom and each having a hinge member at the junction of its upper end with its companion arm, said arms being pivoted in spaced relation to their upper and lower ends to lower ends of said levers, a yoke for holding a torpedo disposed under said handle with said hinge members pivoted to its opposite side portions and mounting the jaws for swinging movement from an extended position downwardly towards each other for bending straps of a torpedo into gripping engagement with side portions of a rail head the free upper ends of the arms being flanged to engage the levers to limit the movement of the jaws, and a spring between said levers secured at its ends to the said arms and normally holding the levers and the jaws in a normal position.

2,387,916

PICKUP ARM CONTROL

Arthur L. Knox and Fritz Kahl, Fort Wayne, Ind., assignors to Farnsworth Television and Radio Corporation, a corporation of Delaware
Original application December 31, 1940, Serial No. 372,681. Divided and this application May 1, 1943, Serial No. 485,266
8 Claims. (Cl. 274-15)

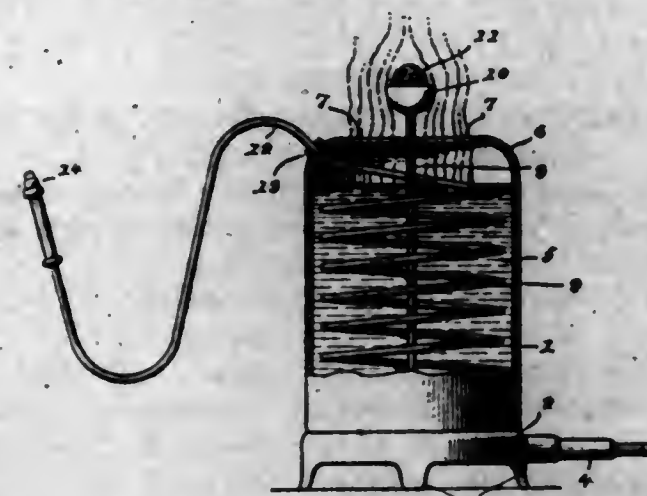


1. An automatic record-changer apparatus comprising a turntable, a pickup arm for cooperating with a record on said turntable, a movable cam means for moving said pickup arm, and a means operatively associated with said cam means and said pickup arm and movable by said cam means for imparting to said pickup arm a relatively fast outward movement and a relatively slow inward movement.

2,387,917

INHALER

Joseph A. La Bille, Chicago, Ill.
Original application April 8, 1940, Serial No. 328,555. Divided and this application April 11, 1945, Serial No. 587,669
4 Claims. (Cl. 128-192)



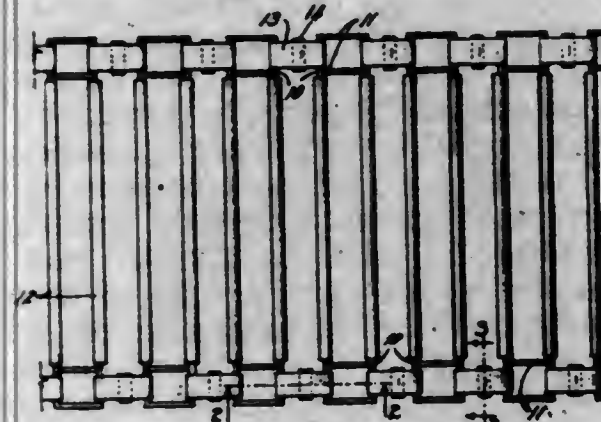
1. A device for producing heated, moistened medicament for nasobronchial disorders, com-

prising a container for water having a base, a heating element in the base, the top of the container having openings, a coil in the container having its lower end turned and rising vertically through the top of the container, a cup-like formation at the top of the vertical end, water saturated material in the cup-like formation, the other end of the coil extending out of the container, an inhaler on the latter end, and medicament in the inhaler to contact and mix with the moistened heated air.

2,387,918

POTATO GRADER CHAIN

Thorval J. Lockwood, Gering, Nebr.
Application May 4, 1944, Serial No. 534,121
9 Claims. (Cl. 198-195)



1. A bar chain comprising: a series of parallel bars extending transversely of said chain; cross bars connecting said parallel bars into pairs, there being a separated pair of cross bars at each extremity of each pair of said parallel bars; and links extending between the adjacent pairs of parallel bars maintaining the pairs in parallel relation.

2,387,919

DEEP-DRAWING STEEL

James E. Lose, Wilkesburg, Pa.
No Drawing. Application January 7, 1942, Serial No. 425,941
2 Claims. (Cl. 22-200)

2. A method of making steel, comprising bottom pouring a steel ingot of rimming, plain-carbon steel; allowing an ingot skin to form; and, prior to solidification of the ingot core, further bottom pouring plain-carbon steel, into the same ingot, containing sufficient aluminum to render the ingot core nonaging, fully killed, plain-carbon steel; and allowing the core to solidify.

2,387,920

MANUFACTURE OF INHIBITORS

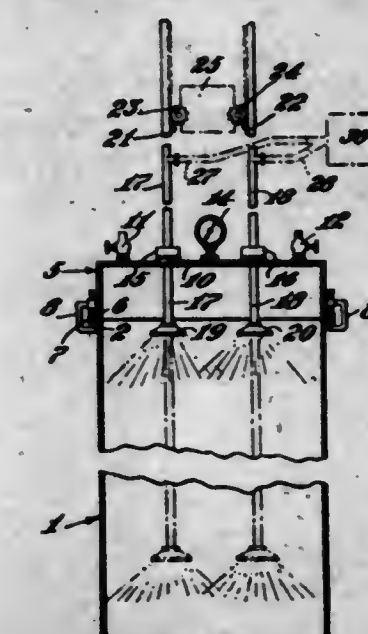
Charles D. Lowry, Jr., Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application January 18, 1943, Serial No. 472,751
3 Claims. (Cl. 260-627)

1. A method for increasing the inhibiting potency of a phenolic wood tar fraction containing aryl-methyl ethers, which comprises reacting said fraction with a hydrogen halide in the presence of aniline at a temperature of from about 100° C. to about 200° C. to convert the ethers to phenols, and recovering a phenolic concentrate from the reaction mass.

2,387,921

MANUFACTURE OF ICE

Joseph R. MacDonald, Winchester, Mass.
Application June 30, 1943, Serial No. 492,798
3 Claims. (Cl. 62-172)

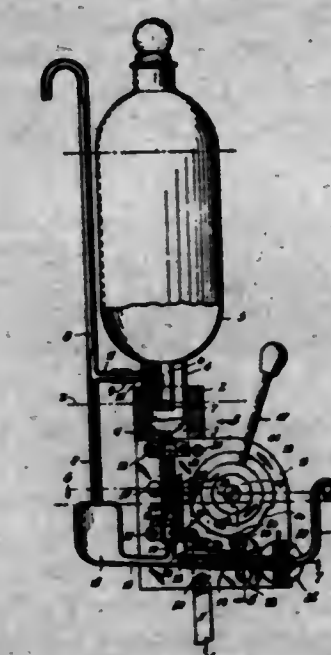


2. The method of making ice containing absorbed and entrapped gas which comprises displacing the air from an enclosed container immersed in a refrigerant maintained at a sub-freezing temperature with a gas desired to be absorbed and entrapped, directing a fine spray of water through a portion of said gas and against the interior portions of said container, thereby to form a coating of ice on the bottom portion, and continuing the spraying of water against the accumulated ice layers at such a rate that the major portion of the liquid spray impinging upon the accumulated ice layers freezes almost instantly upon contact, thereby to form a solid block of ice containing absorbed and entrapped gas.

2,387,922

APPARATUS FOR MEASURING LIQUIDS

Roger W. McBrien, Alton, Ill.
Application November 23, 1942, Serial No. 466,701
11 Claims. (Cl. 222-445)



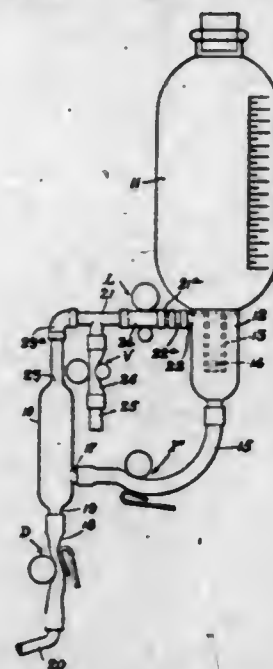
1. An apparatus for measuring liquids comprising a container sealed from atmospheric pressure, a well in which the lower end of said container is disposed, a receptacle connected with the bottom of said well and having a vent tube connected with the upper part of said well, a tube connecting the lower part of the receptacle with the bottom of the well, a discharge spout for the receptacle, a tube connecting the lower part of the receptacle with the discharge spout, means for moving said spout in a vertical plane to control the quantity of fluid discharged from

the receptacle, means for closing the passages through the two last mentioned tubes, and cams effective on said closure means whereby one tube may be opened while the other is being closed.

2,387,923

DISPENSING APPARATUS FOR LIQUIDS

Roger William McBrien, Alton, Ill.

Application August 12, 1943, Serial No. 498,294
17 Claims. (Cl. 222-445)

1. Apparatus for dispensing liquid in measured quantities comprising, in combination, a container sealed from atmospheric pressure, a constant level well into which the lower end of said container projects, a measuring receptacle having a valved outlet for discharge of its contents, a filling connection from the well to said receptacle, a pressure equalizing connection between the respective upper portions of said well and receptacle, a valve for closing said equalizing connection, and a valve-controlled vent communicating with the upper portion of said receptacle.

2,387,924

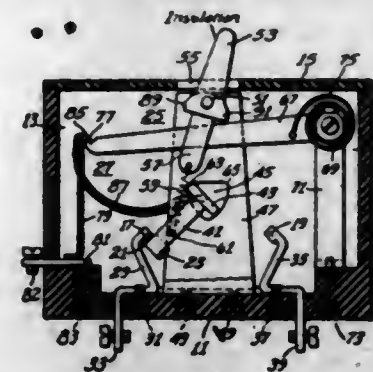
FOUNTAIN-TYPE COMB

Charles A. McClure, Chicago, Ill., assignor of one-half to Mary A. Sribike

Application November 17, 1944, Serial No. 563,871
2 Claims. (Cl. 132-13)

1. In a fountain-type comb of the class described, a body including a rigid back portion and associated teeth, said back being provided with a longitudinal barrel, said barrel constituting a reservoir for a predetermined solution or preparation, having closures for opposite ends of said barrel, L-shaped ports formed in said back and having the discharge ends opening through one surface and the intake ends opening into the chamber formed in said barrel, a reciprocatory valve rod in said barrel provided with longitudinally spaced rubber inserts, said inserts constituting valve elements and said valve elements covering said intake ports, said valve rod having its opposite ends reduced, and guides in the barrel for coaction with said reduced ends, and a spring-returned button on one end connected to one of said reduced ends, whereby to normally hold the valve elements in closed position, in the manner and for the purposes described.

2,387,925

CIRCUIT BREAKERStanley J. Mitchell, Wilkesburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 11, 1943, Serial No. 498,188
14 Claims. (Cl. 200-116)

1. A circuit breaker for controlling a plurality of circuits comprising a support frame, a switch member supported on said frame, said switch member having a plurality of spaced pivots about which it pivots to selectively close said circuits, an operating handle having a neutral "open" position and operable in either direction from said "open" position to closed positions for selectively closing said circuits, means comprising a spring operable by said handle to move said switch member about said pivots to selectively effect manual opening and closing of said circuits, a biased member releasable to effect automatic opening of said circuits, and means on said handle engageable by said releasable member and operable by said releasable member to automatically actuate said handle to "open" position from either of its closed positions.

2,387,926

WINDOW CLEANING DEVICE

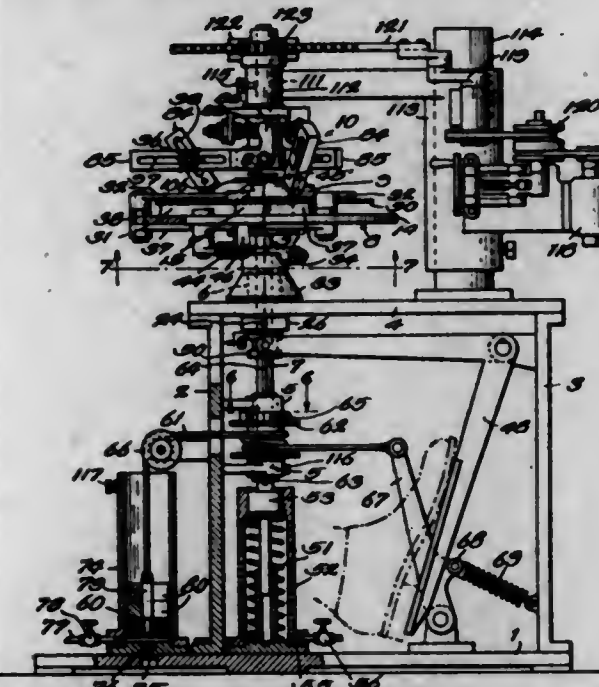
Nellie E. Miller, McLean, Va.

Application January 18, 1943, Serial No. 472,773
3 Claims. (Cl. 15-220)

1. A window sash cleaning device comprising a rigid elongated body adapted to assume a position adjacent and parallel to the outer surface of a sash pane at a substantial angle to the horizontal, a movable structure including a cleaning element carried and guided by said body, flexible elements projecting from the top and bottom respectively of said movable structure and extending respectively over and beneath the sash to the inside of the building carrying the sash, and means adjacent opposite ends of said body

forming guides through which the respective flexible elements extend, said body having an upper end portion engaging the top of the sash and constructed and arranged to adapt it for sliding movement perpendicular to the plane of the sash, at least a portion of each guide being arranged substantially parallel to the pane whereby pulling forces on the ends of said flexible means will result in the application of forces to said body to press said cleaning element against the pane.

2,387,927

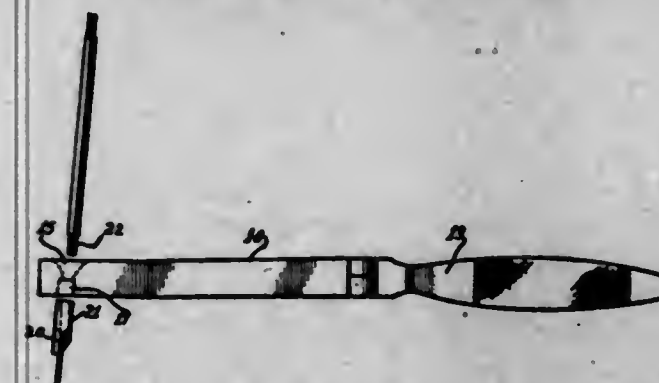
METHOD AND APPARATUS FOR MANUFACTURING POTTERY WAREWilliam J. Miller, Swissvale, Pa., assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa., a corporation of Pennsylvania
Original application February 24, 1943, Serial No. 476,939. Divided and this application January 13, 1944, Serial No. 518,080
25 Claims. (Cl. 51-55)

1. A pottery dressing machine having a burr removing implement for detaching burrs from the glazed, hardened surface of a fired ware piece, a floating mounting for said implement enabling it to float up and down on the surface of the ware and pass smoothly thereover in position to act upon the burrs projecting thereabove, a ware support, manually operated means for relatively moving the ware support and implement support to bring the implement and ware into deburring position, and means for oscillating the ware support and implement support, either one or both to effect the removal of burrs by oscillatory motion.

2,387,928

HAND TOOL

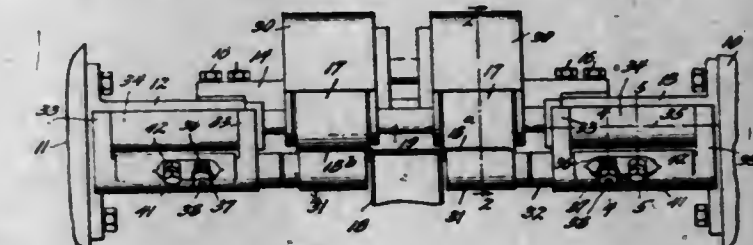
Russel Monnier, Detroit, Mich.

Application January 27, 1944, Serial No. 519,845
3 Claims. (Cl. 81-5.1)

1. A device of the character described comprising a pair of jaws, means in said jaws for securely

holding a wire terminal, and means in said jaws for assisting the endwise entry of a stranded wire into an opening in said terminal, both said means including a straight bore and a tapered bore in communication with said straight bore and eccentric thereto.

2,387,929

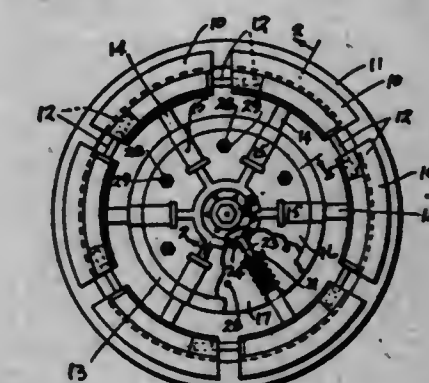
GLUING MECHANISMCharles Z. Monroe, Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio, a corporation of Ohio
Original application June 13, 1940, Serial No. 340,358. Divided and this application August 13, 1941, Serial No. 406,705
3 Claims. (Cl. 91-49)

3. In an adhesive applying mechanism, in combination, a support, an adhesive applying roll mounted on the support for rotation about a fixed axis, a spreader plate supported for adjustment radially of said roll, end plates for maintaining, in association with said spreader plate, a body of adhesive against said roll, spring pressed detents for urging said end plates against the ends of the roll and detachably securing them in such position, a pressure roll cooperating with the adhesive applying roll, and means for shiftably mounting said pressure roll with respect to said adhesive applying roll including a spring to urge the pressure roll against the adhesive applying roll and a limit contact member to limit the shifting movement of the pressure roll, to maintain a moving sheet to be coated with the adhesive against the adhesive applying roll.

2,387,930

SOLID TIRE CUSHION WHEEL

Peter Murphy, Brooklyn, N. Y.

Application November 28, 1944, Serial No. 565,479
7 Claims. (Cl. 152-8)

1. In a solid tire cushion wheel having a plurality of segmental rim sections for supporting a tire, and having a hub section with a back hub plate and a removable front plate and a plurality of cylinders formed half in said hub plate and half in said front plate and pistons connected with said rim sections and engaging into said cylinders for movably connecting said rim sections and hub sections, pneumatic cushioning means for said cylinders and pistons, comprising a removable resilient unit with bellows portions within said cylinders, tube portions connecting said bellows portions, and an air valve for supplying said unit with air.

2,387,931

UNSATURATED ESTERS AND POLYMERS THEREOF

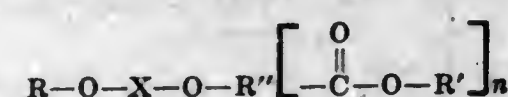
Irving E. Muskat and Franklin Strain, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

No Drawing. Application May 6, 1941,

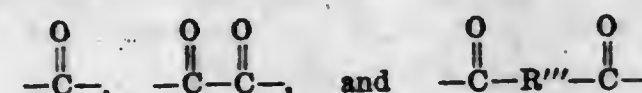
Serial No. 392,100

8 Claims. (Cl. 260-78)

6. A neutral ester having a structural formula:



wherein R and R' are radicals selected from the group consisting of radicals corresponding to the radical R in the alcohols designated by the formula ROH, said alcohols being unsaturated monohydric alcohols having from 2-10 carbon atoms and a carbon to carbon unsaturated linkage in an aliphatic chain adjacent the beta carbon atom therein, R'' is a hydrocarbon radical having a valence equal to (n+1), n is a small whole number and X is a radical of the group consisting of



wherein R''' is a divalent hydrocarbon radical.

2,387,932

COMPOSITION OF MATTER

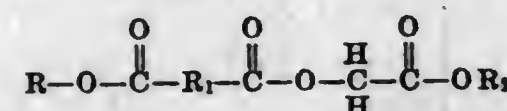
Irving E. Muskat and Franklin Strain, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

No Drawing. Application May 6, 1941,

Serial No. 392,103

4 Claims. (Cl. 260-475)

1. An ester having the structural formula



wherein R and R₂ are radicals selected from the group consisting of radicals corresponding to the radical R in the alcohol ROH, said alcohol being a monounsaturated monohydric alcohol containing from two to five carbon atoms and having an unsaturated carbon to carbon linkage adjacent the beta carbon atom therein, at least one of the radicals R and R₂ being a vinyl radical, and R₁ is a radical selected from the group consisting of divalent saturated aliphatic hydrocarbon radicals and the phenylene radical.

2,387,933

UNSATURATED ESTERS AND POLYMERS THEREOF

Irving E. Muskat, Akron, and Franklin Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application November 6, 1941,

Serial No. 418,066

9 Claims. (Cl. 260-78)

9. As a new compound, a monomeric neutral ester of (a) a monohydroxy alcohol containing from three to ten carbon atoms and having an unsaturated carbon to carbon bond in an aliphatic carbon chain, said bond being between the second and third carbon atoms from the hydroxyl group therein and (b) a polyester containing at least one carboxylic acid group, said monomeric neutral ester containing from three to ten ester linkages at least two of which are derived from carbonic acid.

phatic carbon chain, said bond being between the second and third carbon atoms from the hydroxyl group therein and (b) a polyester containing at least one carboxylic acid group, said monomeric neutral ester containing from three to ten ester linkages at least two of which are derived from carbonic acid.

2,387,934

COMPOSITION OF MATTER AND POLYMERIZATION PRODUCTS THEREOF

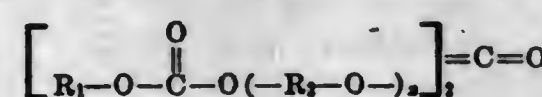
Irving E. Muskat, Akron, and Franklin Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application June 8, 1942,

Serial No. 446,286

8 Claims. (Cl. 260-80)

1. A new polymerizable compound having the following molecular structure:



wherein R₁ is a radical corresponding to the radical R₁ in the alcohol R₁OH, said alcohol being an unsaturated monohydric alcohol having from three to ten carbon atoms and having an unsaturated carbon-to-carbon linkage adjacent the beta carbon atom therein, R₂ is a hydrocarbon radical selected from the class consisting of divalent saturated aliphatic hydrocarbon radicals and divalent aromatic hydrocarbon radicals and x is a small whole number from 1 to 4.

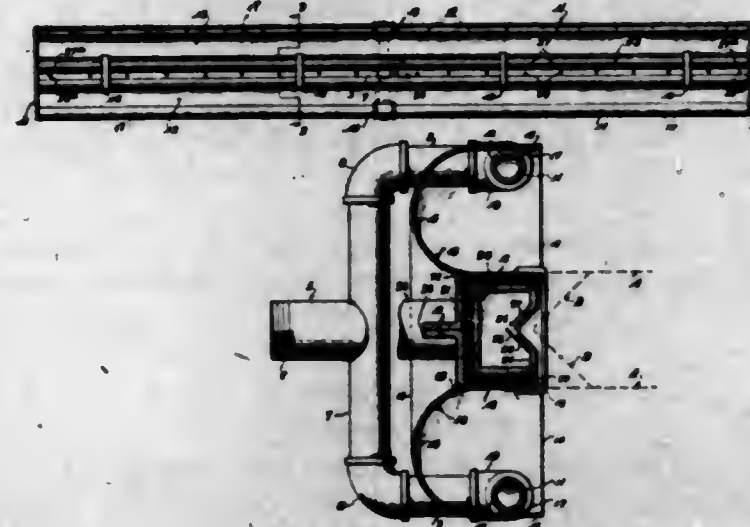
2,387,935

FIRE EXTINGUISHING METHOD AND APPARATUS

Leonard D. Myers, Washington, D. C., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation of the United States

Application December 15, 1943, Serial No. 514,403

22 Claims. (Cl. 169-11)



1. A method of discharging a fire extinguishing medium, comprising effecting sudden release of liquid carbon dioxide to lower its pressure sufficiently to form snow and vapor, discharging the carbon dioxide snow and vapor to the atmosphere in the form of a stream of rectangular shape in cross section, separately generating water fog in a zone paralleling and co-extensive with the major cross sectional dimension of the rectangular carbon dioxide stream, and projecting the generated water fog so that a portion of the same will be entrained by the carbon dioxide stream.

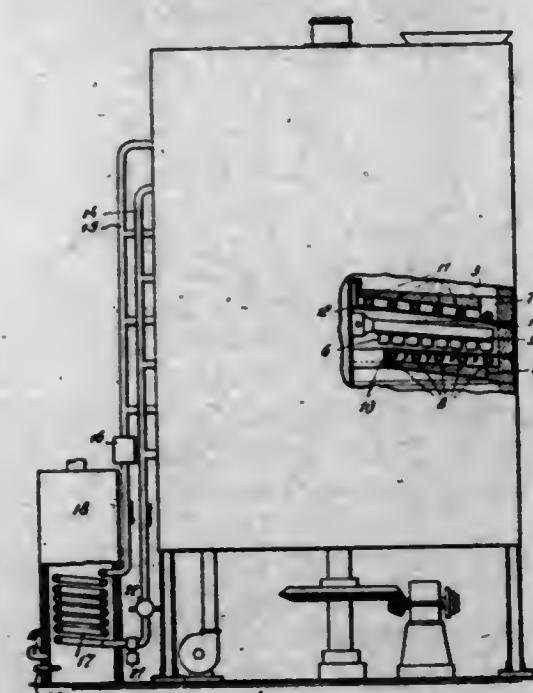
2,387,936

METHOD OF REGENERATING SPENT ADSORBENTS

Edward S. Nicholls, Woodbury, Henry D. Noll, Wenonah, and John W. Payne, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application March 19, 1940, Serial No. 324,776

2 Claims. (Cl. 252-281)



1. In a method of regenerating a spent particle-form adsorbent carrying carbonaceous impurities by burning, the improvement which comprises: rabbling the adsorbent across each of a series of substantially horizontal hearths and passing it downwardly through said series while passing combustion supporting air upwardly through and across said hearths in a direction generally counter-current to the flow of said adsorbent, and subjecting the adsorbent upon each of said hearths to indirect heat exchange with a confined flowing fluid heat exchange medium which medium is at such a temperature and utilized in such quantities as to maintain the adsorbent upon each hearth between the minimum combustion temperature and the maximum temperature which does not damage said adsorbent.

2,387,937

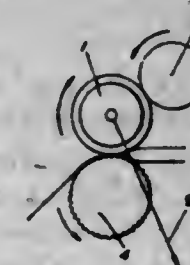
ROLLERS OF DRAFTING MECHANISM FOR TEXTILE FIBERS

Joseph Noguera, Prestwich, Manchester, England, assignor to Casablancas High Draft Company Limited, Manchester, England, a British company

Application March 3, 1943, Serial No. 477,875

In Great Britain April 27, 1942

7 Claims. (Cl. 19-130)



2. For use with driven and follower spinning rolls having a nip through which the roving passes, a driven third roll having with the follower roll a direct friction driving nip free of the roving.

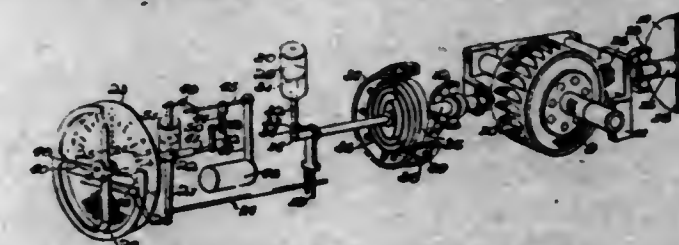
2,387,938

RATE OF TURN METER AND BANK INDICATOR

Paul A. Noxon, Tenaflly, N. J., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware

Application April 17, 1942, Serial No. 439,425

11 Claims. (Cl. 33-204)



5. A combined rate of turn meter and bank indicator for aircraft, comprising a rotatable dial having a scale thereon calibrated in degrees of turn per unit of time and also having means thereon representing the horizon, an indicating member simulating an aircraft and operating with said horizon means to indicate bank, a pointer cooperating with the scale of said dial to indicate the rate of turn of the aircraft, reference indicating means also cooperating with said aircraft simulating member to indicate the amount of error in the angle of bank when said aircraft is making an incorrectly banked turn, a pendulum responsive to banking of the craft for actuating said aircraft simulating member, a rate of turn responsive gyroscope mounted for precession in response to turning of the craft for actuating said rotatable dial to indicate the rate of turn on the scale thereof, a pair of oppositely acting springs actuated upon precession of said gyroscope for applying to said gyroscope a force opposing said precession, and means acting on said springs for making said opposing force proportional to the tangent of the angle of precession of said gyroscope so that said angle of precession is equal to the angle of bank of said aircraft, whereby the position of said aircraft simulating member with respect to said horizon means on said dial indicates the angle of bank during a turn, and the position of said member with respect to said reference indicating means indicates the amount of error in the angle of bank when said aircraft is making an incorrectly banked turn.

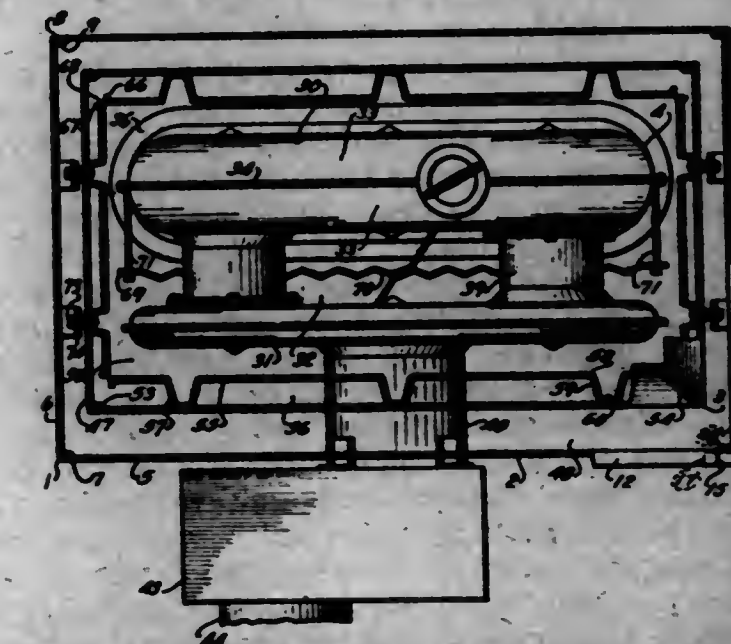
2,387,939

FLOOR FURNACE

Ambrose Dean Olds, Wichita, Kans., assignor to The Coleman Lamp and Stove Company, Wichita, Kans., a corporation of Kansas

Application June 24, 1942, Serial No. 448,273

10 Claims. (Cl. 126-116)



1. In a floor furnace, an inner casing comprising, sheet metal end and side walls, individual

liner sections for said walls having the adjacent side edges of adjacent liner sections unconnected and completely spaced from said casing and from each other to permit independent movement of the liner sections relative to each other responsive to uneven expansion and contraction of the liner sections with respect to said walls of the inner casing when the floor furnace is in operation.

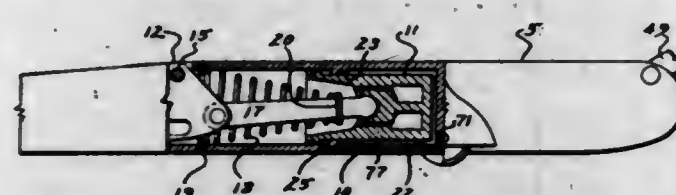
2,387,940

HYDRAULIC JACK

Herbert E. Page, Alhambra, Calif.

Application August 21, 1944, Serial No. 550,332

7 Claims. (Cl. 254-8)



2. In a hydraulic jack having a cylinder, a piston therein, a swingable load-lifting arm movable in response to movement of the piston and hydraulic fluid pressure-generating means for supplying pressure to move the piston during load-lifting movement of the arm, hydraulic means for imparting a limited preliminary outward movement of the piston to cause movement of the arm into initial contact with the load, comprising an auxiliary pressure chamber in the cylinder to which an inwardly facing annular surface of the piston is exposed, a body providing a surge chamber having a valve-controlled outlet communicating with the auxiliary pressure chamber and a valve controlled inlet communicating with the pressure-generating means, a plunger in the surge chamber, a compression spring urging the plunger in a direction to yieldably oppose admission of fluid under pressure to the surge chamber through said inlet and to force fluid under pressure from the surge chamber to the auxiliary pressure chamber; valve means for releasing pressure supplied to move the piston during the load-lifting movement of the arm, and mechanical means for lowering the arm from contact with the load, the last-named means comprising a spring normally urging the piston inwardly of the cylinder.

2,387,941

PUMPING SYSTEM

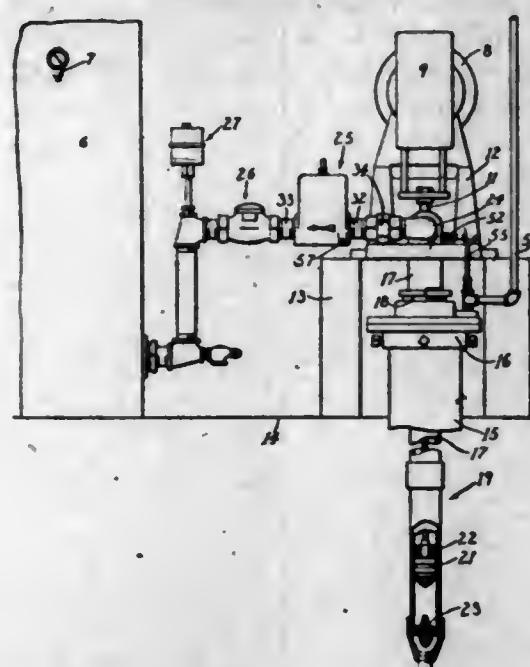
Glenn A. Patterson, Davenport, Iowa, assignor to Red Jacket Manufacturing Co., Davenport, Iowa, a corporation of Iowa

Application April 10, 1943, Serial No. 482,546

8 Claims. (Cl. 103-6)

1. The combination in a water system of a pressure storage tank, a pump for delivering water to said tank, a conduit connecting said pump to said tank to conduct said water thereto, said conduit including an air chamber having inlet and outlet openings adjacent the bottom thereof in different walls, a transverse partition disposed across said air chamber between said openings extending upwardly to a plane adjacent the top of said chamber, said partition having a relatively small opening adjacent the bottom for water to drain slowly from the outlet side of said partition to the inlet side thereof, a check valve for preventing return flow of water through said conduit, a snifter valve at an elevated point in said chamber for admitting air to said chamber when said pump is stopped and preventing the egress of air therefrom when said pump is operating to cause the air thus admitted to said chamber

to be carried into said tank by the water delivered by said pump, and means providing a bleeder or-



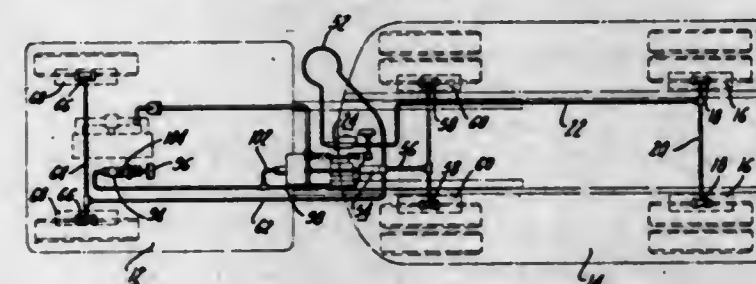
2,387,942

TRACTOR-TRAILER BRAKING SYSTEM

Earl R. Price, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application June 3, 1944, Serial No. 538,643

4 Claims. (Cl. 188-3)



1. A power braking system for a tractor and trailer vehicle combination comprising brakes on the tractor, hydraulic means for operating the tractor brakes, brakes on the trailer, hydraulic means for operating the trailer brakes, a large displacement master cylinder operatively connected to both of said hydraulic means, said master cylinder having sufficient displacement to operate both tractor and trailer brakes, a power cylinder adapted to create pressure in said master cylinder, valve mechanism, controlling said power cylinder, a hydraulic motor operating said valve mechanism, a manually operable low displacement, master cylinder in communication with said motor to actuate the same, an expansible chamber also in communication with said manually operable master cylinder, said expansible chamber being operatively associated with the large displacement master cylinder in such a way that the pressure of liquid in the expansible chamber increases the pressure in the large displacement master cylinder and the volume of the expansible chamber increases proportionately to the decreasing volume of the large displacement master cylinder, a compensating passage associated with a liquid reservoir and in communication with the manually operable master cylinder when the piston of the same is in retracted position, and a second compensating passage independent of the first and arranged to provide communication between a liquid reservoir and the large displacement master cylinder when the piston of the same is in retracted position.

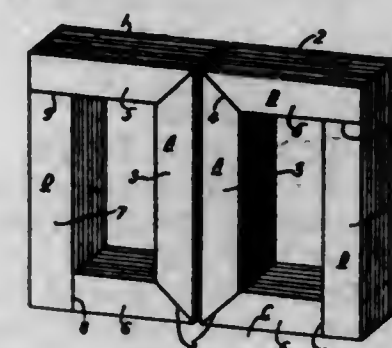
2,387,943

MAGNETIC CORE STRUCTURE

Henry V. Putman, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 25, 1943, Serial No. 480,462

11 Claims. (Cl. 175-356)



1. In a magnetic core structure for electrical induction apparatus, in combination, a core loop forming a magnetic circuit surrounding a rectangular window and including a winding leg member along one side of the window formed of a plurality of sheets of magnetic material having preferred greater permeability and lower watts loss in the direction of rolling than in other directions and so positioned in the structure that the direction of magnetization corresponds to the direction of rolling, the winding leg member of the core being formed as a solidly held bundle of superimposed layers of sheet material with intervening bonding layers of an adherent insulating bond between the sheets, each bonding layer adhering to both of the sheets between which it is disposed whereby the bundle of sheets are solidly held together as a unitary structure, the material surrounding the other three sides of the window and connecting the ends of the winding leg being formed of stacked sheets of steel having lower permeability and higher watts loss per unit volume in the direction of magnetization than the material in the winding leg.

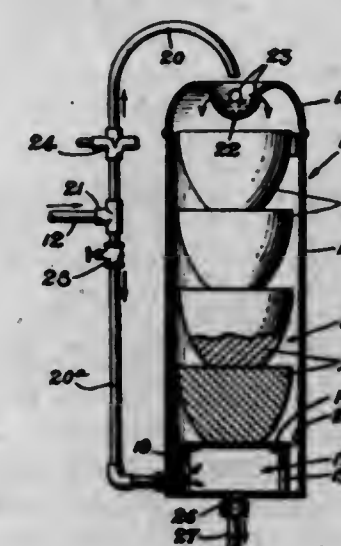
2,387,944

DISPENSER FOR WASHING COMPOUNDS

Sydney A. Raymond, Chicago, Ill., assignor to Clean-ite Chemical Co., Chicago, Ill., a corporation of Illinois

Application April 23, 1943, Serial No. 484,224

7 Claims. (Cl. 299-84)



1. A dispensing apparatus of the character set forth comprising, in combination, a holder for water soluble briquettes, means for supplying a regulated quantity of water for passage downwardly over said briquettes to form a strong primary solution, a lower mixing chamber having an inlet for said solution and a lower outlet, and means for supplying a relatively large quantity of water under pressure to said chamber for ad-

579 O. G.-52

mixture with the primary solution, the inlet to said chamber permitting the free flow of the primary solution to the chamber, and the outlet from the chamber being relatively restricted.

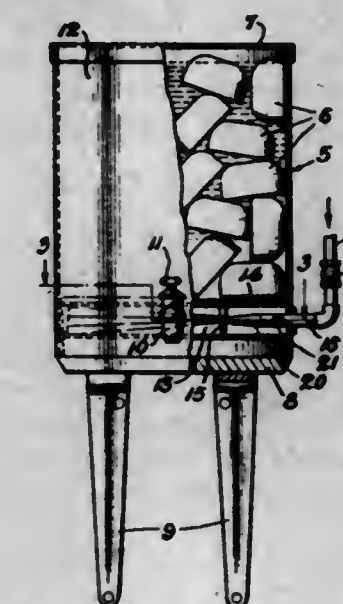
2,387,945

DISPENSING APPARATUS

Everett Earl McDow, Wilmette, Ill., assignor to Antiseptol Company, Inc., Chicago, Ill., a corporation of Illinois

Application July 29, 1944, Serial No. 547,170

9 Claims. (Cl. 299-84)



1. A dispensing device comprising, in combination, a tank having an opening at its upper end for the reception of washing compound in briquette form, partitioning means dividing said tank into upper and lower chambers, said partitioning means permitting free flow of liquid between said chambers while confining said briquettes to the upper chamber, a manually controlled outlet from said lower chamber, means for introducing a supply of water into said lower chamber to substantially fill the tank, and means for directing the flow of incoming water so as to produce a swirling action effective to scour out any solid material deposited in the lower chamber and thereby prevent obstruction of said outlet.

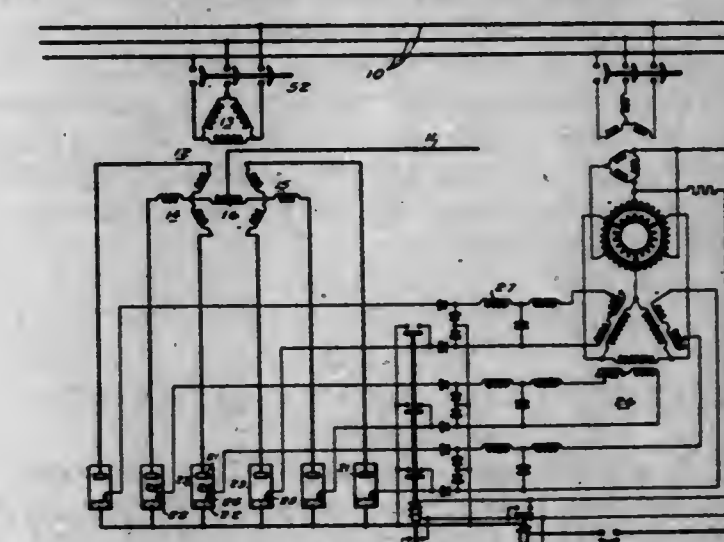
2,387,946

VAPOR-ELECTRIC DEVICE

Herbert A. Rose, Pittsburgh 21, and Joseph H. Cox, Forest Hills, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 15, 1942, Serial No. 469,108

9 Claims. (Cl. 175-363)



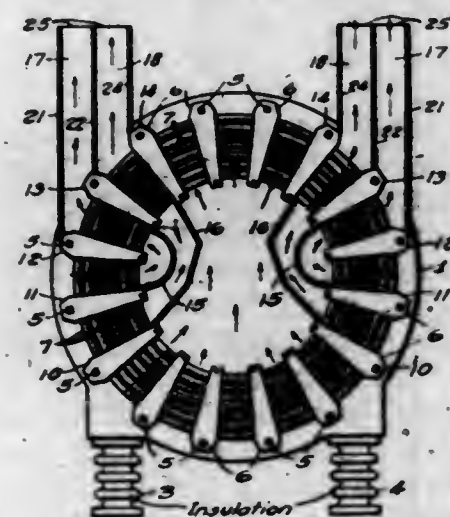
1. An electric translating device interconnecting a polyphase A. C. circuit and a direct current circuit comprising a transformer having a polyphase winding connected to the alternating-cur-

rent circuit, a plurality of polyphase windings electrically insulated from said first-mentioned winding, interphase transformer means electrically connected between said plurality of polyphase windings and to one side of said direct-current circuit and being energized by the current flowing between the circuits, an electric valve of the make-alive type between each phase terminal of said plurality of windings and the other side of the direct-current circuit, a make-alive electrode for each of said valves, impulsing means for periodically impressing make-alive potential on said make-alive electrodes, means for suppressing the flow of current from said impulsing means to the make-alive electrodes of the valves connected to the phase terminals of one of said polyphase windings and load responsive means for actuating said suppressing means.

2,387,947

MEANS FOR COOLING CURRENT LIMITING REACTORS

Louis E. Sauer, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 27, 1943, Serial No. 477,402
9 Claims. (Cl. 175-356)



1. In an air core reactor, vertical disc shaped end members, a plurality of layers of electric conductor disposed between the end members forming a cylindrical winding surrounding a central open space and mounted with its axis positioned horizontally, the separate turns of the conductor being spaced from one another to permit the free flow of a cooling medium therebetween, a plurality of stacks of cleats positioned between the several layers of conductor, the cleats of each stack extending radially of the winding forming radial barriers spaced about the winding extending between the central space and the outer area about the winding, barriers within the central space positioned to divert a cooling medium passing inwardly between adjacent stacks of cleats upwardly and outwardly through a passageway between adjacent stacks of cleats to provide a tortuous path for the cooling medium inwardly and outwardly between the winding turns and in an upwardly direction.

2,387,948

ALKYLATION OF AROMATIC HYDROCARBONS

Raymond E. Schaad, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application February 11, 1942,

Serial No. 436,490

13 Claims. (Cl. 260-671)

1. A process for producing aromatic compounds having a higher number of carbon atoms per

molecule than the aromatic compound from which they are derived which comprises subjecting an aromatic compound and an olefinic hydrocarbon to contact under alkylating conditions in the presence of a catalyst containing as its essential catalytically active component an acid phosphate of a metal selected from the members of the right-hand column of group II of the periodic table.

2,387,949

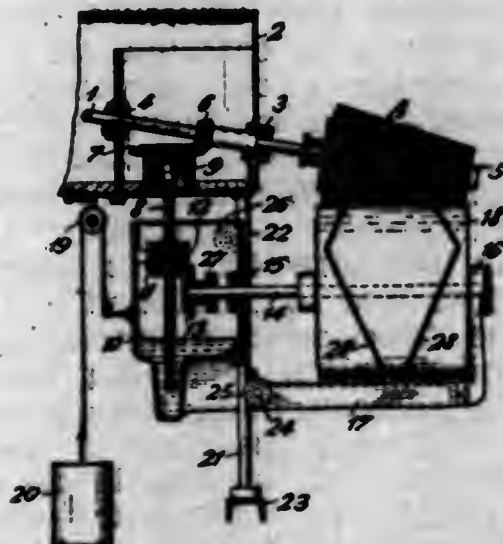
WINDING MACHINE

Walter Siegenthaler, Erlenbach, Zurich, Switzerland, assignor to Maschinenfabrik Schärer, Erlenbach, Zurich, Switzerland

Application May 10, 1944, Serial No. 534,932

In Switzerland August 7, 1943

8 Claims. (Cl. 242-43)



1. In a machine for winding a thread package, a driven winding spindle for supporting a thread package, a thread guide drum engaging said package, positive driving means, independent of the cooperation between the drum and package, drivingly connected between said winding spindle and said guide drum for concomitantly rotating said two cooperative parts, means for adjusting the position of one of said two cooperative parts relative to the other part in accordance with the growth of said package, and means for urging said drum against said package.

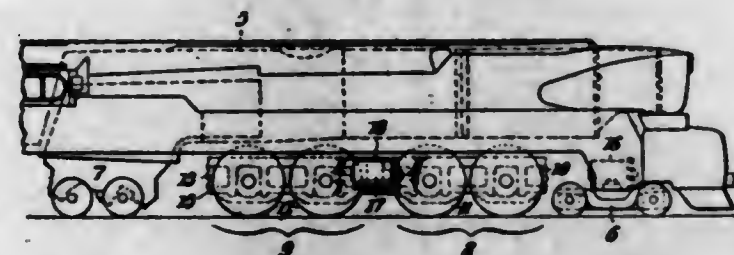
2,387,950

STEAM LOCOMOTIVE

Gustav Arent Silversparre, Norbeth, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania

Application December 27, 1943, Serial No. 515,657

3 Claims. (Cl. 105-172)



1. A steam locomotive having two groups of driving wheels at each side thereof; a journal frame for the axles of the several drivers; and serially arranged front and rear cylinders for actuating the respective driver groups, each rear cylinder being supported outward of the frame by a lateral projection of which the longitudinal dimension is considerably less than the length of said rear cylinder, with resultant provision of relatively deep clearances for projection thereinto of the peripheries of the contiguous wheels of the two driver groups at the corresponding side of the locomotive.

2,387,951

HANGER

Charles A. Slater, Arley D. Carpenter, and Ebe R. Shaw, Los Angeles, Calif.

Application September 20, 1944, Serial No. 554,916

2 Claims. (Cl. 248-68)



1. A hanger as disclosed including a hanger bar provided with slots therein, over which bar may be extended cables, U-shaped clamp straps extended over said cables, respectively, and their ends extended through said slots, respectively in said hanger bar, and means engaging said hanger bar for drawing said clamp straps against said cables for clamping said cables on said hanger bar.

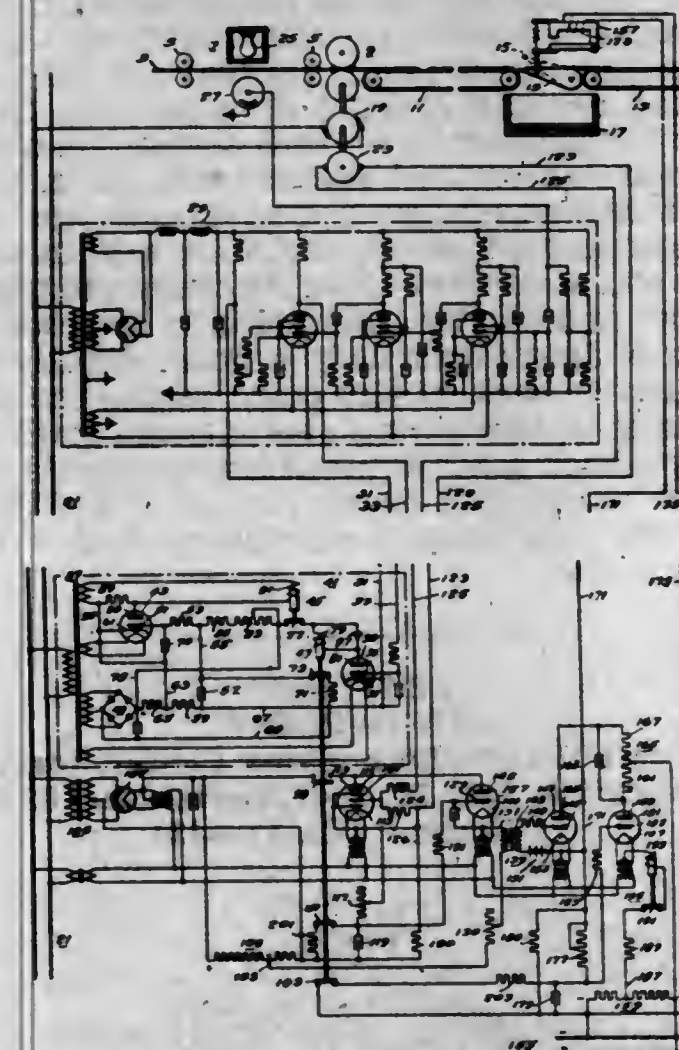
2,387,952

ELECTRONIC TIMING SYSTEM FOR SORTING APPARATUS

Clyde E. Smith, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 29, 1941, Serial No. 404,527

11 Claims. (Cl. 250-41.5)



1. A control circuit for operating mechanism for designating heterogeneous portions of moving material comprising, charge-storing means, means connected to said storing means for charging said storing means at a rate dependent upon the speed of said material, means connected to said charging means and responsive to a heterogeneity in said material to initiate charging of said storing means by said charging means, actuating means for said designating mechanism, a capacitor, means connected to said actuating means and said capacitor for supplying energy thereto simultaneously, means responsive to the charge on said storing means connected to said energy supply means for initiating the supply of energy from said supply means to said actu-

ating means and said capacitor when the charge on said storing means attains a preselected magnitude, and means connected to said supply means and responsive to a charge of a predetermined magnitude on said capacitor for interrupting the supply of energy to said actuating means.

2,387,953

TRAFFIC SIGNAL

Willard B. Terry, Salt Lake City, Utah

Application July 29, 1943, Serial No. 496,609

2 Claims. (Cl. 177-329)



2. A signal device comprising a windshield wiper mounted at the rear window of an automobile, said wiper to clean the window; and a direction indicating arrow mounted at the top end of said windshield wiper to indicate a turn is intended; and a means to illuminate said arrow.

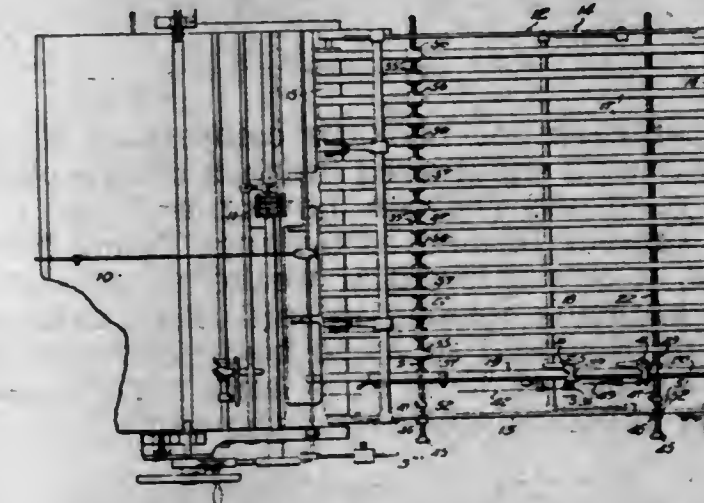
2,387,954

PAPER FEEDING APPARATUS

Robert J. Thompson, Harrisburg, Pa., assignor to The W. O. Hickok Mfg. Co., Harrisburg, Pa., a corporation of Pennsylvania

Application April 7, 1944, Serial No. 529,963

14 Claims. (Cl. 271-49)



1. In a paper feeding apparatus, having a conveyor for moving paper linearly in a given direction and a paper-edge engaging guide extending in said direction, means normally fixed with respect to said guide for supporting it for movement transversely of said direction, and means constructed and arranged to be fixed in adjusted positions with respect to said guide transversely of said direction, said last named means constituting a stop and engageable with a stationary element for limiting movement of said guide to a predetermined adjusted position transversely of said direction.

2,387,955

TAMPERPROOF CLOSURE

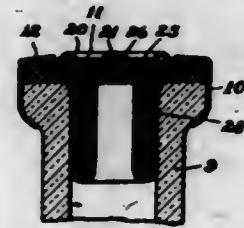
Donald H. Tilson, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application January 8, 1942, Serial No. 426,005

5 Claims. (Cl. 215-33)

1. A closure combination comprising a sealing member adapted to be pierced readily by a needle,

a rupturable outer closure and an apertured reinforcing element, said outer closure having a top panel cut to form a tab partially severed therefrom but integral therewith at rupturable bridges, said reinforcing element being disposed between said top panel and said sealing member, said tab having a marginal bead and a longitudinal



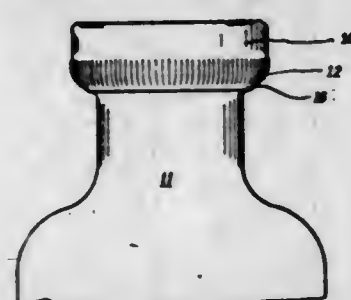
rib merging into said bead intermediate a pair of said bridges so located that the aperture in said reinforcing element can be exposed upon lifting of said tab only by rupturing one or more of said bridges, said tab and said sealing member being thereby protected respectively from undetectable lifting and undetectable perforation.

2,387,956

TAMPERPROOF CLOSURE

Donald H. Tilson, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Original application January 8, 1942, Serial No. 426,005. Divided and this application May 29, 1942, Serial No. 444,953

5 Claims. (Cl. 215—38)



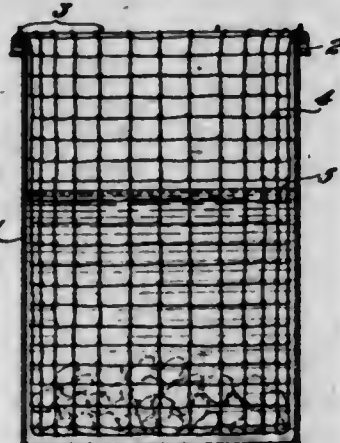
1. A tamperproof package comprising a container having a shouldered finish, a drawn pliable closure reformed thereon having a lower skirt portion thereof formed as a flange beneath said shoulder, a circumferential weakened section of vertical knurling formed in said skirt, said section being disposed so as to begin substantially at the bottom of said skirt and traverse said flange to substantially above the same.

2,387,957

METHOD OF INHIBITING ODORS

Daniel Topjian, Watertown, Mass.
Application August 11, 1944, Serial No. 549,094

5 Claims. (Cl. 21—55)



1. Method of inhibiting the emission of odor by organic offal, which comprises as steps providing a fluid body comprising an aqueous solution of glycerine and sodium chloride each in

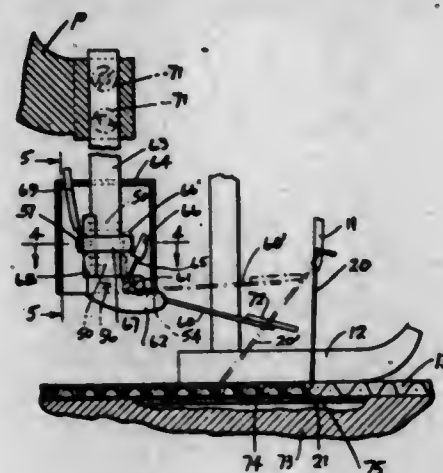
from 25 to 30% concentration, immersing the offal substantially as it is produced in said body of fluid, and at intervals removing the collected offal from the fluid body and disposing of it.

2,387,958

STOP MOTION DEVICE FOR SEWING**MACHINES**

Edward Vossen, Brooklyn, N. Y., assignor to Stop-Motion Devices Corporation, Brooklyn, N. Y., a corporation of New York
Original application February 12, 1944, Serial No. 522,061. Divided and this application February 23, 1945, Serial No. 579,410

6 Claims. (Cl. 112—219)



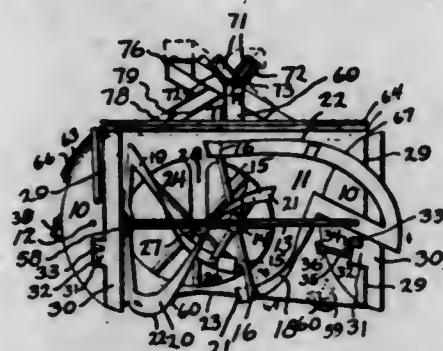
1. A stop motion device for a sewing machine, comprising a bracket for attachment on the head of a sewing machine, a vertical rod adjustably mounted on said bracket at a position in back of the pressure foot of said sewing machine, a foot mounted on said vertical rod, an insulation block mounted on said rod at a point above said foot, a spring contact mounted on said insulation block, and a contact lever pivotally mounted on said foot and having a horizontally disposed front arm extending forwards to a point slightly above and slightly back of the point where the needle or needles of the sewing machine are sewing and having a back arm for moving against said spring contact when said front arm is lifted by the needle threads because of failure to lock with the bobbin threads.

2,387,959

SNOWPLOW

Evert Wandscheer, Sioux Center, Iowa
Application July 14, 1941, Serial No. 402,270

1 Claim. (Cl. 37—43)



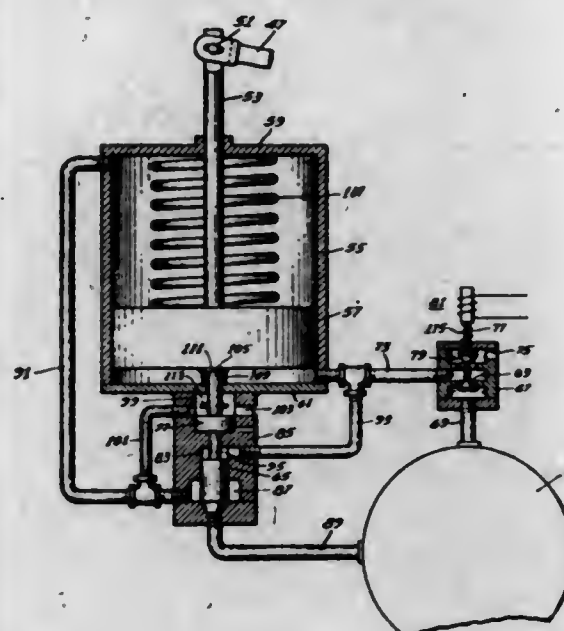
A snow plow comprising a forward generally semi-cylindrical horizontal casing, a shaft journaled within said horizontal casing, said shaft carrying oppositely pitched spiral blades attached at either end of the shaft and passing helically toward the center of the horizontal casing, said blades being of limited width, and being spaced a substantial distance from the shaft, a fan casing communicating with said generally semi-cylindrical casing, the inner ends of said blades overlapping the center of the horizontal casing.

2,387,960

OPERATING MECHANISM

Herbert J. Webb, Forest Hills, Pa., and George E. Saunders, Arlington, Va., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 10, 1942, Serial No. 461,562

14 Claims. (Cl. 121—38)



1. An operating mechanism comprising a fluid motor operable between two extreme positions, an inlet valve operable to admit fluid under pressure to said motor to cause operation of said motor to a first extreme position, a second inlet valve operable by fluid pressure mechanically independently of said first named inlet valve to admit fluid under pressure to said motor for operating said motor to a second extreme position, and means operable by the motor when said motor moves to said second extreme position to positively close said second named inlet valve.

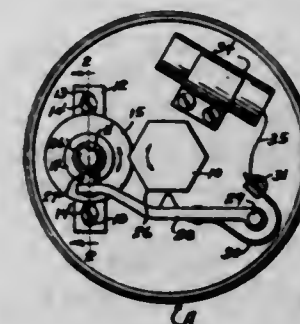
2,387,961

REVOLVING ELECTRICAL CONTACT POINT

Adolph K. Wihanto, Boston, Mass.

Application December 13, 1943, Serial No. 514,123

2 Claims. (Cl. 200—30)



1. A device of the kind described, comprising a rotor forming a timing cam, a rotatable contact having an elastic wheel impinged by the cam for rotation thereby through frictional engagement with the wheel, and a make and break contact movably supported for engaging the rotatable contact and intermittently actuated by the cam.

2,387,962

ANTIFRICTION BEARING

Arthur H. Williams, Riverside, Ill., assignor to Shafer Bearing Corporation, Chicago, Ill., a corporation of Illinois
Application September 28, 1942, Serial No. 459,891

5 Claims. (Cl. 308—214)

1. An antifriction bearing comprising inner and outer race members, one of which has a substan-

tially spherically curved bearing surface, two rows of oppositely inclined bearing rollers coating therebetween, a guide ring rotatably supported by said one of said race members in freely movable relation thereto and interposed between said rows of rollers to guide the same, and separate retaining members for said two rows of rollers, said retaining members being provided with individual roller openings of less width than the diam-



eter of the rollers at corresponding locations, whereby said retaining members are supported solely by the respective rows of rollers and entirely independently of each other during the initial stages of service of the bearing and as long as the roller openings retain substantially their original dimensions, and said retaining members respectively comprising portions overlying said guide ring and having clearance with respect thereto.

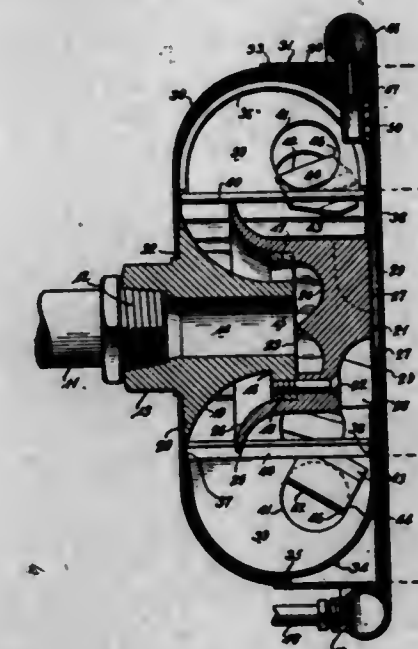
2,387,963

FIRE EXTINGUISHING METHOD AND APPARATUS

Hilding V. Williamson, Chicago, Ill., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation of the United States.

Application December 15, 1943, Serial No. 514,417

21 Claims. (Cl. 169—11)



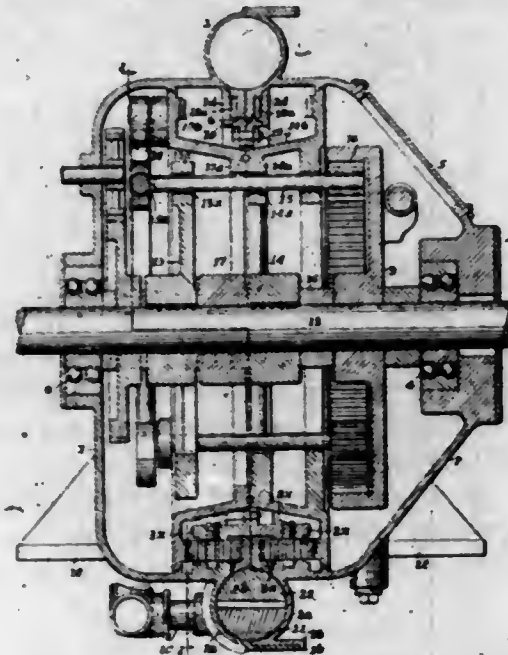
1. A method of discharging a fire extinguishing medium, comprising conducting liquid carbon dioxide to a region of release, permitting sudden expansion of the liquid to produce snow and vapor, projecting the snow and vapor into the atmosphere in the form of a stream, generating water fog entirely independently of any force exerted by the projected snow and vapor and at a location that is completely surrounded by the carbon dioxide stream so that the voids between the droplets of the fog will be filled with carbon dioxide, and so projecting the water fog that it will be carried to the point of application by the carbon dioxide stream.

2,387,964

ROTARY ENGINE

Harry F. Wolstenholme, Paterson, N. J.
Application August 3, 1944, Serial No. 548,605
4 Claims. (Cl. 121-49)

1. In combination, a rotary engine stator having an annular portion including, coaxially related to each other, an annular cylinder and an annular race continuously open to each other, the part of said portion which provides the race being split remote from the cylinder and continuously around the common axis of said cylinder and race and thereby providing opposed margins, means to confine said margins against movement apart,

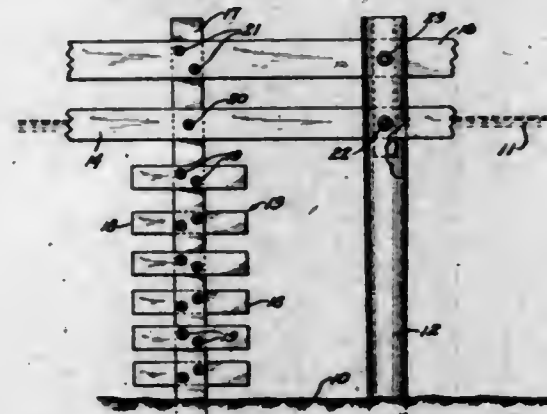


a driven rotor element coaxial with and exterior of the cylinder, an annular driving rotor element coaxial with the cylinder and arranged in said race and having an abutment extending into the cylinder, and a rotary transmission member journaled in the stator on a fixed axis and in tractive engagement with the driving and driven elements.

2,387,965

ART OF BEACH PROTECTION

Sydney M. Wood, Lake Bluff, Ill.
Application February 19, 1944, Serial No. 523,062
8 Claims. (Cl. 61-4)

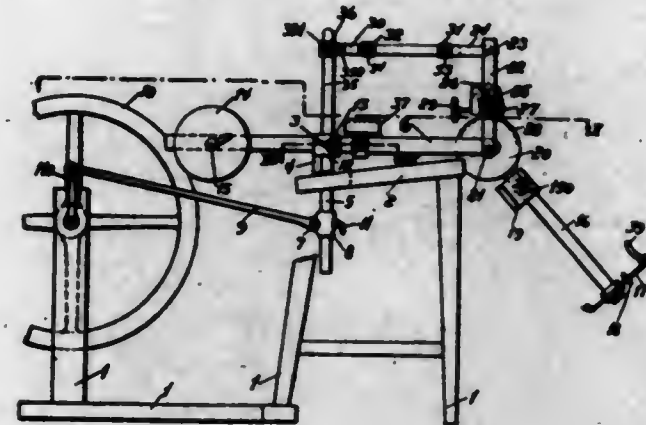


4. A jetty comprising a row of pre-assembled vertically disposed units, each unit including a vertical member having its lower portion extending into the ground and each unit having a plurality of short horizontal members connected thereto in superimposed spaced relationship, said short horizontal members being grouped on that portion of each vertical member which is normally below the water level and extending from adjacent the bottom upwardly to adjacent the surface, at least some of the units having the short horizontal members so positioned with respect to adjacent horizontal members as to provide for less permeability near the bottom than near the surface, and means connecting the upper portions of the vertical members to each other.

2,387,966

GYMNASTIC APPARATUS FOR MOBILIZING STIFF JOINTS

Gustaf Richard Zander, Stockholm, Sweden
Application December 21, 1943, Serial No. 515,140
In Sweden October 2, 1942
6 Claims. (Cl. 272-57)



1. A gymnastic apparatus for mobilizing joints, comprising, in combination, a frame, a stationary shaft in said frame, a system of articulately connected levers rockable on said shaft, a fly-mass connected with said system of levers, a bar articulately connected with said system of levers, holders on said bar for one part of the body at the joint to be mobilized, the part of the patient's body on the other side of said joint being placed along said system of levers, and a setting mechanism for setting the angle between said bar and said system of levers and thus for controlling the relative motion between them.

2,387,967

TABBING CEMENT

Henry Zimmerman, St. Louis, Mo.
No Drawing. Application October 2, 1943,
Serial No. 504,723
2 Claims. (Cl. 260-32)

1. A tabbing cement having as a base a water emulsion of polyvinyl acetate and a plasticizer to which is added an agent which materially increases the tenacity of a film formed from the cement comprising a polyhydroxy alcohol selected from the class consisting of glycol and glycerol.

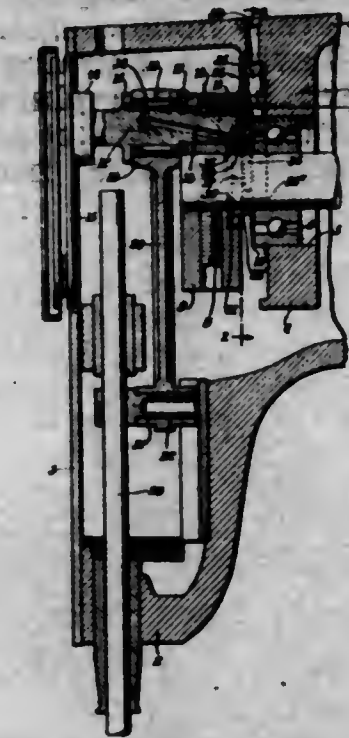
2,387,968

LUBRICATING DEVICE FOR SEWING MACHINES

Sydney Zonis, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application December 9, 1943, Serial No. 513,567
7 Claims. (Cl. 112-256)

1. In a sewing machine, a frame including a wall provided with an opening, an antifriction bearing disposed in said opening, a rotary shaft extending through said opening and journaled in said bearing, a crank-member carried by said shaft at one side of said wall and provided in its face proximate to said wall with an oil-collecting recess, a crank-pin carried by said crank-member, a connection-element journaled upon said crank-pin, a plate secured upon said wall and having a portion thereof extending into said oil-collecting recess of the crank-member, an oil-well provided in said plate above the level of said oil-collecting recess, an oil-duct in said plate con-

necting said oil-well and said oil-collecting recess, and oil-conducting means connecting said

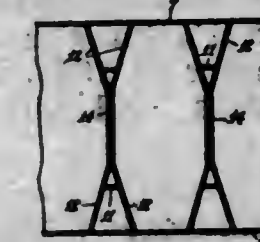


oil-collecting recess and the connection-element bearing upon said crank-pin.

2,387,969

SUPPORTING COLUMN FOR TANKS AND THE LIKE

Lewis Albrecht, Mahwah, N. J.
Original application May 26, 1938, Serial No. 210,176. Divided and this application August 18, 1942, Serial No. 455,189
6 Claims. (Cl. 220-71)



1. A tank or like structure comprising a pair of opposed spaced plate members of broad expanse inherently tending to bulge and buckle under the stresses incident to its use, and means for mutually supporting and restraining said plate members against such relative displacement and distortion under said stresses, said means comprising a multiplicity of attenuate compression-tension members each spanning the space between said plate members and each rigidly terminally attached to both of said plate members at distributed points thereon and disposed in inwardly converging groups the component members of each group of which are integrally merged for a portion of their intermediate extent defining a unitary trunk resisting collective compressive and tensional stresses imposed upon the individual component members of each group by the displacement and distortion tendencies of said plate members.

2,387,970

THERMAL DEPOSITION OF METALS IN A VACUUM

Paul Alexander, Berkhamsted, England
Application July 18, 1942, Serial No. 451,468
In Great Britain September 16, 1941
8 Claims. (Cl. 117-107)

1. In a process of depositing on a support a bright film of a metal, selected from the group consisting of gold, nickel, cobalt, iron, copper,

aluminium, chromium and silver, which is deposited by thermal evaporation in a vacuum, the steps of continuously maintaining liquid a mixture of a metal, selected from the group consisting of platinum and palladium, and a small percentage of the said metal to be evaporated, ex-

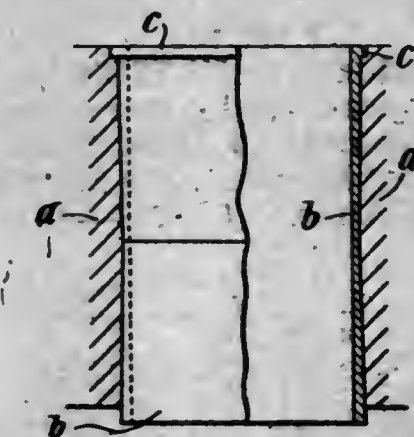


posing said support to the vapour from said mixture, and maintaining the percentage of said metal to be evaporated approximately constant in said mixture by feeding the metal to be evaporated into the said mixture at a rate equal to the rate of evaporation of said metal to be evaporated.

2,387,971

CYLINDER LINER AND CYLINDER

Frank Metcalf Aspin, Bury, and Frederick Ellinghouse, Solihull, England
Application January 11, 1943, Serial No. 471,982
In Great Britain January 14, 1942
10 Claims. (Cl. 309-3)



7. A liner for a cylinder of an internal combustion engine, having a relatively lower coefficient of expansion than the cylinder, the liner being preformed and having on its exterior cylindrical engaging surfaces an intermediate cylindrical portion and tapered axially from the intermediate cylindrical portion in two directions, the intermediate cylindrical portion and the tapered portion having diameters adapted to form with the cylinder walls a relative interference fit having pressures which are in a gradient in two directions axially.

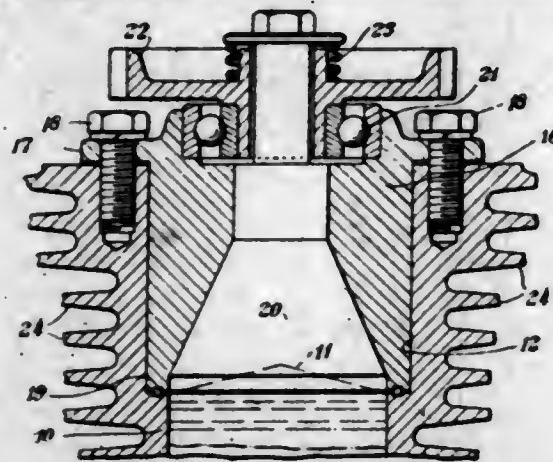
2,387,972

CYLINDER HEAD OF INTERNAL-COMBUSTION ENGINES

Frank Metcalf Aspin, Bury, England
Application May 19, 1943, Serial No. 487,614
In Great Britain May 27, 1942
1 Claim. (Cl. 123-80)

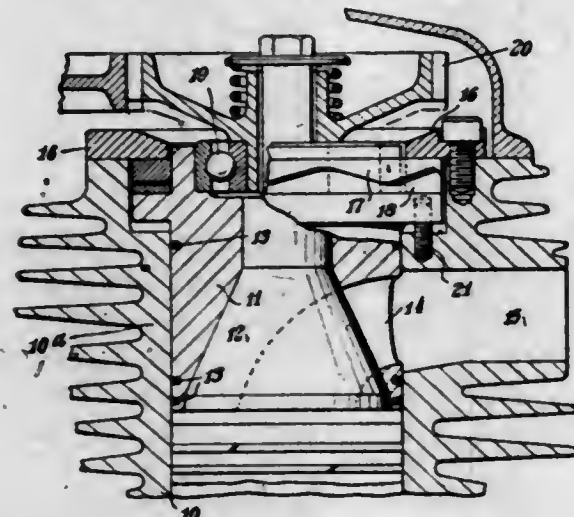
An internal combustion engine comprising a cylinder having an extension provided with a cylindrical recess of larger diameter than the diameter of the cylinder bore forming a ledge at the junction of said two diameters, and provided in the ledge with a ring holding annular groove, a detachable cylinder head embodying a valve and consisting of a plug-like unit fitting into said cylindrical recess, said unit being provided at the outer end with a securing flange and having a ring groove at its inner end face complementary to that in said ledge, the valve of the plug-like unit terminating short of the inner end of the

unit and said inner end and the complementary face of the ledge being directly exposed to the pressure of the gas of an explosive charge, a non-yielding gas-sealing ring located in said grooves and of a greater thickness than the combined depth of said grooves and maintaining the same in spaced relation, adjustable fastening means



for securing said securing flange to said cylinder extension, the length of said unit up to said securing flange relative to the depth of said recess being such that the unit may be tightened down onto said ring by said adjustable fastening means with the desired pressure, and a ring of material compressed between the securing flange and the extension of the cylinder.

2,387,973
INTERNAL-COMBUSTION ENGINE
Frank Metcalf Aspin, Bury, England
Application September 15, 1943, Serial No. 502,450
In Great Britain June 25, 1942
10 Claims. (Cl. 123-48)

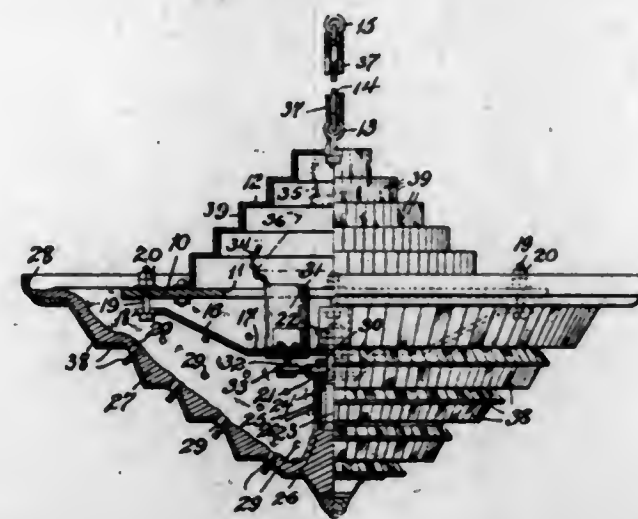


2. An internal combustion engine having a cylinder, a plug-like unit axially movable at the combustion end of the cylinder for varying the volume of the combustion space whilst the engine is running and in which engine the volume of the combustible charge supplied to such combustion space is variable, and means for moving the said plug-like unit axially to vary the volume of the said combustion space proportionally with the volume of the said charge, said means including complementary and relatively rotatable face-cams for moving the plug-like unit itself, throttle mechanism for varying the volume of the combustible charge supplied to the engine and coupling means connecting said throttle mechanism to a rotatable face cam.

2,387,974
SOUND DISTRIBUTOR
Spencer H. Barclay, Arlington, N. J.
Application June 13, 1944, Serial No. 540,116
3 Claims. (Cl. 181-31)

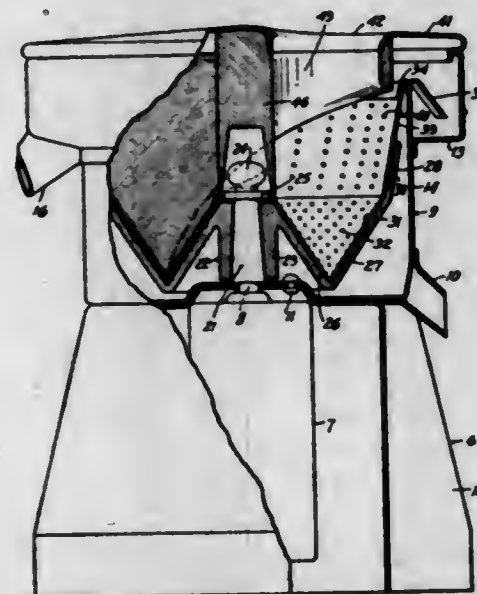
1. In a sound distributing device, a dome, a sound reproducer in said dome opening down-

wardly therein, a sounding board fixed to the lower end of said dome and having a medial aperture in registry with said reproducer, a distributor comprising a generally hollow, unitary member of tapered outline having a plurality of apertures therein, a bracket having a plurality of arms, means connected to said bracket and distributor to rotatably suspend the latter from the former



with the outer upper rim of said distributor spaced from and extending above the plane of the sounding board, means engaging said bracket and said board to enable the arms to be selectively spaced from the board at such position as is required to center the distributor thereon, and means in said device engaging the distributor to rotate the latter.

2,387,975
FRUIT AND VEGETABLE JUICER
John E. Bennett, San Francisco, Calif.
Application November 12, 1943, Serial No. 509,972
5 Claims. (Cl. 146-3)

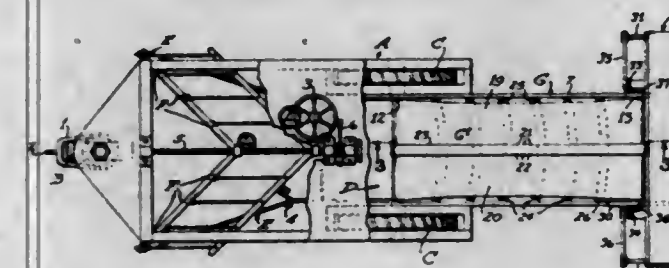


5. In a fruit and vegetable juicer, an outer casing having a liquid collection portion and a solid collection portion, a basket comprising a central hub portion having an outwardly extending integral wall portion and an outer wall joined thereto to form an annular trough concentric with said central hub portion, a perforate wall extending from said outer wall of said trough and arranged to convey the solids to the solid collection portion, macerating means on the walls of said trough, means for rotating said basket, and a feeding element over said basket and having an opening therein for admission of fruits and vegetables, said element curving downwardly in the direction of rotation to a terminal portion close to and fitting said annular trough.

2,387,976
METHOD OF FORMING CARBOXYLIC SUBSTITUTED AMINES
Frederick C. Bersworth, Verona, N. J., assignor to The Martin Dennis Company, Newark, N. J., a corporation of New Jersey
No Drawing. Application May 1, 1943,
Serial No. 485,342
10 Claims. (Cl. 260-534)

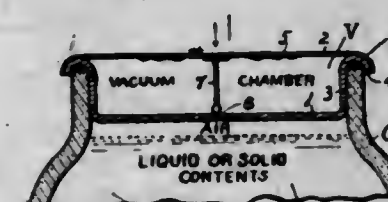
1. The method of producing carboxylic substituted amines which comprises heating an aqueous solution, containing a water soluble salt of an alpha amino acid and an aliphatic amine having at least one amino nitrogen group attached directly to an aliphatic carbon with said nitrogen group containing at least one displaceable amino hydrogen to a temperature approximating the boiling point of said solution under a refluxing condenser and under a positive pressure of uncondensable gases.

2,387,977
DITCHING MACHINE
John Stephen Blackie, Santa Cruz, Calif.
Application May 27, 1943, Serial No. 488,769
2 Claims. (Cl. 198-191)



1. In a ditching machine, an endless conveyor comprising a frame, elongated rollers mounted at the ends of the frame, sprockets mounted midway between the ends of the rollers, a sprocket chain passed around the sprockets, a plurality of sets of idler rollers extending transversely across the frame, the sets being spaced apart and arranged to form a concave-shaped belt-supporting bed, an endless conveyor belt arranged on each side of the sprocket chain and extending from the chain to the side of the frame, the belts being passed around the elongated rollers and having their upper reaches supported by the idler rollers, a central endless cover belt overlying the chain and the inner edges of the first-mentioned belts, and means for securing the central belt and the inner edges of the other belts to the chain so as to be moved thereby.

2,387,978
CLOSURE FOR VESSELS
Terrance B. Casey, Ashland, Ky.
Application July 30, 1943, Serial No. 496,800
9 Claims. (Cl. 215-38)



1. A container having air therein; a cover for said container, comprising a body to fit over the mouth of the container, and having a chamber evacuated of air one wall of which chamber is adjacent the interior of the container, and means for puncturing said wall after the body is in place on the container.

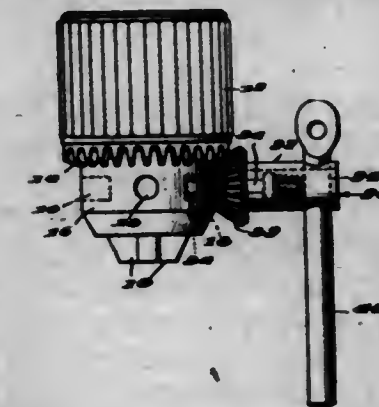
2,387,979
METHOD OF REDUCING MAGNESIUM OXIDE
Hugh S. Cooper, Cleveland, Ohio, assignor, by direct and mesne assignments, to Acme Aluminum Alloys, Inc., Dayton, Ohio, a corporation of Ohio
No Drawing. Application July 31, 1942,
Serial No. 453,051
7 Claims. (Cl. 75-67)

1. In the reduction of magnesium oxide with a metallic reducing agent at elevated temperatures and under reduced pressures, the improvement which comprises forming porous aggregates consisting of an intimate mixture of magnesium oxide and calcium silicide, each in finely divided state and in the relative proportions of one part oxide to about 2½ parts silicide and heating the said aggregates to a temperature within the range 900-1150° C. in a container closed to the atmosphere and evacuated to a pressure of less than one millimeter of mercury.

2,387,980
ELECTRICAL RESISTANCE ALLOYS
Hugh S. Cooper, Cleveland, Ohio
No Drawing. Application February 17, 1945,
Serial No. 578,539
10 Claims. (Cl. 75-124)

1. An electrical resistance alloy, said alloy consisting of from 5.25%-7.50% Al, 2-4% Cr, .25-2% Cb, balance Fe.

2,387,981
SAFETY CHUCK KEY
Cecil C. Davis, Bristol, Tenn., assignor of one-half to Frank J. Gobble, Bristol, Tenn.
Application June 21, 1944, Serial No. 541,411
4 Claims. (Cl. 81-90)



1. A safety key for chucks comprising, a first shank member, a first cylindrical bore within said first shank member, a gear positioned on the outer periphery of said first shank member, a second shank member secured to said first shank member and extending beyond said gear and adapted to seat within a socket of a chuck, a second cylindrical bore within said second shank member, a plunger slidably mounted within said second bore, a compression spring housed within said first bore having one end thereof bearing against said plunger for normally maintaining a portion of said plunger beyond said second shank member and permitting said plunger to be retracted within each of said bores when the key is used with the chuck.

2,387,982
CONTAINER HOLDER
Wilbur O. Demuth, Gnadenhutten, Ohio, assignor to The Bowerston Shale Company, Bowerston, Ohio, a corporation of Ohio
Application July 8, 1943, Serial No. 493,886
5 Claims. (Cl. 248-311)

1. A container holder comprising a plaque of substantial thickness, a recess extending through

the plaque, a projection extending from the top of the recess and located between the front and rear faces of the plaque, the projection having a thickness less than that of the plaque, the inside face of the projection being spaced from the back

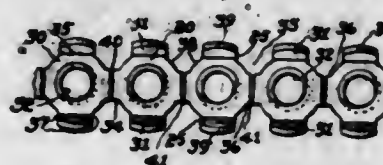


of the plaque, and ledge means below the projection and located between the front and rear faces of the plaque to engage the edge of a container to cooperate with the projection to retain the container upon the plaque.

2,387,983

MANUFACTURE OF DETACHABLE DRILL BITS

Ernest H. Dickenson, New York, N. Y., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application October 25, 1943, Serial No. 507,547
8 Claims. (Cl. 76-108)

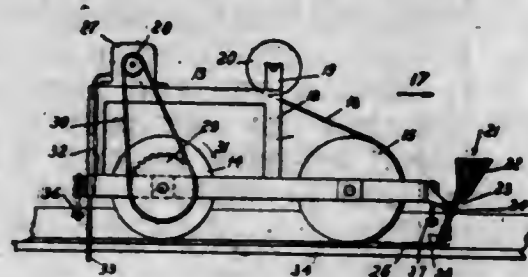


1. In a method of manufacturing drill bits of the detachable type from a metal bar, the steps of forming a plurality of groups of cutting teeth along one side of the bar, forming recesses in two opposed sides of the bar to define buttress portions on the bar for the cutting teeth, and cutting the bar between adjacent groups of cutting teeth and in the transverse planes of the recesses for dividing the bar into drill bit lengths.

2,387,984

SCREEN PRINTING

Arnold Eddy, Middletown, Conn., assignor of one-half to Hilda W. Striker, New York, N. Y.
Application March 13, 1944, Serial No. 526,208
16 Claims. (Cl. 216-20)

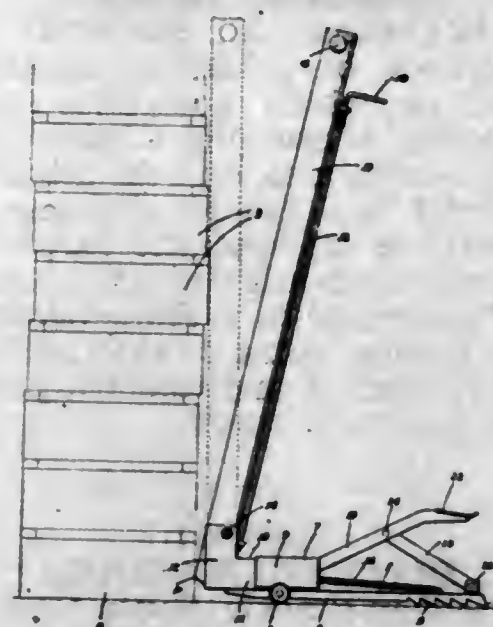


6. Method of handling a fabric during screen printing comprising the steps of coating a stationary screen printing table with a waxy adhesive coating, placing upon said waxy adhesive coating a fabric to be printed so that the same firmly adheres to the same without a possibility of unintentional slipping during printing, and removing after printing said printed fabric from said waxy adhesive coating by simply detaching it from the same.

2,387,985

STACK PUSHER

Clarence M. Ellis, Lodi, Calif., assignor of one-third to J. E. Devine and one-third to James M. Prentice, both of Lodi, Calif.
Application May 8, 1944, Serial No. 534,679
5 Claims. (Cl. 254-114)

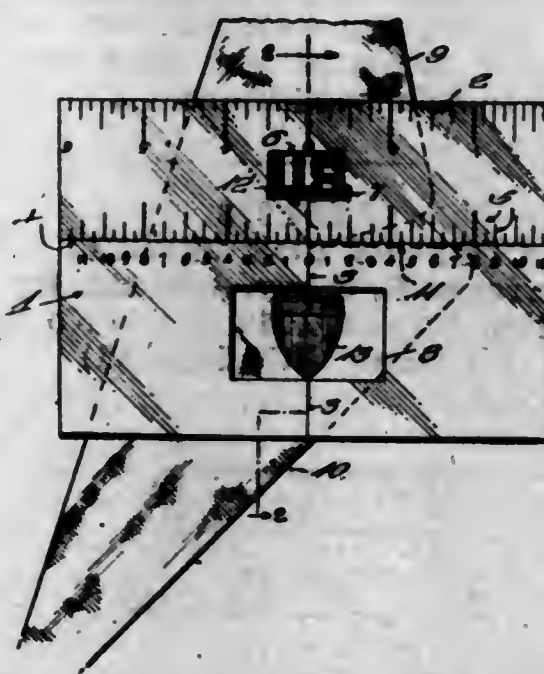


5. A pusher for a plurality of boxes stacked in superimposed relation, such pusher comprising a base adapted to be supported from a floor, means on the base to engage the floor and prevent retraction of the base, a slide mounted on the base for horizontal movement lengthwise thereof, a foot operated means to forcefully move the slide along the base in a forward direction, the forward end of the slide when advanced extending some distance ahead of the base, a tension spring interposed between the slide and base and functioning to retract the slide from forward position upon release of the slide advancing means, and an upstanding post on the slide at its forward end, such post being of a height to engage all the boxes of the stack and move them as a unit with the forward advancement of the slide.

2,387,986

INSIGNIA POSITIONING DEVICE

Henry M. Evans, Gloucester City, N. J., assignor to Lena W. Evans, Gloucester City, N. J.
Application November 17, 1943, Serial No. 510,693
4 Claims. (Cl. 33-180)



1. A device of the class described, comprising a transparent plate member having a central vertical line marked thereon and also having a horizontal line marked transversely thereon at a predetermined location, said horizontal line having graduations extending from opposite sides

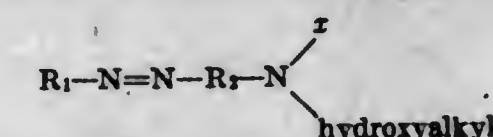
of said center line, said plate being also provided with an upper opening and a lower opening transversely centered with respect to said central vertical line and positioned respectively above and below said horizontal line an equal predetermined distance therefrom.

2,387,987

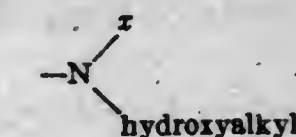
NITRO SULPHATO AZO DYES

Friedrich Felix, Basel, Switzerland, and Werner Zürcher, deceased, late of Basel, Switzerland, by Josef Zürcher, administrator, Horgen, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application May 1, 1942, Serial No. 441,376. In Switzerland January 5, 1939
6 Claims. (Cl. 260-205)

1. A process for the manufacture of an azo-dyestuff, which comprises treating with a nitrating agent in presence of a sulphonating agent a monazo-dyestuff which is free from sulphonic and carboxylic groups and corresponds to the formula



wherein R_1 and R_2 stand for nuclei of the benzene series, wherein x stands for a member of the group consisting of hydrogen and an unsubstituted alkyl and wherein furthermore the radical R_1 contains in a position which is different from the ortho-position to the $-N=N-$ group one nitro group, and wherein the atomic groupings $-N=N-$ and



stand in para-position to one another.

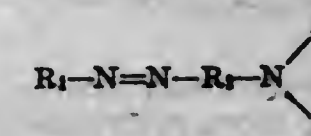
2,387,988

NITRATION PRODUCTS OF MONOAZO DYESTUFFS

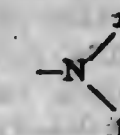
Friedrich Felix, Basel, Switzerland, and Werner Zürcher, deceased, late of Basel, Switzerland, by Josef Zürcher, administrator, Horgen, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland, a Swiss firm

No Drawing. Application August 2, 1943, Serial No. 497,094. In Switzerland January 5, 1939
7 Claims. (Cl. 260-205)

1. Process for the manufacture of azo-dyestuffs, comprising treating with nitrating agents mono-amino-monoazo-dyestuffs, which are free from sulpho groups, of the general formula



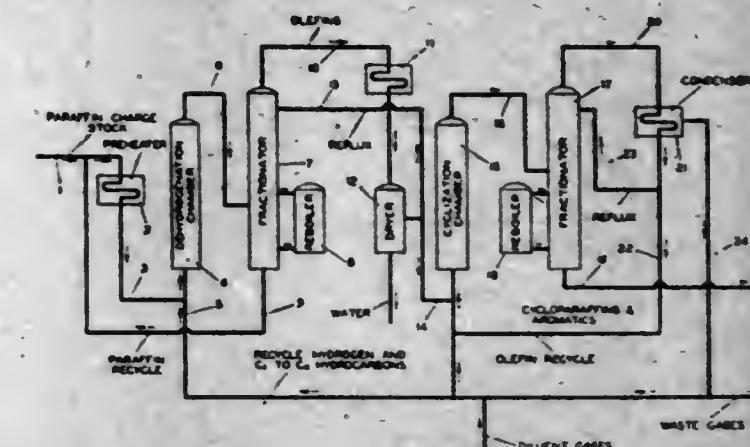
wherein R_1 and R_2 stand for nuclei of the benzene series, and x and y for a member of the group consisting of H and alkyl radicals, wherein furthermore the radical R_1 contains at least once a nitro group, and wherein the atomic groupings $-N=N-$ and



stand in para position to one another.

2,387,989

PREPARATION OF CYCLIC HYDROCARBONS
Arch L. Foster, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 12, 1942, Serial No. 446,752
3 Claims. (Cl. 260-673.5)



1. A process for the production of cycloparaffin and aromatic hydrocarbons from paraffin hydrocarbons, which comprises subjecting a C_5 to C_{12} paraffin hydrocarbon fraction in a dehydrogenation zone at a dehydrogenation temperature and pressure to the action of an aluminum chloride catalyst to convert it to an intermediate hydrocarbon material adapted for cyclization, recovering a fraction comprising C_5 to C_{12} olefin hydrocarbons from the effluent of the dehydrogenation zone and subjecting said fraction to cyclization in a cyclization zone at a cyclization temperature and pressure in the presence of an aluminum chloride catalyst to effect cyclization of a substantial portion of said olefin-containing fraction, fractionating the effluent from said cyclization zone to recover cyclic hydrocarbons therein, recovering fractions comprising a mixture of hydrogen and light hydrocarbon gases from each of said dehydrogenation and cyclization effluents and passing a portion of at least one of said fractions into each of said dehydrogenation and said cyclization zones in such amounts as to act as a diluent therein and to prevent polymerization without engendering substantial hydrogenation to the exclusion of cyclization of the olefin hydrocarbons therein, shock-cooling the effluent from said cyclization zone with a further cooled portion of one of said fractions comprising hydrogen and light hydrocarbon gases, introducing fresh aluminum chloride catalyst to said cyclization zone and circulating it therein, withdrawing a portion of the aluminum chloride catalyst from said cyclization zone and introducing and circulating it in said dehydrogenation zone, and withdrawing spent aluminum chloride catalyst from said dehydrogenation zone in an amount substantially equivalent to the amount of fresh catalyst introduced to said cyclization zone.

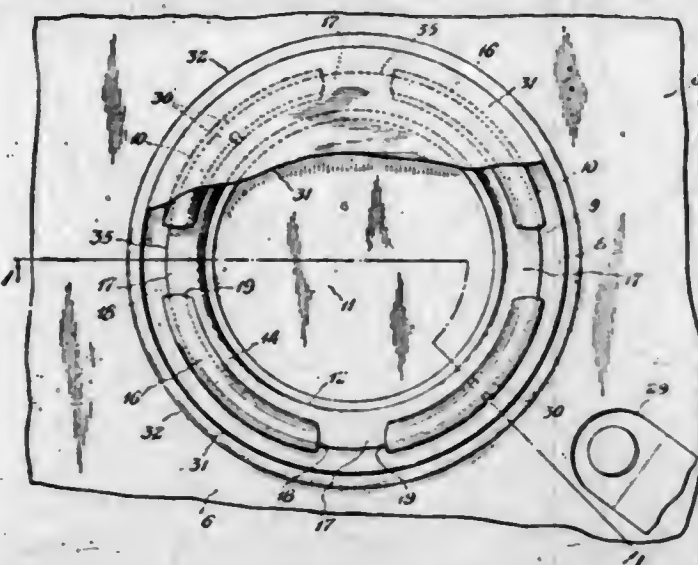
2,387,990

THREADED SHEET METAL PLUG

Walter C. Grosser, Cleveland, Ohio, assignor, by mesne assignments, to American Flange & Manufacturing Co., Inc., New York, N. Y., a corporation of Illinois
Application September 8, 1941, Serial No. 409,929
1 Claim. (Cl. 220-39)

A one piece sheet metal closure plug for containers comprising a bottom portion, an annular wall extending upward around said bottom portion, said upwardly extending annular wall being formed to zigzag shape in cross section to provide external standard V-sided pipe threads, a flange extending directly laterally and outwardly around the upper end of said annular wall in

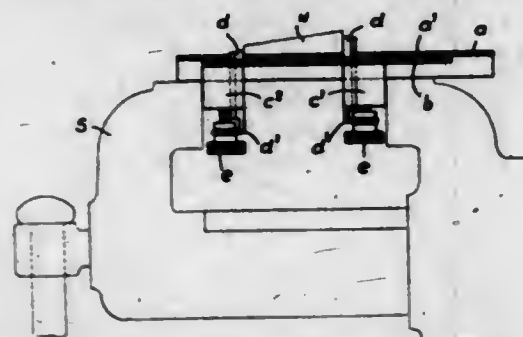
substantially a common plane to provide a gasket seat, and a reinforcing rim around said flange, said rim extending directly upwardly from the periphery of said flange, then turned inwardly and downwardly into engagement with the body of said flange at a position a substantial distance



inward from the periphery thereof, said rim having opposed downwardly diverging open ended tool engaging slots, said slots extending downwardly throughout the height of the rim to the surface of said flange, whereby a double thickness of metal is presented for engagement with an actuating tool.

2,387,991
VICE

Walter Haas, Basel, Switzerland, assignor of one-half to Elektrizitäts-Aktiengesellschaft Wädenswil, Zurich, Switzerland
Application January 11, 1943, Serial No. 472,067
In Switzerland December 12, 1941
4 Claims. (Cl. 81-38)



1. A range reducing insertion vise having a supporting plate forming a bearing surface for the workpiece and being provided with a longitudinally extending slot which is of less width than the width of the work-piece, two gripping jaws for holding the latter arranged in said supporting plate and extending through said slot, said gripping jaws being relatively movable rectilinearly toward and away from each other, and means for separately and individually adjusting each of said gripping jaws in the vertical direction with respect to said bearing surface whereby to adapt the gripping surface of each to the adjacent surface of the work-piece to be gripped.

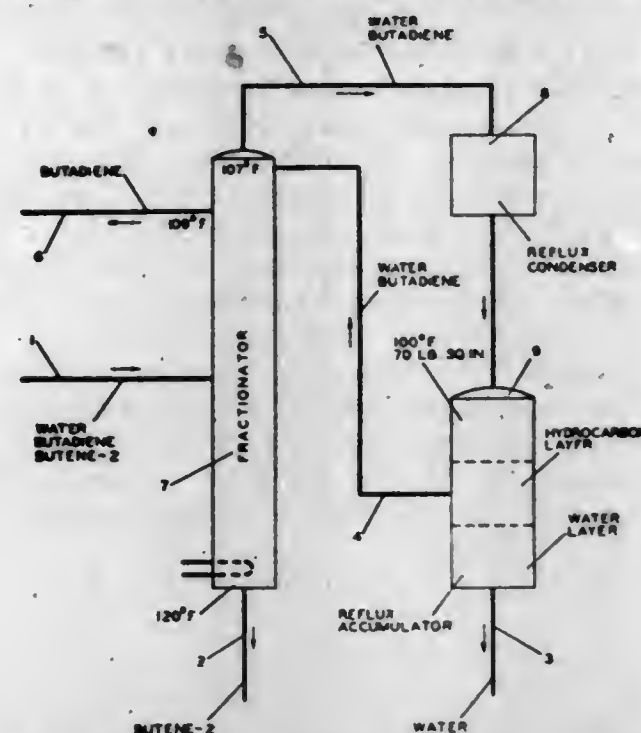
2,387,992

MANUFACTURE OF BUTADIENE

Karl H. Hachmuth, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 22, 1943, Serial No. 480,085
6 Claims. (Cl. 202-42)

1. The process of preparing butadiene essentially free from water in the same fractionator wherein butadiene is separated from less volatile hydrocarbons which comprises passing a feed con-

taining butadiene, other less volatile hydrocarbon and water, all of said water being dissolved in said feed, to a fractionator, removing from the fractionator a bottoms product comprising said less volatile hydrocarbon, removing from said fractionator overhead vapors comprising water and butadiene, condensing at least a portion of said overhead vapors, effecting separation of the

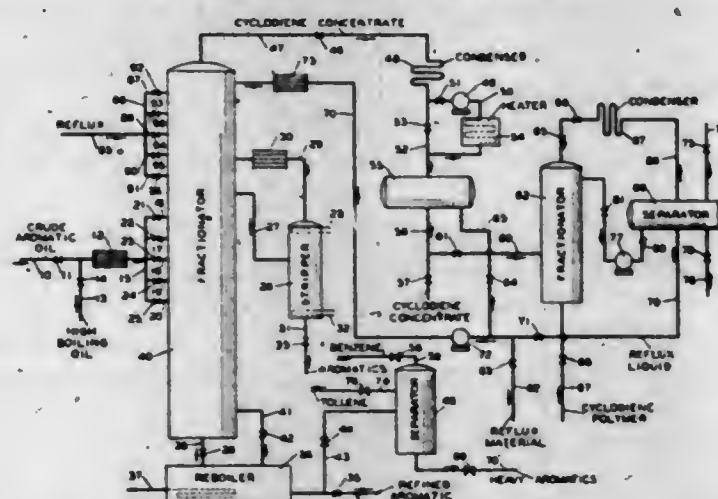


resulting condensate into an upper butadiene layer and a lower water layer containing essentially all of the water contained in said feed, refluxing the top of said fractionator with said butadiene layer, withdrawing said water layer from the system, and withdrawing liquid butadiene essentially free from water from said fractionator at a point intermediate the points of entry of said feed and said reflux thereto.

2,387,993

REFINING AROMATIC OILS

Harold J. Hepp, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 29, 1942, Serial No. 428,789
3 Claims. (Cl. 260-674)



1. The process of separating aromatic hydrocarbons essentially free from cyclopentadiene and methylcyclopentadiene and dimers thereof from crude aromatic oils containing said aromatic hydrocarbons and cyclopentadiene and methylcyclopentadiene and simultaneously separately recovering monomeric cyclopentadiene and methylcyclopentadiene therefrom which comprises continuously passing said crude aromatic oil into a fractionating column the kettle of which is provided with a reboiler, effecting said introduction at a mid-point of said column, maintaining the kettle of said column at a temperature of 350 to 500° F. by means of said reboiler, subjecting material flowing downwardly in said column and

comprising dimers of cyclopentadiene and methylcyclopentadiene to temperatures of 350 to 500° F. in the lower part of said column for a period of time of between 0.5 and 5 hours and thereby converting all of said dimers to monomers, passing dimer-free material containing monomeric cyclopentadiene and methylcyclopentadiene upwardly in said column, operating said column at a pressure of 25 to 150 pounds per square inch gauge, maintaining the concentration of monomeric cyclopentadiene and methylcyclopentadiene and the temperature in the upper part of said column such as to substantially preclude dimerization of said monomeric material therein, refluxing the top of said column, withdrawing from the column at a point well below the top thereof at least one fraction containing the aromatic hydrocarbons of the feed and essentially free from cyclopentadiene and methylcyclopentadiene and dimers thereof, withdrawing as the overhead from said column an overhead fraction consisting essentially of hydrocarbons boiling below benzene and comprising monomeric cyclopentadiene and methylcyclopentadiene in amount essentially corresponding to the content thereof both as monomer and dimer in the original crude aromatic oil.

2,387,994

ISOMERIZATION OF 1-OLEFINS TO 2-OLEFINS

John C. Hillyer, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application January 2, 1941,
Serial No. 372,921

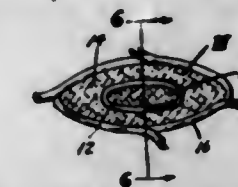
7 Claims. (Cl. 260-683.2)

7. A process for the catalytic isomerization of 1-olefins to 2-olefins which comprises intimately contacting said 1-olefin in the vapor state at a temperature of from 220 to 400° F., a pressure of from 0 to 50 pounds per square inch gage, and a flow rate of from 0.5 to 5 liquid volumes of feed per hour per volume of catalyst and in admixture with water vapor in amount such as to give a partial pressure therein equal to the partial pressure of water vapor over the acid solution in the catalyst at the operating temperature, with an isomerization catalyst consisting of an inert porous adsorptive carrier impregnated with from 5 to 20 weight per cent of an aqueous solution of an acid selected from the group consisting of phosphoric and sulfuric acids, said solution having a concentration of from 50 to 80 weight per cent, and thereby effecting conversion of said 1-olefin to 2-olefin.

2,387,995

HEATING ELEMENT AND METHOD OF PRODUCTION

Alfred J. Huck, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application March 1, 1944, Serial No. 524,550
7 Claims. (Cl. 201-67)



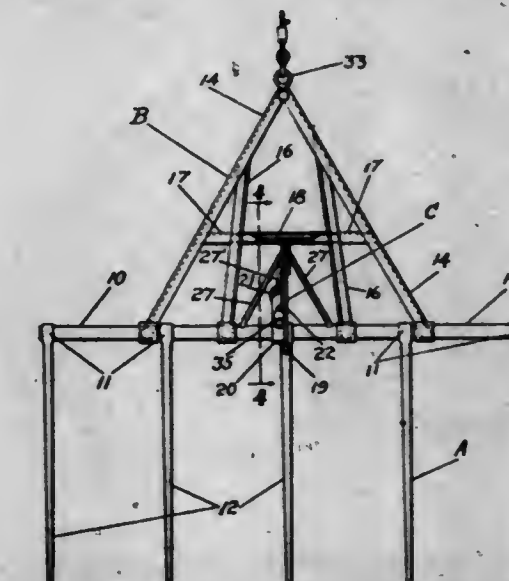
1. A heating element for a heating pad or the like comprising a flexible core of asbestos, elliptical in cross section, a coil of resistance wire wound tightly therearound, said coil being elliptical in cross section and helically elliptical in form, a

cover of flexible asbestos wound around said coiled wire and core, and a winding of thread around said cover in the opposite direction to retain said core, coil and cover assembled.

2,387,996

HAY FORK

Joseph S. Johnson, Logan, Utah
Application June 21, 1944, Serial No. 541,306
6 Claims. (Cl. 294-124)



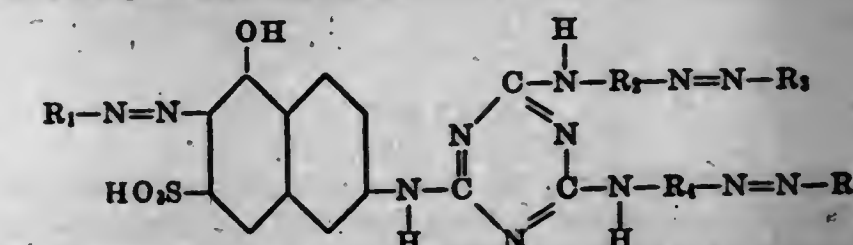
1. A hay fork structure, comprising a fork unit having a back bar, a frame unit pivotally attached to the back bar to oscillate thereon for the assumption of two positions, one of said positions being in the plane of the fork and the other being in a plane perpendicular to the plane of the fork, means for attaching a lifting element to the frame, a latching frame secured to said bar and extending forwardly with respect to the fork and having a forward lower portion and an upper rear portion, a latch carried by the latching frame at each of the two portions thereof for securing the first frame in either of its two positions relative to the fork, the latch at the upper rear portion comprising a relatively long member pivoted to the portion to hang therefrom for swinging movement and an upwardly and rearwardly extending finger behind which a portion of the frame unit is adapted to engage, and means for manually actuating the other latch to release the latter from connection with the first mentioned frame.

2,387,997

METALLIZABLE POLYAZO TRIAZINE DYESTUFFS

Otto Kaiser, Basel, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland, a Swiss firm
No Drawing. Application May 1, 1944, Serial No. 533,661. In Switzerland June 25, 1943
4 Claims. (Cl. 260-153)

1. The dyestuffs corresponding in the free form to the general formula

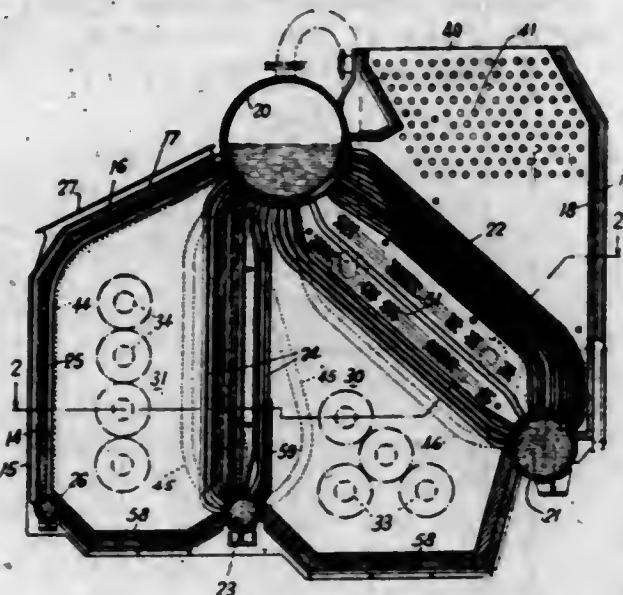


wherein R₁, R₂, R₃, R₄ and R₅ represent unsulfonated benzene nuclei, R₁ carrying a carboxyl group in ortho-position to the azo-group, R₂ and R₄ containing the NH-group and the azo-group linked in 1:4-position to one another and R₃ and R₅ containing a hydroxyl group in 4-position to the azo-group and a carboxyl group in ortho-position to this hydroxyl group.

2,387,998

VAPOUR GENERATION

George W. Kessler, New York, N. Y., assignor to The Babcock & Wilcox Company, Jersey City, N. J., a corporation of New Jersey
Application July 15, 1942, Serial No. 450,964
6 Claims. (Cl. 122-473)



1. A vapor generating and superheating unit comprising a setting, an upper vapor and liquid drum, a bank of inclined vapor generating tubes having their upper ends connected to said drum, a second tube bank of substantial depth and open throughout a major portion of the tube height and consisting solely of rows of vertically extending vapor generating tubes arranged to be heated mainly by convection and having their upper ends connected to said drum, a furnace chamber arranged between and having opposite sides defined by said tube banks, a second furnace chamber at the opposite side of said second tube bank, said second tube bank defining the gas outlet side of said second furnace chamber, means for independently and variably firing each of said furnace chambers, the vapor superheating surface of said unit consisting solely of a vapor superheater screened from said first furnace chamber by a plurality of rows of tubes of said first tube bank, the number of tube rows and heat absorbing capacity of said second tube bank being substantially greater than the number and heat absorbing capacity of the tube rows of said first tube bank screening said superheater from said first furnace chamber, a single heating gas outlet for said setting at the opposite side of said first tube bank from said first furnace chamber, and said furnace chambers, tube banks, superheater and gas outlet being so relatively arranged that substantially all of the heating gases from both of said furnace chambers flow across said superheater and the heating gases from said second furnace chamber flow across a major portion of the height of the tubes in said second tube bank and through said first furnace chamber prior to flowing across said first tube bank and superheater.

2,387,999

LUBRICATION

Ames T. Knutson and Eldon F. Graves, Midland, Mich., assignors to The Lubri-Zol Corporation, Wickliffe, Ohio, a corporation of Ohio
No Drawing. Application April 26, 1943,
Serial No. 484,608
11 Claims. (Cl. 252-54.6)

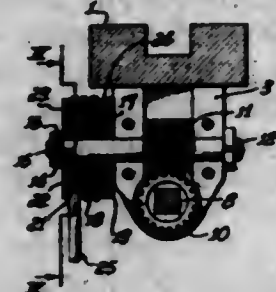
1. A liquid extreme pressure lubricant for use in the crankcase of internal combustion engines comprising mineral lubricating oil and an amount of an addition agent comprising a sulphur-free organic derivative of carbonic acid sufficient to

increase the load carrying capacity of the mineral lubricating oil so as to prevent seizure and scoring of bearings lubricated thereby when operated under pressures of at least 10,000 pounds per square inch.

2,388,000

TILTING MECHANISM FOR VENETIAN BLINDS

Robert C. Larson, Los Angeles, Calif.
Application December 13, 1944, Serial No. 567,954
3 Claims. (Cl. 160-176)

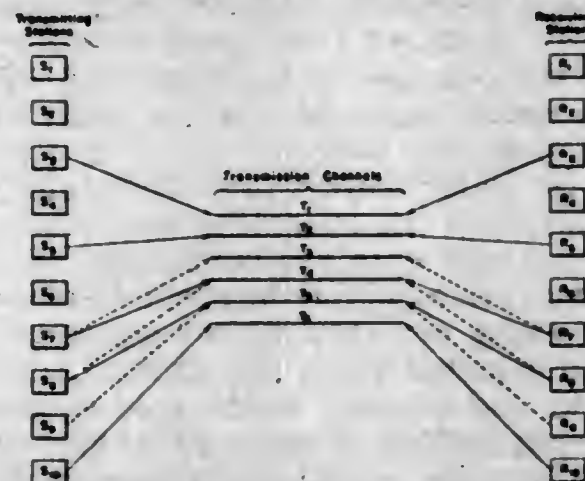


1. In a tilting mechanism for Venetian blinds, a tilting bar suspending the slats for rotational movement between a closed position and an open position, spring means acting upon said tilting bar normally urging said bar to a position closing the slats, means for rotating said tilting bar in a direction opposite that in which it is urged by the spring, and means for holding said tilting bar in any adjusted position against the force of said spring.

2,388,001

SIGNAL-TRANSMISSION SYSTEM

Arthur V. Loughren, Great Neck, N. Y., assignor to Hazeltine Corporation, Washington, D. C., a corporation of Delaware
Application December 7, 1944, Serial No. 567,049
17 Claims. (Cl. 179-15)



1. A signal-transmission system comprising, a plurality of signal sources which may be considered as arranged in consecutive order, a plurality of transmission channels, means coupling said sources to said channels for temporarily assigning all of said sources when inactive to one of said channels, and means responsive to a predetermined operating characteristic of active ones of said sources for controlling said coupling means to maintain the lowest-order active source assigned to said one channel and higher-order active sources assigned in order individually to consecutive channels proximate to said one channel.

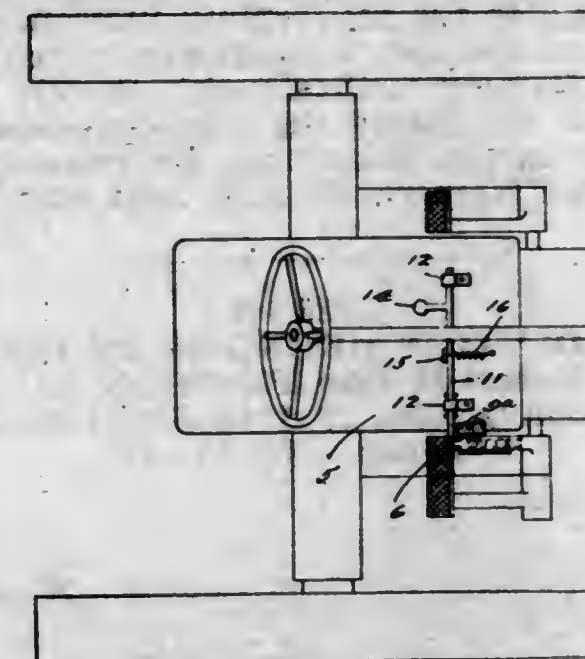
2,388,002

BRAKE PEDAL LOCK RELEASE

Matthew Malwald, Panama, Iowa
Application September 1, 1944, Serial No. 552,331
2 Claims. (Cl. 74-540)

1. A brake pedal lock comprising a rack carried by the brake pedal, a dog, and a foot actuated

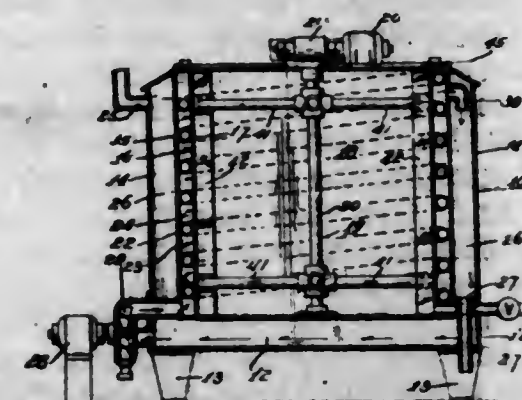
rockable member including a laterally extending yieldable part adapted for engaging the dog to move the latter into engagement with the rack when the member is actuated from a normal position, said dog being frictionally held in engage-



2,388,003

LIQUID TEMPERATURIZING VAT

Francis J. McCullough, Chicago, Ill.
Application January 15, 1945, Serial No. 572,888
2 Claims. (Cl. 257-77)

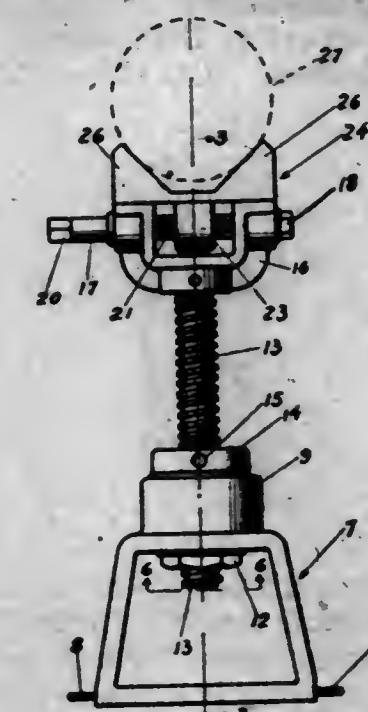


1. A liquid temperaturizing vat comprising a bottom portion having a well adapted to receive water, an outer shell, an intermediate wall spaced inwardly from said outer shell and leaving an aisle therebetween, said aisle communicating with said well, a container having its bottom portion contacting said well, said container having a wall spaced from said intermediate wall and providing a space therebetween, a hollow pipe coil containing cold producing means positioned within said walls and extending spirally upwardly therein, said coil being of such a diameter as to fill said space laterally and contact said walls, said coil and said walls forming a spiral pathway, means placing said pathway in communication with said well, a return member communicating with the top of said pathway and returning to said aisle, an agitator rotatable within said container and having members contacting the wall thereof, and a pumping means for forcing the water in the well upwardly along said spiral pathway for providing the wall of the container with a continuous cold coverage, said water dropping from said return member into said aisle and back to said well for recirculation and for imparting cold to the lower portion of said container.

2,388,004

LIFTING JACK

John C. McLaughlin, Duluth, Minn.
Application May 17, 1944, Serial No. 535,969
3 Claims. (Cl. 254-85)

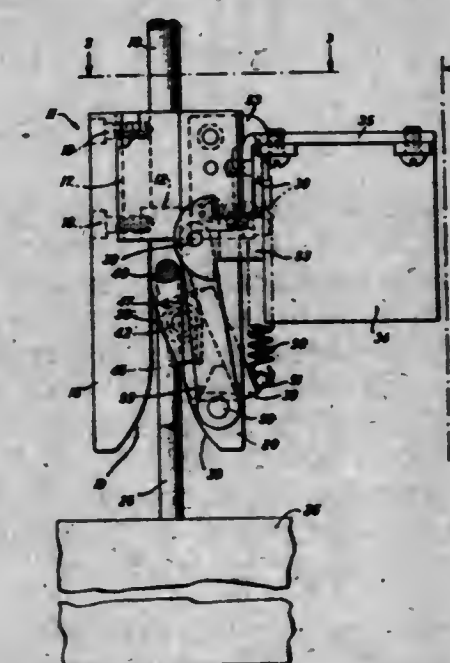


1. In a lifting and adjusting jack of the class described, a base, a feed-screw adjustably mounted on said base, a yoke secured to the upper end of said feed-screw, said yoke having its arms provided with bearings and grooves forming keyways, a horizontal threaded shaft mounted in said bearings, an adapter unit comprising a body having shaft-accommodating jaws, said body being provided intermediate its ends with a depending lug having a screw-threaded bushing threaded on said shaft, said body having keys fitted in said keyways.

2,388,005

ARTICLE HANDLING APPARATUS

Harry H. Merwin, Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 29, 1944, Serial No. 542,646
6 Claims. (Cl. 294-83)

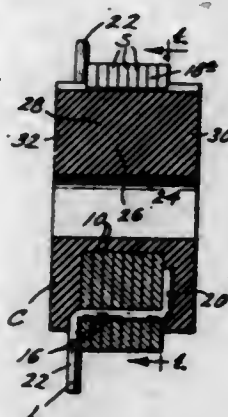


1. In an article handling apparatus, a movable unit including members positioned to straddle an article, an element pivotally mounted adjacent its lower end to one of the members and having pivotally connected portions normally extending diagonally upwardly to close the space between the members and support the article on the upper end thereof, means to elevate the unit and the article, and means to cause relative movement of the portions about their pivot to free the article.

2,388,006

COMMUTATOR STRUCTURE AND METHOD OF MANUFACTURE THEREOF

George L. Moeller, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application August 4, 1943, Serial No. 497,349
5 Claims. (Cl. 171-321)

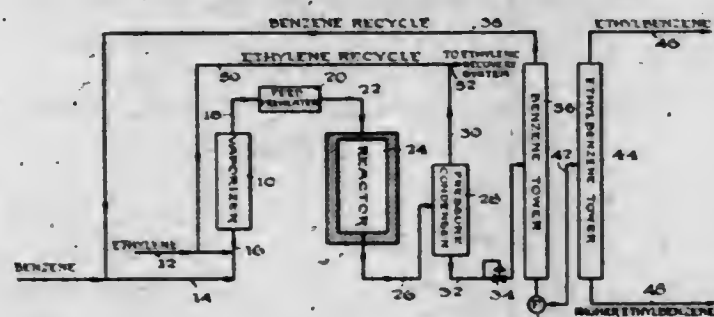


1. A commutator structure comprising commutator segments, each having indentations in opposite sides, a molded core for said segments having portions extending into said indentations to retain the segments against outward movement by centrifugal force, said core having flanges on opposite faces of said segments, said flanges connecting said portions together to form a unitary core for the commutator, and commutator leads through said segments and having opposite ends bent against the ends of said segments.

2,388,007

ALKYLATION OF BENZENE

William A. Pardee, Pittsburgh, Pa., and Barnett F. Dodge, Hamden, Conn., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application June 1, 1943, Serial No. 489,290
3 Claims. (Cl. 260-671)



1. A vapor-phase process for the production of mono-ethyl benzene from ethylene and benzene which comprises contacting a heated mixture of vapors of ethylene and benzene containing a molal excess of benzene with a supported catalyst comprising a complex salt of sodium chloride and aluminum chloride at a temperature ranging substantially from 80° to 400° C. and at a super-atmospheric pressure for a contact time less than about 2 minutes whereby a predominant amount of mono-ethyl benzene is produced.

2,388,008

PRODUCTION OF HYDROCARBONS

Mathias Pier, Heidelberg, and Gerhard Free and Wilhelm v. Fuener, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian
No Drawing. Application November 23, 1940, Serial No. 366,914. In Germany November 28, 1939

3 Claims. (Cl. 196-52)

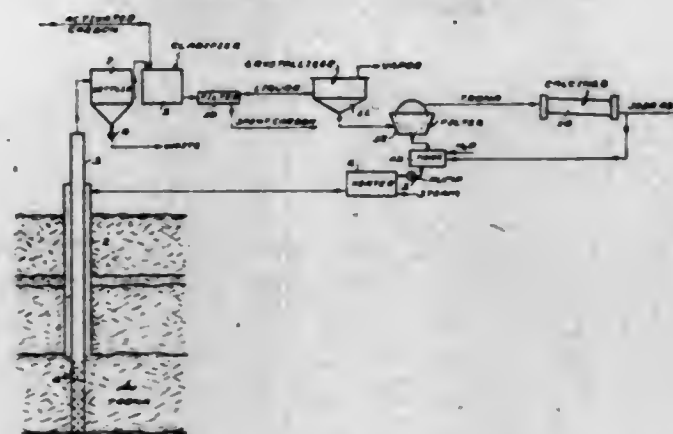
1. A process for the production of hydrocarbons from hydrocarbons of a higher molecular weight

by heating at a temperature of 300° C., which comprises carrying out the reaction in the presence of a catalyst containing compounds of barium and silicon and having been prepared by causing an acid solution of an alkali metal silicate to set to a jelly which forms a gel upon drying, adding to the gel-forming substance, in the presence of an acid, a compound of barium capable of forming a silicate with an acid solution of a silica sol, drying the jelly containing compounds of barium and silicon and heating the gel formed to a temperature of at least about 300° C.

2,388,009

SOLUTION MINING OF TRONA

Robert D. Pike, Pittsburgh, Pa.
Application October 19, 1943, Serial No. 506,841
5 Claims. (Cl. 23-38)



5. That method of producing soda ash from an underground deposit of Wyoming trona carrying organic matter and contained iron which comprises forcing into the trona formation under a pressure greater than atmospheric a heated cycling brine of sodium carbonate and sodium bicarbonate containing substantially more normal carbonate than bicarbonate and which is unsaturated with respect to trona and from which the dissolved trona may be crystallized congruently, withdrawing the pregnant solution from the formation, contacting the pregnant solution with an adsorbent and thereby removing said organic matter and contained iron, separating the clarified solution from said adsorbent, subjecting the clarified solution to vacuum crystallization and recovering refined sodium sesquicarbonate with some of the brine adhering to the crystals, calcining said crystals with adherent brine to produce soda ash, cycling the mother liquor from said crystallizing step to the formation, and cycling to said mother liquor a portion of said soda ash to maintain the ratio of normal carbonate to bicarbonate in the cycling brine.

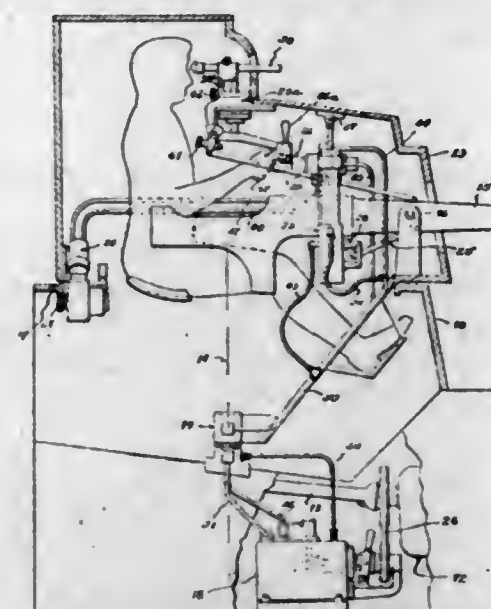
2,388,010

GUN TURRET FOR MOBILE TANKS

Walter M. Pohl, New Haven, Conn., assignor to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan
Application April 9, 1941, Serial No. 387,718
15 Claims. (Cl. 89-41)

1. In an army tank, a stationary portion, a movable gun supporting portion, a source of liquid under pressure in said stationary portion, motors in said movable portion for shifting the same and elevating a gun mounted thereon, conduits connecting said motors with said pressure source, means in said conduits for permitting movement of said movable portion relative to said stationary portion comprising a central stud formation mounted on said stationary portion having conduits extending upwardly therein connecting with ports in the outer surface thereof, a portion mounted on said movable portion sur-

rounding said stud having ports therein adapted to register with the ports in the surface of said stud, and conduits connecting the ports in said surrounding portion with the conduits of said movable portion, an operating scope on the stationary portion of the tank, follow valve means

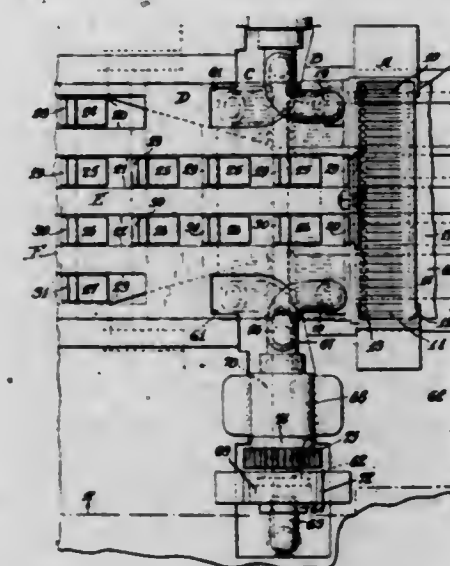


on said turret for controlling the elevating motor and linkage connecting the scope and the follow valve for operation of the valve, a portion of said linkage passing centrally through said stud and having longitudinal movement therein and serving as signal and response mechanism.

2,388,011

HANDLING MECHANISM FOR MATCH COMBS AND MATCH COMB PACKETS

Rodney S. Pullen, Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 20, 1941, Serial No. 407,542
12 Claims. (Cl. 144-51)



1. In a conveying system for match combs, a storage hopper adapted to contain pairs of match combs, having their heads facing oppositely in the pair, a plunger, means for moving the plunger through the bottom of the hopper in the direction of the match length to eject pairs of match combs, one pair of combs at a time, and upwardly projecting prongs on the plunger, higher than the combs ejected and fitting between the matches of the lower comb of the pair above that pair being ejected.

579 O. G.-53

2,388,012

METHOD OF MAKING MATCH PACKETS

Rodney S. Pullen, Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 26, 1943, Serial No. 492,346
10 Claims. (Cl. 93-2)

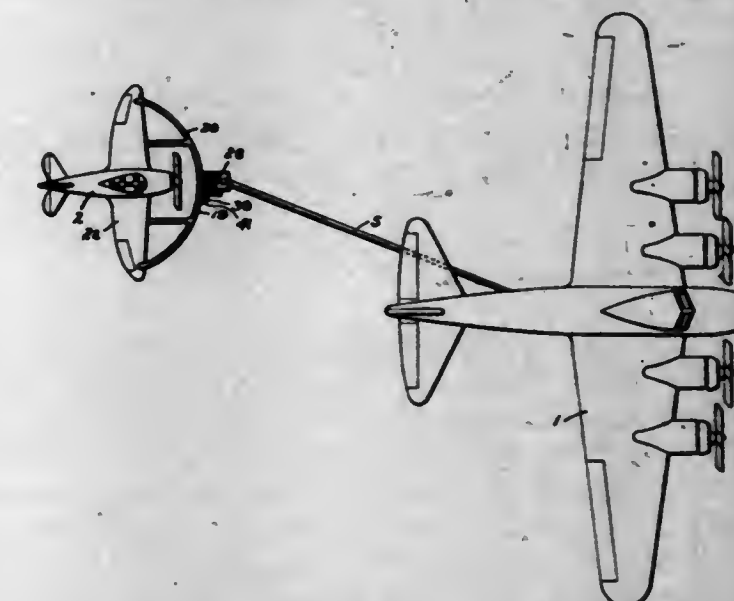


1. In the method of making a match packet, the intermediate steps which comprise inserting a spacing strip lengthwise from the head ends of a section of a match comb and in piercing the strip and matches in line therewith at intervals to force the material of one of the parts into the body of the other part so as temporarily to hold the strip against movement with respect to the match comb section.

2,388,013

AIRPLANE TOWING MECHANISM

Orval Raser, Portland, Oreg.
Application March 25, 1942, Serial No. 436,204
9 Claims. (Cl. 244-3)



1. In towing connections of the character described for releasably securing a towing airplane to a trailing airplane, a flexible combined towing and refueling hose secured at one end to said towing airplane and having an enlarged head on the free end of said hose adapted to be engaged by said trailing airplane, a hook-like device on said trailing airplane adapted releasably to engage the enlarged head on said flexible hose, said device having a key-hole slot formed therein, the narrower portions thereof being proportioned to pass said hose but to retain said head, and a retractable member associated with said slot to restrict the movement of said head with respect to said slot when said head is engaged by said device.

2,388,014

FIRE EXTINGUISHING COMPOSITION

Robert E. Sargent and Matthew W. M. Devitt, Elmhurst, Long Island, N. Y.
No Drawing. Application April 4, 1942, Serial No. 437,694
3 Claims. (Cl. 252-2)

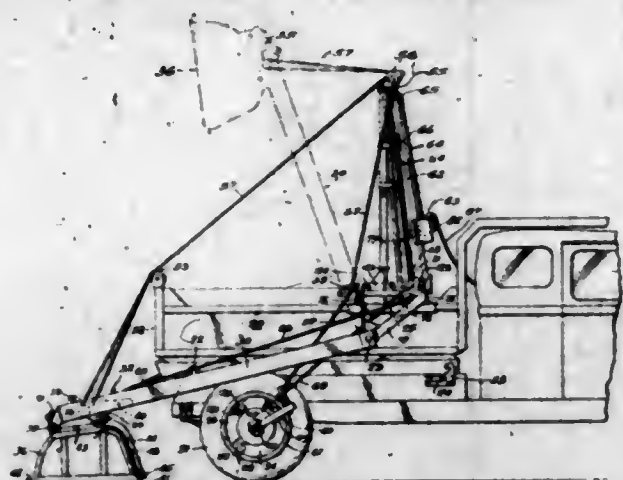
2. A mixture suitable for use in extinguishing stubborn fires composed of sodium chloride, pitch and graphite, the sodium chloride predominating.

2,388,015

VEHICLE LOADER

Robert C. Shoemaker, Portland, Oreg., assignor to Willamette Hyster Company, Portland, Oreg., a corporation of Oregon

Application February 4, 1944, Serial No. 521,029
25 Claims. (Cl. 214-81)



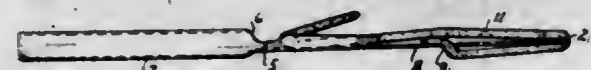
1. In a truck having two power driven wheels and a differential connecting them, the combination of a pair of drums mounted on said wheels, an overload slippage clutch and dog and ratchet means operatively connecting each drum to its associated wheel whereby each drum is positively driven only when the truck moves in one direction, and a cable operatively connected to both said drums.

2,388,016

CLEANING DEVICE

Arthur G. Smith, Elyria, Ohio

Application March 12, 1941, Serial No. 382,958
14 Claims. (Cl. 131-245)



1. A long and narrow abrading tool for use on work in closely confined locations in mechanical devices including a blade terminating at one end in a narrow tip provided with a recess and said blade including upwardly extending curved side walls which increase in elevation and which gradually converge toward each other as they extend away from said tip to provide a portion which is substantially circular in cross section and said side walls being divergent from the substantially circular portion toward the other end of the blade to form crotch edges, and a rod type abrading and cleaning brush removably disposed within and supported laterally by the curved side walls and having one end anchored in the recess at the tip and its opposite end wedged between the diverging edges of the side walls.

2,388,017

PROCESS FOR THE MANUFACTURE OF PAINTS

Herwart Sohm, Basel, Switzerland

No Drawing. Application February 6, 1943, Serial No. 475,015. In Switzerland December 19, 1941

4 Claims. (Cl. 106-218)

1. A process for the manufacture of paint, which comprises melting colophony with sulphur, dissolving the resultant molten mass in at least one hydrocarbonaceous material selected from the group consisting of petroleum, heavy oil and naphtha, treating the resultant sulfurized colophony solution at 130-160° C. with an aluminum compound selected from the group consisting of aluminum oxide, aluminum hydroxide, aluminum

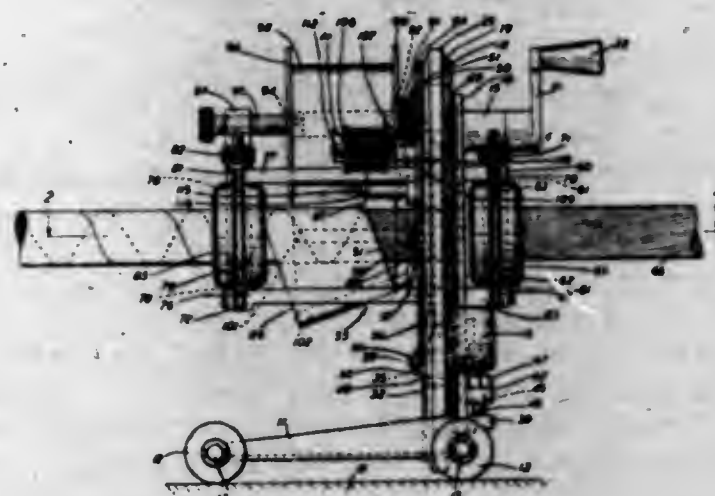
carbonate, aluminum chloride and calcium aluminate, the quantity of such aluminum compound employed being less than is necessary to effect a complete neutralization of the resin acids present in said solution, and then treating the resultant product with a sufficient quantity of a member selected from the group consisting of calcium carbonate, barium carbonate, barium hydroxide and calcium oxide substantially to neutralize remaining resin acids.

2,388,018

APPARATUS FOR WRAPPING ELONGATED ARTICLES

Clyde N. Stover, Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application January 13, 1944, Serial No. 518,072
2 Claims. (Cl. 57-10)



1. In an apparatus for wrapping cable splices, a wheeled carriage, an upright frame having an arcuate aperture therein secured to the carriage, a handle attached to the frame, a plurality of similar guide rollers rotatably mounted upon the frame in an arcuate path concentric with the aperture in the frame with a portion of each of the guide rollers projecting into the aperture, a serving head having a slot therein through which a cable splice to be wrapped may be inserted and also having a groove in the periphery thereof, a plurality of split bushings removably secured to the head for securing such a cable splice against transverse movement, a cord serving spool mounted upon the head, a guiding member for guiding a cord from the cord serving spool to the cable splice, a tape serving spool mounted upon the head, guiding means for guiding a tape from the tape serving spool to the cable splice, a drive pulley mounted on the frame, a plurality of guide pulleys attached to the frame, and a belt fitting into the groove in the serving head and passing around the drive pulley and the guide pulleys for rotating the head and the spools thereon around the cable splice as the carriage is moved along the cable, one of said guide pulleys being adjustably mounted on the frame to regulate the tension of said belt.

2,388,019

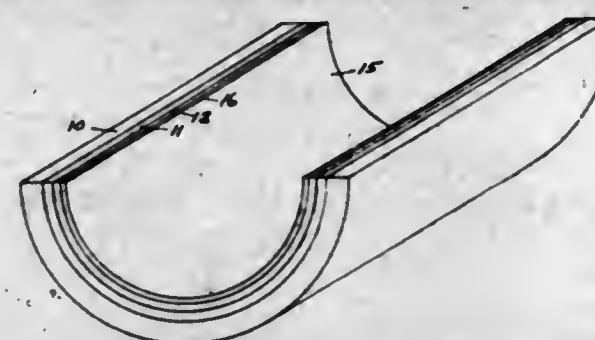
BEARING

Randolph L. Strickland, Rochester, and Amelius B. Segall, Detroit, Mich., assignors to Detroit Aluminum & Brass Corp., Detroit, Mich., a corporation of Michigan

Application July 7, 1944, Serial No. 543,884
1 Claim. (Cl. 308-237)

A bearing consisting of integrally united layers, the outer one of which is a supporting layer of hard metal, the next adjacent one of which is an

intermediate layer of a soft readily conformable particle absorbing metal having a thickness of .015" approximately, and the next adjacent one of which is in the form of a very thin hard coating or skin having a thickness above .00005" but less than .0010" which prevents cracking of the in-



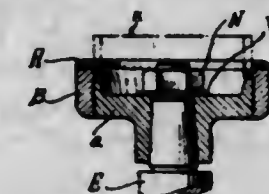
termediate layer and which is hard enough to resist cracking and which is thin enough to permit particles to be absorbed by the intermediate layer, and the innermost one which is a thin, soft locally conformable metal coating for holding particles and arresting their movement around the bearing.

2,388,020

UNIVERSAL TYPE GRINDING TOOL

Ignaz F. Suwa, Jackson Heights, N. Y., assignor to Fish-Schurman Corporation, New York, N. Y., a corporation of New York

Application February 2, 1944, Serial No. 520,749
5 Claims. (Cl. 51-209)



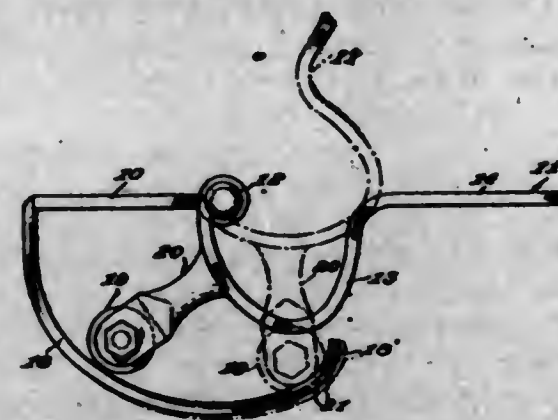
1. A grinding tool of the universal type, said tool consisting of a metallic base member consisting of cold rolled steel, an annular sleeve extension on one face of said base member, the exterior face of said sleeve being provided with a roughened surface, an annular body consisting of a sintered mixture of metal powders containing about 5% Mn, 25% Au and Ag in about equal amounts, .10% indium, balance Fe containing about .87% C integral with the roughened exterior surface of said sleeve extension and a ring-shaped section of a sintered metallic abrasive composition integral with the end of said annular body and extending beyond the end of said sleeve extension, the face of said ring-shaped section being arcuately curved to provide a convex surface.

2,388,021

HINGE CONSTRUCTION

John J. Thomas, Newport News, Va.

Application March 13, 1944, Serial No. 526,248
8 Claims. (Cl. 16-135)



3. A hinge construction comprising a pair of pivotally connected plates, an arcuate resilient and yieldable tongue projecting in the form of a

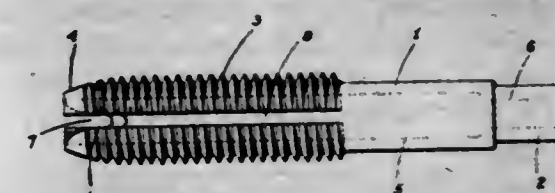
single curved strip from one of said plates in eccentric relation to the pivotal connection of the plates and having a free end disposed materially beyond the pivot, a member projecting from the other of said plates having a latching end portion for movement along the inner curved surface of said tongue upon relative pivotal movement of the plates and for gradually increasing the tension of the tongue as the member moves toward the free end thereof, and an aperture in said tongue adjacent the free end thereof for receiving the latching end portion of said member and allowing the portion of the tongue bordering the aperture to spring into abutting relation with the member to stop and yieldably latch said plates in predetermined angular relation.

2,388,022

HOLLOW TAP

Emmitt M. Tucker and Emmitt M. Tucker, Jr., Grass Valley, and Joseph M. Tucker, Long Beach, Calif., assignors of one-tenth to John J. Looser, Grass Valley, Calif.

Application December 21, 1943, Serial No. 515,982
4 Claims. (Cl. 10-141)



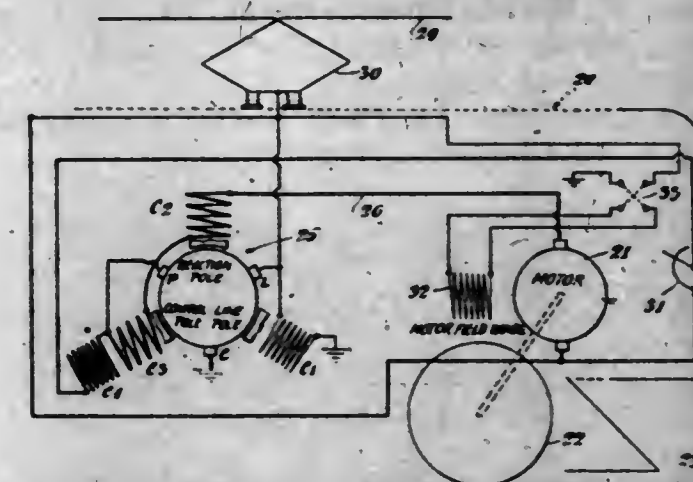
1. A tap comprising a body, threads on the body adjacent its forward end, the body at said end having a diametral slot cut therethrough and through the threads lengthwise of the body and having its leading edge radially out from its trailing edge, and the body having a central bore extending from the outer end of the body to the rear end of and intersecting the slot.

2,388,023

ELECTRIC CIRCUIT CONTROLLER

Joseph M. Tyrner, New York, N. Y.

Application October 16, 1943, Serial No. 506,533
15 Claims. (Cl. 172-239)



1. The combination with an electric motor that has a field winding connected across a power line, and an armature with brushes for conducting power to the armature circuit; of a motor controller comprising a rotary converter including 3 field pole structures for each 360 electrical degrees, an armature with 3K pole structures, said armature having a winding with a pitch of 120 electrical degrees 3K' brushes, K and K' each being a whole number, and said armature being wound to generate a secondary voltage across two brushes P and C and a tertiary voltage across two brushes L and P when the line voltage is impressed across the brushes L and C, and conductors for connecting the P and C converter brushes with the brushes on opposite sides of the armature circuit of the motor.

2,388,024

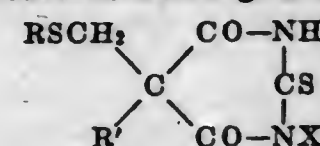
THIOBARBITURIC ACID DERIVATIVES AND THEIR SALTS

Lewis A. Walter, East Orange, N. J., assignor to The Maltbie Chemical Company, Newark, N. J., a corporation of New Jersey

No Drawing. Application February 28, 1942, Serial No. 432,889

14 Claims. (Cl. 260—260)

1. A new composition of matter useful in therapeutics, comprising a 5, 5 disubstituted thiobarbituric acid derivative having the formula:



wherein R and R' are hydrocarbon groups, each of which contains not more than six carbon atoms, and wherein the sum of the carbon atoms in R and R' does not exceed 10, R has a carbon atom attached directly to the sulfur of the thiomethylene group, and R' has a carbon atom attached directly to the carbon atom forming the thiobarbituric acid nucleus; and wherein X is a member selected from the group consisting of hydrogen, alkali-metal, an equivalent of alkaline earth metal, ammonium, monoalkyl ammonium, dialkyl ammonium, alkanol ammonium, and an equivalent of alkylene diammonium.

2,388,025

 α -CHLOROETHYL SULPHIDES AND PROCESS OF PREPARING THE SAME

Lewis A. Walter and Louis H. Goodson, East Orange, N. J., assignors to The Maltbie Chemical Company, Newark, N. J., a corporation of New Jersey

No Drawing. Application May 6, 1942, Serial No. 441,971

2 Claims. (Cl. 260—609)

2. n-Amyl-(α -chloroethyl) sulphide.

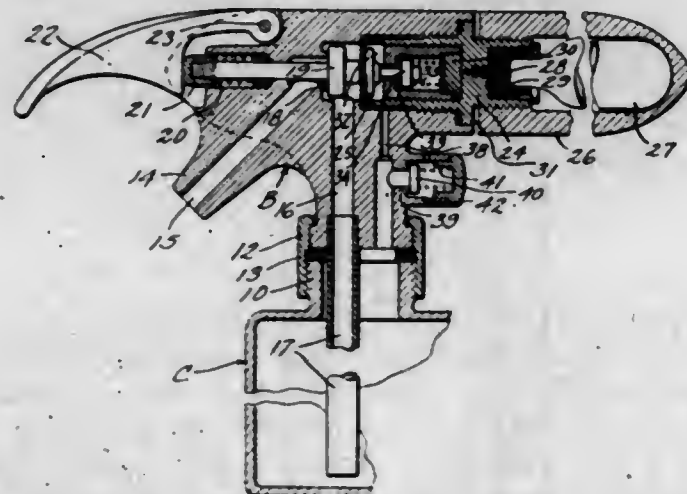
2,388,026

DISPENSING FAUCET

Lawrence T. Ward, Philadelphia, Pa., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri

Application May 18, 1942, Serial No. 443,454

2 Claims. (Cl. 277—20)



1. A dispensing faucet comprising a valve body having a bore, a liquid discharge spout and a liquid intake passageway, a valve seat between said passageway and said spout, a valve plug normally seated thereagainst, a compressed gas receiving passageway and a compressed gas discharge passageway in said valve body, a diaphragm across said bore and separating said last passageways from said liquid valve plug, a valve seat in said bore between said last two pas-

sageways, a pressure valve plug normally seated thereagainst, and means for opening said liquid valve plug and for thereafter opening said pressure valve plug, the liquid valve engaging said diaphragm as the liquid valve plug is opened beyond a partially open position.

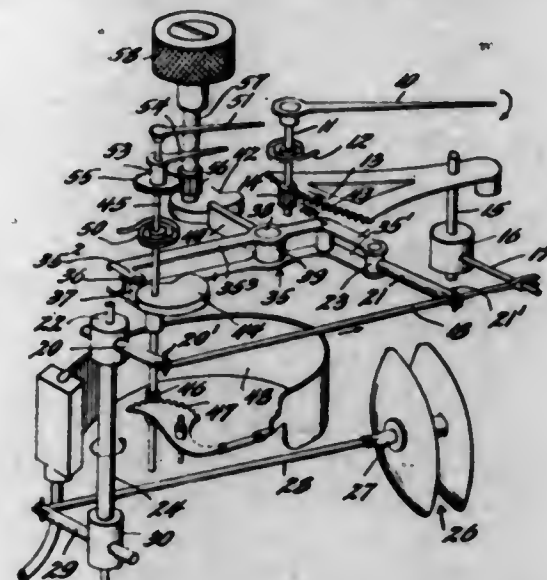
2,388,027

ALTIMETER

Otto Weil, New York, N. Y.

Application December 21, 1943, Serial No. 515,175

3 Claims. (Cl. 73—387)



3. In an instrument of the class described, in combination, an altitude indicating member, means responsive to changes in altitude of the instrument for actuating said member to cause the same to indicate such changes, said means including an arm supported for movement about a fixed axis, a thrust rod for applying an operating force to said arm, said thrust rod having one end positioned to engage said arm at various distances from said axis, a carrier for the other end of the thrust rod, by means of which the rod may be moved longitudinally to act upon and move said arm, and correction mechanism comprising a floating lever, means operatively connecting a point on said lever with said thrust is given to the thrust rod to vary the point of rod, means movable in response to variations in temperature at said instrument and disposed in contact with said floating lever at another point, and means adapted to be moved to accord with variations in temperature at sea level, and disposed in contact with said floating lever at still another point, whereby a movement which is the resultant of those given the lever by the means movable in response to variations in temperature and means adapted to be moved to contact therewith along the said arm.

2,388,028

AIR SCOOP FOR AIRPLANE ENGINES

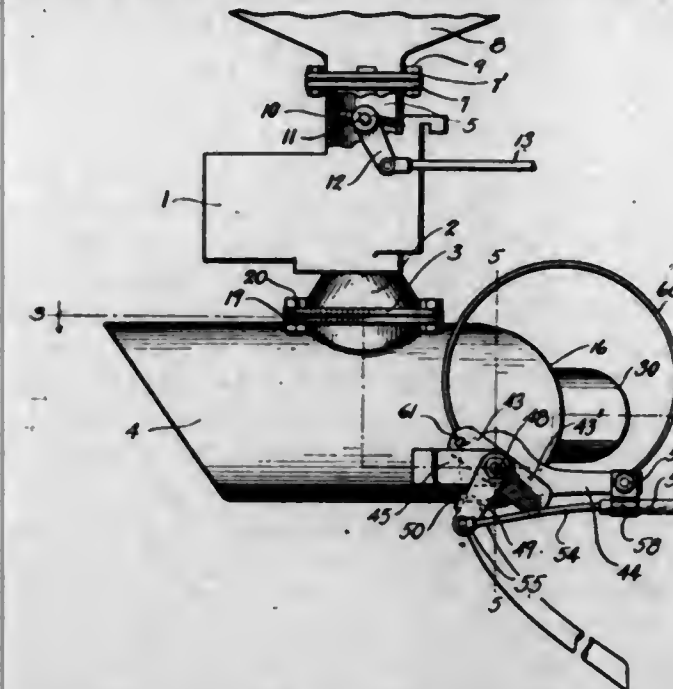
Theodore C. Barber, Burbank, Calif.

Application March 14, 1942, Serial No. 434,633

2 Claims. (Cl. 261—14)

1. An air scoop of the character described, comprising a housing having an open end pointed in the direction of flight for forced inflow of atmospheric air and having a partition wall therein setting off a suction chamber; said partition wall having an opening therein for the direct and forced inflow of atmospheric air incident to flight, and said suction chamber having a protected inlet for connection with a source of supply of heated air, and having an outlet adapted for connection with the air suction passage of a carburetor; a shaft rotatably mounted in the

chamber, a valve member fixed on the shaft to swing between opposite limits at which, respectively, it overlies the partition opening to resist pressure of and inflow of atmospheric air in flight, and the heated air inlet, a spring member acting on the shaft to yieldingly urge the valve



member toward its position for closing the opening against the inflow of atmospheric air, and a movable stop member adapted to be manually adjusted to different positions for determining the extent of movement of the valve member toward closing off the entrance of heated air to the chamber.

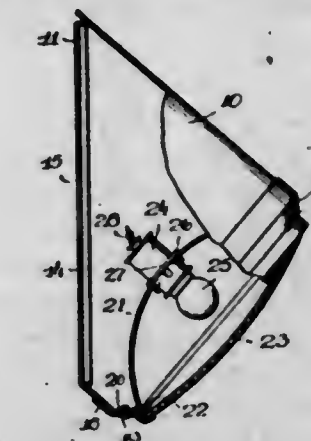
2,388,029

LIGHTING FIXTURE

Clifford V. Bates, Chicago, Ill.

Application April 3, 1944, Serial No. 529,243

2 Claims. (Cl. 240—41)



1. A lighting fixture comprising a housing having an inwardly directed flange at the front end thereof forming a bezel, a transparent panel disposed adjacent said bezel and forming a closure for the front of said housing, a reflector positioned adjacent said transparent panel, means interlocking with said housing and engaging said reflector to maintain said reflector and said transparent panel in position against said bezel to form a sealed unit in the front end of said housing, said reflector being provided with an opening in the rear portion thereof, a lamp socket insertable from the rear into said opening and provided with spring clips for engagement with the edge of said reflector at said opening to maintain detachably said socket in operative position in said reflector, a supporting plate forming a closure for the rear of said housing, a hinged connection between said supporting plate and said housing, and means for mounting said supporting plate to a wall whereby said housing may be swung open on its supporting plate to permit access to the rear of said reflector

and to permit disengagement of said socket from said reflector for the insertion of a lamp bulb in said socket without damaging the reflecting surface of said reflector.

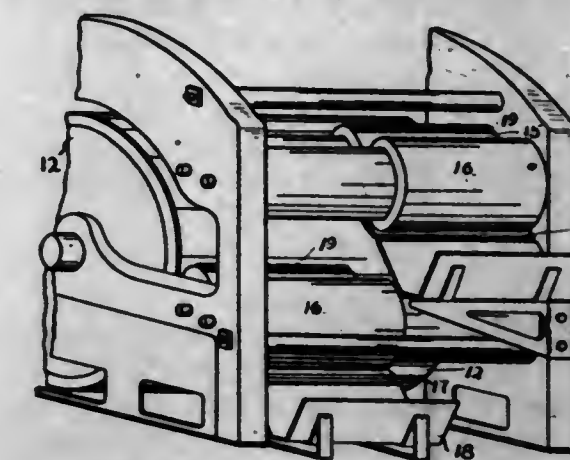
2,388,030

WOOL CARDING MACHINE

François Beaudoin, St. Evariste, Quebec, Canada

Application June 25, 1941, Serial No. 399,699

3 Claims. (Cl. 19—106)



1. In a wool carding machine including a swift, a doffer cooperating with said swift and formed with a plurality of circumferentially spaced apart lengthwise extending ribs, the ribs of said doffer effecting a withdrawal of strips transversely from the web engaged with said swift, a velour roller in complementary arrangement with said doffer and adapted to remove said strips from said doffer, and means co-operating with said velour roller for rolling said strips into untwisted rolls.

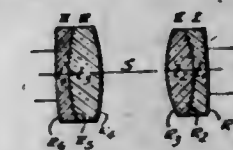
2,388,031

OPTICAL SYSTEM

Alva H. Bennett, Kenmore, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass., a voluntary association

Application October 28, 1943, Serial No. 508,025

2 Claims. (Cl. 88—57)



1. In an optical system of the type set forth, a pair of doublets, each of said doublets consisting of a divergent element of extra dense flint glass having a refractive index of approximately 1.72 and an Abbe number of approximately 29.3 and a convergent element of spectacle crown glass having a refractive index of approximately 1.52 and an Abbe number of approximately 58.5, the radius of the front surface of the first element being approximately -69.82 mm., the radius of the rear surface of the first element and the first surface of the second element being approximately -16.48 mm., the radius of the rear surface of the second element being approximately +16.48 mm., the radius of the front surface of the third element being approximately -26.69 mm., the radius of the rear surface of the said third element and the front surface of the fourth element being approximately +23.60 mm. and the radius of the rear surface of the fourth element being approximately +77.42 mm., the axial thickness of said first element being approximately 2.0 mm., the axial thickness of said second element approximately 4.0 mm., the axial thickness of the third element approximately 5.0 mm. and the axial thickness of the fourth element approximately

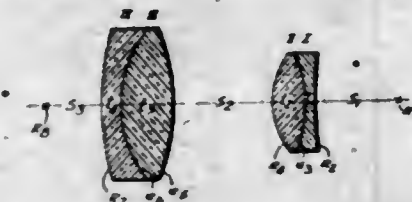
2.0 mm. or a ratio thereof depending upon the magnification desired in the optical system, the above computations giving a magnification of 10X.

2,388,032

OPTICAL SYSTEM

Alva H. Bennett, Kenmore, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass., a voluntary association

Application October 28, 1943, Serial No. 508,026
4 Claims. (Cl. 88—57)



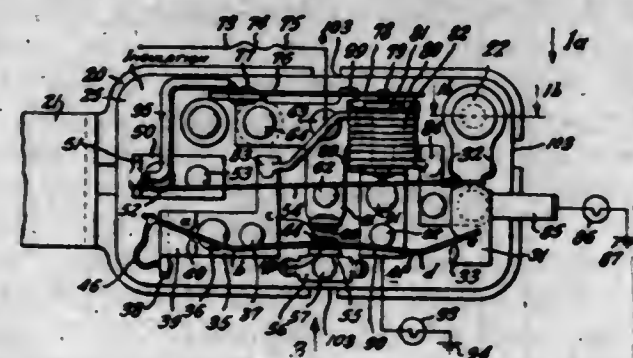
1. In an optical system of the type set forth, a pair of doublets, each of said doublets consisting of a divergent element of extra dense flint glass having a refractive index of approximately 1.72 and an Abbe number of approximately 29.3 and a convergent element of spectacle crown glass having a refractive index of approximately 1.52 and an Abbe number of approximately 58.5, the radii of curvature of the surfaces of said elements being computed to provide an optical system of desired magnification and ratioed from the following radii computed for an optical system of 9X magnification having the radius of the front surface of the first element of approximately +68.19 mm., the radius of the rear surface of the first element and the first surface of the second element being approximately -24.90 mm., the radius of the rear surface of the second element being approximately +11.49 mm., the radius of the front surface of the third element being approximately -25.32 mm., the radius of the rear surface of said third element and the front surface of the said fourth element being approximately +16.31 mm. and the radius of the rear surface of the fourth element being approximately +39.77 mm., the axial thickness of said first element being approximately 1.8 mm., the axial thickness of said second element being approximately 4.5 mm., the axial thickness of the third element being approximately 7.65 mm. and the axial thickness of said fourth element approximately 2.7 mm. and the axial separation of said doublets being approximately 13.62 mm.

2,388,033

FLASHER SWITCH

Kenneth L. Berninger, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Michigan

Application December 19, 1941, Serial No. 423,667
9 Claims. (Cl. 200—113)



1. A flasher switch comprising a detachable flipper-bar having initially an arched central portion and end portions extending from the central portion, supports pivotally engaging the end edges of the bar and spaced apart a distance less than

the initial distance between said end edges, one of said supports being relatively movable in the direction lengthwise of the bar, spaced fixed stops located between the supports and between which the center of the bar is located in order to limit lateral movement of the bar arch in either direction, the location of the stops relative to the supports being such that, when the bar is assembled between the supports and stops, the end portions of the bar are bent relative to the arch in the direction toward which the convex side of the arch faces and the camber of the arch becomes smaller than initially, a thermostat having one end fixed and the other end attached to the movable support limiting the normal spacing of the supports to a dimension such that the stresses produced by bending the end portions of the bar exceed the stress in the arch tending to increase its camber, thereby causing the bar arch to move laterally in the direction toward which its concave side faces, an electric circuit normally including the thermostat and the bar for connecting a current source with a lamp, the heating of the thermostat causing the bar to increase the distance between the supports to such dimension as to cause the stresses produced by bending the end portions of the bar to become less than the stress in the arch tending to increase its camber whereupon the bar arch moves laterally in the direction toward which its convex side faces, and a circuit completed through a portion of the bar upon said later movement of the bar for short circuiting the thermostat.

2,388,034

PRODUCTION OF PRIMARY AND SECONDARY AMINES

Burnard S. Biggs, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 14, 1941, Serial No. 406,833
4 Claims. (Cl. 260—583)

3. The method of producing a mixture of polymethylene diamine, N-alkyl polymethylene diamine and N,N'-dialkyl polymethylene diamine, said diamines being present in the diamine mixture in such amounts that the mol fraction of diprimary amine is A^2 , the mol fraction of primary-secondary diamine is $2AB$ and the mol fraction of dissecondary diamine is B^2 , where A is the mol fraction of primary amino groups and B is the mol fraction of secondary amino groups in the diamine mixture, which method comprises catalytically hydrogenating a polymethylene dicyanide selected from the group consisting of sebaconitrile and adiponitrile in the liquid phase in the presence of about 8 mols. per mol of nitrile, of a mixture of ammonia and a monoalkyl monoamine containing not more than 6 carbon atoms, both ammonia and monoalkyl monoamine being present in the mixture in substantial amounts.

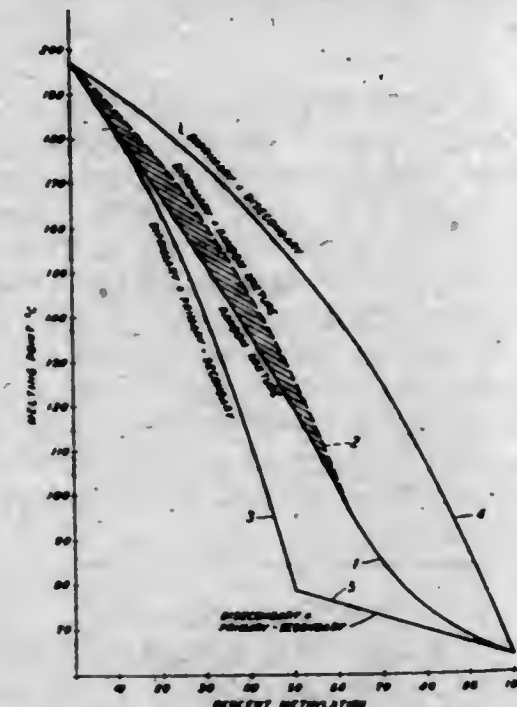
2,388,035

POLYAMIDES

Carl J. Frosch, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 11, 1942, Serial No. 430,392
13 Claims. (Cl. 260—78)

1. A linear polyamide identical with the polyamide prepared by the condensation of a polymethylene dicarboxylic acid and a mixture of a diprimary polymethylene diamine, a polymethylene diamine having an alkyl substituent on one of its amino groups, the other amino group being unsubstituted, and a polymethylene diamine having an alkyl substituent on each of its amino groups,

said alkyl substituent containing between one and six carbon atoms, said substituted amino groups making up between about 5 per cent and about 60 per cent of the total amino groups present, the proportions of each of said diamines in said diamine mixture being that produced by adding as much diprimary polymethylene diamine, as is



necessary to produce the proper proportion of primary amino groups, to a diamine mixture containing not more than about 60 per cent alkyl substituted amino groups and having its diprimary, primary-secondary and dissecondary diamines distributed in approximately the proportion A^2 , $2AB$ and B^2 , respectively, where A is the proportion of primary amino groups and B is the proportion of substituted amino groups.

2,388,036

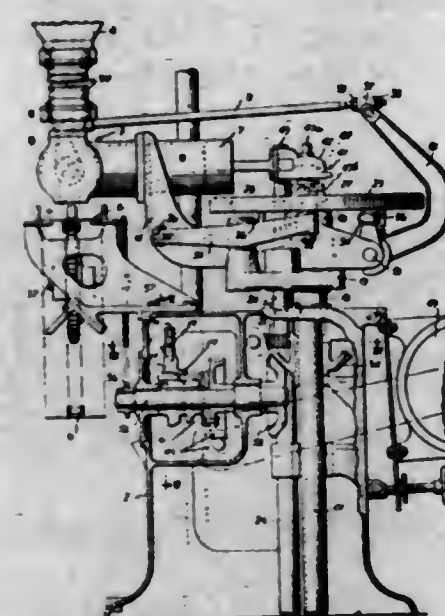
APPARATUS FOR FILLING CONTAINERS WITH LIQUIDS, PASTES, OR DISCRETE MATERIAL

David William Bingham, Middle Brighton, Victoria, Australia

Application May 20, 1941, Serial No. 394,372

In Australia June 7, 1940

4 Claims. (Cl. 226—99)



1. Apparatus for automatically filling containers with liquids, pastes or discrete material, comprising a supporting frame, a container conveyor carried thereby and movable in a straight line path, an oscillatory feeding head overhanging said conveyor and having a discharge port, a control valve therefor, actuating mechanism for said head, a common support upon which said head and mechanism are mounted so as to form a unitary assembly carried by said supporting frame, means for raising and lowering said as-

sembly bodily in relation to said conveyor, and driving means for operating said conveyor and actuating mechanism in unison, said driving means including an upstanding driving shaft about which the feeding head oscillates in an arcuate path overlapping a portion of the straight line path of the conveyor, a main driving cam on said shaft, said cam having a cam track and a rocker arm on said common support actuated by said cam track and which is operatively connected to said feeding head, said cam track being of such a shape that the operation of the rocker arm thereby will cause the feeding head to move forward at the same speed as the conveyor during feeding of each container and the return movement of the feeding head to be more rapid in order to bring the discharge port into registry with the next following container on the conveyor.

2,388,037

RUBBER COMPOSITION AND METHOD OF MAKING SAME

Stewart L. Brams, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

No Drawing. Application January 30, 1943,

Serial No. 474,170

4 Claims. (Cl. 260—763)

4. In a method of making a rubber cement including a mixture of rubber and cyclized rubber in substantially equal proportions and channel carbon black wherein the channel carbon black is always present in quantities in excess of the rubber mixture, the steps comprising, supplying the mixture of rubber, cyclized rubber and channel carbon black in the dry state, to an internal type mixer, mixing the ingredients and simultaneously adding a suitable solvent in controlled small quantities until the mixture assumes a smooth dough-like consistency, and then increasing the addition of solvent until the consistency of the mixture is that desired.

2,388,038

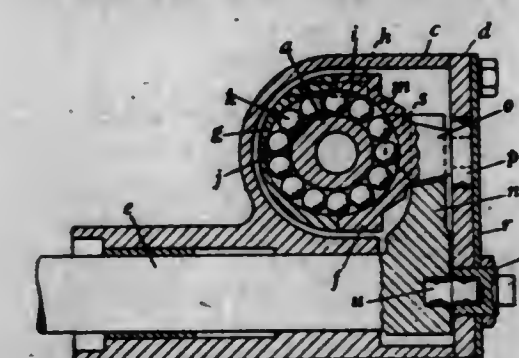
VEHICLE STEERING MECHANISM

Thomas Henry Briggs and Walter Henry Briggs, Birmingham, England, assignors to Burman & Sons Limited, Birmingham, England

Application May 22, 1944, Serial No. 536,802

In Great Britain September 16, 1943

1 Claim. (Cl. 74—499)



A unit of the kind specified, comprising the combination of a rotatable screw, a slidable member operable by the screw, a stem extending from one side of the slidable member, a guide slidably supporting the end of the stem remote from the slidable member, a shaft having its axis at right angles to the axis of the screw, and a forked lever interconnecting the shaft and slidable member, the latter and the lever being provided respectively with and interengaged through the medium of a conical surface and complementary inclined surfaces, and the said conical surface being of such diameter and inclination that a line

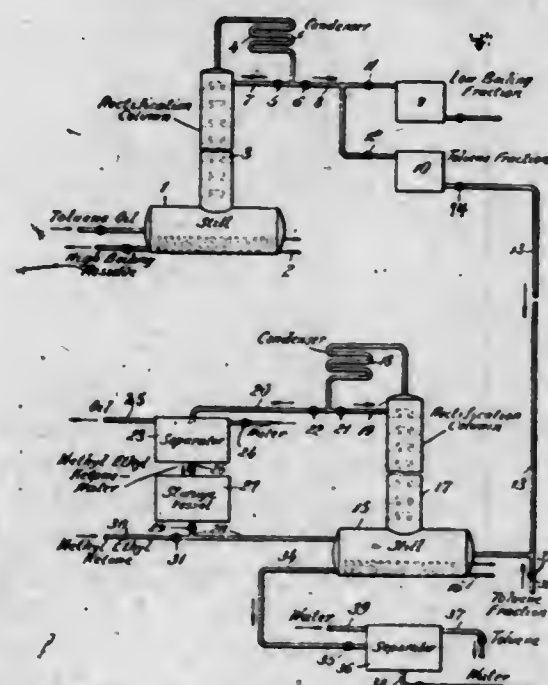
normal to the surface at the position of mean diameter passes through the region of the centre of gravity of the operative part of the slidable member.

2,388,039
SCISSORS AND SHEARS SHARPENER
Otto L. Catt, Oakland, Calif.
Application August 2, 1944, Serial No. 547,701
1 Claim. (Cl. 76-82.2)



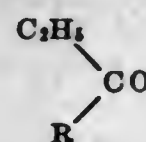
In a device of the kind described, a suitable oblong table having its forward end portion turned down to form a supporting flange at that end, inner and outer oblong clamp plates transversely and pivotally mounted at the rear end of the table, the outer clamp plate being extended down below the plane of the table correspondingly to the height of the down-turned portion of the forward end of the table, means for adjustably locking the outer plate in various angular relations to the surface of the table, and means for releasably clamping the inner and outer clamping plates together upon a shear blade or the like positioned longitudinally between the plates with the cutting edge thereof turned upwardly, the upper margin of the outer clamping plate being turned arcuately inward for more closely conforming to the contour of the blade, a sharpening file, and means extended from the file for slidable contact with the surface of the table, to maintain the file blade in substantially parallel relation to the surface of the table when the file blade is positioned across the cutting edge of the shear blade and reciprocated thereover for the purpose of smoothly and evenly sharpening the shear blade.

2,388,040
PROCESS FOR RECOVERING TOLUENE
Charles R. Clark, Springfield Township, Montgomery County, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application December 20, 1941, Serial No. 423,785
In Canada July 9, 1941
17 Claims. (Cl. 202-42)



1. The process for the recovery of toluene from a toluene fraction containing the same and containing non-aromatic hydrocarbons boiling from

said fraction in the same temperature range as the toluene boils therefrom which comprises azeotropically distilling said toluene fraction in the presence of a ketone having the formula

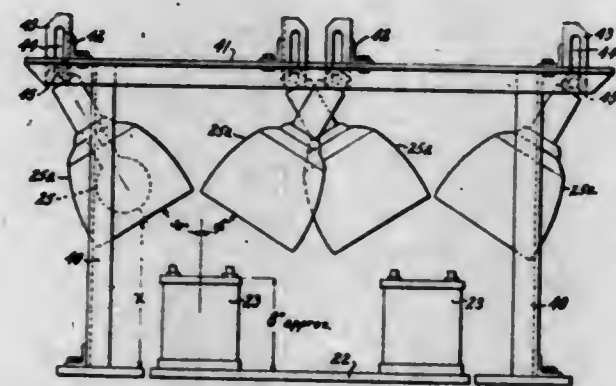


in which R is an unsubstituted alkyl radical containing no more than 2 carbon atoms, and thereby vaporizing said ketone and non-aromatic hydrocarbons present in said toluene fraction, said ketone being present in amount sufficient to separate selectively from said toluene fraction non-aromatic hydrocarbons present therein which distill therefrom in the absence of said ketone in the same temperature range as toluene contained therein and to carry over said non-aromatic hydrocarbons with vapors of said ketone, leaving a hydrocarbon residue of the distillation enriched in toluene.

2,388,041
PROCESS FOR THE EXTRACTION OF BUTADIENE
David Craig, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application July 26, 1941, Serial No. 404,206
2 Claims. (Cl. 202-41)

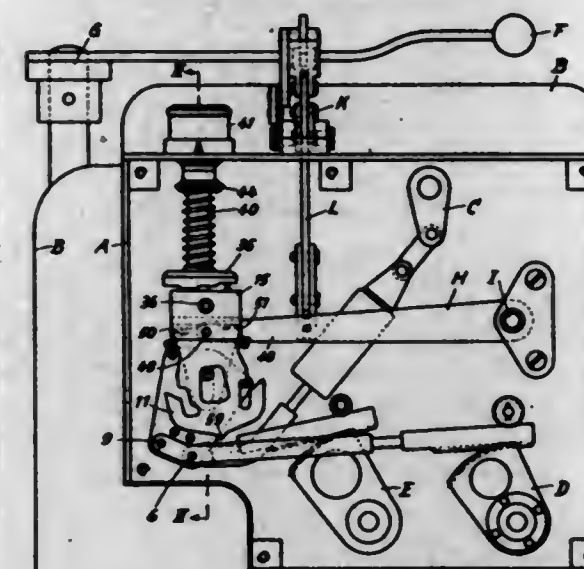
1. A process for separating butadiene from a mixture of butadiene and isobutylene while preventing the formation of polymeric material, which comprises distilling said mixture upward through a fractionating column down which flows a stream of a solution of sulfur dioxide in acetone containing about 0.1 to 1% by weight of dissolved phenyl-beta-naphthylamine, and recovering enriched butadiene from the said solution.

2,388,042
METHOD OF SEALING STORAGE BATTERIES
Robert A. Daily, Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 17, 1943, Serial No. 476,183
3 Claims. (Cl. 18-59)



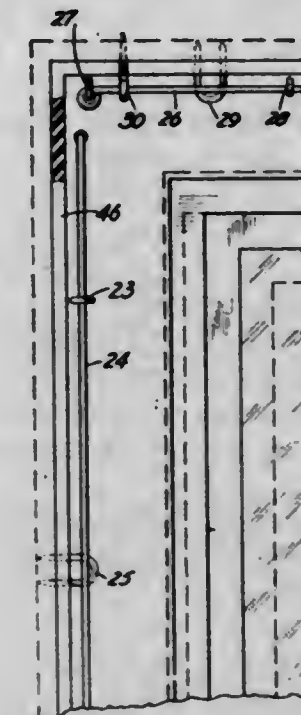
1. The method of sealing a storage battery having an electrolyte containing chamber and inter-fitting parts located above the chamber, said parts having surfaces defining seal grooves located above the joints between the parts which comprise coating the surfaces of the grooves with a solution of the sealing material in a volatile solvent in order to carry the material into the pores of the groove surfaces and to expel air therefrom, drying the coating, and pouring into the grooves heated sealing material with which the coating becomes integral.

2,388,043
SELECTING CONTROL DEVICE
Ernest Alphonse Derungs, Le Locle, Switzerland
Application August 4, 1943, Serial No. 497,376
In Switzerland December 23, 1941
12 Claims. (Cl. 74-473)



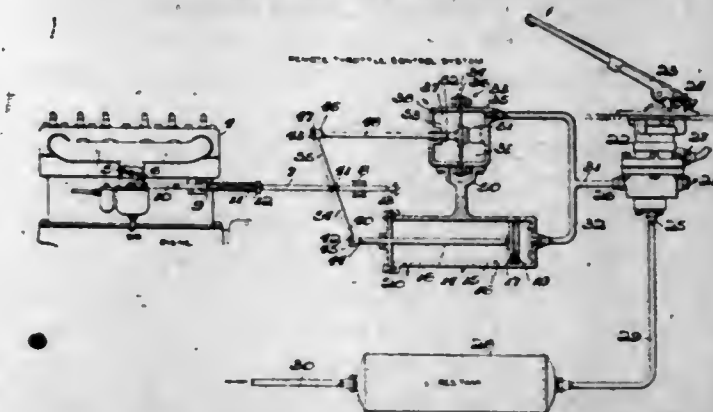
1. In a selecting control device, parts to be displaced, main pushers including spring-loaded contact pieces able to move into the interior of said main pushers, counter pushers acting in opposition to said main pushers, selecting tilting members in constant contact with said counter pushers and movable into different positions determining the displacements of said parts, means for connecting said selector members to said parts, adjustable cams contacting said main pushers to determine the height of said main pushers relative to the axis of rotation of said selecting tilting members, means retaining said selectors against tilting movement, and means for disengaging said retaining means to release said selectors for tilting movement.

2,388,044
STORM WINDOW
Joseph M. Drab, North Royalton, Ohio
Application January 24, 1945, Serial No. 574,265
15 Claims. (Cl. 160-40)



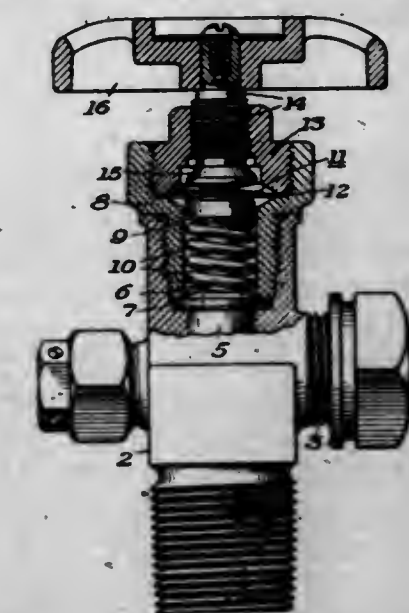
8. A storm window comprising a frame embodying side, top and bottom rails, flanges on the outer edges of the top and side rails disposed to overlie the walls defining the window openings, a resilient bead mounted on said rails, and spring means capable of deforming said bead mounted on said frame and engaged with means mounted on the walls forming the window opening, for the support of the frame.

2,388,045
FLUID PRESSURE CONTROL MECHANISM
Wilfred A. Eaton, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application October 5, 1943, Serial No. 505,067
12 Claims. (Cl. 121-38)



7. The combination with a device to be actuated, of a fluid motor for actuating the device including a cylinder and a piston slidably mounted therein, a fluid actuator for the device including a casing and a flexible diaphragm mounted therein for limited movement with respect to the piston, means including a control valve having a connection with the cylinder and casing for controlling the pressure of fluid therein and for subjecting the piston and diaphragm to the same pressure at all times, and means for connecting said piston, diaphragm and device including an equalizer, said equalizer being proportioned to substantially balance the forces exerted by fluid pressure on the areas of the piston and diaphragm.

2,388,046
PACKLESS VALVE
Clarence O. Emrich, Pittsburgh, Pa.
Application September 18, 1943, Serial No. 502,917
4 Claims. (Cl. 251-31)



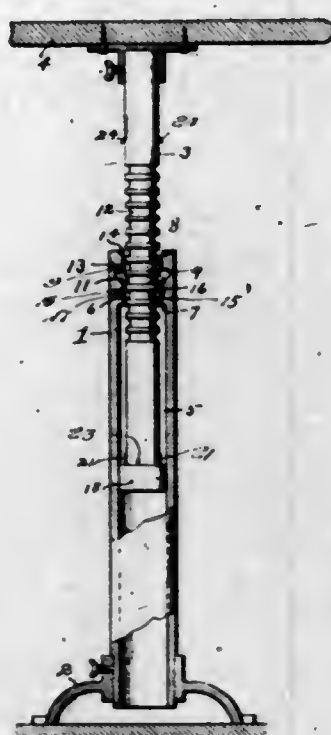
1. In a valve of the type having a valve body with a reciprocable valve element in the body, the valve element having a stem, the valve also having a valve operating element, and a flexible metal diaphragm interposed between the valve stem and the valve operating element forming a packless seal through which motion is transmitted from the valve operating member to the valve stem, wherein the diaphragm is a flexible sheet having a rim portion which is clamped in the valve body and a central area which is convexed in one direction and buttons fused to opposite surfaces of the center thereof to provide wearing surfaces, the sheet being formed of two layers of different metal intimately united over their entire surface, and having different coefficients of thermal expansion whereby temperature, instead of inherent resilience, determines the contour of the convexed portion of the diaphragm.

covering a gasoline of improved octane rating from said cracking zone, reheating the mass of powdered coke by combustion and returning the heated coke uncooled to the viscosity reducing zone in quantities sufficient to supply the heat required for the reaction.

2,388,056

ADJUSTABLE SUPPORT

Nathan V. Hendricks, Adrian, Mich.
Application July 17, 1943, Serial No. 495,235
8 Claims. (Cl. 155-94)



8. An adjustable support comprising a hollow pedestal having an annular keeper groove therein provided with an upper enlarged portion and a lower contracted sloping portion formed by an inclined bottom wall, a rod slidable longitudinally in the pedestal and having a plurality of spaced annular locking grooves formed at different elevations therein, locking balls disposed in the keeper groove for locking engagement with any of the locking grooves in the rod, the balls being engageable by gravity with the lower portion of the inclined bottom wall and an aligned groove in the rod to lock the rod from downward movement and being adapted to slide up said inclined wall and recede into the keeper groove to permit upward movement of the rod, and ball shifting means movable in one direction to force the balls out of the groove in the rod which they engage upwardly and outwardly in the keeper groove and in the opposite direction to allow downward movement of the balls in the keeper groove for locking engagement with the lower portion of the keeper groove and with a groove in the rod.

2,388,057

LUBRICANT

Robert D. Herlocker, Hammond, and Milton Paul Kleinholz, East Chicago, Ind., and Franklin M. Watkins, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine

No Drawing. Application April 24, 1943,
Serial No. 484,465

3 Claims. (Cl. 252-51.5)

1. An improved turbine oil which comprises a petroleum lubricating oil containing a proportion of (di-ethanolaminomethyl)-di-tert.-amylphenol effective to retard rusting.

2,388,058

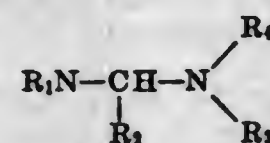
LUBRICANT

Robert D. Herlocker, Hammond, and Milton Paul Kleinholz, East Chicago, Ind., and Franklin M. Watkins, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine

No Drawing. Application April 24, 1943,
Serial No. 484,470

7 Claims. (Cl. 252-51.5)

1. An improved turbine oil which comprises a petroleum lubricating oil containing a proportion, effective to retard rusting, of a diamino-methane derivative of the class represented by the structural formula



where R_1N is a nitrogen-containing heterocyclic radical, R_2 is selected from the class consisting of hydrogen, alkyl and aryl radicals, and NR_3R_4 is a radical selected from the class consisting of nitrogen-containing heterocyclic radicals and radicals wherein R_3 and R_4 are either alkyl or aryl.

2,388,059

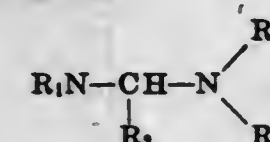
LUBRICANT

Robert D. Herlocker, Hammond, and Milton Paul Kleinholz, East Chicago, Ind., and Franklin M. Watkins, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine

No Drawing. Application April 24, 1943,
Serial No. 484,471

5 Claims. (Cl. 252-50)

1. An improved turbine oil which comprises a petroleum lubricating oil containing a proportion, effective to retard rusting, of a diamino-methane derivative of the class represented by the structural formula



where R_1N is a piperidino radical, R_2 is selected from the class consisting of hydrogen, alkyl and aryl radicals and NR_3R_4 is a radical selected from the class consisting of nitrogen-containing heterocyclic radicals and nitrogen-containing radicals wherein R_3 and R_4 are either alkyl or aryl.

2,388,060

CERAMIC COMPOSITION

William Henri Hicks, Las Vegas, Nev., assignor of one-third to John E. Gallois, San Francisco, and one-third to Harris Hammond, Los Angeles, Calif.

No Drawing. Application June 19, 1943,
Serial No. 491,557

2 Claims. (Cl. 106-71)

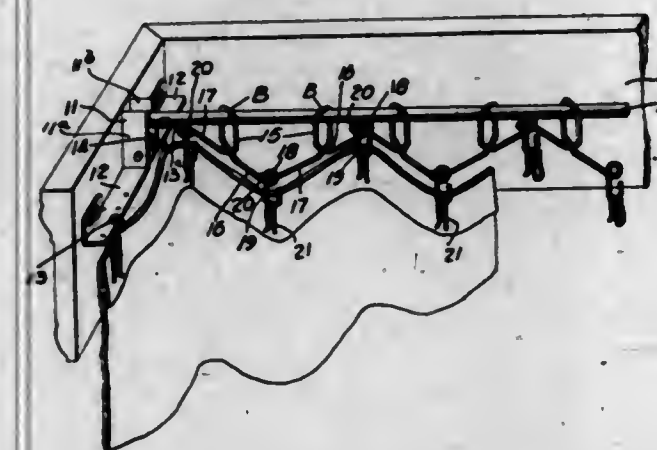
1. The method of making a clay product as a building block, roofing tile, sewer pipe and the like comprising adding from 20 to 100 parts of calcined pulverized perlite to 100 parts of clay and thoroughly commingling the same, and adding thereto a mixture of 30 to 100 parts of cellulose and water, the water being of sufficient quantity to form a plastic mass that may be hand-molded, and drying the product at a temperature not exceeding about 450° F.

2,388,061

CURTAIN SUSPENDING MEANS

Siegfried Gordon Isserstedt, Toronto, Ontario, Canada

Application October 20, 1944, Serial No. 559,594
8 Claims. (Cl. 160-84)



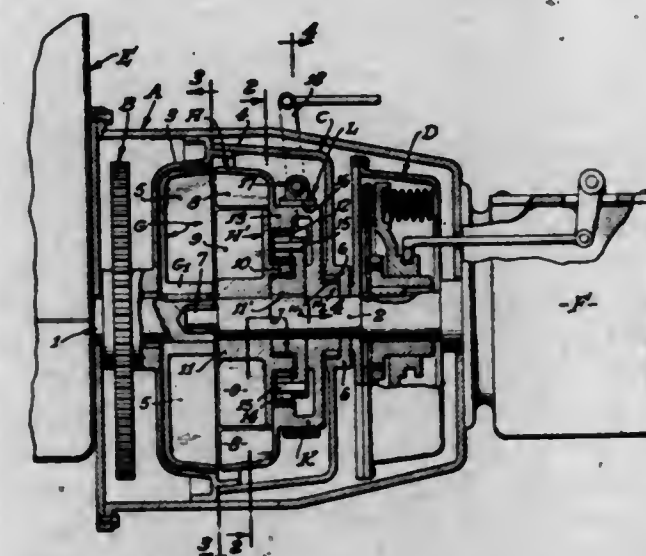
1. Curtain suspending means comprising an element employed in a series and formed with substantially aligned opposite projecting arms, means for suspending a portion of a curtain therefrom and a suspending member projecting from said element intermediate the ends of said arms substantially at right angles to the longitudinal axis of the arms, designed slidably to engage a mounting member, and in grouped series, to suspend the curtain therefrom and means in connection with said suspension member for maintaining said arms horizontally at an incline to the axial line of said mounting member when said curtain is extended whereby said curtain may be suspended in predetermined uniform folds.

2,388,062

MULTIPLE STAGE FLUID DRIVE TRANSMISSION

Rex E. Keller, Beverly Hills, Calif.

Application July 21, 1942, Serial No. 451,743
6 Claims. (Cl. 74-189.5)



1. A fluid drive transmission comprising: a fluid coupling unit including a housing arranged to contain a fluid transmission medium, a driving shaft and a driven shaft coaxially mounted therein, an impeller rotatably mounted in the housing and fixed to the drive shaft, a pair of rotatable runners in the housing loosely carried by the driven shaft, and a planetary transmission unit also in the housing and including a sun gear carried by one of the runners, an orbit gear carried by the other runner, a member intermediate portions of the runners and fixed to the driven shaft, and pinions operably supported on said member and engaging said sun and orbit gears, said runners having vanes disposed in a common

transverse plane and arranged with the vanes on the outermost runner completely overlying and encompassing the vanes on the innermost runner, for differentially applying power to the driven shaft in accordance with variations in the speed of the drive shaft.

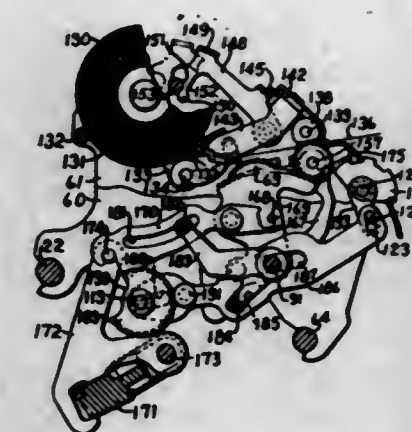
2,388,063

CASH REGISTER

Joseph J. Klosterman, deceased, late of Dayton, Ohio, by Mary Klosterman, executrix, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Original application September 30, 1940, Serial No. 359,047. Divided and this application May 23, 1942, Serial No. 444,223

3 Claims. (Cl. 235-3)



1. In a machine of the class described capable of adding and total printing operations and having impression means, feeding means, an operating member for both of said means, main operating means, and a coupling link to normally couple the operating member to the main operating means, the combination of manipulative means operable to disconnect the coupling link from the main operating means; a device normally blocking movement of the manipulative means; a manually movable control means to control certain elements of the machine for adding and total printing operations; and connections between said manually operable control means and the device whereby said control means adjusts the device out of blocking position, when the control means is moved to a total printing position, to release the manipulative means whereby the manipulative means may be manipulated only when the control means is in total printing position.

2,388,064

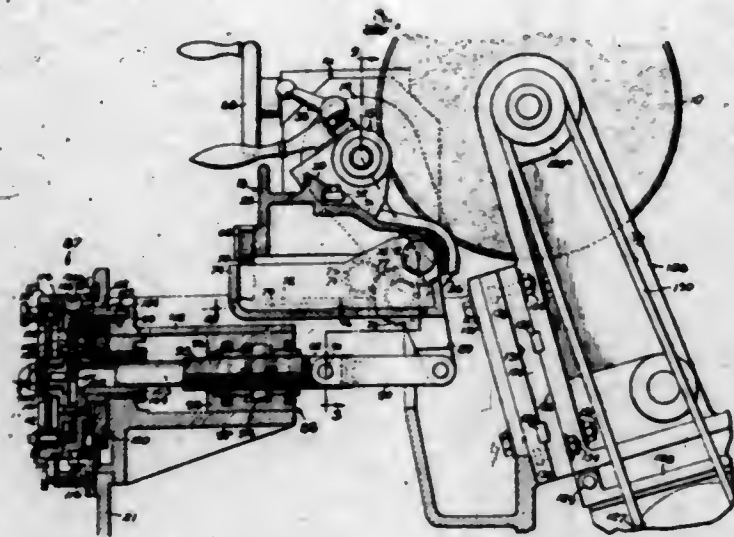
THREAD GRINDER

August F. Markus, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan

Application June 29, 1944, Serial No. 542,719
18 Claims. (Cl. 51-94)

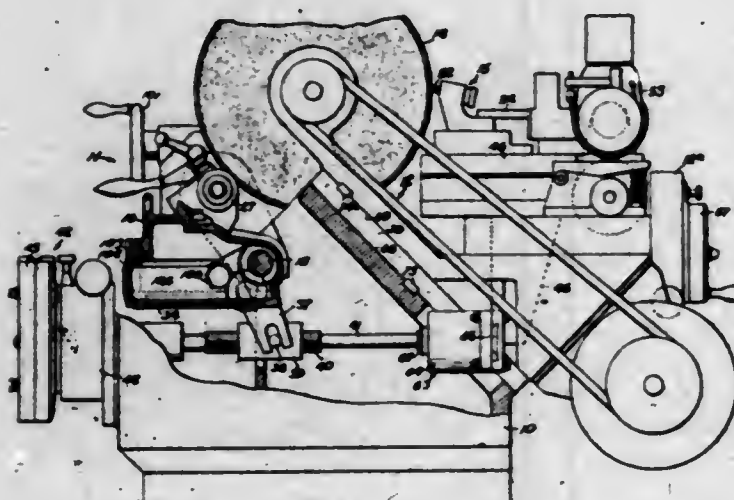
1. A thread grinding machine having, in combination, a base, a rotatively driven grinding wheel mounted on said base, a stationary guide rigid with said base and presenting a cylindrical exterior guide surface positioned with its longitudinal axis substantially paralleling the axis of rotation of said wheel, a work supporting head and an intermediate support disposed, respectively, above and below said guide with the head resting on the intermediate support, both the head and intermediate support being journaled on said guide to swing about the latter's axis,

means restraining said intermediate support against movement longitudinally of the guide while leaving the head free to slide therealong, power actuated means for translating said head



longitudinally of said guide, and means for adjusting the angle of tilt of said intermediate support to adjust correspondingly the displacement of said head with reference to the grinding wheel.

2,388,065
DRESSER COMPENSATING MECHANISM FOR GRINDING MACHINES
August F. Markus, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application August 28, 1944, Serial No. 551,477
13 Claims. (Cl. 51-95)

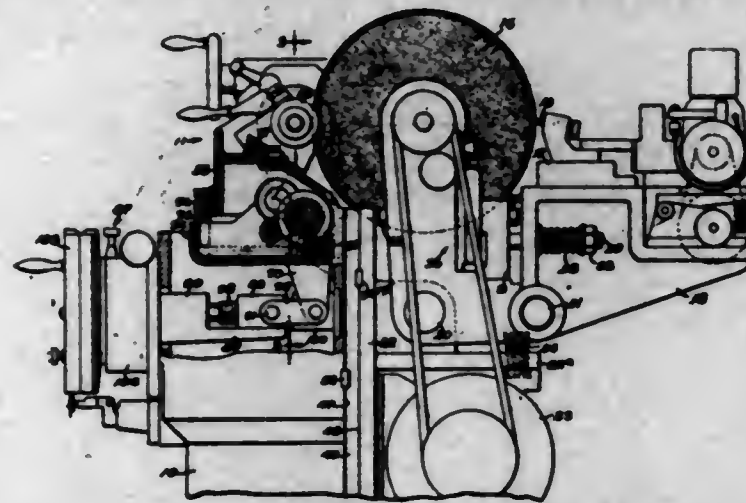


12. In a grinding machine, the combination of a rotatably driven grinding wheel, a work support pivotally mounted to tilt toward and from the wheel, size control means for tilting said work support about its pivot, a dresser support movable toward and from said wheel, and means for tilting said support toward the wheel coincident with, and through a distance proportionate to, each advance of said dresser support toward said wheel.

2,388,066
DRESSER COMPENSATING MECHANISM FOR GRINDING MACHINES
August F. Markus, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application August 28, 1944, Serial No. 551,478
16 Claims. (Cl. 51-95)

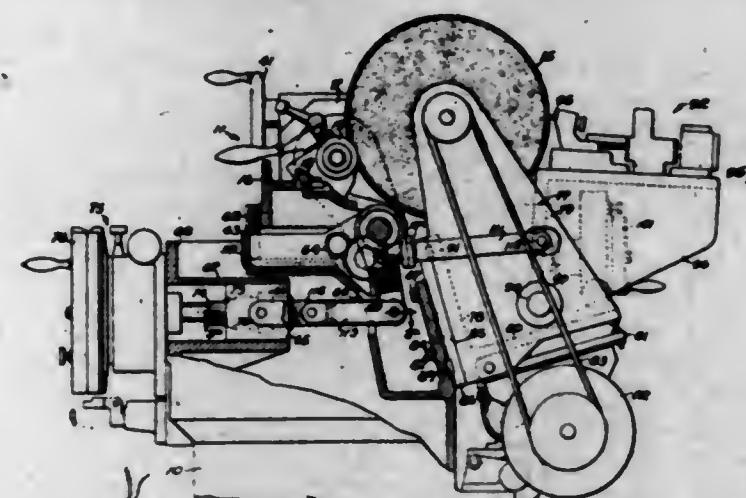
10. In a grinding machine, the combination of work and wheel supports having means thereon

for supporting respectively a workpiece and a rotatively driven grinding wheel, a dresser carried by a support pivotally mounted on said wheel support for rocking motion of the dresser with reference to said grinding wheel transaxially of the



latter, means pivoting said wheel support for rocking of the same generally transversely of a workpiece carried by said work support, and means for rocking said wheel support about its pivot in proportion to pivotal adjustment of said dresser in reference to the wheel.

2,388,067
DRESSER COMPENSATING MECHANISM FOR GRINDING MACHINES
August F. Markus, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application August 28, 1944, Serial No. 551,479
10 Claims. (Cl. 51-95)

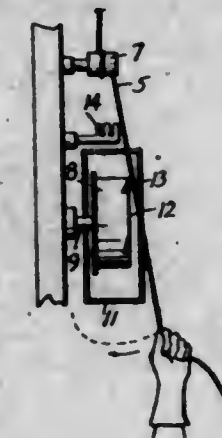


3. In a grinding machine, the combination of a base, work and wheel supports, the latter having a rotatively driven grinding wheel thereon, means pivotally mounting said work support on said base for rocking of the same toward and from said wheel generally transaxially of the latter, size control means for rocking said work support, a dresser support pivoted on said wheel support to rock toward and from said wheel, and means operable in accordance with changes in position of said dresser support with reference to said wheel support for correspondingly rocking said work support.

2,388,068
GODET
Henry J. McDermott, Prospect Park, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application May 4, 1944, Serial No. 534,097
7 Claims. (Cl. 18-8)

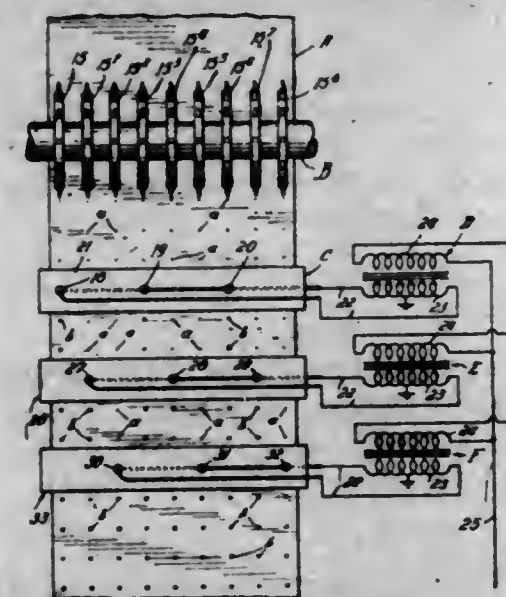
1. A rotatable godet for use in handling filamentary material, said godet having a support-

ing means, an open face away from the supporting means, and at least one notch in the peripheral rim surrounding the open face, the rim being free of projections.



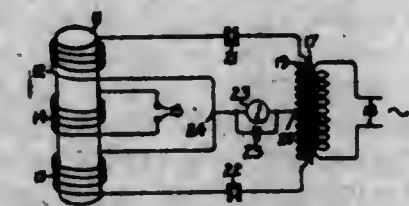
eral rim surrounding the open face, the rim being free of projections.

2,388,069
ELECTROPERFORATION OF SHEET MATERIAL
John W. Meaker, Evanston, and Edward H. Yonkers, Jr., Glenview, Ill.; said Yonkers, Jr., assignor to said Meaker
Application July 24, 1942, Serial No. 452,142
5 Claims. (Cl. 175-265)



2. Apparatus for electro-perforation of dielectric sheet material which comprises in combination: rotatable pin-pricking devices; a plurality of pairs of electrodes providing spark gaps substantially in line with said pin-pricking devices, respectively; means for moving said sheet material in contact with said pin-pricking devices, to form point incisions therein, and thereafter for moving said material through said spark gaps; and means for causing high potential electric currents to discharge across said spark gaps and through said material at said points of incision.

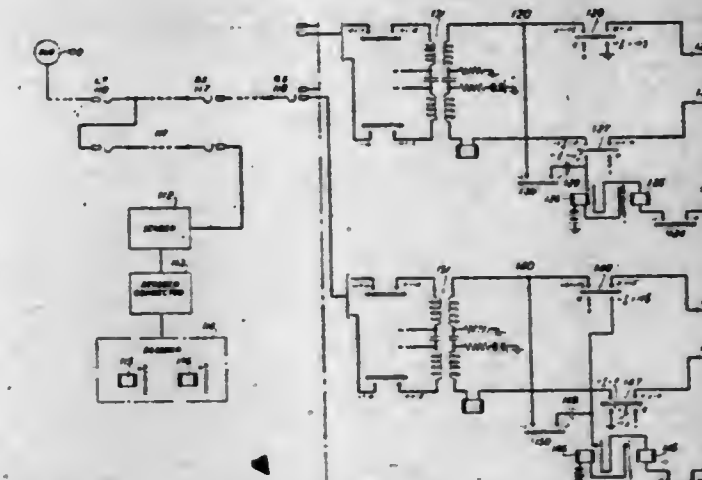
2,388,070
ELECTROMAGNETIC APPARATUS
Hendrik D. Middel, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 22, 1941, Serial No. 407,961
5 Claims. (Cl. 179-171)



1. A direct-current amplifier comprising a core comprising saturable magnetic material, an alternating-current coil in inductive relationship thereto, a direct-current coil also in inductive

relationship thereto and adapted to carry a direct current which is to be amplified, means for energizing the alternating-current coil, a symmetrical type current distorting impedance without unidirectional properties per se, and a direct-current responsive device connected in series with said alternating-current coil, its energizing means, and the current-distorting impedance, whereby the polarized alternating-current reactance coil and the current-distorting impedance acting in conjunction produce a rectifying effect and cause a direct-current component of current in the alternating current circuit to appear in the direct-current responsive device having a greater amplitude than the direct-current input.

2,388,071
SELECTIVE RINGING TELEPHONE SYSTEM
Charles G. Miller, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 11, 1945, Serial No. 572,295
3 Claims. (Cl. 179-17)



1. In a telephone system, a final selector, sets of terminals for said final selector, called lines, a plurality of said called lines connected to certain of said sets of terminals, each of the called lines connected to one set of terminals being identified by the same numerical designation and by a different office code, a plurality of groups of incoming selectors having access to said final selector, each group of incoming selectors arranged to signal a different line of the plurality connected to one set of terminals, and means operated in accordance with a called office code for selecting an incoming selector in a group arranged to signal the line identified by that code.

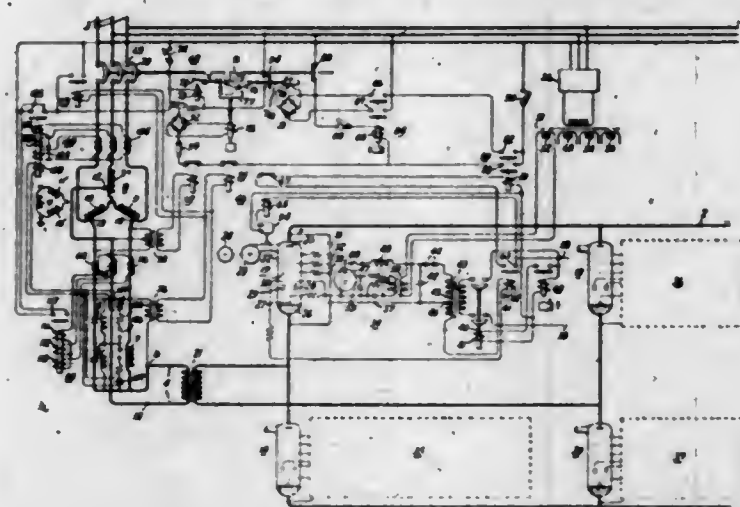
2,388,072
ELECTRIC TRANSLATING APPARATUS AND CONTROL EQUIPMENT THEREFOR
Marvin M. Morack, Scotia, N. Y., assignor to General Electric Corporation, a corporation of New York
Application May 28, 1942, Serial No. 444,863
32 Claims. (Cl. 175-363)

6. In combination, a polyphase alternating current supply circuit, a single phase alternating current circuit, a network comprising a capacitive reactance and an inductive reactance for transforming constant voltage alternating current into alternating current of constant value, means connected to said network for balancing the load imposed on the phases of said supply circuit, and rectifying means connected to said single phase circuit.

19. In combination, an alternating current supply circuit, a load circuit, electric translating

apparatus connected between the circuits and comprising electric valve means including an evacuated receptacle containing therein an anode, a cathode, excitation means and an ionizable medium capable of supporting an arc discharge, means for energizing said excitation means, switching means connected between said supply circuit and said translating apparatus and comprising actuating means for selectively opening and closing said switching means, and a control circuit for operating said switching means and connected to said actuating means and comprising means responsive to the current transmitted by said excitation means and means responsive to the pressure of said medium.

32. In combination, an alternating current circuit, a load circuit, electric translating apparatus connected between said circuits and comprising electric valve means of the type employing an ionizable medium capable of supporting an arc discharge and including an anode, a cathode, an



immersion-ignitor control member, a relieving anode, a holding anode and a plurality of spaced grid members in the path of the arc discharge between said anode and said cathode, an excitation circuit for transmitting impulses of current to said immersion-ignitor control member to initiate arc discharges, means for connecting said relieving anode to said excitation circuit so that upon initiation of an arc discharge an appreciable portion of the excitation current is transferred from the immersion-ignitor control member to said relieving anode, and means for impressing on said holding anode a voltage to maintain an arc discharge within said electric valve means during a predetermined portion of each cycle of the voltage of said supply circuit after the initiation of an arc discharge by the energization of said immersion-ignitor control member, and means comprising a voltage divider connected across said anode and said cathode for impressing on said grid members different predetermined components of the anode-cathode voltage.

2,388,073

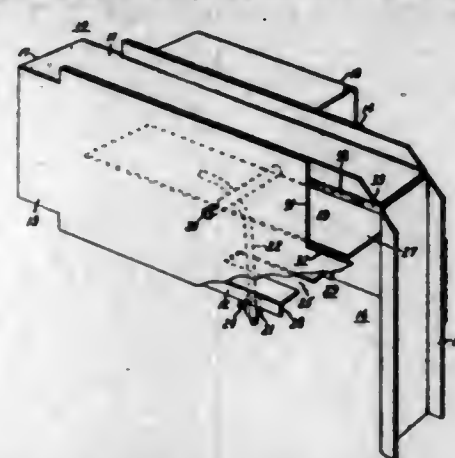
FLUID FLOW CONTROL

Ronald W. Olsen, Bloomfield, N. J., assignor to General Electric Company, a corporation of New York

Application April 29, 1941, Serial No. 390,961
4 Claims. (Cl. 137-152)

1. In a fluid flow system, the combination of a rectangular duct having one half of the inlet end thereof provided with inlet flow directing edges in opposing alignment and having an offset inlet opening formed in the opposite half thereof, and a centrally pivoted rectangular damper biased lengthwise in said duct to divide the flow between said halves and angularly movable in response to said divided flow to regulate said flow and

having the leading end thereof substantially facing said opening and angularly movable between



and extending beyond said edges to control the regulating range of said damper.

2,388,074

LUBRICANTS

John A. Patterson and Rush F. McCleary, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application April 22, 1942,
Serial No. 440,098

11 Claims. (Cl. 252-35)

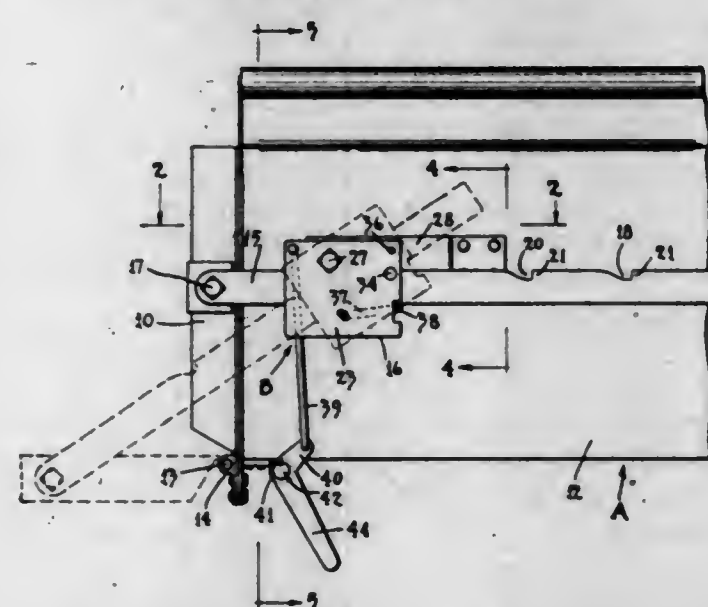
1. A lubricant comprising a hydrocarbon oil and a small quantity, sufficient to impart oxidation-resistant properties to said oil, of an oil-miscible metal derivative of the oil-soluble phenolic compositions derived from an oil extracted from a member of the Anacardium genus of the Anacardiaceae family.

2,388,075

LATCHING MECHANISM FOR ENDGATES

Harry Peters, Scribner, Nebr.

Application October 5, 1944, Serial No. 557,307
11 Claims. (Cl. 292-267)



1. A structure of the character described for releasably latching an end-gate pivoted to a vehicle body, said structure including similar latching mechanisms at opposite sides of the vehicle-body, each mechanism comprising a latch-bar pivoted at one end to its respective end of said end-gate and formed with a series of notches therealong, a latch-block pivoted to the vehicle-body and slidably guiding said latch-bar upon the opening and closing of the end-gate, said latch-block being tiltable together with said latch-bar and also tiltable relative thereto, a pawl carried by the latch-block, said pawl being engageable with the notched portion of the latch-bar upon the tilting of the latch-block in one direction relative to the latch-bar and disengageable from such notched portion of said latch-bar upon the reverse tilting of said latch-block rela-

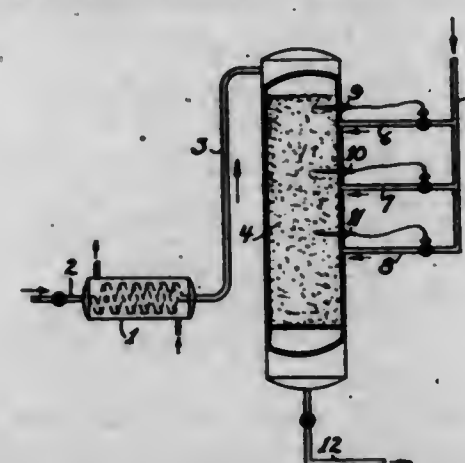
tive to said latch-bar, spring means acting yieldingly to tilt the latch-block in said first direction and cause the engagement of said pawl with any of said notches encountering the same, releasing means for opposing the action of said spring means and effecting the said reverse tilting of said latch-block to cause said pawl to be disengaged from such notch, said releasing means including a trip-lever, the trip-levers of the two mechanisms being connected together and coordinated in their movements whereby, upon the operation of either trip-lever, both mechanisms will be actuated to free their respective pawls from their respective latch-bars.

2,388,076

PROCESS FOR STABILIZING A PETROLEUM OIL

Gerald E. Phillips, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application September 14, 1943, Serial No. 502,235
4 Claims. (Cl. 196-147)



1. A process for stabilizing a petroleum oil fraction of essentially the motor fuel range and containing a substantial quantity of unsaturated compounds, which comprises contacting the same in liquid phase with a bed of an activated clay catalyst at a temperature at least as high as 300° F. and controlling the temperature within the reaction zone by introducing water into the catalyst bed at a plurality of points and only in an amount which is not more than about 1%, based on the feed stock.

2,388,077

LENS SYSTEM

Joseph D. Reardon and Nathan Gottlieb, Buffalo, N. Y., assignors, by mesne assignments, to American Optical Company, Southbridge, Mass., a voluntary association

Application August 25, 1942, Serial No. 456,301
3 Claims. (Cl. 88-57)



1. A lens system of the character described, comprising a front doublet member consisting of a double concave front element of medium flint glass having an index of refraction of approximately 1.617, and an Abbe number of approximately 36.6, said element having an axial thickness of approximately 0.9 mm. and the front surface thereof having a radius of approximately 42.5 mm. and the rear surface thereof having a radius of approximately 11.2 mm., and a double convex rear element of spectacle crown glass having an index of refraction of approximately 1.52,

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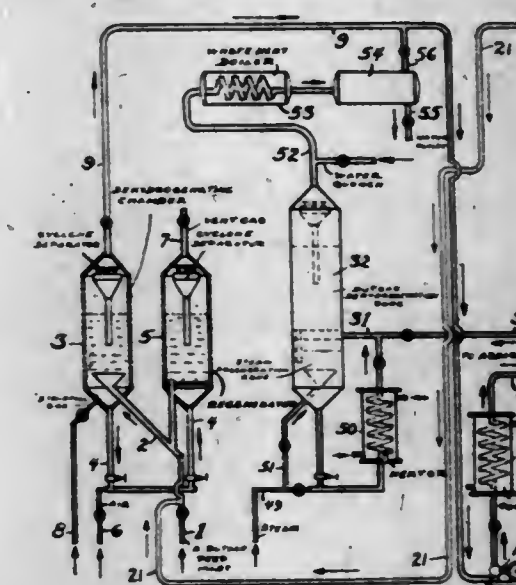
an Abbe number of approximately 58.5, an axial thickness of approximately 3.3 mm., and the front surface thereof having a radius of approximately 11.2 mm. and the rear surface thereof having a radius of approximately 7.6 mm., and a rear member consisting of a single double convex element of spectacle crown glass having an index of refraction of approximately 1.52 and an Abbe number of approximately 58.5, said element having an axial thickness of approximately 4.0 mm. and the front surface thereof having a radius of approximately 39.8 mm. and the rear surface thereof having a radius of approximately 26.5 mm., the separation between said members being approximately 26 mm., the lens system being formed according to the above computations or a ratio thereof.

2,388,078

PROCESS FOR CONVERSION OF NORMAL BUTANE TO BUTADIENE

Edward D. Reeves, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application October 31, 1942, Serial No. 464,083
5 Claims. (Cl. 260-680)



1. The process of converting paraffins to diolefins which comprises contacting butane with a dehydrogenation catalyst at a reaction temperature and pressure, separating hydrocarbons from the catalyst and contacting said hydrocarbons with a solvent to absorb hydrocarbons having at least 4 carbon atoms to the molecule, removing unreacted paraffins from the solvent and recycling the said unreacted paraffins to further contacting with the dehydrogenation catalyst, removing olefins from the solvent and contacting the olefins with a second dehydrogenation catalyst, separating hydrocarbons from the second dehydrogenation catalyst and admixing the hydrocarbons separated from the second dehydrogenation catalyst with the hydrocarbons separated from the first catalyst prior to contacting the latter hydrocarbons with the solvent and finally recovering from the solvent substantially pure diolefins.

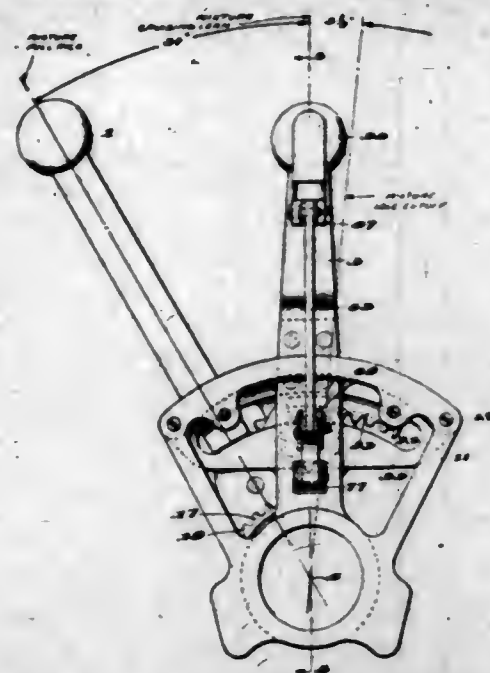
2,388,079

CONTROL LEVER

Murray B. Rhodes, Kew Gardens, N. Y., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application September 21, 1944, Serial No. 555,071
5 Claims. (Cl. 74-471)

1. In an engine control mechanism, a throttle lever movable between closed and open positions, a mixture control member movable between lean and rich positions and means actuated by the throttle lever comprising a rack adapted to

engage a one-way clutch, a pinion mounted coaxial with said one-way clutch to rotate therewith, said pinion meshing with a second rack mounted on said mixture control member so that



movement of the throttle from open to closed position rotates said pinion meshing with said second rack to move said control mixture toward its rich position, and manual means secured to the mixture control member for disengaging said pinion and one-way clutch from the said racks.

2,388,080

ALUMINA AND SILICON CARBIDE REFRACTORY

Frank H. Riddle, Detroit, Mich., assignor to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware

No Drawing. Application June 29, 1940, Serial No. 343,265

5 Claims. (Cl. 106—44)

1. A refractory having high strength at temperatures as high as 2650° F. and formed by firing together a batch, the major portion of which consists of a mixture of silicon carbide and alumina, ground to 80 mesh and finer, the silicon carbide being present in a proportion of from 11 to 29 parts to 100 parts of the alumina in the said mixture.

2,388,081

CATALYTIC ISOMERIZATION OF HYDROCARBONS

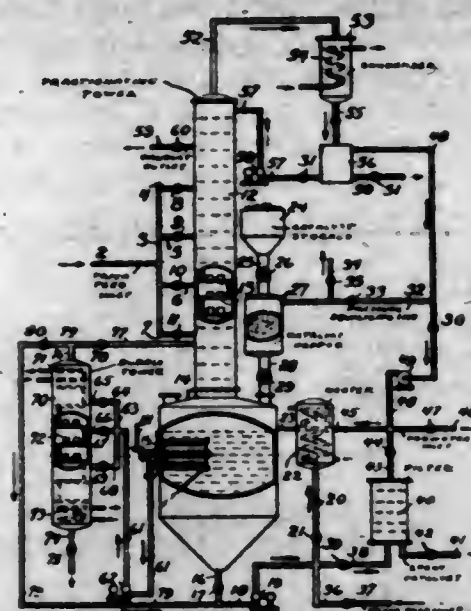
Anthony E. Robertson, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Original application August 12, 1939, Serial No. 289,867. Divided and this application May 26, 1942, Serial No. 444,505

4 Claims. (Cl. 260—683.5)

1. A continuous process which comprises reacting a refinery C₄ cut substantially free of olefins and containing substantial amounts of normal butane in a combination isomerization-fractionation operation under isomerization reaction conditions in the presence of an aluminum halide and a hydrogen halide, directly, simultaneously and continuously removing overhead from the boiling liquid reaction mixture as distillate substantially only products of the reaction boiling below normal butane, removing at least a portion of the undistilled boiling liquid reaction mixture substantially free of aluminum halide from the reaction zone, and separately and independently fractionally distilling the said undistilled boiling liquid reaction mixture to obtain at least two fractions, one of which is higher boiling than the normal butane and the other of

which boils at substantially the boiling point of normal butane, continuously returning to the



isomerization reaction zone the second-mentioned fraction and removing from the isomerization system the first-mentioned fraction.

2,388,082

PAINT REMOVER

Joseph C. Roediger, Brooklyn, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application November 22, 1941, Serial No. 420,087

2 Claims. (Cl. 252—154)

2. In a process of removing finish compositions from painted, varnished, and lacquered surfaces, the step of disintegrating the coating by covering the finish coating with a solvent composition, comprising 45 to 53% by weight of an alcohol having 2 to 5 carbon atoms to the molecule, 35 to 43% by weight of a petroleum naphtha having a boiling range of 180° to 500° F., 3 to 6% by weight of paraffin wax and 3 to 10% by weight of an oil-soluble amine having at least 8 carbon atoms to the molecule, selected from the group consisting of lauryl amine, diphenyl amine, decyl amine, laurylmethyl amine, lauryl dimethyl amine, and heptadecyl amine.

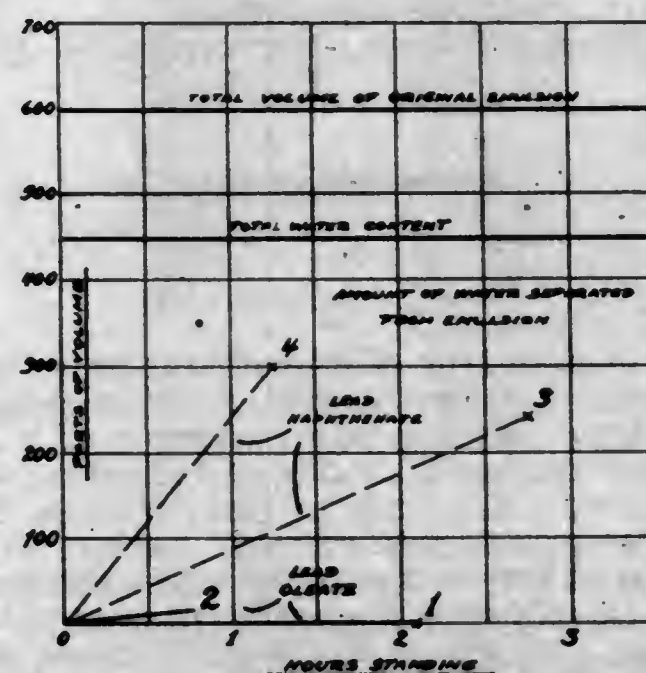
2,388,083

LUBRICANT

Maurice Reswick, New Brighton, Staten Island, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware

Application April 5, 1941, Serial No. 387,008

6 Claims. (Cl. 252—37)



1. A lubricant comprising a major proportion of mineral lubricating oil, about 5-25% by weight

of a lead soap of naphthenic acids containing at least one cyclic nucleus, and a small amount of a hydroxy aromatic hydrocarbon having a water-solubility less than about 5 grams per 100 cc. of water at 20° C.

2,388,084

PYROLYSIS OF PINANE

Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 15, 1943, Serial No. 487,152

9 Claims. (Cl. 260—680)

1. A method of isomerizing pinane to a mixture of dihydrocyclic terpenes which comprises heating vapors consisting of vaporized pinane-containing material at a temperature above about 400° C. until isomerization is at least partially complete.

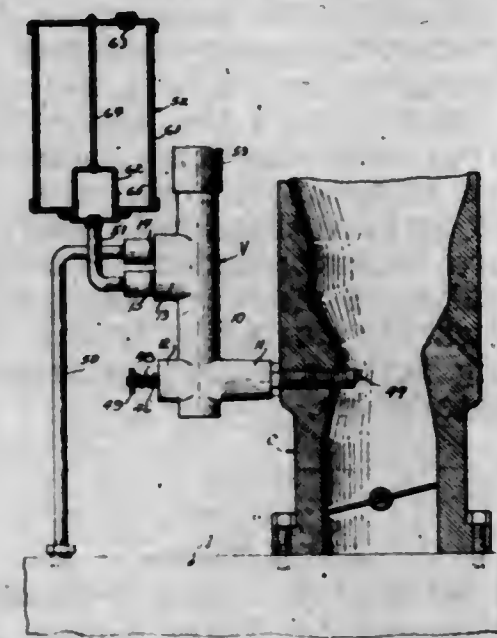
2,388,085

SUPPLEMENTARY FUEL INJECTION CONTROL STRUCTURE

Loren Russell, New York, N. Y., assignor to Vita-Meter Corporation, New York, N. Y., a corporation of Delaware

Application August 31, 1944, Serial No. 552,144

6 Claims. (Cl. 123—127)



1. A valve structure for controlling the feed of supplementary fuel to an internal combustion engine comprising a housing, having an inlet for supplementary fuel and an outlet passageway for flow of fuel to the engine, a primary valve in said housing, a calibrated spring tending to move said valve in opening direction, means within said housing connected with said valve and adapted to be subjected to vacuum of the engine tending to move said valve in closing direction whereby said spring and vacuum will conjointly control the volume of flow of supplementary fuel into said housing for discharge therefrom through said outlet passageway, and a shut off valve in said housing between said primary valve and said outlet passageway movable with said primary valve to be opened for fuel flow through said outlet passageway when said primary valve is fully closed and to shut off flow to said outlet passageway when said primary valve is fully opened.

2,388,086

GLYOXAL-KETONE CONDENSATION PRODUCTS AND PROCESS OF MAKING THEM

John B. Rust, Verona, N. J., assignor to Montclair Research Corporation, a corporation of New Jersey

No Drawing. Application November 20, 1942, Serial No. 466,368

13 Claims. (Cl. 260—64)

1. The process of making a resinous condensation product which comprises heating glyoxal and an aqueous solution of an acyclic ketone having a reactive methylene group, any oxygen present in the ketone being in the form of the carbonyl group only under reflux until a resinous condensation product is formed.

2,388,087

PROCESS OF ACID-TREATING A THERMALLY CRACKED PETROLEUM DISTILLATE

William J. Ryan, Wilmington, and Marcus T. Kendall, Long Beach, Calif., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application July 10, 1943, Serial No. 494,260

9 Claims. (Cl. 196—40)

1. A process of acid treating a thermally cracked petroleum distillate to remove gum-forming constituents which comprises contacting the distillate with an acid sludge containing about 40 to 60 per cent H₂SO₄, separating the distillate from the resulting sludge, then contacting the distillate with sulfuric acid of about 55 to 60 per cent strength selected from the group consisting of fresh sulfuric acid and regenerated sludge acid, and separating the distillate from the sludge formed, the treated distillate being characterized by a reduced gum content and good color.

2,388,088

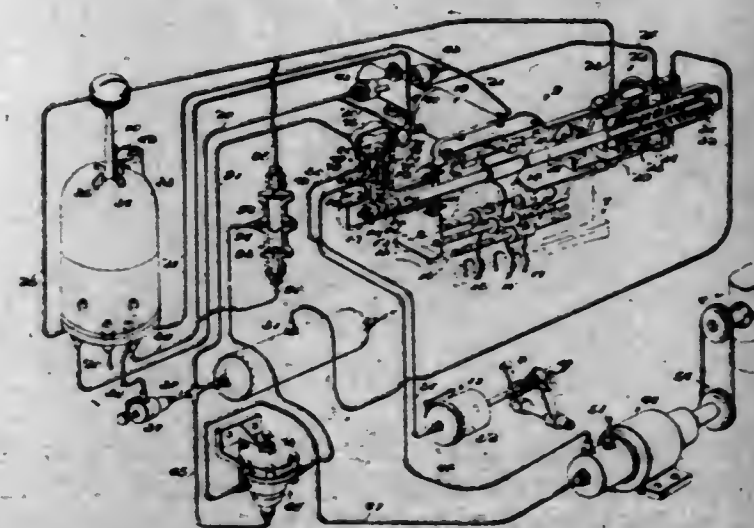
GEAR SHIFTING MECHANISM

Roy S. Sanford and William J. Andres, Pittsburgh, Pa., assignors to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware

Application October 28, 1937, Serial No. 171,567

Renewed November 18, 1939

33 Claims. (Cl. 192—3.5)



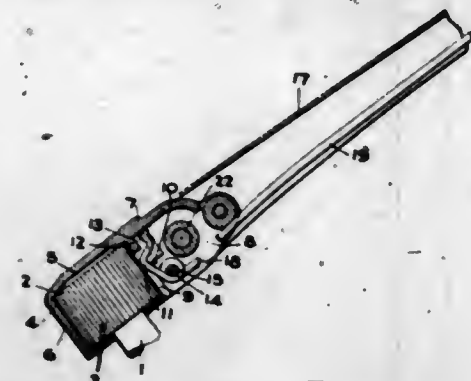
1. In combination with an automotive vehicle engine, a gear-changing mechanism including a plurality of members operable to establish different gear ratios, a clutch-controlling member, means including a fluid motor for controlling the clutch-disengaging and engaging movements of said last named member, valve means operable by said mechanism for controlling the energization of said motor, other valve means controlled by said mechanism for controlling the energization of said motor.

by the speed of said engine for effecting energization of said motor, and means for rendering the last named valve means inoperative to energize the fluid motor, irrespective of engine speed, when the said mechanism is operated to establish a predetermined gear ratio.

2,388,089

WINDSHIELD CLEANER

Anthony C. Scinta, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application July 19, 1944, Serial No. 545,623
7 Claims. (Cl. 287—53)

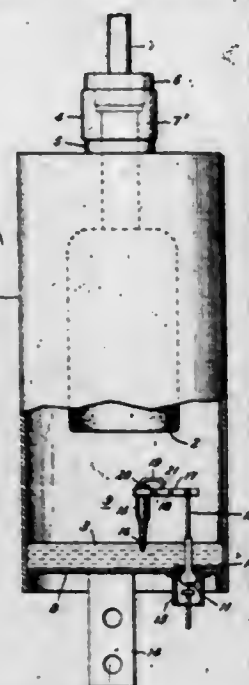


7. A wiper arm having a shaft receiving socket formed with a slot in its side wall, and a spring wire anchored at one end and having its opposite end extending toward the inner end of the socket and free for yielding movement in the slot, the intermediate portion of the wire being displaced outwardly from the slot into the socket to form a friction shoe engageable with such shaft when in the socket.

2,388,090

ELECTRODE ASSEMBLY

Edwin W. Scott, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application June 22, 1944, Serial No. 541,537
6 Claims. (Cl. 250—27.5)

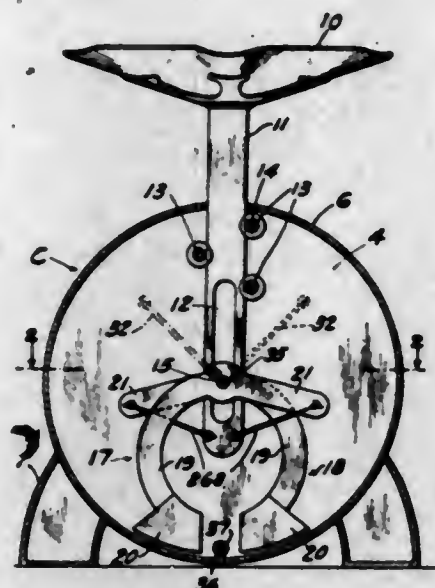


1. An electrode assembly for an electric discharge device comprising an elongated electrode having a resistance which is relatively high with respect to the remainder of the circuit in which it is connected, a first conductor for supporting and supplying current to said electrode including a portion encircling and tightly gripping one end of said electrode and provided with a portion for supporting said electrode from a lead-in conductor of the device and a second conductor having one end secured in an opening formed in said electrode and the other end secured to said first conductor.

2,388,091

SPRINGLESS COUNTER SCALE

Renwick J. Sharp, Guatemala, Guatemala
Application November 13, 1944, Serial No. 563,129
5 Claims. (Cl. 265—61)

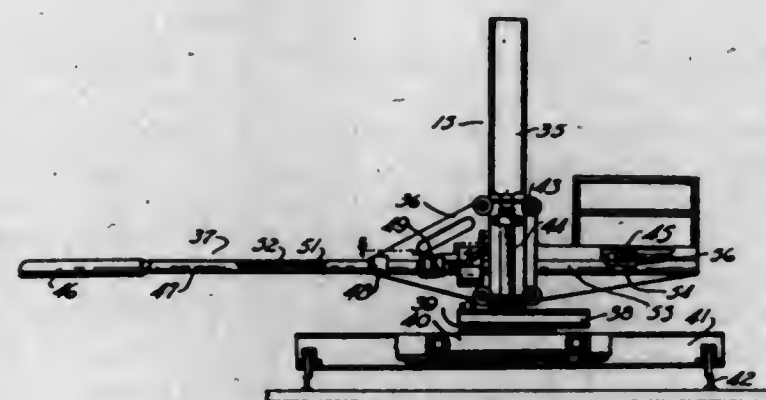


4. In a weighing scale, a casing having two upstanding spaced apart parallel side walls, a rod upstanding from the interior of said casing and projecting upwardly therefrom, a weighing pan carried by the upwardly projecting portion of said rod, a pivot pin extending transversely of said casing, two arcuate levers within said casing supported by said pin to swing in opposite directions, each of said levers having a weighted end portion extending in a more or less downward direction during all operative positions of the device, weight indicating means operatively connected with said levers, and operating connections between said pan-carrying rod and said levers to swing the latter, said operating connections consisting of two pairs of wire cords, whereby said rod applies downward traction to said levers, and said cords are so positioned as to distribute the stress in a balanced manner upon said rod as it moves downwardly during weighing operations, thus swinging farther apart the weighted ends of said arcuate levers.

2,388,092

SMELTER

Frank G. Shaub and Arthur E. Jennens, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application October 24, 1942, Serial No. 463,144
5 Claims. (Cl. 214—30)

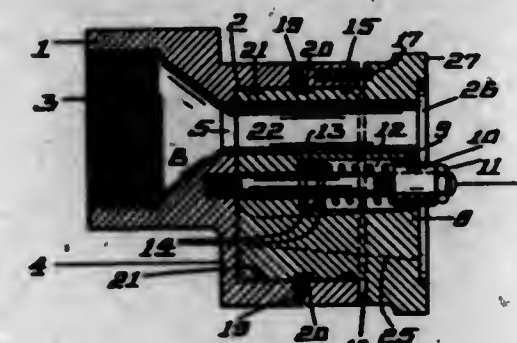


1. In a smelter charging device, a peel comprising a tube, a bucket at one end of said tube, said tube being mounted for axial rotation, a screw conveyor enclosed within said tube, means to extend said screw conveyor from said tube and means to impart axial rotation to said screw conveyor.

2,388,093

LIQUID DELIVERY APPARATUS

Frank Smith, Huddersfield, England
Application January 16, 1943, Serial No. 472,647
In Great Britain October 8, 1942
1 Claim. (Cl. 299—139)

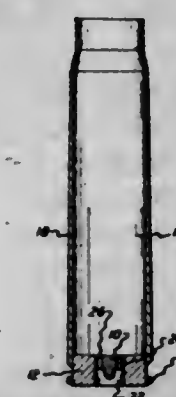


A liquid delivery apparatus comprising a tubular body having a liquid inlet at one end and a cavity at its other end, said cavity being offset axially relative to the inlet and communicating therewith through a reduced port, a revolvable member mounted in said cavity and having spaced circumferentially disposed liquid outlet openings arranged selectively to register with said port, said openings being of different diameters to eject the liquid in the form of a jet or a spray from the revolvable member, said revolvable member having a centrally disposed bore registering with a threaded recess in said body, said bore having a shoulder portion therein, a stud extending through the bore of the revolvable member and having its ends threaded, the inner end of said stud being connected to said threaded recess, spring means confined between the shoulder portion of the bore and the outer end of the stud for maintaining the tubular member in said cavity, and yieldable means carried by said body and disposed substantially parallel to the axis of the revolvable member so as to engage said flange for maintaining the tubular member in a fixed position relative to said body.

2,388,094

CARTRIDGE CASE

Samuel A. Snell, Jackson, Mich., assignor, by mesne assignments, to Ryerson & Haynes, Inc., Jackson, Mich., a corporation of Michigan
Application December 5, 1941, Serial No. 421,715
1 Claim. (Cl. 102—44)

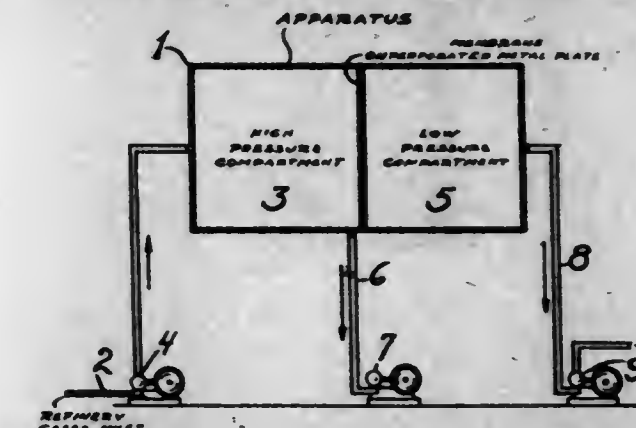


As an article of manufacture, an unfinished cartridge case comprising a three part assembly consisting of a main tubular body, a flat sheet metal disk constituting the cartridge head and assembled in one end of said tubular body, with a substantial portion thereof projecting beyond said tubular body, said sheet metal disk approximating the inner diameter of the end of said tubular body in which it is secured and being of uniform cylindrical shape throughout, and an ejector flange in the form of a ring embracing the outer end of said sheet metal disk in spaced relation to the end of said tubular body in which said sheet metal disk is secured.

2,388,095

REFINING PROCESS

Eldon E. Stahly, Baton Rouge, La., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
Application January 25, 1940, Serial No. 315,494
10 Claims. (Cl. 183—115)



1. Process for the segregation of iso-olefins from gases containing the same, comprising contacting said gases with a solid, high molecular weight, substantially saturated aliphatic polymer solvent which has been produced by polymerizing relatively low molecular weight mono-iso-olefinic hydrocarbons, under conditions to selectively dissolve said iso-olefins, followed by recovering said iso-olefins from said solvent.

2,388,096

SWAB CONSTRUCTION

John Charles Trindl, Chicago, Ill.
Application May 28, 1942, Serial No. 444,851
2 Claims. (Cl. 15—229)



1. In a cleaning device for use with liquid cleaning agents, a backing member having an attachment and pressing surface for receiving a liquid absorptive cleaning assembly, said assembly including a plurality of elongated units of pliant fabric strands, some of which are shorter than the width of said attachment surface and some of which are longer than the first named strands, means for securing said units of strands longitudinally of said surface in compacted relationship at the secured portion thereof, said shorter strands being disposed in surface engagement with the longitudinal edge margins of said surface and the longer strands being disposed longitudinally of the surface and progressively toward the transverse center thereof so that the longest strands extend outwardly from substantially said longitudinal center of said surface and are maintained substantially within the confines of the attachment and pressing surface by said shorter strands.

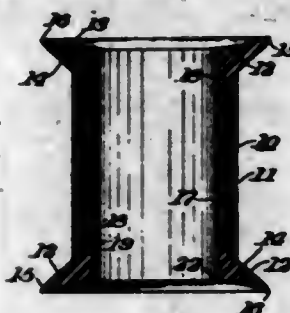
2,388,097

RUBBER PROTECTOR

Russell J. Turner, Butler, Pa.
Application November 13, 1943, Serial No. 510,248
3 Claims. (Cl. 288—2)

1. A flexible protector body for disposition about a member operable in aligned openings in

spaced blocks movable relative to each other, consisting of a cylindrical rubber sleeve, a radially disposed rubber flange integral with each end of the sleeve forming a spool, and concave end faces on said flanges arranged to flatten in engagement on said blocks when under initial compression to



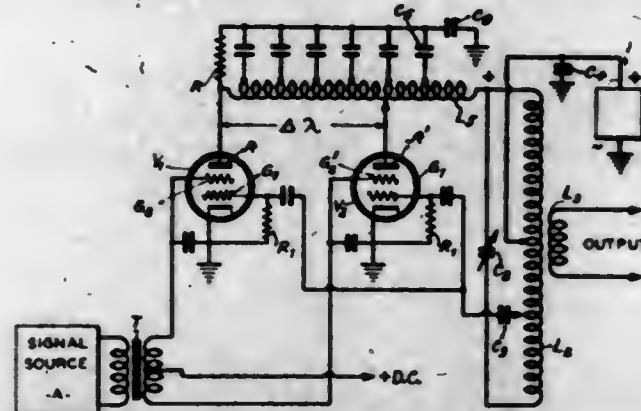
cause the bore of the sleeve to bulge inwardly at the flanges and direct the centrally adjacent portions of the sleeve annularly outwardly to properly guide the flexing of the intermediate portion of the sleeve when the blocks move closer together.

2,388,098

WAVE LENGTH MODULATION

George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application September 29, 1942, Serial No. 460,043
12 Claims. (Cl. 179—171.5)



1. In a wave length modulation system, a tank circuit, a pair of electron discharge devices each having input and output electrodes including a cathode, a coupling between a point intermediate the terminals of the tank circuit and the cathodes of said devices, couplings between a point on said tank circuit at one side of said intermediate point and the input electrodes of each of said devices, couplings between a point on said tank circuit at the other side of said intermediate point and the output electrodes of said devices, whereby oscillations are generated in said devices and circuits when operating potentials are applied to the electrodes of the devices and the generated voltages are substantially of opposed phase on said input and output electrodes, phase shifters in at least one of the couplings between the tank circuit and an electrode of one of said devices to alter the said substantially opposed relation between the voltages on the input and output electrodes of said one of said devices and connections for differentially modulating the impedances of said devices in accordance with signals.

2,388,099

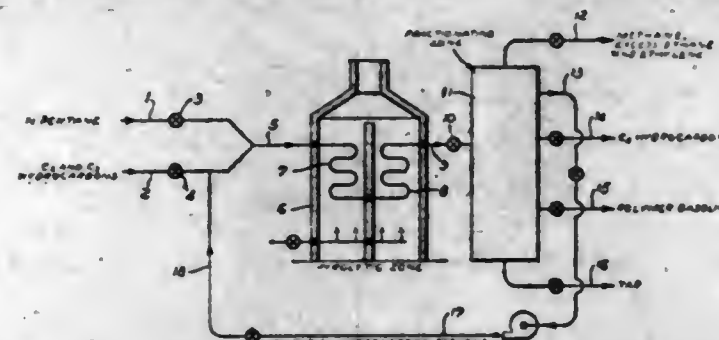
MANUFACTURE OF BUTYLENES

Clare Kenneth Viland, Martinez, and Herschel Y. Hyde, Associated, Calif., assignors to Tide Water Associated Oil Company, San Francisco, Calif., a corporation of Delaware

Application January 14, 1943, Serial No. 472,412
9 Claims. (Cl. 260—683)

1. The process of producing a mixture of C_4 hydrocarbons containing a high proportion of butyl-

enes, which comprises: subjecting a hydrocarbon fraction consisting essentially of normal pentane to a temperature in the range of 1000° F. to 1300° F. while in the presence of added amounts of hydrocarbons from the group consisting of ethane, ethylene, propane, and propylene and in



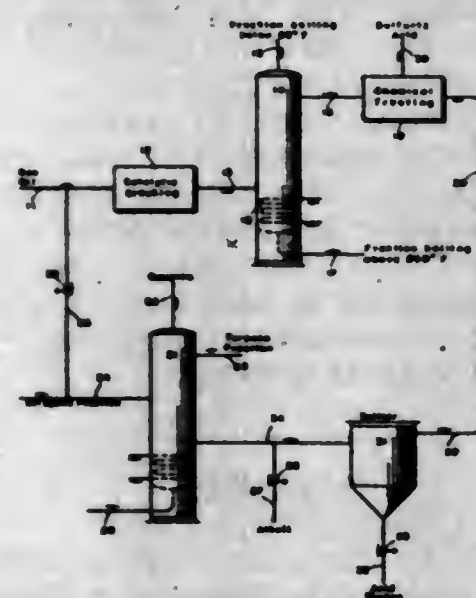
the substantial absence of other added hydrocarbons; fractionally distilling the resulting products; and separating therefrom a mixture of C_4 hydrocarbons; the molal ratio of normal pentane to C_2 and C_3 hydrocarbons subjected to the reaction being between about 1:1 and about 1:7.

2,388,100

PRODUCTION OF TERPENES

Edward Frank Wadley, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application December 13, 1943, Serial No. 514,012
4 Claims. (Cl. 260—675.5)



3. A process for producing terpene-type hydrocarbons which comprises the steps of subjecting a petroleum distillate boiling in the gas-oil boiling range to catalytic cracking in the presence of an alumina-silica gel catalyst, separating a fraction boiling above about 85° F. and no higher than 250° F. from the catalytically cracked product, chemically treating said fraction with no less than 5% by weight of strong sulfuric acid and recovering from the chemically treated fraction a product rich in terpenes.

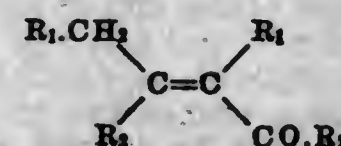
2,388,101

PROCESS FOR THE PRODUCTION OF KETONES

Charles Weizmann, London, England
No Drawing. Application November 6, 1942, Serial No. 464,789. In Great Britain April 11, 1941

2 Claims. (Cl. 260—593)

1. A process for the preparation of unsaturated ketones



from simple saturated ketones $R_2COCH_2R_1$ in both of which R_2 is an alkyl group and R_1 a

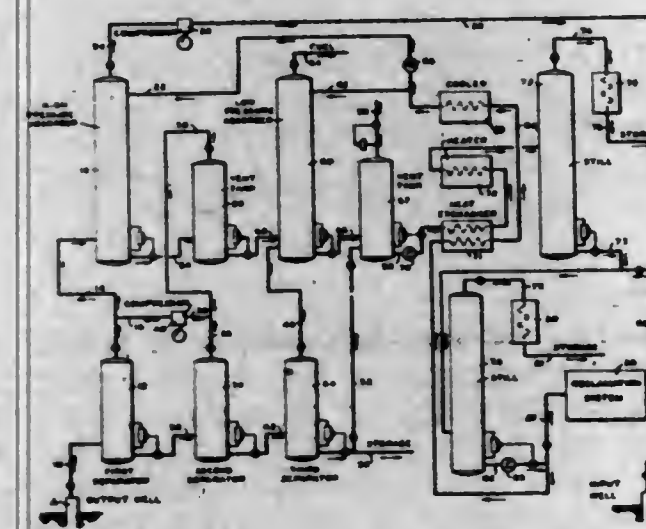
member of the group consisting of hydrogen and the alkyl radicals, which process consists in dissolving gaseous hydrochloric acid in an excess of the ketone at a temperature between 15 and 30° C., permitting the mixture to stand, distilling off the unchanged ketone, the water formed and the free hydrochloric acid, adding iodine to the residue and continuing the distillation.

2,388,102

DISTILLATE PRODUCTION

Frank S. West, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application September 4, 1942, Serial No. 457,280
1 Claim. (Cl. 183—114.6)



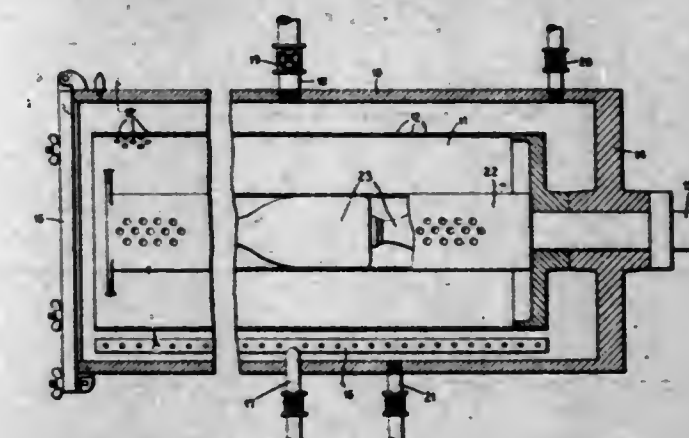
A process of recovering liquefiable hydrocarbons from distillate well fluids produced at a high well-head pressure and temperature such that the fluids are composed of a liquid phase and a gas phase, which comprises separating said liquid phase and said gas phase at an elevated pressure of about 2000 pounds per square inch, reducing the pressure on said liquid phase in successive stages maintained at about 400 to 700 pounds per square inch and about 40 to 80 pounds per square inch to evolve hydrocarbon vapors comprising liquefiable hydrocarbons in each stage, and produce a liquid fraction, compressing the hydrocarbon vapors evolved in said stage at about 400 to 700 pounds per square inch to a pressure of about 2000 pounds per square inch, passing said compressed vapors and the gases constituting the gas phase into contact under absorption conditions with an absorption oil composed of hydrocarbons of said liquid fraction at a pressure of about 2000 pounds per square inch to absorb liquefiable hydrocarbons therefrom and produce an enriched absorption oil, reducing the pressure on the enriched absorption oil in successive stages maintained at about 400 to 700 pounds per square inch and about 40 to 80 pounds per square inch to evolve hydrocarbon vapors comprising liquefiable hydrocarbons in each stage, compressing the vapors evolved in the stage maintained at about 400 to 700 pounds per square inch to a pressure of about 2000 pounds per square inch, contacting the last-mentioned vapors with said absorption oil under absorption conditions to remove liquefiable hydrocarbons therefrom, contacting the vapors evolved from said liquid fraction and from said enriched absorption oil in said stages maintained at about 40 to 80 pounds per square inch with an absorption oil under absorption conditions at a pressure of about 40 to 80 pounds per square inch to absorb liquefiable hydrocarbons from said vapors and produce an enriched absorption oil, and recovering absorbed hydrocarbons from said enriched absorption oil.

2,388,103

STERILIZATION OF EVAPORATED MILK IN GLASS CONTAINERS

Randall Whitaker, Robert P. Myers, and Robert E. Homberger, Baltimore, Md., assignors to Sealtest, Inc., Baltimore, Md., a corporation of Maryland

Application July 22, 1942, Serial No. 451,814
4 Claims. (Cl. 99—214)



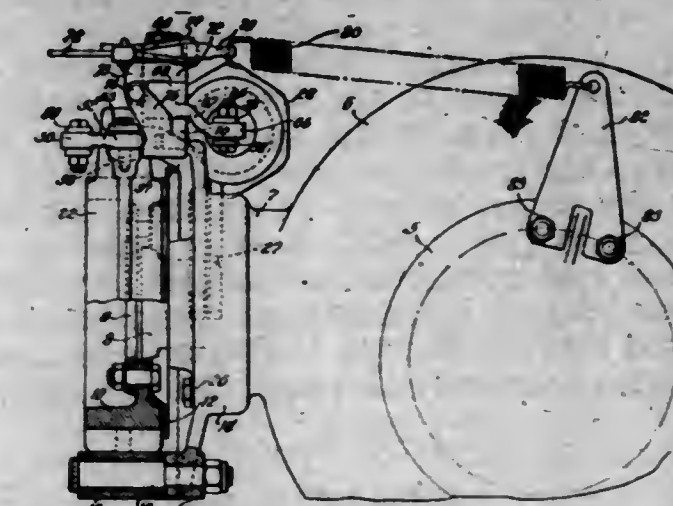
1. A method of sterilizing evaporated milk in a glass bottle, which comprises preheating evaporated milk to about 130° F., rotating a bottle containing said preheated milk in a horizontal position while heating and maintaining under super-atmospheric pressure the bottle to raise the temperature of the milk to between about 255° and 265° F. in a period not exceeding five minutes, and immediately cooling said bottle in stages by contacting it with fluids of progressively decreasing temperatures, the difference in temperatures of said fluids used in cooling being insufficient to cause cracking of said bottles.

2,388,104

BRAKE

Alfred O. Williams, Battle Creek, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan

Application March 11, 1944, Serial No. 526,057
5 Claims. (Cl. 188—106)

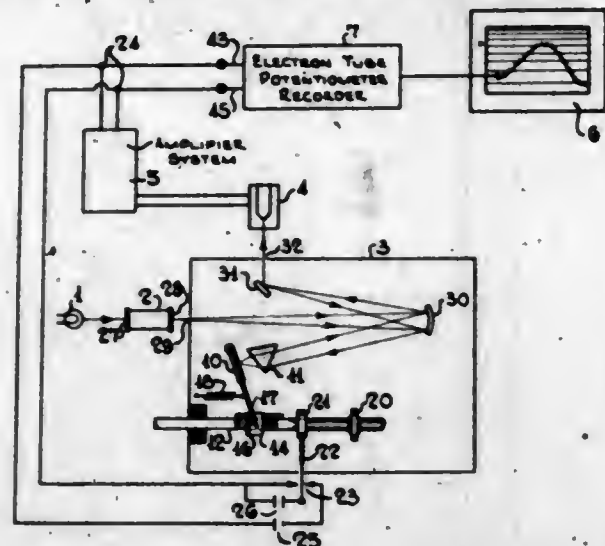


1. The combination, with a ring gear housing having a nose portion through which a drive shaft extends, of a brake drum mounted on said shaft, a supporting member detachably secured to said nose portion of said housing about said shaft, and braking means mounted on said member and including a pair of pivotally mounted brake shoes for engaging said drum, an actuating piston, and actuating means including interconnected levers carried by said shoes and piston for simultaneously engaging said shoes with said drum, a pivotally mounted bell crank connected to said actuating means, and a manually rotatable crank having abutment means for engaging said bell crank to operate said actuating means independently of said piston.

2,388,105

SPECTROGRAPH

James A. Wilson, Linden, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 9, 1943, Serial No. 513,565
9 Claims. (Cl. 234-1.5)

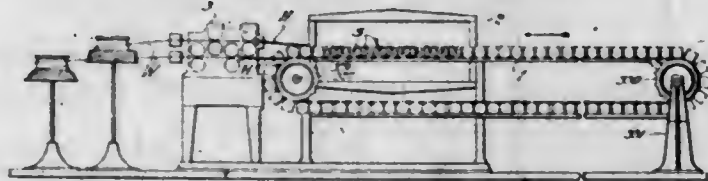


1. A spectrograph comprising means for recording the spectra of substances as a curve, means for continually changing the wavelength of the spectra being recorded, and means responsive to the said wavelength changing means for placing a wavelength mark on said curve.

2,388,106

METHOD AND APPARATUS FOR MAKING SPRING ASSEMBLIES

Edward E. Woller, Kenosha, Wis., assignor to Simmons Company, a corporation of Delaware
Application July 11, 1942, Serial No. 450,574
63 Claims. (Cl. 140-3)

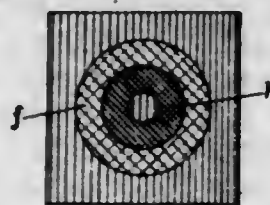


1. In apparatus for making spring assemblies, means for holding in predetermined position a pair of rows of springs with predetermined coils of the springs of one row in juxtaposed relation to predetermined coils of the springs of the other row, means for feeding a wire helix endwise and rotating the same, means for guiding said helix so as to cause the coils thereof to encircle said juxtaposed coil portions, and means for flattening a turn of said helix adjacent certain of said juxtaposed coil portions to lock the helix against rotation and removal from said coil portions.

2,388,107

PRODUCTION OF PHOTOMECHANICAL PRINTING SURFACES

Eugene Zieger, West Didsbury, Manchester, England
Application June 22, 1943, Serial No. 491,814
In Great Britain June 25, 1942
4 Claims. (Cl. 95-5.1)



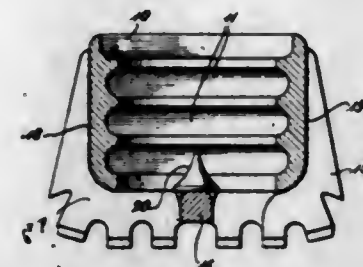
1. In the production of photomechanical printing surfaces, the process of making a single photographic negative of the parts of a design

of different shades of the same colour, which comprises exposing the negative as many times as there are shades of the same colour and each time to light passing through a different grade of shading medium, each exposure dealing only with areas of the negative corresponding with the parts of the design of one shade of the same colour, the other areas being blocked out by masking during such exposure.

2,388,108

METHOD OF MANUFACTURING ROLLING CUTTERS FOR DRILLING PURPOSES

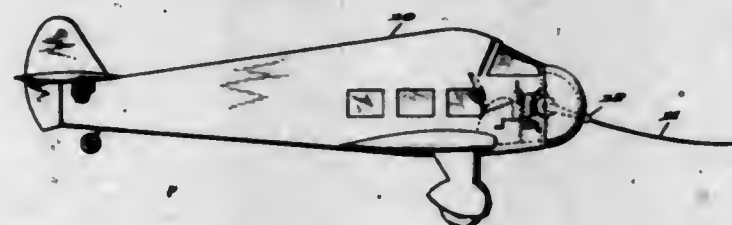
John A. Zublin, Los Angeles, Calif.
Application November 3, 1944, Serial No. 561,733
4 Claims. (Cl. 76-108)



1. A method of manufacturing a rolling cutter for drilling purposes comprising machining a cutter body for rotation on a shaft, machining as a rotational body a bowl to provide the same with an interior configuration conforming to the exterior configuration of said cutter body, cutting segments from said bowl to provide an integral multi-bladed web, and welding said multi-bladed web on said cutter body.

2,388,109
GLIDER

Charles F. Abel and Albert I. Lodwick, Lakeland, Fla.
Application August 23, 1943, Serial No. 499,700
8 Claims. (Cl. 244-3)



1. In a glider, in combination, a member at the forward end of the glider body to which the trailing end of a tow-line may be attached, and means mounted on the glider body for supporting said member in such manner that it may be adjusted vertically with respect to said body and maintained in any desired position of adjustment, said means including an element upon which said member is fixed, and manually operable gearing for adjusting said element and elevating or depressing said member.

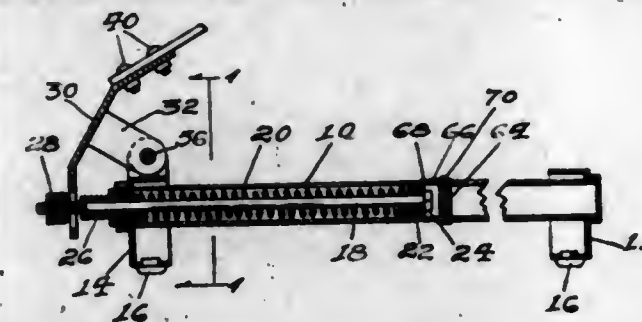
2,388,110

TOY HORSE

Neil F. Atherton, Wooddale, Ill., assignor to M. P. Heinze Machine Co., Chicago, Ill., a corporation of Illinois
Application July 9, 1945, Serial No. 603,975
9 Claims. (Cl. 272-52)

1. A toy horse comprising a base element in the form of a tube, supporting legs therefor, a piston rod movable in the tube, a spring in the tube controlling the action of the piston, a seat and

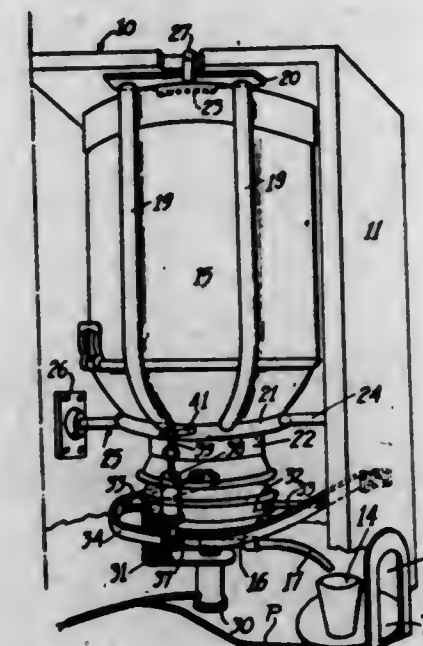
head combination for the horse, a supporting member connecting the seat and head combination to the base, a pivot point for the support-



ing member adjacent the forward end of the base and a connection between the supporting member and the piston rod.

2,388,111

SANITARY FLUID DISPENSING DEVICE
David Berman, Brooklyn, N. Y., assignor of one-half to Marvin Makransky, Brooklyn, N. Y.
Application April 7, 1944, Serial No. 529,943
17 Claims. (Cl. 222-165)



9. In a fluid dispensing device, the combination with a fluid container including a dispensing valve, of a holder for the container, means for mounting the holder for swinging movement to position the container in upright and inverted positions, means for detaining the holder to support the container in inverted position, a control member, means for pivotally mounting said control member to position it in dispensing control relation with the valve of said container, said mounting means including an articulate bracket, a ring pivoted in the bracket and the control member supported from said ring and means for yieldably connecting said control member mounting means and said holder for retaining the dispensing control member in operative relation with said dispensing valve.

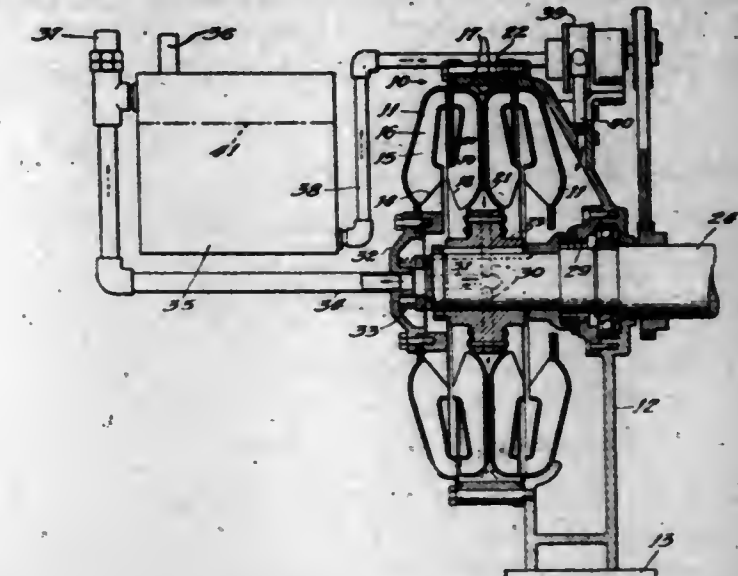
2,388,112

METHOD AND APPARATUS FOR COOLING HYDRAULIC COUPLING BRAKES

James B. Black and Wilbur F. Shurts, Rockford, Ill., assignors to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin
Application March 22, 1944, Serial No. 527,662
14 Claims. (Cl. 188-90)

1. The method of cooling a hydraulic coupling brake during operation which comprises centrifugally separating the liquid and the vaporized component of the liquid within the brake, conducting the vapor inwardly from the peripheral to the axial portion of the brake and returning

particles of liquid entrained with the vapor to a source of liquid supply, and continuously delivering

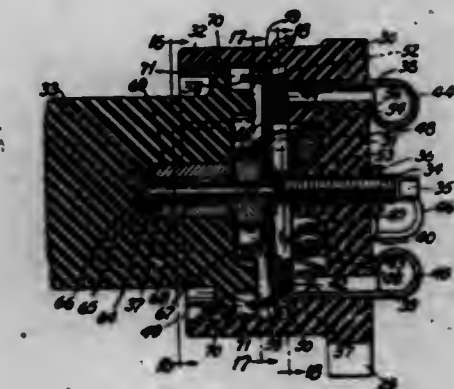


ering liquid from the source to the brake in an amount at least equivalent to the liquid vaporized.

2,388,113

CONTROL DEVICE

John D. Bolesky, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Original application April 5, 1939, Serial No. 266,078. Divided and this application January 2, 1943, Serial No. 471,140
8 Claims. (Cl. 200-138)



1. A control device comprising a base, a resilient plate mounted substantially parallel to said base and rotatable with respect thereto between two limiting angular positions on an axis perpendicular to the base, at least one projecting member carried by said plate and forced by the resilience thereof against said base, means for manually rotating said plate relative to said base, means limiting the movement of said last-named means to determine the said limiting positions, control-effecting elements determined as to condition by the relative angular positioning of said plate on said base, and means interconnecting said plate and said manually operable means such that said manually operable means is effective to move said plate from one limiting position to the other limiting position, but is ineffective to move said plate in the reverse direction.

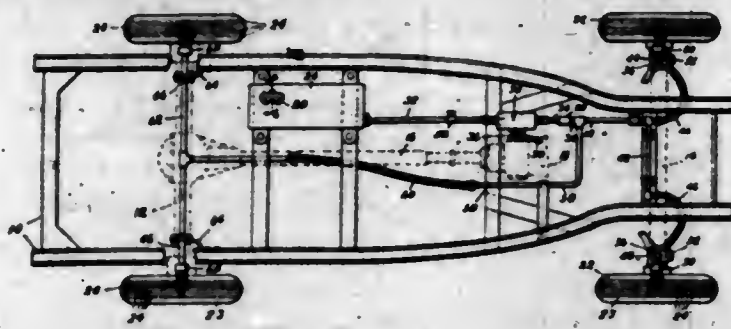
2,388,114

LUBRICATION OF AUTOMOTIVE TIRES

Malcolm B. Boyce, Haverhill, Mass.
Application April 28, 1942, Serial No. 440,877
1 Claim. (Cl. 180-1)

In a wheeled vehicle having pneumatic tires on its wheels, and propulsion means for moving the vehicle over a road surface, means for reducing friction between the tread portion of a tire and the road surface, comprising a nozzle arranged and adapted to apply a film of liquid

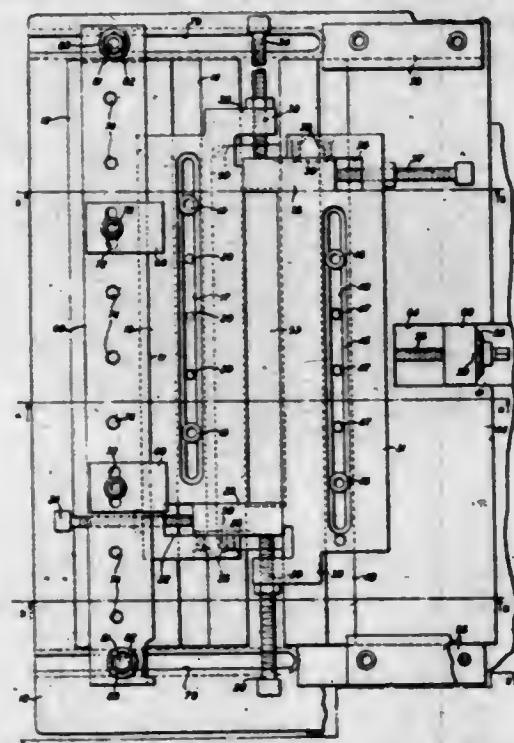
only on the tread portion of the tire at a region thereof which is moving downward toward the road surface, whereby said film is carried on the tread into intervening lubricating relation between the tread and the road surface, means car-



ried on the vehicle for storing liquid, and means for supplying liquid from said storing means to said nozzle, said last named means being operative in response to the speed of the vehicle to vary the amount of liquid supplied to said nozzle.

2,388,115
DIE

Percy E. Brooks, Woodridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 10, 1944, Serial No. 525,882
14 Claims. (Cl. 164-31)



14. A variable die comprising a base having an aperture therein, opposing die elements, supports therefor disposed on the base and adapted for movement of their die elements thereon into varied positions relative to each other and the said aperture, die members movable relative to each other and the die elements to cooperate therewith in singly forming die cavities of varied contours adjacent the said aperture, a material locating member, and a support therefor adjustably mounted on the base relative to the said aperture to locate material singly relative to the die cavities.

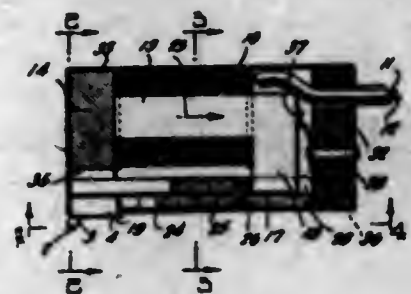
2,388,116

SIGNAL TRANSLATING DEVICE

Henry H. Bruderlin, Hermosa Beach, Calif.
Application June 21, 1941, Serial No. 399,221
6 Claims. (Cl. 179-100.41)

1. A sound translating device for lateral recording comprising means forming a pair of opposed magnetic poles and a central return path portion, an armature disposed between and having surfaces cooperative with said poles and por-

tion, a stylus carried by said armature, a leaf spring serving as the principal support for said armature and having a torsion axis spaced at a substantial distance from the axis of said poles,

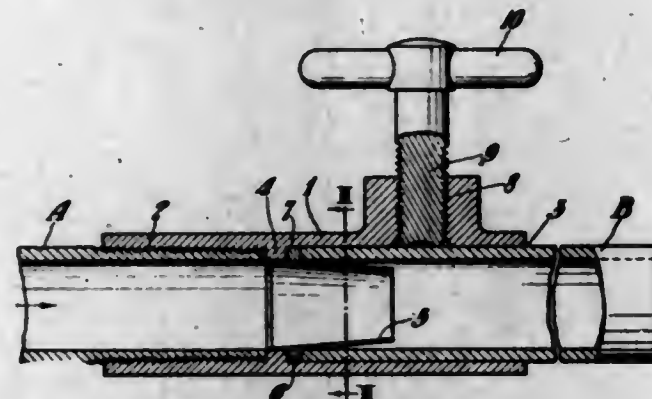


the opposed surfaces of said portion and armature being similarly sloped transversely to reduce air gap variations therebetween corresponding to flexures of said spring.

2,388,117

PIPE COUPLER

Edward D. Buchanan, Lorain, Ohio, assignor to National Tube Company, a corporation of New Jersey
Application September 29, 1944, Serial No. 556,441
1 Claim. (Cl. 285-193)



A coupler for connecting plain end pipe to a source of fluid under pressure which comprises a tubular housing connected to the source of supply, said housing having a cylindrical chamber therein, the diameter of said chamber being slightly larger than the outer diameter of a section of plain end pipe to be telescoped therein to provide a close sliding fit therebetween, a shoulder at the inner end of said chamber, a tapered thimble having its larger end secured to said shoulder and extending outwardly therefrom into said chamber to form an annular space between the housing and the thimble, and means on said housing for releasably holding a section of plain end pipe inserted into said chamber, said thimble being constructed and arranged to cause air to be aspirated into said section of pipe when fluid under pressure is passed through said housing into a section of plain end pipe held therein thereby preventing escape of the fluid under pressure to the outside of said housing.

2,388,118

LENS

Cecil Reginald Burch, Nailsea, Bristol, England, assignor to Metropolitan-Vickers Electrical Company Limited, London, England, a company of Great Britain
Application September 14, 1943, Serial No. 502,363
In Great Britain May 8, 1942

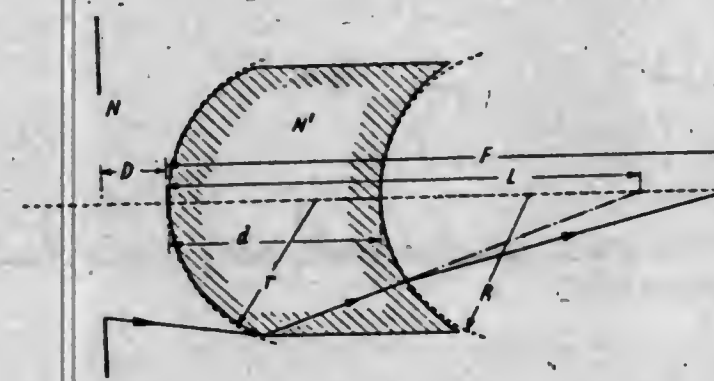
8 Claims. (Cl. 88-57)

1. The method of making a singlet lens which is corrected for primary spherical aberration and coma and which is anastigmatic in the extended paraxial region for viewing an object surface at

a given distance U in front of the front surface of the lens comprising forming transparent material into a single lens element having an axial thickness d and substantially spherical front and back surfaces of radii of curvatures r and R , respectively, in such proportion that

$$\frac{L}{r} \left[\frac{L}{r} - \left(1 - \frac{N'}{N} \right) \right] (r-d) = \frac{L-d}{R} \left[\frac{L-d}{R} - \left(1 + \frac{N'}{N} \right) \right] (R+d)$$

where N' represents the index of refraction of said transparent material, N represents the index of refraction of the medium in which the lens



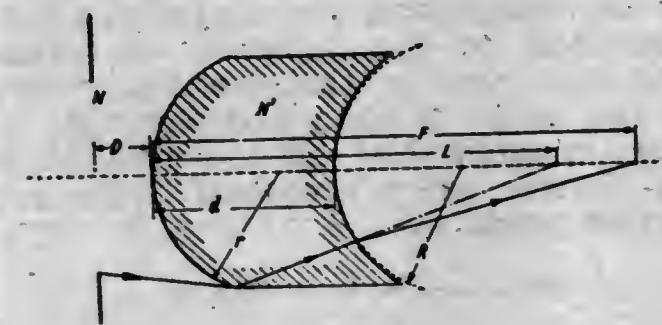
is to be used, and L represents the distance of the intermediate paraxial image downlight from the front surface of the lens as determined by the relation

$$\frac{N'}{L} + \frac{N}{U} = \frac{N' - N}{r}$$

and then aspherizing the lens element on at least one of said surfaces until the lens element is corrected for simple spherical aberration and primary coma, the resultant lens being also corrected for astigmatism.

2,388,119
LENS

Cecil Reginald Burch, Nailsea, Bristol, England, assignor to Metropolitan-Vickers Electrical Company Limited, London, England, a company of Great Britain
Application September 14, 1943, Serial No. 502,364
In Great Britain September 18, 1942
5 Claims. (Cl. 88-57)



1. A singlet lens having a flat field and low residual astigmatism in the extended paraxial region when taking parallel light on the front face, composed of a transparent material having a refractive index N' , and having substantially spherical front and back surfaces of radii of curvature r and R respectively which are positive for convexities facing the incident light, and an axial thickness d in such dimensional relation that, for a given value n denoting the ratio N'/N between the refractive index of the material of

the lens and that of the medium in which the lens is to be used,

$$y = 1 + \frac{1}{2n} \pm \sqrt{\frac{1}{4n^2} + \frac{1-x}{(n-1)^2 n - (n-1)x}}$$

wherein

$$x = \frac{d}{r}, y = \frac{L-d}{R}$$

and L , which represents the distance of the paraxial center of the image behind the front surface of the lens is equal to

$$\frac{n}{n-1} r$$

and the dimensions r , R and d for the value n are further related by the expression:

$$\frac{n-1}{R} \left[\frac{L-d}{R} - \frac{(n+1)}{n} \right] \left[\frac{R+d-r}{r-L} \right] = \frac{(n-1)}{R} \left(\frac{R-r}{2n.r} \right)$$

the back surface only of the lens being aspherized to remove simple spherical aberration without changing the paraxial radius of curvature thereof.

2,388,120

HEAT-TREATING MAGNESIUM ALLOYS

Robert S. Busk, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 23, 1943, Serial No. 515,420
5 Claims. (Cl. 148-21.3)

1. An improved procedure for producing in an ungerminated condition solution-heat-treated cast articles formed of a heat-treatable magnesium-base alloy characterized by a tendency to undergo germination on prolonged heat-treatment, which comprises pre-heating the article for a period not exceeding about 30 minutes at a temperature substantially above the fusion point of the lowest melting constituent of the alloy, and thereafter cooling the article and subjecting it to solution-heat-treatment.

2,388,121

TENSION CONTROL DEVICE

Gordon S. Carbonneau, Park Ridge, Ill., assignor to Utah Radio Products Company, Chicago, Ill., a corporation of Illinois
Application October 14, 1943, Serial No. 506,180
16 Claims. (Cl. 242-45)



1. Mechanism for controlling the tension in a strand as it is being withdrawn from a source of

supply and applied to a work piece including a free support for a coiled strand, shiftable brake means for governing the force exerted by the strand to withdraw the strand from said support, and brake control means including micrometer mechanism operatively associated with said brake means and automatically responsive to variations in the pulling force exerted upon the strand during the withdrawal thereof to correspondingly control the operative effectiveness of said brake means.

2,388,122
PROCESSES OF TREATING ORGANIC COMPOUNDS TO PRODUCE DRYING PRODUCTS

Ivor M. Colbeth, Maplewood, N. J.
No Drawing. Application June 10, 1942,
Serial No. 446,476

2 Claims. (Cl. 260—405.5)

1. The process which comprises oxidizing an aliphatic ester having a long chain acid radical and containing at least two unconjugated double bonds until its iodine value has been appreciably lowered, and dehydroxylating the oxidized product in the presence of a dehydroxylating agent dissolved in water.

2,388,123
CARBON BRAKE BODY AND METAL HOLDER UNIT

Ottmar Conradty, Rothenbach on the Pegnitz, Germany; vested in the Alien Property Custodian

Application May 8, 1940, Serial No. 334,087

In Germany March 22, 1939

2 Claims. (Cl. 188—251)



1. A brake shoe having a body of frictional carbon material, a box-like metal holder cast around part of said carbon body which is retained in said holder by the shrinkage of the metal in casting, interfitting dove-tailed portions being with said body and said holder, respectively, and a compressible bolster interposed between said engaging portions of said holder and said body, whereby said bolster absorbs excessive stresses and shocks during the shrinkage of the metal holder and during the operation of the brake shoe.

2,388,124
BURNER CONTROL

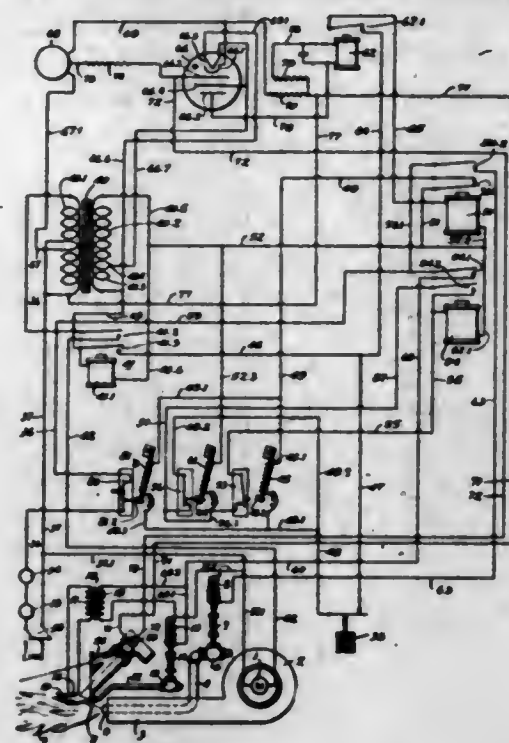
Herman A. Crews, Chicago, Ill., assignor of one-half to Ralph T. Brackett, Winnetka, Ill.

Application November 19, 1942, Serial No. 466,102

8 Claims. (Cl. 158—28)

1. In a fluid fuel burner, means for producing a burner flame, means for producing a luminous pilot for such flame, a light sensitive cell controlling the feeding of fuel to the flame producing means, a housing shaped to enclose said light sensitive cell, said housing having separate light beam ducts directed at the burner flame and pilot respectively, and lens means positioned to concentrate said light beams on said light sensitive means, said ducts being of different trans-

verse areas for collecting beams of sizes approximately inversely proportional to the relative in-



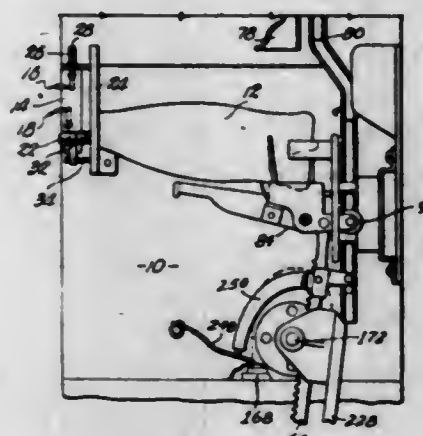
tensities of light issuing from said burner and pilot respectively.

2,388,125
CAP DETECTOR FOR AUTOMATIC BOTTLE VENDING MACHINES

Noel M. Denison, Kansas City, Mo., assignor to C. Earl Hovey, Kansas City, Mo., trustee

Application May 17, 1944, Serial No. 535,955

9 Claims. (Cl. 225—21)



1. In a vending machine for bottles normally having metallic caps, said machine including electrically operated means for moving the bottles, means for detecting the presence of caps on the bottles as they pass a given point, one at a time in their movement and for controlling the further operation of the machine, comprising a switch in the circuit of the electrically operated means; and parts to open and close the switch including a magnet shiftable to a position to actuate the switch when a capped bottle appears at said given point.

2,388,126
APPARATUS FOR COATING RECORD BLANKS

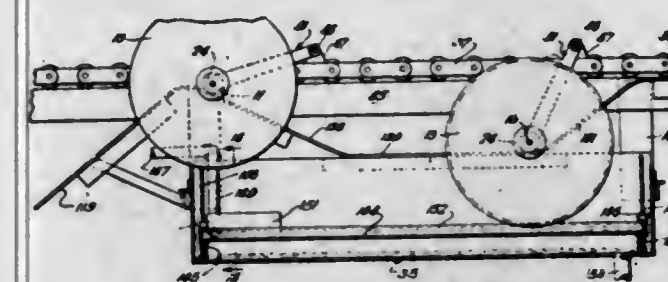
Lawrence E. Dettie, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware

Application December 20, 1941, Serial No. 423,732

4 Claims. (Cl. 91—46)

1. In a machine of the class described, a plurality of coating material containing means arranged at different levels in said machine, endless conveyor chains for receiving rotatable blank retaining means, means for guiding said conveyor chains for movement past all of said coating ma-

terial containing means at the different levels thereof in said machine, a plurality of track-ways for guiding movement of said blank retaining means by said conveyor chains into and out of each said coating material containing means, stationary means mounted upon said track-ways and cooperating with said blank retaining means



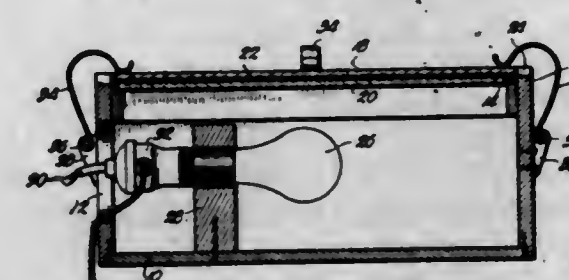
to cause the same to be rotated as a result of movement imparted thereto by said conveyor chains, and means associated with the leading ends of said track-ways for guiding said blank retaining means into cooperative relationship with said stationary means as the former is moved from one level to another.

2,388,127
FLATTENING APPLIANCE FOR DISK RECORDS

Francis B. Downing, Kansas City, Mo.

Application May 18, 1944, Serial No. 536,217

3 Claims. (Cl. 18—5.3)



2. A flattening appliance for disk records of the character described, comprising a case having an open side; a shoulder around the open side of the case; a flange coextensive with the shoulder; a pair of planar plates of glass resting upon the shoulder and maintained against displacement by the said flange; means for generating heat at a given point within the case; and parts for applying pressure to the plates to force the same together.

3. The method of flattening disk records of the character described, which consists in confining the record between two planar plates of glass disposed horizontally and supported for free movement toward and from each other; applying heat to the lowermost plate at the axis of the record until the record has become sufficiently pliable to assume a flat condition; stopping the supply of heat; and applying additional pressure to the plates while the record cools.

2,388,128
ALLOY STEEL

Joseph C. Eckel, Ingram, Pa.

No Drawing. Application February 11, 1944.

Serial No. 521,996

2 Claims. (Cl. 148—31)

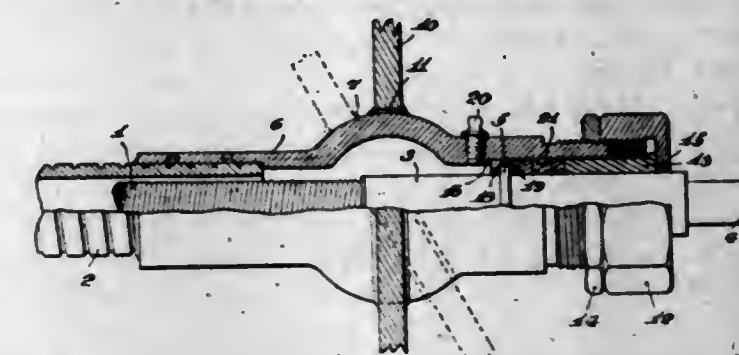
1. A severely cold worked shape of an alloy steel composed of 0.05% to 0.15% carbon, 0.30% to 0.65% manganese, 0.05% maximum phosphorus, 0.05% maximum sulphur, 0.50% to 2.00% silicon, 0.20% maximum copper, 4% to 6% nickel, 2% to 6% chromium, the balance being substantially all iron.

2,388,129
FLEXIBLE SHAFTING

George G. Eisenbeis, Conklin, N. Y., assignor to Stow Manufacturing Co., New York, N. Y., a corporation of New York

Application March 3, 1944, Serial No. 524,958

3 Claims. (Cl. 308—36.2)



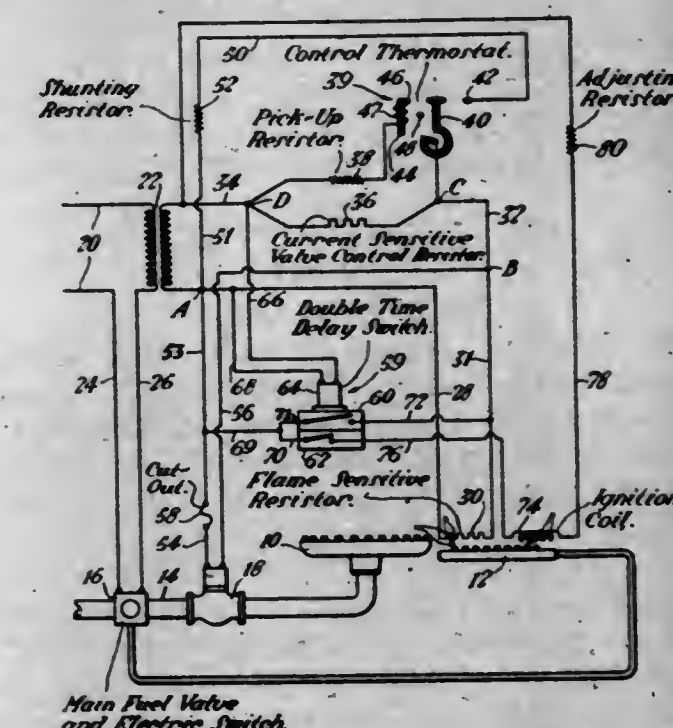
1. A combined deck-plate fitting and terminal for flexible shafting of the type having a rotary power transmitting core enclosed within a casing comprising a tubular sleeve adapted to extend through a circular opening formed in a deck-plate and being provided intermediate its ends with an enlarged diameter part-spherical portion adapted to be fitted in said opening and which provides for the mounting of the sleeve at any one of various inclinations relative to deck-plate as required for a particular installation, the shafting casing being affixed to one end of the sleeve, the shafting core extending into said sleeve and terminating in a drive fitting therefor, one end of the drive fitting projecting through the other end of the sleeve and being adapted to receive core driving means, and means contained in said other end portion of the sleeve for securing the drive fitting axially relative to said sleeve and for providing a water-tight joint between the sleeve and drive fitting.

2,388,130
SAFETY CONTROL FOR FUEL BURNERS

Samuel G. Eskin and Charles K. Strobel, Pittsburgh, Pa., assignors to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania

Application January 20, 1944, Serial No. 518,958

10 Claims. (Cl. 158—117.1)



1. A control system for fuel burners having main and pilot burners comprising in combination, a source of electrical energy, electrically operable means connected to said source for controlling the supply of fuel to the main burner, said means having an initial position preventing

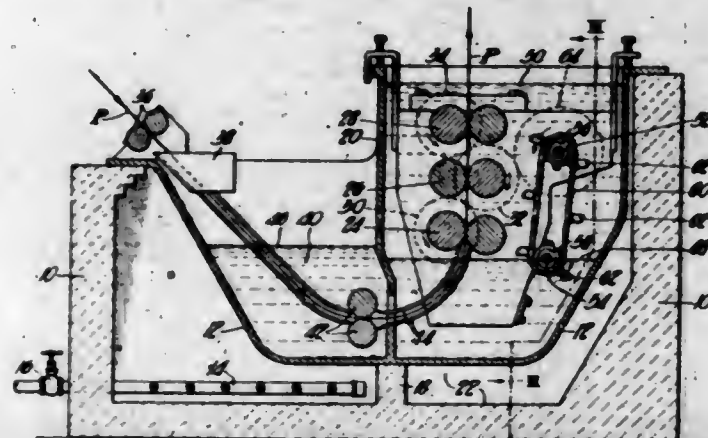
fuel supply to the main burner and being actuable to another position when current of sufficient value is supplied thereto, a resistance element in circuit with said controlling means and being adapted to vary in resistance in response to variations in current values in said circuit, a second resistance element shunting said controlling means and being located to be heated by the pilot burner, said second resistance element being adapted to vary in resistance in response to thermal variations therein caused by the heat of the pilot burner, and switching means having a timing element for short-circuiting said controlling means for a period during which said second resistance element is adapted to become heated, whereby sufficient current for causing actuation of said controlling means is supplied thereto following operation of said switching means to discontinue the said short-circuit.

2,388,131

METHOD OF COATING SHEETS

Frank E. Fairley, Birmingham, Louis T. Lindquist, Bessemer, and Clyde D. Michaels and Howard C. Rodgers, Birmingham, Ala., assignors to Tennessee Coal, Iron and Railroad Company, Birmingham, Ala., a corporation of Alabama

Application February 2, 1943, Serial No. 474,460
2 Claims. (Cl. 117-114)



1. In the production of metal coated sheets involving passing each sheet through a bath of molten coating metal and then through a body of oil superposed on said bath, the improved method comprising elevating some of the molten metal above the top level of the bath in a path in spaced relation to the path of movement of the sheet, and emptying the thus elevated metal into the upper portion of the oil body and allowing it to cascade by gravity therethrough so as to maintain the oil at the optimum operating temperature.

2,388,132

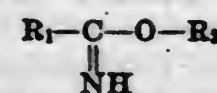
TURBINE OIL

Paul W. Fischer, Long Beach, and Vance N. Jenkins, Palos Verdes Estates, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application January 4, 1943,
Serial No. 471,274

14 Claims. (Cl. 252-51.5)

1. An anti-corrosion composition comprising a mineral oil fraction of lubricating viscosity containing a minor proportion of oil-soluble imidoesters free from amides and other oil-soluble ammonia derivatives, the imido ester being of the type

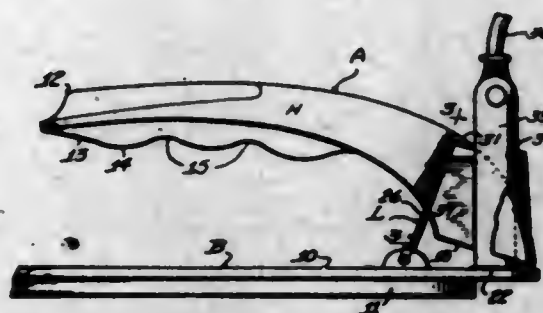


where R_1 and R_2 represent the same or different aliphatic hydrocarbon radicals.

2,388,133

FOLDING IRON

Edward J. Fitzgerald, Winsted, Conn., assignor to Son-Chief Electric, Incorporated, Winsted, Conn., a corporation of Connecticut
Application November 18, 1943, Serial No. 510,794
3 Claims. (Cl. 219-25)



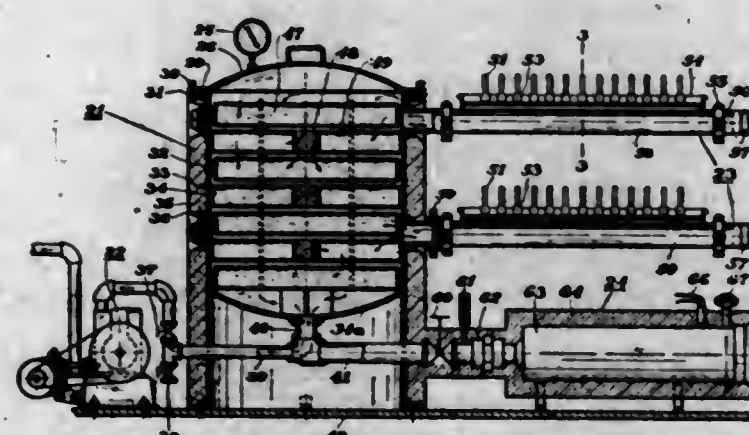
2. An electric flatiron comprising a base, a handle having a plug-receiving socket hinged to said base, a pivoted locking lever for said handle extending into said socket, said handle and lever being immovable upon insertion of said plug within said socket.

2,388,134

BIOLOGICAL APPARATUS, CONTAINER, AND METHOD

Earl W. Flosdorf, Lansdowne, Charles J. Westin, Philadelphia, and Francis Joseph Stokes, Jr., Laverock, Pa.; Edith Westin Wolfrom, administratrix of said Westin, deceased, assignors to F. J. Stokes Machine Company, a corporation of Pennsylvania

Application July 18, 1938, Serial No. 219,858
In Great Britain June 24, 1938
18 Claims. (Cl. 34-5)



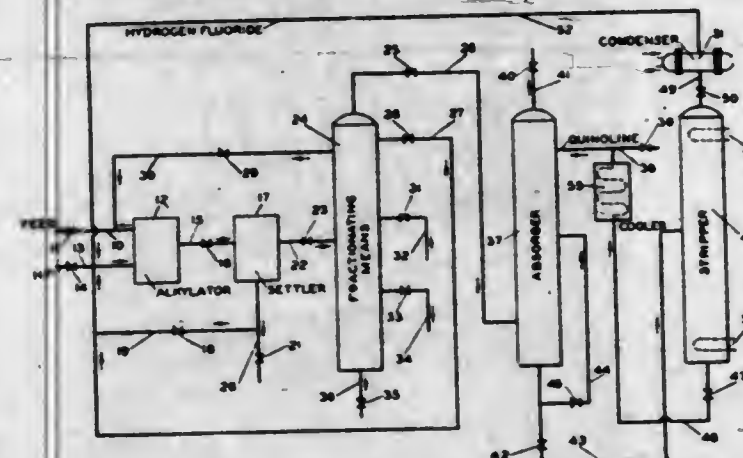
7. The method of treating and packaging biological material for preservation which comprises, filling at least one clinical dose of biological material into a receptacle to approximately 50% of its capacity, said receptacle being suitable as a final container for protection, distribution and restoration for use of its contents and having an exhaust tube, connecting said receptacle to a vacuum apparatus containing a regenerable chemical desiccant under sterile and aseptic conditions with a pierceable connector, freezing the biological material into a solid by rapidly lowering the pressure, dehydrating the material by sublimation through the action of a regenerable chemical desiccant and vacuum until dry, closing the connection between said apparatus and said receptacle, piercing said connector and admitting dry sterile air therethrough to said receptacle, constricting said exhaust tube, drawing a secondary vacuum, and sealing off to maintain asepsis.

2,388,135

RECOVERY OF HYDROGEN FLUORIDE

Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application September 27, 1943, Serial No. 504,071
16 Claims. (Cl. 23-153)



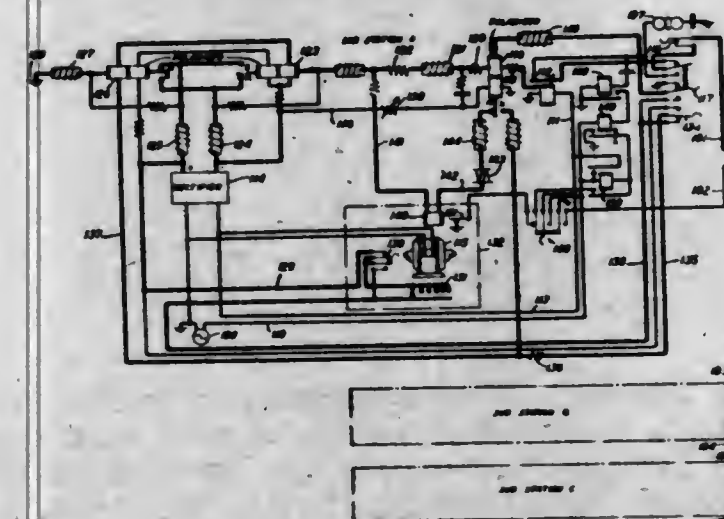
1. A process for the recovery of hydrogen fluoride from admixture with a material substantially chemically inert to organic nitrogen bases under the conditions used, which comprises contacting said mixture with a liquid organic nitrogen base capable of forming a decomposable association mixture with hydrogen fluoride to bind said hydrogen fluoride, removing said inert material, and thermally decomposing the resulting residue to liberate hydrogen fluoride.

2,388,136

PARTY-LINE PRINTING TELEGRAPH SYSTEM

Leland A. Gardner, Maplewood, and Kenneth W. Richards, Packanack Lake, N. J.; said Gardner assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York, and said Richards assignor to American Telephone and Telegraph Company, a corporation of New York

Application May 14, 1941, Serial No. 393,324
9 Claims. (Cl. 178-2)



1. A telegraph system comprising a main telegraphic trunk transmission circuit, a switching center at which said circuit terminates, a plurality of telegraphic stations equipped with transmission and reception apparatus for permutation code, a local circuit connecting each of said stations to the switching center, each of said stations comprising a starting element, means at said switching center operable by the operation of any one of said starting elements to connect the station of said element to said trunk circuit at said switching center, and means also controlled by operation of said element to condition all other of said stations, said conditioning means comprising instrumentalities at said switching

center for supplying permutation code signals to all said other circuits and said conditioning means having other means, when operated, to supply said code signals to the permutation code reception apparatus associated with any other starting element upon operation of said other starting element.

2,388,137

DEVICE FOR INSTALLING AND REMOVING TUBULAR LAMPS AND THE LIKE

George D. Graumlich, Miami, Fla.
Application May 7, 1945, Serial No. 592,318
12 Claims. (Cl. 294-20)



1. A device for moving an elongated lamp or other tube into and out of sockets of the type in which the tube is interlocked with and released from the sockets by rotation about its longitudinal axis, said device comprising an elongated handle having a bearing mounted crosswise at one end, a shaft journaled in said bearing, an arm fixed to said shaft and extending radially therefrom, an arm pivoted to the shaft and extending radially therefrom at an acute angle to the fixed arm, oppositely facing jaws carried by the two arms for gripping the tube, a plate movable in and out radially of the shaft between the two arms for varying their angular relation and the spacing of the jaws, means yieldably urging said plate outwardly to urge the jaws together, and a pull member extending from the plate toward the other end of the handle for moving the plate inwardly to spread the arms and the jaws.

2,388,138

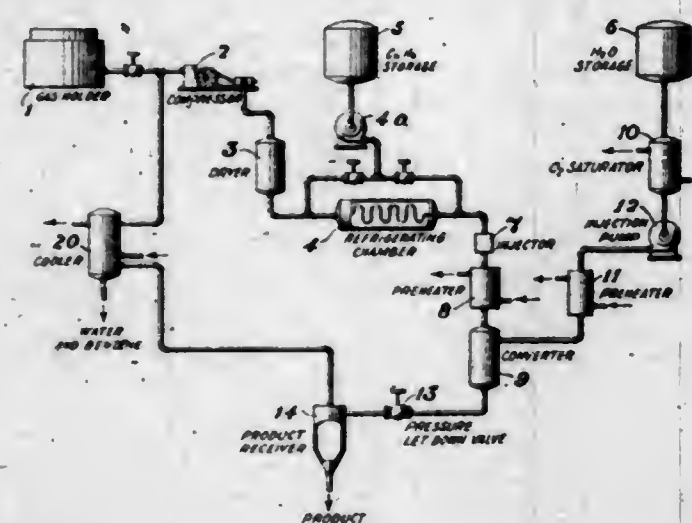
PROCESS FOR THE PREPARATION OF ETHYLENE POLYMERS

Crawford Hallock Greenewalt, Greenville, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application January 29, 1943, Serial No. 473,938
6 Claims. (Cl. 260-94)

1. In a process for the polymerization of ethylene in the presence of a catalyst selected from the group consisting of oxygen and peroxy catalysts at pressures between 800 and 3000 atmospheres, the operation which comprises compressing the ethylene to between 20 and 150 atmospheres, refrigerating the ethylene under this pressure to a temperature between -35° and 5° C., thereby condensing it to the liquid phase, and

subsequently increasing the pressure, in the substantial absence of lubricating oil, of the liquid

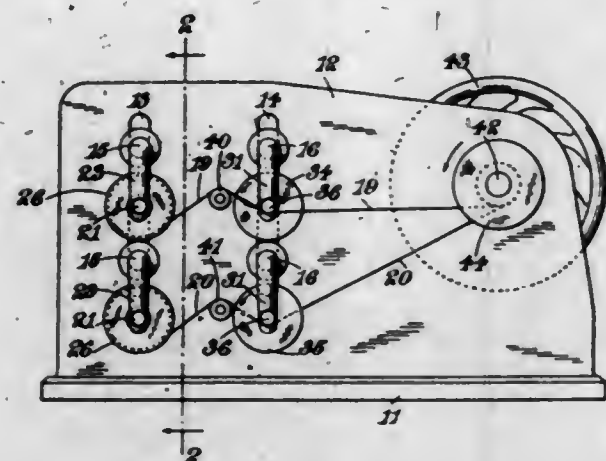


ethylene to polymerization pressures between 800 and 3000 atmospheres.

2,388,139

METALIZED PAPER ELECTRICAL CONDENSER

Richard Alfred Grouse and James Rogers, London, England, assignors to A. H. Hunt Limited, London, England, a British company
Application July 1, 1943, Serial No. 493,172
In Great Britain July 13, 1942
4 Claims. (Cl. 270—32)

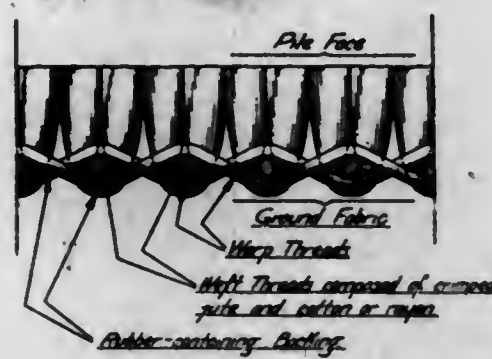


1. Apparatus for winding paper condensers comprising in combination supporting means for holding a pair of rolls of metalized paper strip on parallel axes in slightly staggered relationship so that one edge of each strip overlaps the corresponding edge of the other strip, a winding spindle parallel to the axes of the rolls and in proper alignment to receive strip unwound from the rolls, means for driving the winding spindle, fold-creasing rollers located between the winding spindle and each roll-supporting means in such position that each of the strips coming from the roll-supporting means follows a bent course around its fold-creasing roller, an edge-turning guide located in advance of each fold-creasing roller so as to engage that edge of the paper strip passing over the roller which overlaps the corresponding edge of the other strip of the pair and turns up the edge preparatory to it being folded down by passing around the fold-creasing roller, and means for keeping the strips and the edge-turning guides in strict lateral alignment relatively to one another, whereby opposed narrow edges, one on each strip, and each of less width than the overlap, are folded over to occupy the spaces left by the overlap between successive turns of paper of the wound condenser.

2,388,140

COMPOSITE YARN AND FABRIC

William H. Hall, Jr., Trenton, N. J., assignor to Thermoid Company, Trenton, N. J., a corporation of New Jersey
Application December 4, 1942, Serial No. 467,906
7 Claims. (Cl. 28—80)

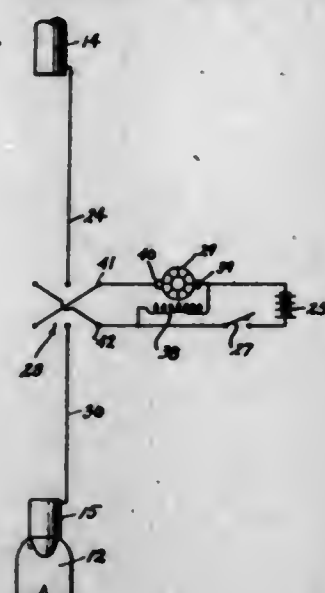


1. A rubber integrated fabric comprising interwoven warps and wefts, at least one of which consists of a composite yarn formed of two different component kinds of fibres, including jute as re-claimed from rope, twine, burlap and the like as one of said components and a fibre having a high cohesive affinity for rubber as the second of said components.

2,388,141

ELECTRICAL LOGGING APPARATUS

George G. Harrington, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application January 4, 1943, Serial No. 471,258
4 Claims. (Cl. 255—1)

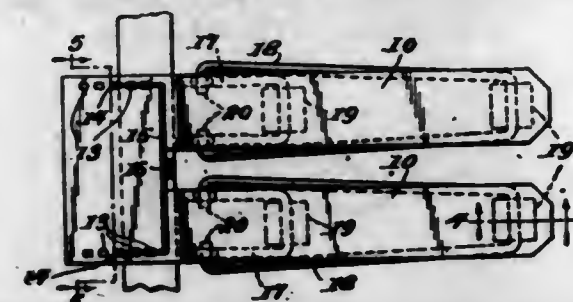


2. In a well drilling apparatus, a drill stem, a drill bit, a drill collar having a drill stem connecting portion and a drill bit connecting portion electrically insulated from each other, and having a chamber therein communicating with the interior of the drill stem, a housing supported in said chamber and having a diaphragm positioned for exposure to fluid in said chamber, means in said housing for vibrating said diaphragm, said means including a variable speed electric motor having stator and rotor windings, a source of electric power, and a circuit including said source of power and windings and connecting said source of power directly with one of said windings, and including means for completing the circuit through the other winding through the formation surrounding said drill collar to control the magnitude of current flowing through the circuit and thereby the speed of the motor in accordance with the electrical characteristics of the formation.

2,388,142

SPLIT CENTER WINDOW JACK

Emory Harris, Miami, Fla., assignor of one-half to Howard W. Thomas, Dade County, Fla.
Application May 17, 1944, Serial No. 535,978
3 Claims. (Cl. 304—24)



1. A stand of the kind described, comprising a stepped extension, spaced wings formed integral with the extension at the lower portion of the step thereof, a substantially U-shaped blocking staple having its head portion bent at substantially right angles to the stems thereof adjustably fitting the extension, and a releasably latched prop at the under side of each wing.

2,388,143

HARDENABLE AMINOTRIAZINE-ALDEHYDE RESINS

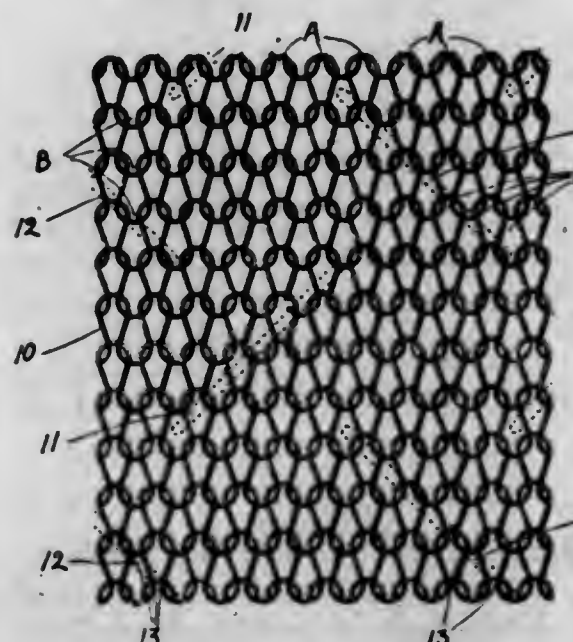
Raymond R. Harris, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 5, 1943, Serial No. 505,031
4 Claims. (Cl. 260—72)

1. A hardenable aminotriazine-aldehyde condensation product intimately mixed with a curing catalyst which is selected from the group consisting of ammonium silicofluoride and ammonium borofluoride.

2,388,144

KNITTED GOODS

Frank Headon, New York, N. Y.
Application September 13, 1943, Serial No. 502,083
3 Claims. (Cl. 28—78)



3. A non-run knitted textile fabric comprising wales and courses of interconnected loops of a yarn including thermoplastic material, said fabric having the yarn united with itself at certain points of crossing of certain adjacent loops, said points being arranged in parallel diagonal lines each intersecting a plurality of wales and courses in a group of wales, and in an adjacent group of wales having loops similarly united at certain of their points of crossing but on diagonal lines at an angle to those of the first-named group of

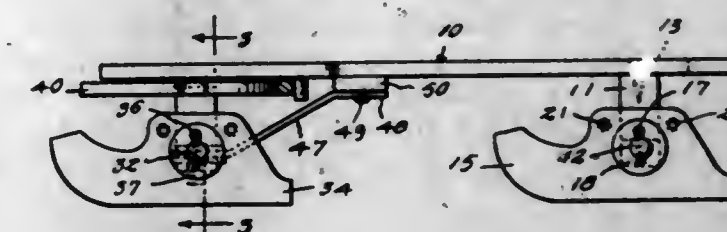
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wales, said lines terminating at the junction of said groups of wales but the ends of lines in one group of wales terminating at points remote from the ends of the lines in the other group of wales, whereby runs are arrested in all of the wales while the fabric retains its elasticity in the areas between successive parallel lines.

2,388,145

BOBSLED

John W. Heagney, Minneapolis, Minn.
Application September 28, 1944, Serial No. 556,165
1 Claim. (Cl. 280—16)

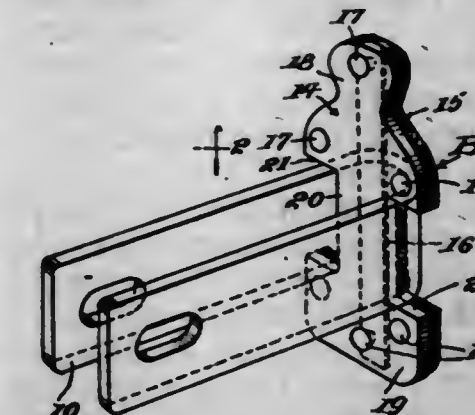


In a bobsled, a front bolster, means pivotally mounting said bolster, a pair of runners rockably carried by said bolster, a disc-shaped fifth wheel carried by said bolster and formed with a peripheral slot, a pair of outwardly extending steering arms carried by and coplanar with said fifth wheel, a pair of stop members carried by the inner side of each runner disposed on opposite sides of said bolster and engageable with the latter to thereby limit the rocking of said runners and a fifth wheel stop member engaging in said slot to limit the turning of said fifth wheel.

2,388,146

HOLDUP FOR LUG STRAPS

Wingo Herron, Augusta, Ga.
Application September 27, 1944, Serial No. 556,045
1 Claim. (Cl. 139—154)



A hold-up for a lug strap of a loom, comprising a fibrous frontal section, a rubber vulcanized fabric backing section thereto, a springy metal strip between said sections at the medial portion thereof and extending from the top of said sections to the bottom thereof, means uniting the sections and strip together, a head formation to the sections, a bottom portion formed on said sections and an intermediate body area therebetween and having opposed notches for loosely receiving side stretches of said lug strap.

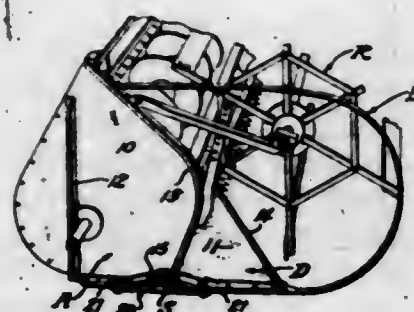
2,388,147

HEADER CONSTRUCTION FOR HARVESTING MACHINES

Sherman C. Heth, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application March 25, 1944, Serial No. 528,064
1 Claim. (Cl. 56—158)

A header of the character described and including an augur trough, an outside divider, said

augur trough having an outer end wall constituted of a sheet metal plate, said outside divider also comprising a sheet metal plate, forming a continuation of the augur trough end wall, the sheet metal plates being vertically disposed and being cooperatively interrelated, reinforcing angle irons permanently interconnected with the sheet metal plates and inclusive of an angle iron bordering the lower margin of the outside wall of the augur trough and the lower margin of the outer divider, the metal of the sheet metal plates of the outside wall of the augur trough and of the outer divider being recessed to form a downwardly facing opening at the bottom of the juncture of said plates, the reinforcing angle iron bordering the lower margin of the outside wall of the augur trough and the outside divider being provided with an upward projection at said juncture to form a border for the downwardly facing opening, a sickle mounted on the forward edge



of the bottom of the augur trough and having a reciprocable cutting element, the outer extremity of which passes through said opening on its outward and inward strokes, a bar-like runner bridging the entrance to said opening and having its ends secured to portions of the horizontal flange of the reinforcing angle iron lying along the lower margin of the augur trough and the outside divider, the ends of the bar being apertured, the horizontal flange of the reinforcing angle iron disposed along said lower margin having registered apertures and bolts and nuts forming said securing means for readily and releasably attaching and detaching the bar-like runner to the augur trough and to the outside divider, the heads of the bolts being disposed to engage the ground, the shanks of the bolts being extended through said registering apertures and the nuts being threaded on the shanks of the bolts and bearing against the upper surface of said horizontal flange.

2,388,148

TASTE AND ODOR REMOVAL FROM ORGANIC COMPOUNDS

Harry C. Hetherington, Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 28, 1942, Serial No. 436,712

4 Claims. (Cl. 260-611.5)

1. A method of inhibiting the development of foreign taste and odor in (methoxymethoxy) ethanol and of stabilizing the (methoxymethoxy) ethanol, the step which comprises preparing the (methoxymethoxy) ethanol, from ethylene glycol and a methylal-methanol azeotrope using sulfuric acid as the catalyst, in an 18% chromium-8% nickel alloy steel vessel, there being present during the reaction at least 0.0002% copper based on the weight of (methoxymethoxy) ethanol.

2,388,149

SEAR FOR FIREARMS

Frederick L. Humeston, Syracuse, N. Y., assignor to The High Standard Manufacturing Corporation, New Haven, Conn., a corporation of Connecticut

Application November 27, 1943, Serial No. 511,938
3 Claims. (Cl. 42-69)

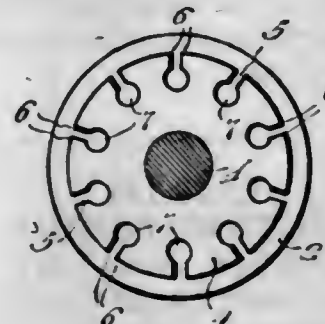


1. A drawn sheet-metal sear for firearms, including in combination: a bottom-wall; a pair of laterally-spaced-apart side-walls integral with and extending upwardly from the said bottom-wall, the said side-walls being provided with means for pivotally connecting the sear to a firearm-structure; an end-wall integral with the said bottom-wall and integrally united substantially throughout its length to both of the said side-walls, the said end-wall being provided with an integral sear-nose constructed and arranged to releasably engage with the firing-member of a firearm; and an integral buttress-rib connecting the said sear-nose and the said end-wall and formed integral with both thereof.

2,388,150

HEEL STRIPPER

Gordon Hunt, Parkersburg, W. Va.
Application December 28, 1944, Serial No. 570,111
2 Claims. (Cl. 12-42)



1. In a device of the class described, a rotary shaft, a guide disc applied thereto, a stripping disc applied to said shaft in abutment to said guide disc and of a diameter less than the latter and of a thickness greater than said guide disc, said stripping disc being provided with a plurality of radial slots extending inwardly from the periphery thereof, said slots forming transverse stripping edges on the periphery of said stripping disc and the inner ends of said slots terminating in enlarged cylindrical openings, and means for securing said discs on said shaft.

2,388,151

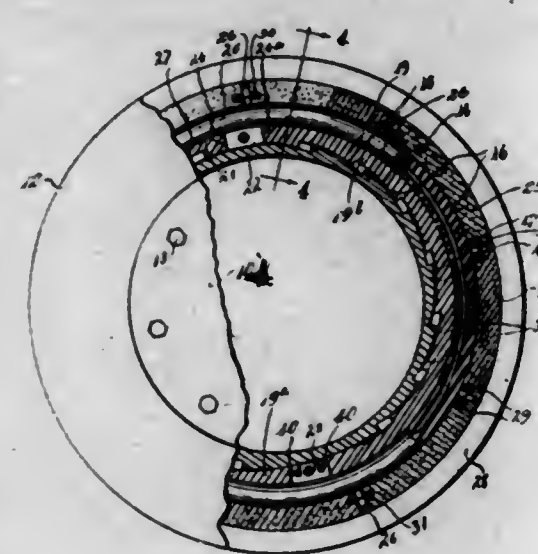
FRICTIONAL MECHANISM

Willson H. Hunter, Lakewood, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application December 3, 1943, Serial No. 512,719
14 Claims. (Cl. 138-152)

1. In a frictional mechanism having a pair of relatively rotatable members and a friction element carried by one member for frictionally engaging a surface of the other member, apparatus for providing adjustment of said element radially with respect to said members, said apparatus comprising an annular support, a movable member upon the support heaving an arcuate outer face, an expander upon said face for operating

the friction element, and wedge means for adjusting the position of said movable member relative to said support to alter the radial position of said expander.

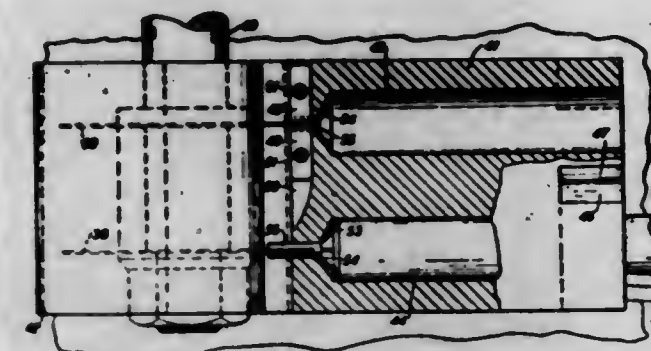


active to said support to alter the radial position of said expander.

2,388,152

MATERIAL WORKING APPARATUS

Albert E. Jarvis, Arlington, and William J. Keller, Jersey City, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 8, 1944, Serial No. 517,584
10 Claims. (Cl. 90-11)



1. An apparatus for slotting articles comprising rotatable slotting means, a unit for holding an article and feeding it to the slotting means, a support having a plurality of receiving portions for successively guiding the unit in different positions toward the cutting means to cause cutting of slots at different angles in the article by the slotting means, and means receivable in one slot of the article to support adjacent portions of the article against collapsing during subsequent slotting of the article.

2,388,153

CLEANING AND LUBRICATING EMULSION

Hugh H. Jones, Birmingham, Ala., assignor to Hugh Jones Products Company, a corporation of Alabama
No Drawing. Application January 1, 1945, Serial No. 571,017

3 Claims. (Cl. 18-47)

1. A lubricant mixture for molds used in molding rubber comprising trisodium phosphate from 1 to 4 per cent, Turkey red oil 1.2 to 2.1 per cent, a mixture of pine oil and an alkali metal water soluble soap in the proportions of approximately 3 parts pine oil to one part of soap 0.4 to 1.2 per cent, gum arabic mucilage 0.1 to 0.4 per cent and the remainder water.

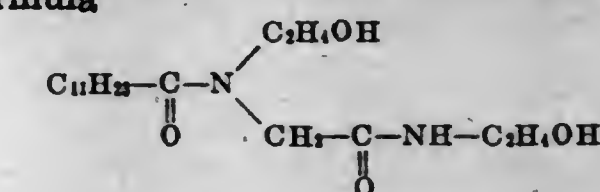
2,388,154

AMIDES

Morris Katzman, Chicago, Ill., assignor to The Emulsol Corporation, Chicago, Ill.
No Drawing. Application August 2, 1941, Serial No. 405,221

20 Claims. (Cl. 260-404.5)

20. The chemical compound corresponding to the formula



2,388,155

INHIBITION OF CORROSION

Edwin Hastings Keller, Chester Heights, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 17, 1942, Serial No. 469,349

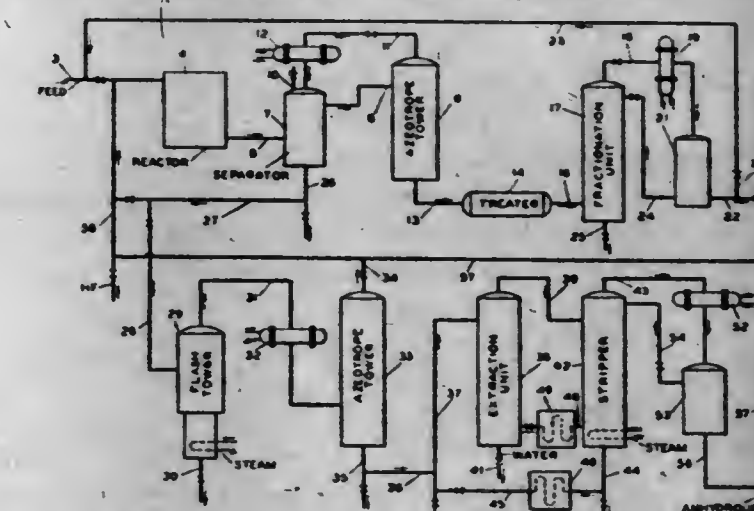
3 Claims. (Cl. 252-74)

1. An antifreeze composition consisting essentially of from 2 to 7 parts by weight of ethylene glycol, 100 parts of ethanol, from 1 to 5 parts of borax and from 1 to 60 parts of water.

2,388,156

PROCESS FOR SEGREGATION OF ANHYDROUS ACID

Carl S. Kelley, Kansas City, Kans., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 1, 1945, Serial No. 580,433
12 Claims. (Cl. 260-683.4)



1. A method for the separation of hydrogen fluoride from admixture with water, which comprises contacting an aqueous mixture containing hydrogen fluoride with a liquid hydrocarbon solution containing a hydrocarbon solvent and an organic nitrogen base to form the corresponding hydrofluoride with said hydrogen fluoride, said hydrofluoride being thermally dissociatable and relatively more soluble in said hydrocarbon solution than said aqueous mixture, separating a resulting liquid hydrocarbon solution from a resulting aqueous mixture which is substantially free from hydrogen fluoride, and thermally treating said resulting liquid hydrocarbon solution under conditions such that hydrogen fluoride is dissociated therefrom as a vaporous product.

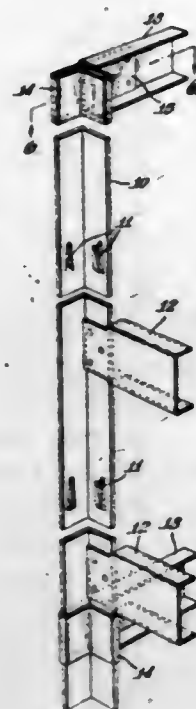
2,388,157

BROODER

Orange B. Kerr, Holly Springs, Miss.
Application December 1, 1941, Serial No. 421,262
2 Claims. (Cl. 189-34)

1. A side wall construction for a brooder, comprising a transverse frame member, an upright

member formed with right angular flanges, a cross bar of channel shaped cross section, an extension at the end of the web of the cross bar bent to form doubled right angularly disposed slot defining projections adapted to slideably and frictionally embrace the upright, outwardly di-



rected offset hooks struck from said upright on opposite sides thereof and spaced at predetermined intervals thereon, and rigid removeable wall forming sections having elongated apertures positioned therein adapted to coact with and be supported on said hooks.

2,388,158 PRODUCTION OF UNSATURATED COMPOUNDS

Hans George Kirschenbauer, Allendale, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application July 22, 1942,
Serial No. 451,977

12 Claims. (Cl. 260-405.5)

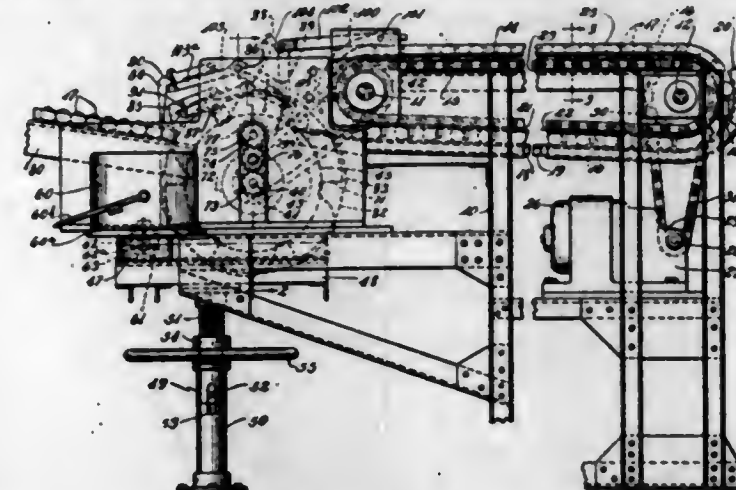
1. A process which comprises heating a fatty material selected from the group consisting of ricinoleic acid, soaps of ricinoleic acid and esters involving the carboxyl group of ricinoleic acid, with an alkaline agent in an inert atmosphere at a temperature of about 285° C. to about 310° C. but below the temperature of substantial polymerization of the resulting anhydrous product, whereby a product containing polyunsaturated compounds having conjugated double bonds is formed, and recovering polyunsaturated compounds having conjugated double bonds from said product.

2,388,159 COATING SHAFT ARTICLES

Waldemar D. Kmentt, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 1, 1944, Serial No. 533,547
5 Claims. (Cl. 91-51)

1. Apparatus for coating rotatable articles, said apparatus comprising a body having a rotatable surface, means for continuously supplying coating material to said surface, rotatable means for advancing articles in succession along the coated surface in rolling contact therewith, said means for advancing the rotatable articles comprising a pair of peripherally notched feeding discs for

rotatably engaging portions of the articles overhanging said surface, means for rotating said



discs, and means for simultaneously rotating said body.

2,388,160 PROCESS OF SEPARATING ETHYLENE POLYMERS

Norman William Krase, Swarthmore, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 9, 1942,
Serial No. 468,419

6 Claims. (Cl. 260-94)

1. In the fractionation of solid polymers of ethylene obtained by the polymerization of ethylene at a temperature of approximately 200° C. and a pressure of approximately 1000 atmospheres in the presence of oxygen as the catalyst, the step which comprises condensing out the polymer from solution in the ethylene at 1000 atmospheres and 200° C., lowering the temperature to 125° C. while maintaining the pressure at 1000 atmospheres, and separating the polymer condensed out at that temperature.

2,388,161 TETRA-ALLYL SILICANE AND PROCESS OF PREPARING THE SAME

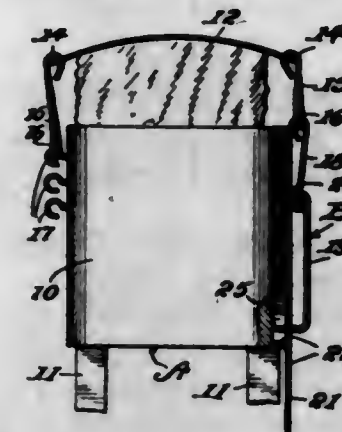
Edward L. Kropa, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 31, 1944,
Serial No. 547,525

3 Claims. (Cl. 260-607)

1. Tetra-allyl silicane.

2,388,162 MEAT HOLDER

Cicero La Hatté, Vicksburg, Miss.
Application April 17, 1944, Serial No. 531,525
3 Claims. (Cl. 146-216)

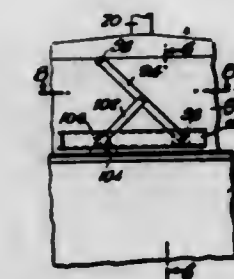


1. The combination with a meat cutting stand, a series of horizontally disposed attaching members carried by one side of the stand, a plurality of saddling bands connected at each end to the

upper ends of a V-shaped link, said links being twisted at their meeting point to form eyes, one of said links being removably connected to one of said attaching members by means of a skid loop formed thereon and said saddling bands extending over the upper end of the stand, and attaching means carried by the V-shaped link on the opposite end of the saddling band and adapted to be secured at different levels to the side of the stand.

2,388,163 STORAGE CONTAINER FOR FLUIDS

Wilbur G. Laird, Pleasantville, N. Y.
Application December 17, 1941, Serial No. 423,259
5 Claims. (Cl. 220-26)



1. An apparatus for holding fluids, comprising an upright container provided with a movable cover normally adapted to be moved up or down respectively with corresponding changes in the volume of fluid held in the container, and means for preventing the tilting of the cover during its normal movement in response to changes in the volume of fluid in the container comprising a series of at least three similar link units spaced with respect to each other and substantially evenly distributed around the container and the outer portion of the cover in the same relation thereto, each of said units including a plurality of links interconnected to form a vertically extensible and retractable mechanism, one end of each unit being connected to the cover by a pivot joint at the end of a link, the other end of the unit being connected to a fixed part of the apparatus by a pivot joint at the end of a different link, means interconnecting said units for simultaneous movement in the same direction including means connected to the end of a link at the same end of each unit, and means for restricting the movement of said last mentioned link end of each unit to a predetermined plane.

2,388,164 ESTERS

Donald John Loder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 20, 1943,
Serial No. 472,993
3 Claims. (Cl. 260-484)

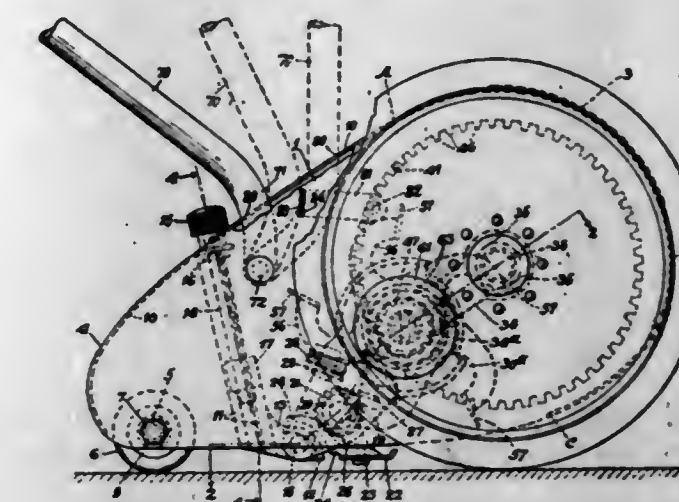
3. A glycerol ether ester selected from the group consisting of the mono and dimethoxy acetates of glycerol beta methyl ether.

2,388,165 LAWN MOWER

Peter L. Loewe and Eugene L. Boyce, Chicago, Ill., assignors to H. Goldberg, Chicago, Ill.
Application July 22, 1944, Serial No. 546,112
23 Claims. (Cl. 56-249)

1. In a lawn mower, a chassis, ground engaging supporting and reel driving wheels mounted on

said chassis for rotation about a common axis, a cutter reel assembly pivoted for adjustment about said axis and including reel supporting means, a reel rotatable thereon, a driving connection between said reel and said ground engaging wheels, effective at all stages of adjustment of said reel about the axis of rotation of said wheels, a cutter bar assembly and means for raising and lowering



it in relation to said chassis, along a generally rectilinear path, while maintaining the cutter bar in predetermined angular relation to the ground, and a pivoted link connection between said cutter bar assembly and said cutting reel assembly adapted, in response to the raising or lowering of said cutter bar assembly to raise or lower said cutter reel assembly.

2,388,166 COMPOSITION COMPRISING AN ORGANO-LITHIUM PRODUCT

William F. Luckenbach, Jr., Oaklyn, N. J., assignor to Foote Mineral Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application July 3, 1942,
Serial No. 449,693
18 Claims. (Cl. 106-268)

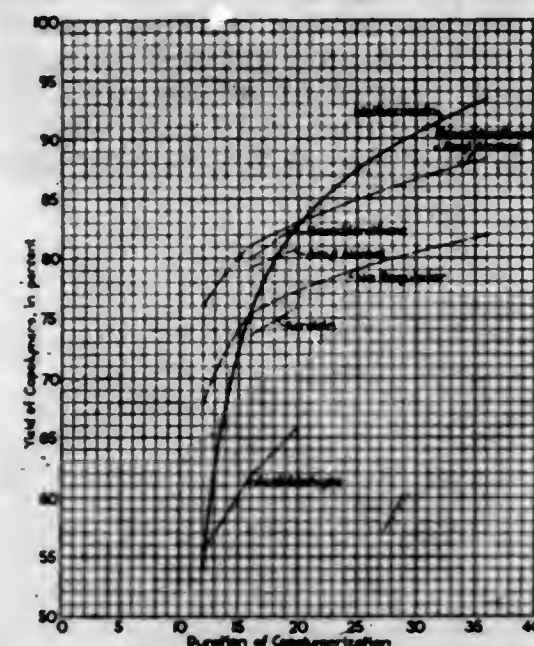
1. A composition comprising a lithium salt of an organic carboxylic acid containing at least eight carbon atoms, and which has been melted and heated below the decomposition temperature thereof, until a substantial reduction in the viscosity of the melted composition has occurred.

2,388,167 METHOD OF REGULATING POLYMERIZATION OF POLYMERIZABLE MIXTURES CONTAINING CONJUGATED DIENE HYDROCARBONS AND PRODUCTS OBTAINABLE THEREBY

Kenneth E. Marple, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application October 12, 1942, Serial No. 461,756
5 Claims. (Cl. 260-86.5)

1. In a process for effecting the copolymerization, in the form of an aqueous emulsion, of 60% to 80% of butadiene-1,3 hydrocarbons with 20% to 40% of monomeric olefinic compounds polymerizable therewith in aqueous emulsion, the method of increasing the yield and improving the characteristics of the copolymer product which comprises conducting the copolymerization to substantial completion in the presence

of from 0.1% to 5% by weight of the copolymerized monomers of an alpha,beta-unsaturated

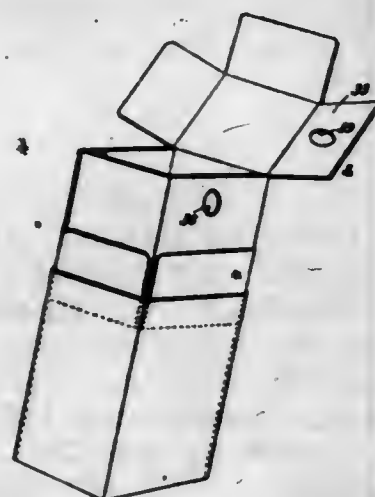


aldehyde containing from 4 to 5 carbon atoms and a tertiary carbon atom in alpha position.

2,388,168

DISPENSING CARTON

Frank A. Marx, Bridgetown, Ohio, assignor to The Richardson Taylor-Globe Corporation, Cincinnati, Ohio, a corporation of Ohio
Application May 14, 1943, Serial No. 486,995
2 Claims. (Cl. 229-11)



1. A dispensing carton of flexible sheet material and comprising an outer sleeve and a container portion slidable therein, the container portion consisting of a one-piece blank foldable to provide a body similar in cross-sectional outline to said sleeve, and end walls each formed with lateral flaps held against the body by said sleeve, one of the flaps and the body portion therebeneath being provided with a dispensing aperture normally covered by said sleeve and exposed by pushing the body outwardly of the sleeve to the required extent.

2,388,169

ELASTOMERS FROM ETHYLENE INTERPOLYMERS

Ambrose McAlevy, Daniel E. Strain, and Franklin S. Chance, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 24, 1944, Serial No. 519,545
15 Claims. (Cl. 260-79)

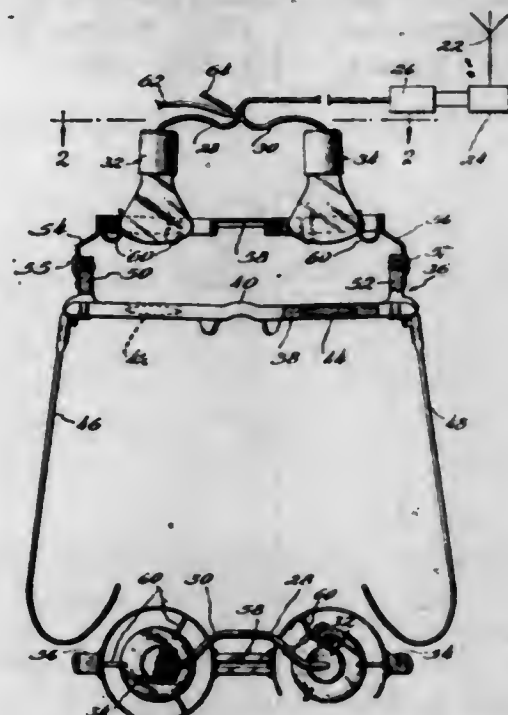
1. A process of curing an interpolymers of ethylene and an organic monocarboxylic acid ester of vinyl alcohol which comprises heating an inter-

mate mixture of sulfur and an interpolymers of ethylene and an organic monocarboxylic acid ester of vinyl alcohol which has been pyrolyzed at a temperature between approximately 250 and 400° C. whereby an elastomer is obtained.

2,388,170

STEREOSCOPIC TELEVISION APPARATUS

Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum executrix of said Henry J. De N. McCollum, deceased
Application April 15, 1943, Serial No. 483,155
4 Claims. (Cl. 178-6.5)

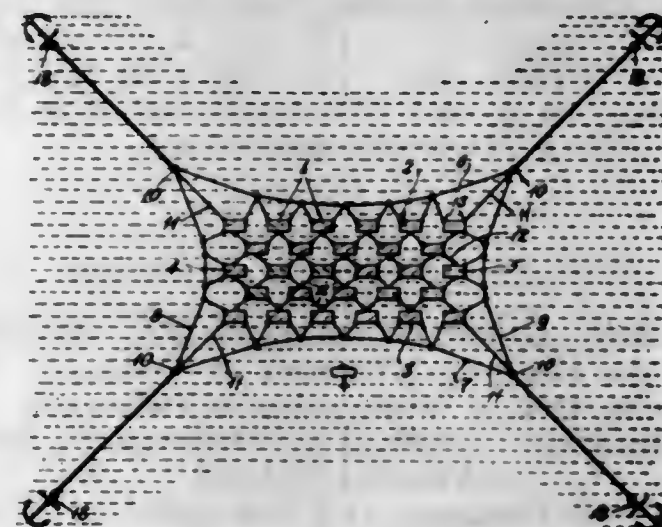


1. Stereoscopic television apparatus of the class described, comprising a spectacle frame, a pair of magnifying lenses mounted in said frame, and a pair of image creating tubes mounted in said frame in alignment with said lenses.

2,388,171

FLOATING BREAKWATER FOR SEAPLANES, FLYING BOATS, AND FOR OTHER USES

Edward W. McVitty, New York, N. Y.
Application July 13, 1944, Serial No. 544,686
3 Claims. (Cl. 114-43.5)

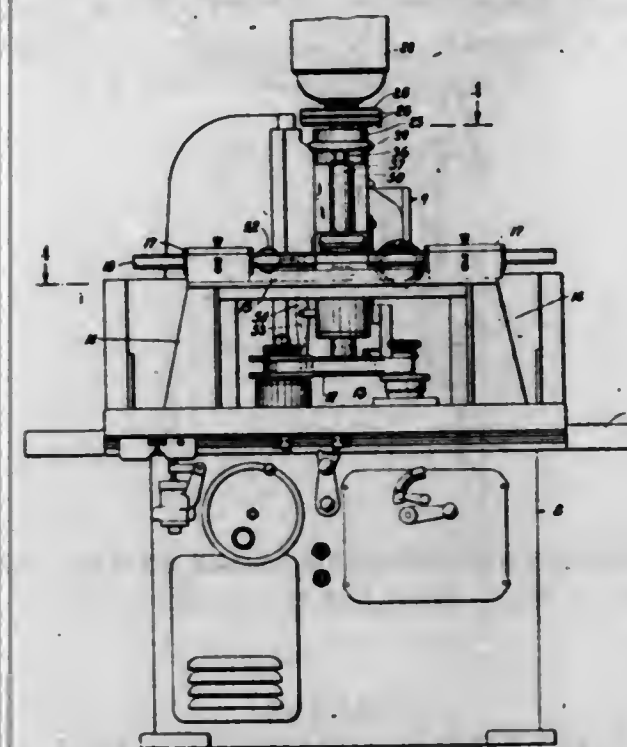


1. A breakwater for reducing the force of waves comprising a series of floats, each float being connected to an adjoining float by a flexible connection, a series of flexible connecting members forming the outside of said breakwater, the floats at the outer portion of the breakwater being individually connected to said flexible connecting members, ends of said connecting members converging together and being secured together, anchors attached at a series of spaced points to said connecting members for holding the floats apart.

2,388,172

GRINDER

Alexander Michailoff, Hinsdale, Ill., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application July 10, 1943, Serial No. 494,136
4 Claims. (Cl. 51-100)



1. In a grinding machine of the class wherein a base supports a reciprocal table positioned adjacent the upper end of the base for movement sidewise of the machine with a pair of end bracket members extending upwardly from the opposite ends of the table, head means is mounted for movement forwardly and rearwardly of the machine in a plane at right angles to the table, and a vertical grinding wheel spindle is rotatably mounted in said head means and has a grinding wheel on the lower end thereof, the combination with said machine of a cam plate supported on the upper ends of said bracket members and provided with a beveled edge extending generally sidewise of the machine, a cam follower having a follower shaft and comprising a frusto-conical member having its outer periphery beveled to correspond to the beveled edge of the cam plate but of a vertical extent less than the vertical extent of the beveled edge of said cam plate, the beveled edge of said cam follower cooperating with the beveled edge of said cam plate in different vertical positions of the follower to compensate for wearing away of said grinding wheel, an arm on said head means supporting said follower shaft for rotation about a fixed vertical axis parallel with and spaced from the axis of said grinding wheel spindle, and means for micro-metrically adjusting the vertical position of said cam follower along its vertical axis.

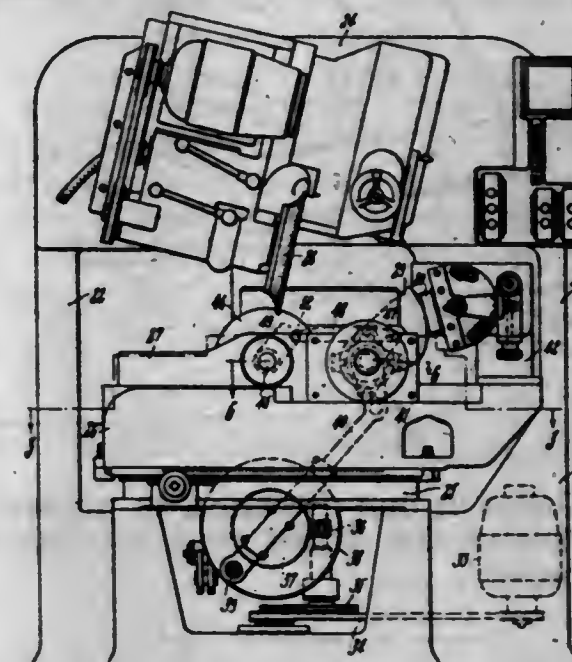
2,388,173

GENERATIVE GRINDING MACHINE

Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application December 20, 1940, Serial No. 370,955
23 Claims. (Cl. 51-123)

1. A machine for generating the face curves of gear teeth, gear cutter teeth, and other curved surfaces capable of generation by combined movements of rotation and translation, which comprises a rotating cutting tool mounted in fixed location, a work carriage displaceable relatively to said cutting tool, a cam rotatably mounted on said carriage, an abutment located in thrust re-

ceiving engagement with the face of said cam, a work spindle rotatably mounted on the carriage with its axis parallel to that of the cam, a connecting rod, and means comprising pivots cou-

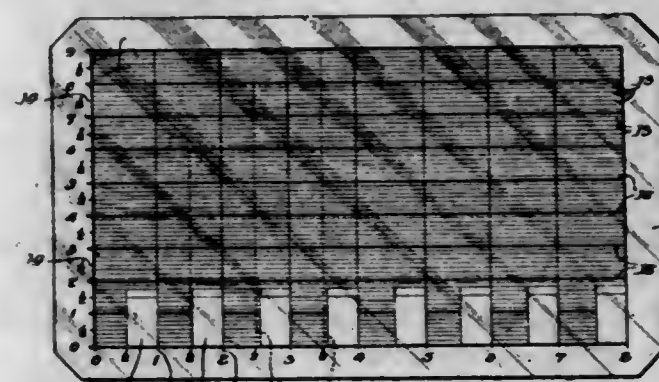


pling said rod to said cam and work spindle at points equidistant from both axes and at a distance from each other equal to the distance between said axes.

2,388,174

SQUARING SCALE

Edward R. Nachel, Chicago, Ill.
Application June 5, 1943, Serial No. 489,751
2 Claims. (Cl. 33-111)



1. A squaring scale comprising in combination, a transparent member having a plane surface on one side, a series of major dimensional lines extending longitudinally of said member in spaced linear unit relation with each other, a series of minor spaced lines extending parallel to said major lines in fractional linear unit relation with each other and with the said major lines, and a series of transverse lines defining column space on said member, the said longitudinal lines being interrupted at predetermined points to form half column cuts on said member.

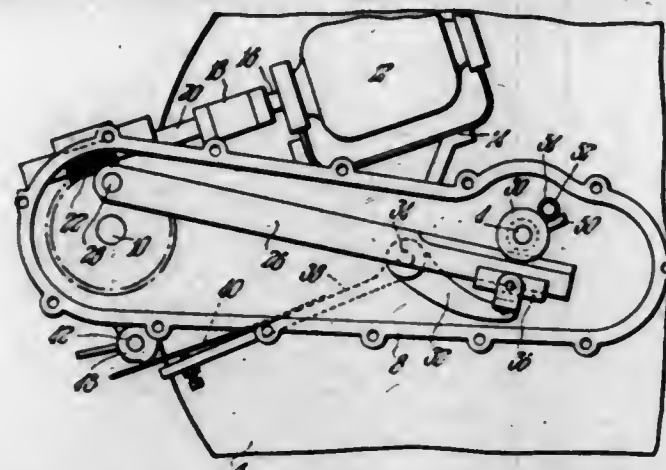
2,388,175

WASHING MACHINE DRIVE

John Oakley, Springfield, Mass., assignor to Perkins Machine and Gear Company, West Springfield, Mass., a corporation of Massachusetts
Application April 11, 1944, Serial No. 530,456
6 Claims. (Cl. 74-78)

1. In a mechanism for operating the agitator shaft of a washing machine comprising in combination, a support, an oscillatable wheel for said agitator shaft and a reciprocable bar having complementary wedging friction faces whereby the wheel is oscillated back and forth by the bar, adjustable means for applying varying pressures to the wheel and bar whereby the oscillating

strokes of the wheel are of an angle depending on the applied pressure, and means associated with the housing and wheel engageable as the



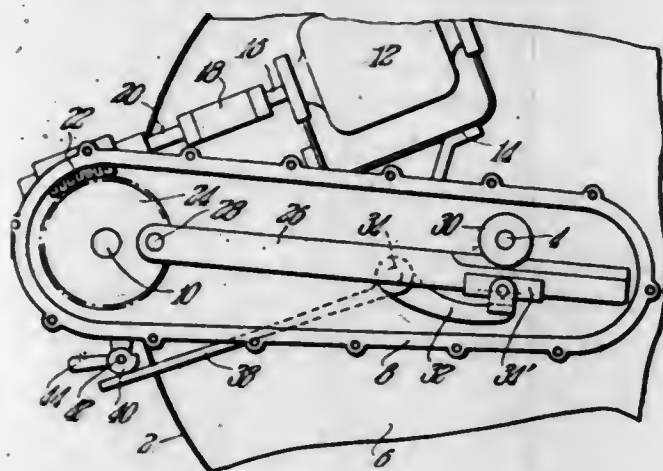
latter oscillates in one direction to prevent oscillating strokes of the wheel from moving around the axis thereof.

2,388,176

WASHING MACHINE DRIVE

John Oakley, Springfield, Mass., assignor to Perkins Machine and Gear Company, West Springfield, Mass., a corporation of Massachusetts

Application May 11, 1944, Serial No. 535,079
8 Claims. (Cl. 74-78)



1. In a mechanism of the class described comprising in combination, a support, oscillatable wheel and reciprocable bar members having complementary wedging friction faces whereby the wheel is oscillated back and forth by the bar, adjustable means for applying varying pressures to the wheel and bar whereby the oscillating strokes of the wheel are of an angle depending on the applied pressure, and means associated with said wheel member engageable with the bar member to prevent oscillating strokes of the wheel member from moving around the axis thereof.

2,388,177

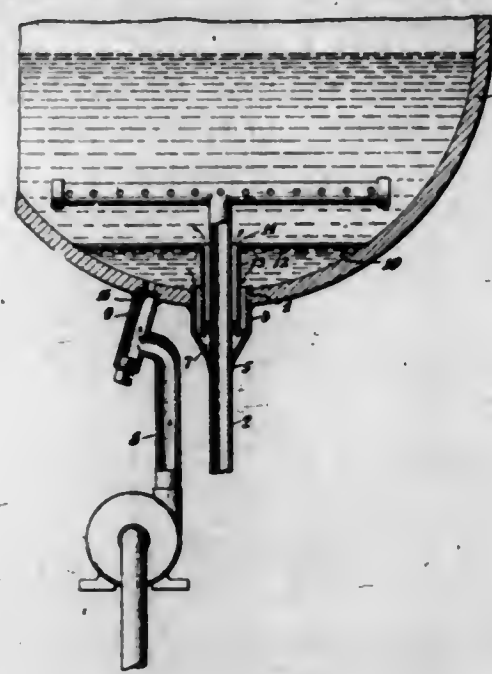
FEED-WATER CONNECTION TO BOILER DRUM

Ward S. Patterson, Chappaqua, and Julian L. Barnes, Yonkers, N. Y., assignors to Combustion Engineering Company, Inc., New York, N. Y.

Application May 8, 1943, Serial No. 486,124
8 Claims. (Cl. 122-365)

1. In a vessel containing a heated liquid having an outer tube fastened to the vessel and open at one end to the interior of the vessel, a tube for supplying a cold liquid to the vessel projecting through the outer tube and spaced from said outer tube to form an annular passage therebetween and means for fastening and sealing the inner to the outer tube at a point outside of and

spaced from the vessel; and pump means for continuously supplying a positive current of liquid at



a temperature substantially that of the liquid in the vessel to said annular passage.

2,388,178

POLYMERIZATION PROCESS

Merlin Dewey Peterson, Edgemoor Terrace, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 30, 1942,
Serial No. 452,892
8 Claims. (Cl. 260-94)

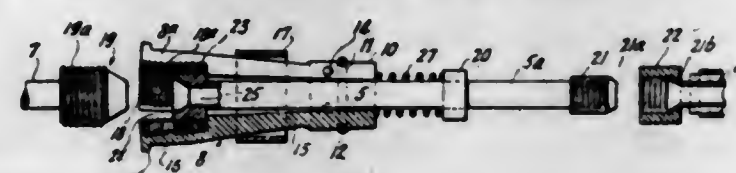
1. A process for polymerizing ethylene which comprises subjecting ethylene to elevated temperatures and pressures in the presence of polymerization-favoring quantities of free oxygen, water, and in the presence of an alkali, and at a pH higher than 7.

2,388,179

PIPE COUPLING

William Thomas Prowd, Middle Park, Victoria, Australia

Application January 15, 1944, Serial No. 518,343
In Australia February 6, 1943
4 Claims. (Cl. 285-150)



1. A pipe coupling comprising a sleeve rotatable relatively to and so arranged upon said pipe that one end of the latter is disposed within an internally threaded end of said sleeve which is comprised of a number of separate longitudinal and segmental sections, a resilient member arranged about the other end of said sleeve to retain said sections in yieldable pressure engagement, a number of concentrically arranged balls recessed between the abutting faces of said sections adjacent said member and intermediate the latter and the internally threaded end of the sleeve whereby said latter end is normally in an expanded condition to permit the free introduction of an externally threaded union part on the pipe to be coupled, a complementary union part upon the first mentioned pipe, and means slidably disposed upon said sections for contracting the expanded ends of said sections into threaded engagement

with the threaded union part so as to effect by the subsequent rotation of the sleeve fluid tight engagement between said union and complementary union part.

2,388,180

CHANGEABLE PRICE SIGN

Albert H. Pulver, Jr., Torrington, Conn.

Application January 20, 1942, Serial No. 427,467
6 Claims. (Cl. 40-125)



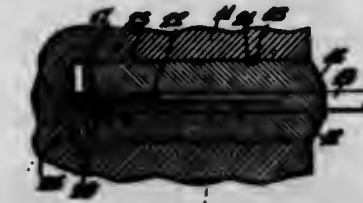
1. In a price indicating sign, a vertical open exterior supporting frame, a swinging display frame located within said open frame and pivotally suspended from the upper part thereof, said display frame having an aperture between the upper and lower sections thereof, two pairs of price indicating plates fitted back-to-back within said aperture and extending through the edges of said display frame, said plates being held from sliding out of said display frame when lying in the plane of said display frame by the edges of said surrounding supporting frame.

2,388,181

DOWEL PIN ASSEMBLY

Robert B. Purkiss, Indianapolis, Ind., assignor to Hill-Rom Company, Inc., Batesville, Ind., a corporation of Indiana

Application March 5, 1943, Serial No. 478,124
5 Claims. (Cl. 85-24)



1. A dowel pin assembly comprising a pin formed of expansible material and having a notch in the rear end thereof and a ring having an end adapted to engage in said notch and to protrude therefrom and thereby to expand the surfaces of the pin outwardly when the assembly is forced against the inner surface of a recess a portion of said loop being extended beyond the end of the pin to provide an attachment element on the surface in which the pin is positioned.

2,388,182

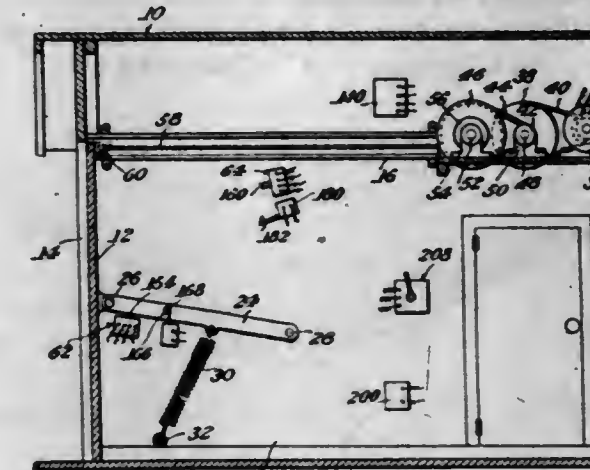
GARAGE DOOR

Victor E. Redding and Willis C. Michaelis, Minneapolis, Minn.

Application June 28, 1943, Serial No. 492,564
1 Claim. (Cl. 268-74)

The combination of a garage door, a reversible motor operatively connected with the door to move the latter to open and closed positions, an electric circuit having a reversing switch con-

nected with the motor, a closed door limit switch and an open door limit switch respectively opened through movement of the door to closed and opened positions, a transformer circuit connected with said first mentioned circuit, a relay means for actuating said reversing switch, a relay actuated switch electrically connecting said relay means with said transformer circuit, first and second switches interposed in said transformer circuit electrically connected with said relay actuated switch to selectively energize and deenergize said relay means to actuate said reversing

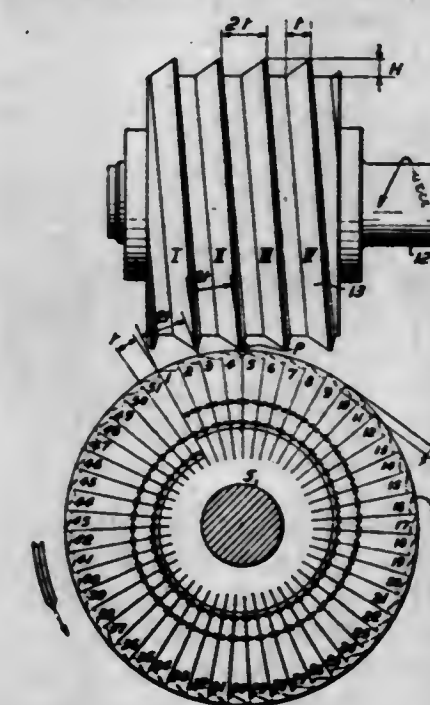


2,388,183

MACHINE FOR PRODUCING CIRCULAR SAWS

Alfred Rickenmann, Zurich, Switzerland

Application January 6, 1943, Serial No. 471,441
In Germany November 15, 1941
5 Claims. (Cl. 76-38)



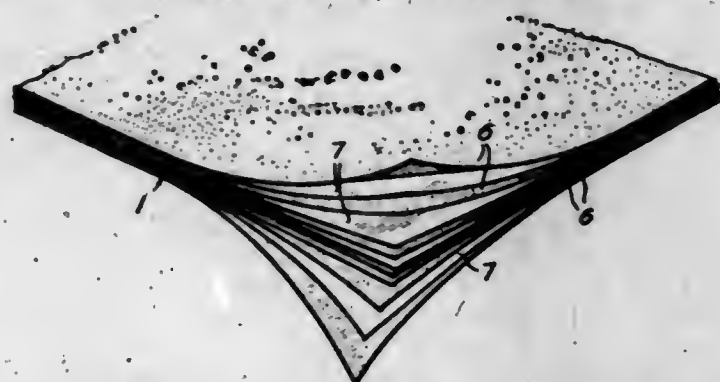
1. A method for producing sharp edge teeth on circular blanks with an uneven number of teeth by means of a rotary grinding disc with helically disposed grinding thread, including the steps of driving the grinding disc and the blank, while in operative engagement with each other, at a predetermined speed ratio with respect to one another grinding by alternate revolutions of the blank and continuous unidirectional rotation of the grinding disc the odd numbered teeth into the blank, and

grinding by alternate revolutions of the blank timely interposed between the first mentioned alternate revolutions of the blank the even numbered teeth thereof, while continuing rotation of the tool and the blank in the same direction.

2,388,184

HIGH STRENGTH LAMINATED AMINO PLASTICS

Kurt E. Ripper, Bronxville, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application August 17, 1940, Serial No. 353,150
5 Claims. (Cl. 154-43)

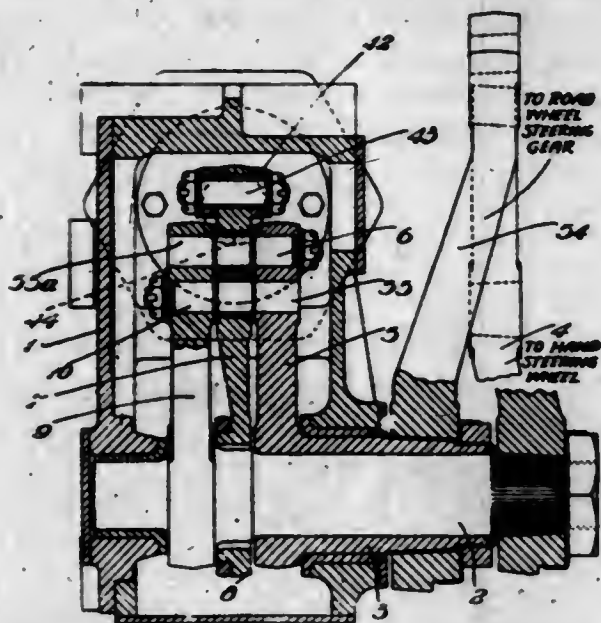


1. A relatively rigid laminated article which has been consolidated by heat and pressure comprising an assembly including a plurality of layers of cellulosic fibrous material and embedded therein at least one layer of glass cloth, between at least two sheets of said fibrous material, the assembly being bonded with a synthetic, thermosetting amino plastic resin.

2,388,185

STEERING MECHANISM FOR VEHICLES

John Rodway, Lincoln, England
Application November 2, 1943, Serial No. 508,768
In Great Britain June 22, 1942
7 Claims. (Cl. 180-79.2)



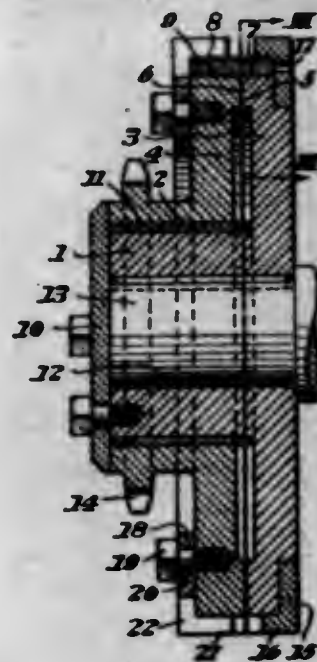
1. In a power operated steering device for vehicles having a power operated member and control means therefor, inner and outer concentric input and output shafts carrying arms, a reaction lever pivotally connected at different points between its ends to said arms, one end of said lever having means for connecting it to the power operated member and the other end of said lever freely surrounding the inner shaft and having means for connecting it to the control means, said lever being movable by the arm on the input shaft about its connection to the arm on the output shaft in a direction to operate the control means to energize the power operated member and thereby cause movement to be transmitted through said lever to the output shaft and steering wheels of the vehicle, and said lever balance-

ing about its pivotal connection to the output arm and thereby transmitting the reaction of the power operated member to the input shaft.

2,388,186

ROTARY SHEAR PIN DRIVE

Robert A. Rowsey, Gary, Ind.
Application June 27, 1942, Serial No. 448,784
2 Claims. (Cl. 64-28)



1. A rotary power drive including spaced coaxial rotary plates with at least one shear pin socket in each of their peripheral portions and a shear pin in said sockets and coupling said plates, the latter being positively spaced closely together and providing clean cutting shearing surfaces for said pin, said sockets comprising radially open recesses in the peripheries of said plates with one of said plates provided with a permanent part radially closing its said slot and having an opening registering with the end of said pin for insertion of a driving tool, the other of said plates having a closure for radially closing its said slot which can be opened to permit removal of said pin.

2,388,187

METHOD OF MANUFACTURING FRICTION FACING AND LIKE MATERIALS

Maurice Sallé, New York, N. Y., assignor to Thermoid Company, Trenton, N. J., a corporation of Delaware

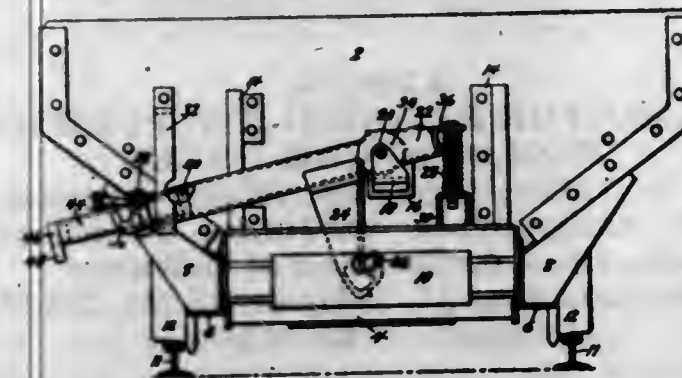
No Drawing. Application February 24, 1941, Serial No. 380,397
1 Claim. (Cl. 92-55)

The method of manufacturing friction facing and like materials of the class compounded of fibres, solid particles of a frictioning or other agent and a normally non-cementitious heat-reactive binding substance, said method comprising first compounding said ingredients in dry state to the form of a substantially uniformly disseminated mix, suspending said mix in water to form a flowable slurry in which the uniform dissemination of the ingredients is substantially preserved, flowing said slurry onto a filter bed and filtering the water through said bed by gravity to form an interfelted fibrous mass in which the fibres extend in all directions, thereafter applying heavy suction to said filter with consequent withdrawal of further water from the interfelted mass, subjecting said mass in the cold to pressure expressing still further moisture, drying the compressed mass at low temperature without materially affecting the said binding substance, and subsequently applying heavy pressure and heat to the mass to densify the latter and to convert the binding substance to cementitious state.

2,388,188

SLIDING SAFETY LOCK LEVER

Ernest R. Schroeder, Hawthorne, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Original application September 25, 1941, Serial No. 412,334. Divided and this application July 25, 1944, Serial No. 546,529
4 Claims. (Cl. 105-311)



1. In a drop bottom mine car, a drop bottom door hingedly carried by the car, a latch assembly pivotally carried by the car and having a part normally engaging the door to retain the same in raised position and movable to release the door for opening, said assembly including a tubular main latch lever part located wholly within the clearance limits of the car, and a latch lever extension slidably carried within the tubular main latch lever part and slidable from a retracted position within the clearance limits of the car to an extended position projecting beyond the clearance limits of the car.

2,388,189

AMINO ACID SYNTHESIS

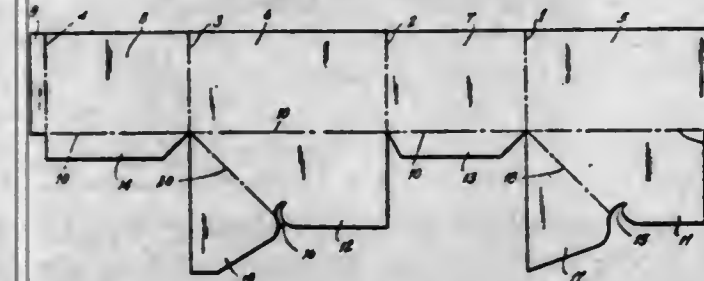
Carl E. Schweitzer, Newport, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 2, 1943, Serial No. 504,795
6 Claims. (Cl. 260-534)

6. In a process for the preparation of amino acids, the step which comprises treating an aqueous solution of barium salt of N-methyl aminoacetic acid with carbon dioxide at a temperature of about 50° to 100° C. under a pressure of about 30 to 50 atmospheres, whereby the barium is precipitated as carbonate, and N-methyl aminoacetic acid is liberated in solution.

2,388,190

FOLDABLE CARDBOARD BOX

Ralph F. Smart, St. Louis, Mo., assignor to Meade Hyndman, Highland, Ill.
Application February 22, 1943, Serial No. 476,695
1 Claim. (Cl. 229-39)



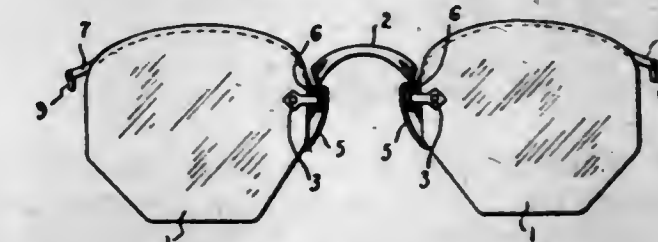
A foldable cardboard box composed of a one-piece cardboard blank including two opposite complementary side walls and two opposite complementary end walls integrally hinged together in endwise series by parallel transverse corner hinges, two complementary tabs having aligned hinges integrally connecting them with the lower edges of said respective side walls and two complementary tabs having aligned hinges integrally

connecting them with the lower edges of said respective end walls whereby all of said tabs may be folded upon said respective walls when said walls are flatwise, flaps having hinges integrally connecting them with said first named two tabs, and means attaching said flaps to the undersides of said second named two tabs, said first named two tabs having interengageable notches intersecting and curving away from the ends of said last named hinges for interlocking said first named two tabs and holding the ends thereof in fixed positions under said respective flaps and across the said hinges of said flaps and also vertically below said second two tabs when the box is open.

2,388,191

OPHTHALMIC MOUNTING AND METHOD OF MAKING AND ADJUSTING THE SAME

Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application November 1, 1943, Serial No. 508,544
10 Claims. (Cl. 88-41)



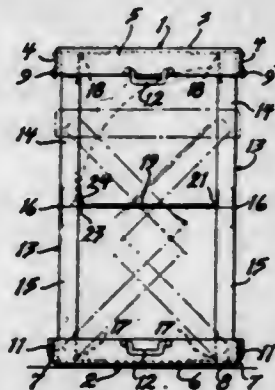
1. An ophthalmic mounting comprising a pair of lenses and a lens supporting structure for said lenses, said lens supporting structure comprising a bridge member, lens holding means adjacent the opposed sides of the bridge member, relatively long and slender temple supports secured adjacent the lens holding means and progressing upwardly and outwardly along the upper contour edges of the lenses and terminating in temple connections and temples secured to said temple connections, said lenses each having a connection opening therein to which the lens holding means may be attached, said connection openings being located along a horizontal medial line at a given predetermined location on the lenses for establishing the position of the optical centers of the lenses relative to the line of straight ahead vision through the lenses, the upper contour edges of said lenses being of substantially identical size and shape and being located above the horizontal medial line at a given controlled height with said shape being such as to follow substantially the contour of the brow line and with the height thereof above the horizontal medial line so controlled as to cause the upper contour edges of the lenses to lie below the brow line when the lenses are in accurate position before the eyes, the shape of said upper contour edges being that obtained by shaping the edge adjacent the vertical center line to a curve of a radius whose center lies below and out of the area of the lens and with curvatures on the opposed sides of said vertical center line which are of progressively shorter radii of curvature lying within the area of the lens and below the horizontal medial line and terminating in curvatures whose centers lie above the horizontal medial line and blend with the respective side edges of the lenses, said long and slender temple supports being of substantially the same size and shape as the upper contour edge of the respective lenses and being shaped to follow said upper contour edges with the upper surfaces thereof in substantially flush relation and with the long and slender temple supports located in a plane in the rear of the lenses whereby the

controlled height of the upper edges of the lenses above the horizontal medial line and the controlled contour shape thereof will cause the long and slender temple supports to lie beneath the brow line with a controlled clearance when the mounting is in position of use, the said temple supporting ends of the temple supports extending rearwardly of the lenses at a given controlled height above the horizontal medial line.

2,388,192

FOLDING STAND

Bruno Stechbart, Park Ridge, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application May 22, 1944, Serial No. 536,746
4 Claims. (Cl. 248-166)

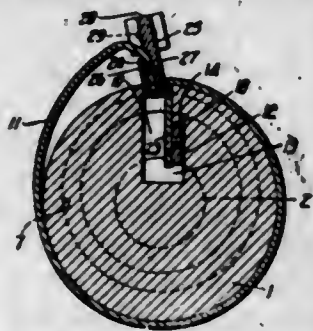


1. In a folding stand, the combination of a closure comprising two separable closure members forming opposite walls of the closure, and collapsible support means operative between said closure members to maintain said closure members in separated relation to form a stand of which said walls respectively form the top and base thereof and comprising three leg members pivotally connected at corresponding ends thereof with one of said closure members and of which two of said leg members are so pivotally connected on and are spaced along one axis and the third of said leg members is so pivotally connected on a second axis parallel to said one axis and is disposed intermediate said two leg members longitudinally of said axes and said leg members being correspondingly pivotally connected at their other ends with the other of said closure members on axes parallel to said first mentioned axes and each leg member comprising two longitudinal leg parts of equal length pivotally connected together on an axis parallel to said first mentioned axes for movement to and from extending leg part aligned stand forming positions and collapsed leg part folded positions within said closure.

2,388,193

PRINTING ELEMENT ATTACHING DEVICE

Lasslo M. Stempel, Coraopolis, Pa., assignor to The Lithograph Press Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 24, 1942, Serial No. 466,714
9 Claims. (Cl. 101-415.1)



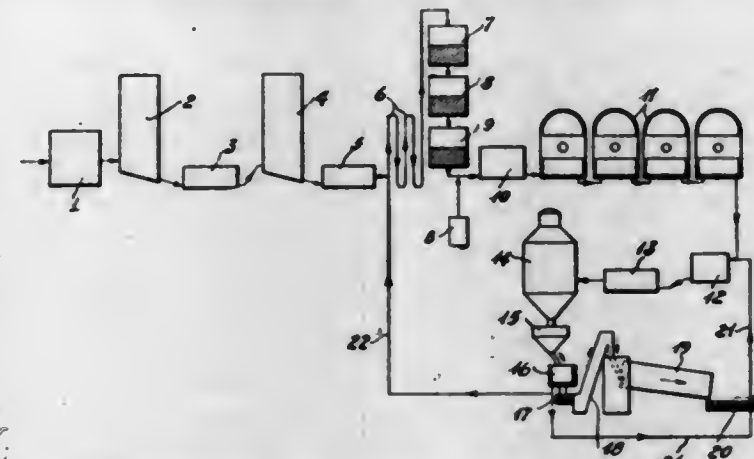
1. In a press cylinder having a narrow deep longitudinal groove therein, the combination with

a printing element formed of flexible material, a bar secured to one end of said printing element and arranged to engage a downwardly facing wall of the groove to anchor said end of the printing element in said groove, means for anchoring the other end of the printing element in said groove and means comprising a thin shim disposed between said wall of the groove and the bar to compensate for stretch of the printing element.

2,388,194

PROCESS FOR REFINING AND PURIFICATION OF SUGAR JUICES

Henry A. Vallez, Bay City, Mich., assignor, by mesne assignments, to Inflico Incorporated, Chicago, Ill., a corporation of Delaware
Application May 31, 1941, Serial No. 396,083
14 Claims. (Cl. 127-46)

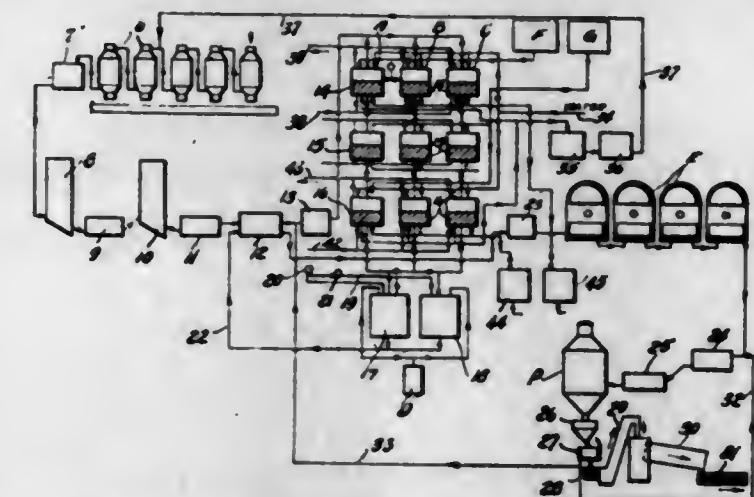


6. The method of refining a sugar solution which comprises defecating the solution to remove impurities, subjecting the thus clarified solution to the sequential exchange action of a bed of hydrogen exchange material and a bed of acid adsorption material, said sequential exchange action being effected below the temperature at which substantial inversion occurs.

2,388,195

PROCESS FOR PURIFICATION OF SUGAR JUICES AND THE LIKE

Henry A. Vallez, Bay City, Mich., assignor, by mesne assignments, to Inflico Incorporated, Chicago, Ill., a corporation of Delaware
Application October 19, 1942, Serial No. 462,640
7 Claims. (Cl. 127-46)



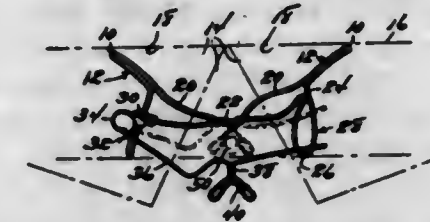
1. In the process of purifying a sugar juice wherein such juice is first defecated at an elevated temperature, then clarified and cooled, then passed through a plurality of parallel units, each unit comprising hydrogen exchange material and acid removal material, and wherein the final effluent from each unit is allowed to drop from an initial high pH to below a neutral pH before regeneration of the acid removal material, the improvement which comprises starting treatment in a unit at a time when treatment in another unit is at a progressed stage, and combining the low

pH effluent of the progressed unit with the high pH initial effluent of the starting unit to obtain a blended juice of desired medium pH.

2,388,196

TIE CLIP

Sophia Visas, Newark, N. J.
Application December 8, 1942, Serial No. 468,277
2 Claims. (Cl. 2-153)

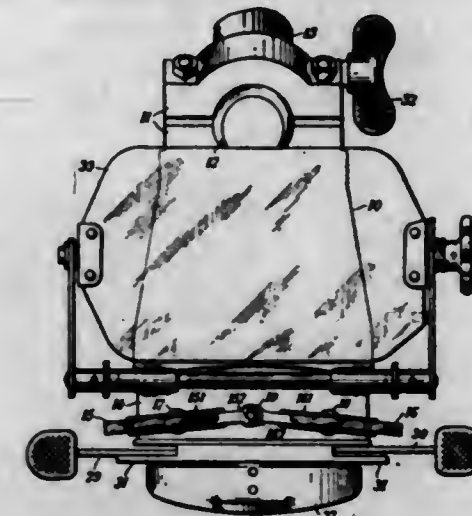


1. A tie clip of the type described comprising a first wire bent back upon itself to provide two fingers, said fingers having first and second runs of the wire, with the first runs twisted about themselves, one of said first runs continuing and bent back upon itself at two points to provide a loop continuing into the second run of one finger, the second run of the other finger being fixedly connected with the first run of the other finger, a spring wire connected with one of said second runs and extending through said loop, said spring wire having a portion bent back upon itself and shaped to provide an inverted V contour.

2,388,197

RANGE-FINDING APPARATUS

Barnes Neville Wallis, Weybridge, England, assignor to Vickers-Armstrongs Limited, Westminster, London, England
Application June 10, 1944, Serial No. 539,719
In Great Britain June 10, 1943
7 Claims. (Cl. 88-2.2)

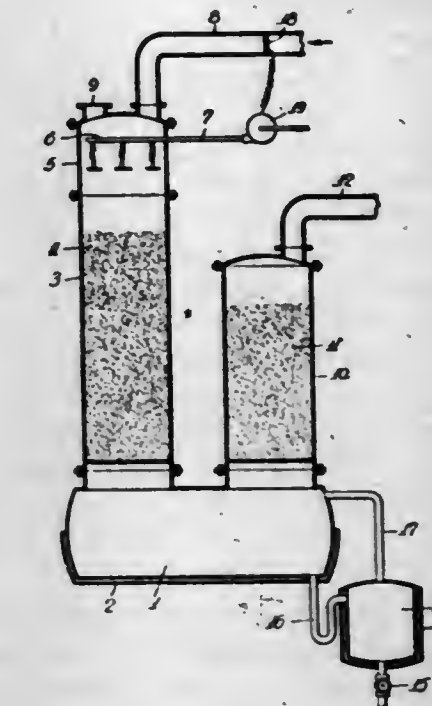


1. An instrument for use on an aircraft approaching a target for indicating the optimum target range at which a torpedo should be fired comprising two transparent reflecting screens through which an observer views the extremities of the target, said screens being mounted side by side and capable of individual pivotal movement in unison about parallel axes but in opposite directions, means for operating said screens so as to adjust the dihedral angle between them to a value supplemental to the known angle which is subtended at a given range at the observer's eye by an object of known dimension, and means for varying said dihedral angle to take into account the ground speed of the aircraft, the inclination of the target relative to the line of sight and the condition of the sea, whereby light from a source adjacent the eye of the observer is reflected by said screens to provide marks which come into coincidence with the extremities of the target as viewed through said screens when said optimum range is reached.

2,388,198

PROCESS FOR THE VAPORIZATION OF ORGANIC COMPOUNDS

John M. Weiss, New York, N. Y., assignor to John M. Weiss and Co., New York County, N. Y.
Application July 15, 1943, Serial No. 494,874
4 Claims. (Cl. 260-342)



2. The method of forming a naphthalene vapor and air mixture for vapor phase catalytic oxidation, which comprises delivering air and liquid naphthalene in predetermined relative proportions to the upper part of a tower containing members presenting a multiple of separate surfaces over which and from one to another of which liquid naphthalene may flow, sweeping the liquid naphthalene downwardly and distributing it as thin films over said surfaces by the action of the downflowing current of air while maintaining the temperature of the air and naphthalene substantially above the melting point of the naphthalene, whereby the liquid naphthalene is exposed to evaporating action in said thin films and on said surfaces, and separating and withdrawing non-vaporized material from the gaseous mixture of air and naphthalene at the bottom of the tower.

2,388,199

MINERAL OIL COMPOSITION

Robert H. Williams, Merchantville, and Everett W. Fuller Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application April 14, 1943,
Serial No. 483,070

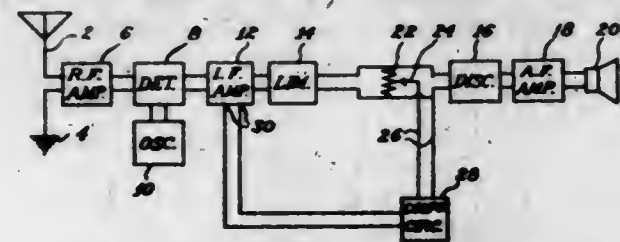
16 Claims. (Cl. 252-32.7)

1. An improved mineral oil composition comprising a viscous mineral oil fraction having in admixture therewith a minor proportion, sufficient to depress the pour point of said oil fraction, of a metal salt of an acidic, phosphorus- and sulfur-containing reaction product, said reaction product having been obtained by reaction of phosphorus pentasulfide and an olefinic alcohol, and said olefinic alcohol having been obtained by first halogenating a petroleum wax having at least twenty carbon atoms to form a halogenated petroleum wax and thereafter substantially dehalogenating said halogenated petroleum wax with aqueous alkali to form said olefinic alcohol, said salt possessing pour point depressant action.

2,388,200

FREQUENCY MODULATION SYSTEM

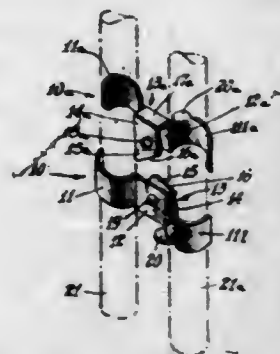
Raymond M. Wilmotte, Washington, D. C.
Application December 26, 1941, Serial No. 424,521
9 Claims. (Cl. 250—20)



1. The method of receiving one of two signals occupying a common portion of two overlapping frequency bands, the stronger signal being frequency modulated, which comprises receiving said signals together, increasing the ratio of the stronger signal to the weaker signal and feeding back a portion of the signals after their ratio has been increased, the basic frequencies of the portion of the signals fed back and of the said two signals being the same.

2,388,201
CLAMP

Joseph W. Wohlhieter, East Orange, N. J., assignor to The Palnut Company, Irvington, N. J., a corporation of New Jersey
Application June 8, 1943, Serial No. 490,051
7 Claims. (Cl. 24—81)



1. A clamp for bridging attachment to two spaced objects, said clamp consisting of only two pieces and comprising: a strap member having a body portion and two spaced clasp formations for engaging respectively one face of each of the objects, a second strap member having a body portion and two spaced clasp formations for engaging respectively the opposite face of each of the objects, and means for interlocking the two strap members by edgewise relative movement of said strap members with each in said engagement with both of the objects, said means comprising a spring clip integral with one of the strap members and laterally spaced from the body portion thereof to receive and retain the body portion of the other strap member beneath it.

2,388,202

PRODUCTION OF CHLORINE DIOXIDE

Eric E. Woodward, New York, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application June 23, 1943, Serial No. 491,953
3 Claims. (Cl. 23—152)

1. In the process for producing chlorine dioxide wherein chlorine gas is reacted in a reaction zone with an aqueous solution of a water-soluble chlorite to form the chlorine dioxide and the thus-formed chlorine dioxide is stripped from the solution in the reaction zone by the bubbling of an inert gas through the solution and passed from

the reaction zone in admixture with the inert gas, the improvement which comprises separately and concurrently injecting the chlorine gas and the inert gas into a single body of the aqueous chlorite solution in the reaction zone.

2,388,203

VIEWING DEVICE FOR CATHODE-RAY TUBE SCREENS AND THE LIKE

George Zindel, Jr., Elkins Park, Pa., assignor to Philco Radio & Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application September 10, 1942, Serial No. 457,858
2 Claims. (Cl. 250—164)

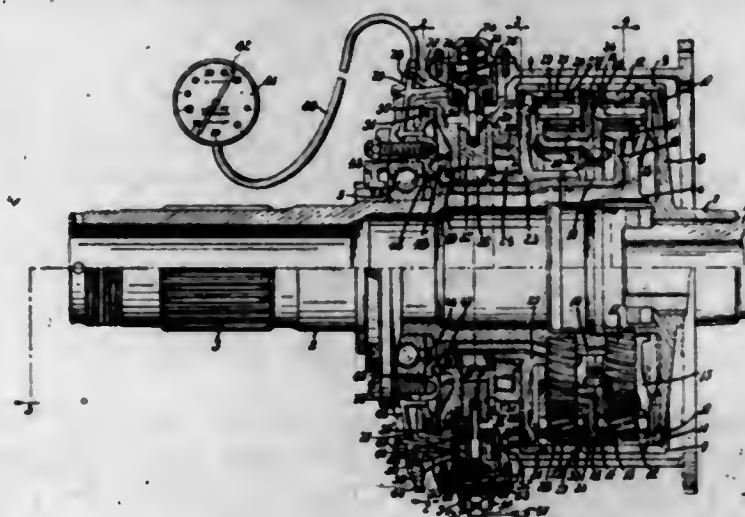


1. In combination with a cathode ray tube having a viewing screen, a viewing device comprising a light mask in proximity to said screen, said mask comprising a first thin plastic sheet having alternate transparent and opaque elements, and a second thin plastic sheet adjacent said first sheet and having alternate transparent and opaque elements disposed substantially at right angles to those of said first sheet, said elements being so constructed and arranged that the screen may be viewed by an observer through said transparent elements and the screen is shielded by said opaque elements from extraneous light.

2,388,204

PLANETARY TRANSMISSION

William B. Barnes, Muncie, Ind., assignor to Barnes Motor Developments Company, Muncie, Ind., a partnership composed of William B. Barnes and Freda Arthur Barnes
Application May 19, 1941, Serial No. 394,060
36 Claims. (Cl. 74—269)



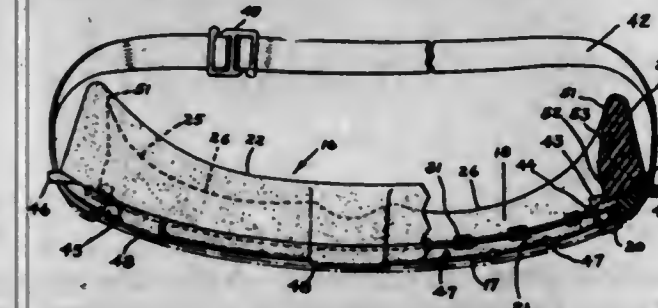
1. In a change speed transmission, the combination with a driving shaft and a driven shaft, of a planetary gear drive for establishing a relatively fast speed drive from said driving shaft to said driven shaft and including a driving gear and a control gear, operator controlled means for holding said control gear of said planetary gear drive against rotation to establish said drive between said shafts through said gearing, and a second planetary gear drive for establishing a relatively slow speed drive from said driving shaft to said driven shaft including a driving gear and a control gear holding means for holding said control gear of said second planetary gearing against rotation, the driving gear of said fast speed drive being driven from the driving shaft independently of the driving gear of said slow speed driving gear said holding means being in-

operative during the operation of said fast speed drive and operating automatically in response to a release of said fast speed drive to establish said relatively low speed drive.

2,388,205

EYE PROTECTION MEANS

Daniel P. Bernheim and Edward M. Splaine, Southbridge, William H. Lehmborg, Newton, Walter Lown, Boston, and Charles A. Baratelli, Cambridge, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application December 14, 1942, Serial No. 469,020
4 Claims. (Cl. 2—14)



1. A device of the character described comprising a single aperture facepiece of flexible and resilient material adapted to fit about the eyes of the wearer, a single lens for said aperture, a groove in said facepiece to receive the peripheral edge of the lens, releasable fastener elements carried by the facepiece and extending into said groove to engage the lens, and a plurality of spaced recesses in the walls of said groove open to the interior of the facepiece, with the walls of said recesses spaced away from the sides of the lens and also from the edge thereof, whereby air may enter said recesses at one side of the lens and pass about the edge of the lens into the facepiece when in position of use on the face.

2,388,206

RELEASE AGENT FOR FILM-CASTING AND EMBOSING OPERATIONS

Harry L. Boulton and Albert B. Savage, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 21, 1942, Serial No. 469,696
5 Claims. (Cl. 106—179)

1. A composition including an organo-soluble cellulose ether, a plasticizer for the cellulose ether and, as a release agent, from 0.5 to 12 per cent by weight of a polyglycol ester of an organic carboxylic acid, said polyglycol having a molecular weight of from 2000 to 5000.

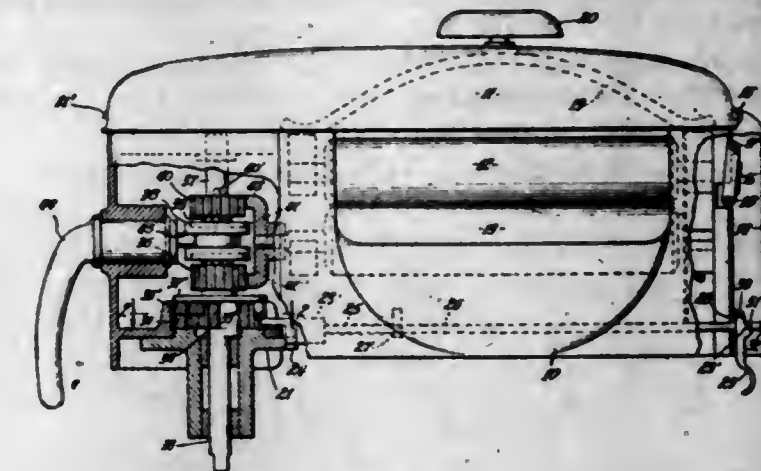
2,388,207

WRINGER

Nicholas L. Etten, Waterloo, Iowa
Application April 28, 1941, Serial No. 390,673
3 Claims. (Cl. 68—249)

3. In a power wringer, a frame, a support post pivotally supporting the frame, a pair of coacting pressure rolls in the frame, a reversible roll drive gear head rigidly mounted on the frame, gear head drive means including a high speed low torque gear head drive shaft connected to the gear head, safety roll stop and roll pressure release mechanism operable by pivotal movement of the wringer frame on the post, said safety roll mechanism having releasable detent means to normally prevent pivotal movement of the wringer

on the post by the normal torque of the drive shaft, said roll stop means being releasable by excessive torque of the drive shaft produced by

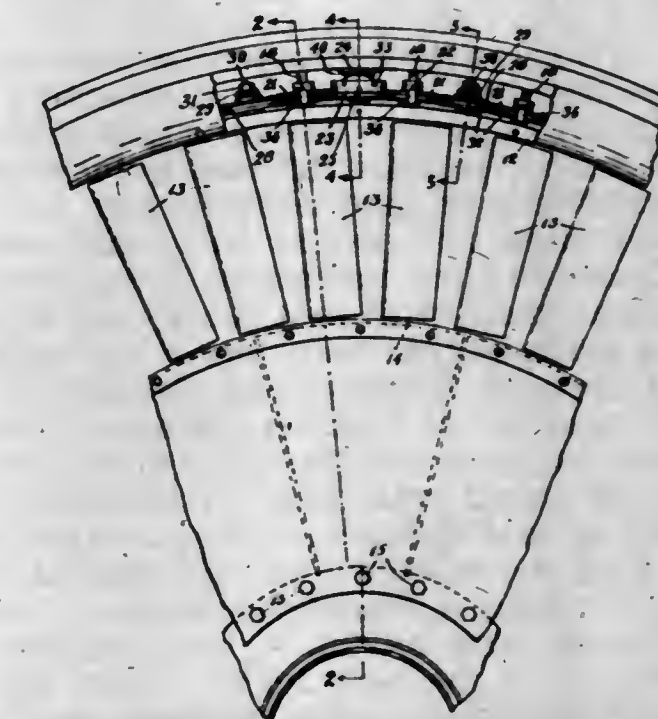


jamming of the pressure rolls to stop rotation of the rolls, and said roll pressure release mechanism being actuated by minor manual force to release roll pressure.

2,388,208

CONTROL VANES FOR FANS

Benjamin S. Foss, Brookline, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass.
Application May 27, 1943, Serial No. 488,699
3 Claims. (Cl. 230—114)



1. A propeller fan assembly comprising a plurality of propeller blades, an inner cylindrical wall around said blades and extending upstream thereof and forming an inlet passage thereinto, an outer wall spaced from said inner wall, a plurality of spin vanes arranged in said passage, inner bearings journaled in said inner wall, substantially radially extending rotary shafts having their inner ends attached to the outer ends of said vanes, said shafts extending through said bearings into the space between said walls, outer bearings around the outer ends of said shafts, means supporting said outer bearings in the space between said walls, vane adjusting pulleys attached to said shafts between said inner and outer bearings, shafts attached to and extending radially outwardly from said inner wall into said space, idler pulleys rotatably mounted on said last mentioned shafts between adjacent pairs of said first mentioned pulleys, a belt in said space in contact with all of said pulleys, and means for rotating said belt, said idler pulleys being positioned to lead said belt substantially normally over said vane adjusting pulleys.

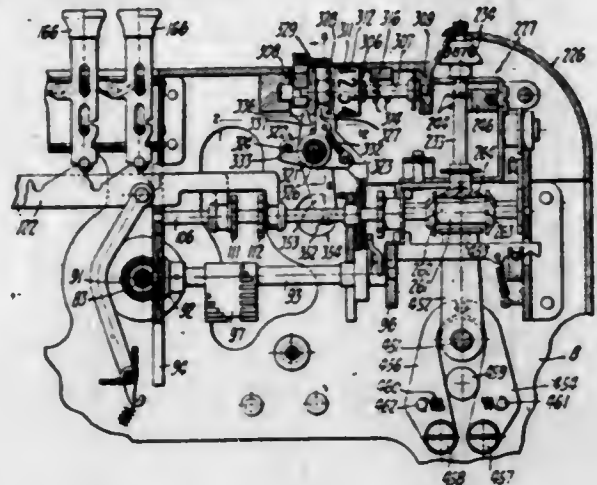
2,388,209

REVOLUTIONS COUNTER ACTUATOR

Carl M. F. Friden, Pleasanton, Calif., assignor to Friden Calculating Machine Co., Inc., a corporation of California

Original application May 8, 1934, Serial No. 724,482. Divided and this application December 16, 1940, Serial No. 370,256

6 Claims. (Cl. 235-73)



2. In a calculating machine, a revolutions counter comprising a series of numeral wheels, each numeral wheel having a gear for receiving increments of movement and a disc mounted for movement with said gear, said disc having a notch therein, and an actuator for said revolutions counter, means mounting said actuator for both axial movement and oscillation about its axis, the axis of said actuator being disposed transversely to the axes of rotation of said gears, means for operating said actuator including selectively controllable means for imparting axial reciprocation thereto in one direction or the opposite to effect rotation of said numeral wheel gears additively or subtractively and including means for imparting oscillation to said actuator about its axis to effect movement thereof into and out of engagement with said gears, said actuator having a tooth in the lowest order for actuating the gear opposite thereto upon operation of said actuator, a series of transfer elements mounted on said actuator for reciprocation therewith and individually urged resiliently to oscillate therewith, each of said elements having a finger cooperating with one of said discs and blocked thereby except during a transfer operation, each of said elements also having a tooth cooperating with the gear in the next higher order, the said notches in said discs being disposed so that in additive actuation of said counter upon initial oscillation of said actuator a finger enters the notch of its associated disc when the numeral wheel stands at "9" to permit the transfer tooth in the next order to engage its gear and so that in negative actuation of said counter upon initial oscillation of said actuator a finger enters the notch of its associated disc when the numeral wheel stands at "0", and means effective upon blocking of an element of lower order by the associated disc for restraining the similar elements of higher order.

2,388,210

REFRIGERATION SYSTEM FOR AIR-CONDITIONED PASSENGER VEHICLES

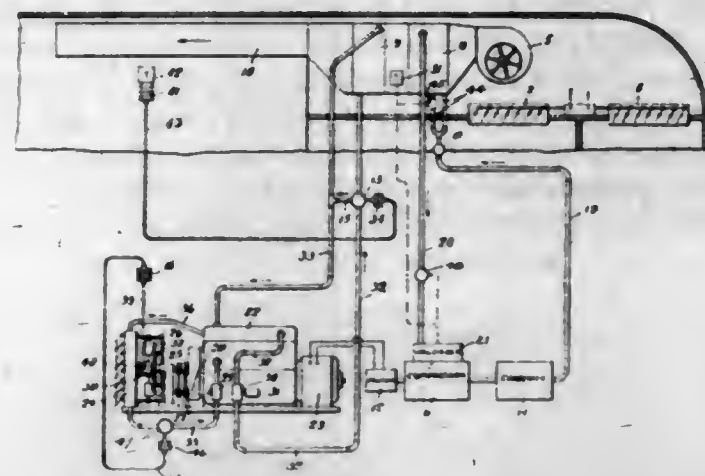
Milton E. Hanson, Haddonfield, N. J., and Robert T. Palmer, Sharon, Mass., assignors to B. F. Sturtevant Company, Hyde Park, Boston, Mass.

Application April 23, 1943, Serial No. 484,198

6 Claims. (Cl. 257-3)

3. An air conditioning system comprising a variable surface air cooling evaporator, means

including a multiple cylinder compressor for supplying refrigerant to said evaporator, means including a liquid cooled internal combustion engine for energizing said compressor, means including means responsive to changes in the temperature of the air from said evaporator for varying the effective surface of said evaporator and for vari-



ably loading and unloading said compressor, a reheater for the air from said evaporator, means for circulating cooling liquid from said engine through said reheater, and means including a dry bulb thermostat responsive to changes in the temperature of the air from said reheater for varying the volume of said liquid through said reheater.

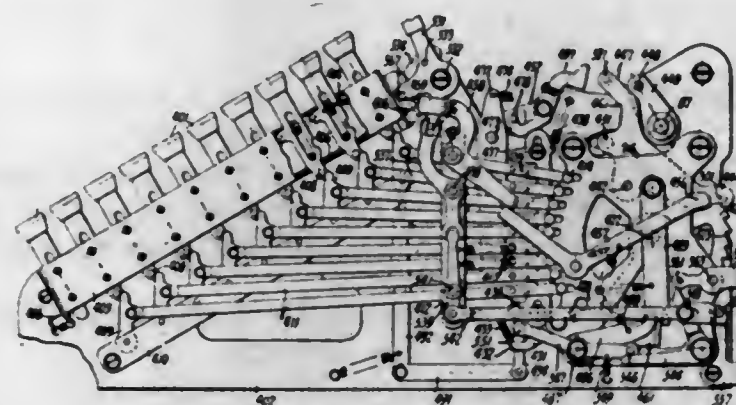
2,388,211

CONSTANT MULTIPLIER CONTROL

Anthony B. Machado, Oakland, Calif., assignor to Friden Calculating Machine Co., Inc., a corporation of California

Application September 8, 1941, Serial No. 409,955

3 Claims. (Cl. 235-63)



1. In a calculating machine having a shiftable register carriage, tabulating mechanism for said carriage including means for selecting the ordinal position to which the carriage is to be shifted and a manually operable tabulating key for initiating operation of said tabulating mechanism, and multiplier mechanism for causing multiple entry of items in said register including a series of manually operable multiplier keys and means for locking a depressed key in depressed position during a multiplying operation, the combination with said mechanisms of selectively operable control means including a manually settable member and controlling connections from said member to said mechanisms to render said multiplier mechanism operable in response to operation of said tabulating mechanism for sequential operation upon depression of said tabulating key, said manually settable member being movable to active position with a multiplier key depressed to maintain said locking means active.

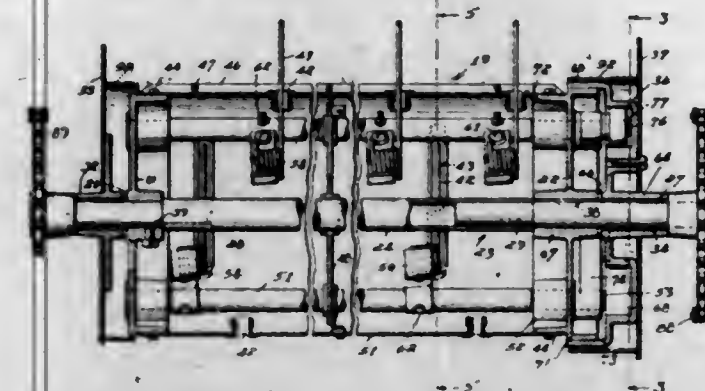
2,388,212

PICKUP

Calvin B. McElhoe, Detroit, Mich., and George W. Swartz, Peoria, Ill., assignors to Hart-Carter Company, Peoria, Ill., a corporation of Delaware

Application August 23, 1943, Serial No. 499,722

3 Claims. (Cl. 56-364)



1. In a pick-up attachment for a harvesting machine or the like, a rotary drum having end members, a rod rotatably supported in said end members, a series of flexible pick-up elements on said rod, each of said elements being formed of a single body member having a coil spring portion and a pick-up portion, a supporting member for each element having a substantially double U-shape in cross section, with said coil portion being cradled in one of said U parts and connected at one end between the two U parts, and the other U part being adapted to receive said rod, means for securing a supporting member on said rod so that the pick-up portion of a finger element is projected outwardly from the periphery of said drum, means for rotating said rod to periodically move said pick-up portions toward and away from the periphery of said drum, with a pick-up portion being movable, on striking an obstruction, in a direction such as to increase the pressure of a corresponding coil portion.

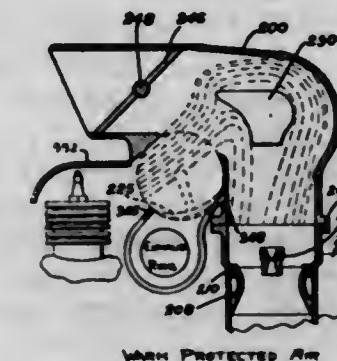
2,388,213

AIRSCOOP FOR INTERNAL-COMBUSTION ENGINES

Frank C. Mock, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application November 23, 1942, Serial No. 466,619

44 Claims. (Cl. 123-122)



1. A scoop for supplying a moving column of air to a charge forming device for an internal combustion engine comprising means for at times preventing the entrance of air at atmospheric conditions, means for controlling the entrance thereto of air from at least one of a plurality of heating sources, and means coupled with said second means for closing said first means to prevent entrance of air at atmospheric condition when said second means admits the air from said plurality of heating sources.

579 O. G.-56

2,388,214

MACHINING STEELS

Donald William Murphy, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania

No Drawing. Application August 27, 1941,

Serial No. 408,493

2 Claims. (Cl. 75-123)

1. A free-machining steel containing carbon from 0.10% to 0.50%; sulphur from 0.06% to 0.30%; boron from 0.004% to 0.02% and the balance substantially all iron.

2,388,215

MACHINING STEELS

Donald William Murphy, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania

No Drawing. Original application August 27, 1941, Serial No. 408,493. Divided and this application August 6, 1945, Serial No. 609,325

1 Claim. (Cl. 75-123)

A free-machining steel containing carbon from 0.10% to 0.50%; sulphur from 0.06% to 0.30%; boron from 0.004% to 0.01%; nitrogen from 0.004% to 0.018% and the balance substantially all iron.

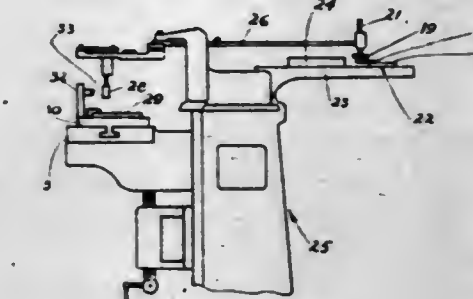
2,388,216

PRECISION GRINDING WHEEL DRESSING DEVICE FOR PANTOGRAPH MACHINES

Leonard Nachemov, New York, N. Y., assignor to Abraham J. Sossner, Theodore T. Sossner, and Nettie Sossner, a copartnership doing business as Sossner Steel Stamps, New York, N. Y.

Application December 7, 1944, Serial No. 566,991

7 Claims. (Cl. 125-11)



1. In a precision dressing device for the work grinding wheel of a profiling machine of the pantograph type including a pattern follower wheel on a shank carried by the pantograph linkage, a work holding table and a pattern holding table, the combination of a mounting member adapted to be secured on the pattern holding table, a stop member secured on the mounting member, a pattern follower wheel guide member movably mounted on the mounting member in a direction along the stop member, means to secure the guide member in any predetermined position on the mounting member, means to finely adjust the position of the guide member when the guide member is free to move; said guide and stop members being at different levels with respect to the pattern holding table; the pattern follower wheel being adapted to be guided manually, in contact with and along an edge of the guide member; said edge determining the movement of the grinding wheel in a given direction, a grinding wheel dressing member fixed on the work holding table in the line of movement determined by said edge of the guide member; the stop member presenting an edge transverse said edge of the guide member; the shank of the pattern follower

wheel being adapted to contact said edge of the stop member when the grinding wheel has been dressed to a predetermined diameter by the dressing member.

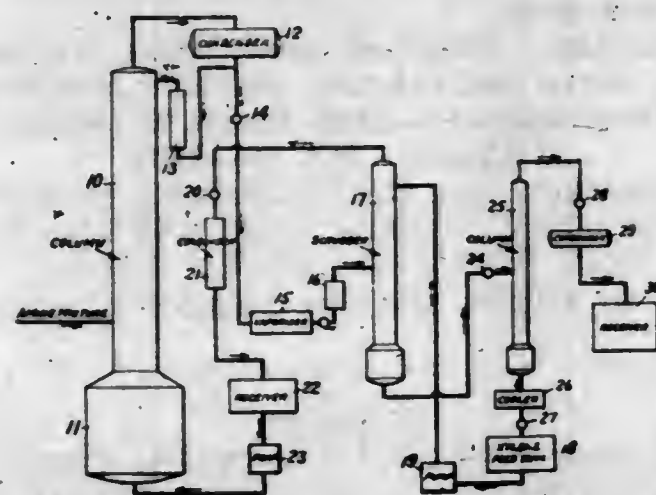
2,388,217

SEPARATION OF TRIMETHYL AMINE AND AMMONIA FROM AMINATION REACTION MIXTURES

John F. Olin, Grosse Ile, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa., a corporation of Delaware

Original application September 2, 1942, Serial No. 457,053. Divided and this application February 26, 1943, Serial No. 477,268

6 Claims. (Cl. 202-41)



1. In the separation of ammonia from a mixture containing ammonia and trimethyl amine, the process comprising selectively extracting trimethyl amine from the mixture by dissolving said trimethyl amine in an aromatic hydrocarbon solvent chosen from the class consisting of xylene, toluene and benzene and separating ammonia from the resulting solution by distillation.

2,388,218

MANUFACTURE OF NITRILES

John F. Olin, Grosse Ile, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa., a corporation of Delaware

No Drawing. Application December 29, 1943, Serial No. 516,091

7 Claims. (Cl. 260-464)

1. In the manufacture of nitriles by dehydrogenation of amines, the process comprising mixing the amine to be dehydrogenated with a hydrogen acceptor chosen from the class consisting of non-conjugated olefins and aromatic hydrocarbons, and effecting the desired dehydrogenation reaction by contacting the resulting mixture with a hydrogenating and dehydrogenating catalyst.

2,388,219

LIMIT CONTROL

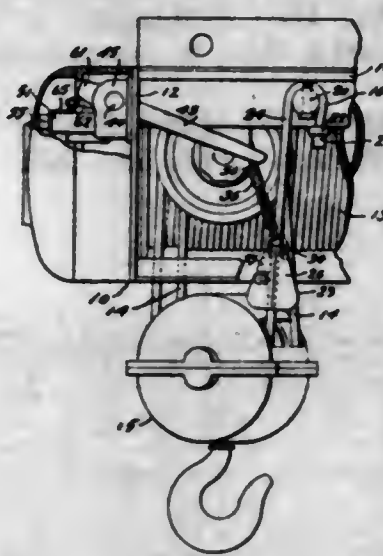
Humphrey F. Parker, Kenmore, N. Y., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York

Application September 1, 1943, Serial No. 500,804

6 Claims. (Cl. 192-138)

1. A suspended control member for a hoist, comprising a weighted body having complementary sections for loosely embracing the load-suspending cable of the hoist, each section having a cable-receiving groove and a fastener-receiving aperture, and means operatively suspending the weighted body and including a ring loosely engageable with both sections thereof, said suspend-

ing means being such that when supporting the sections the fastener-receiving apertures thereof



will register with each other for receiving a fastener.

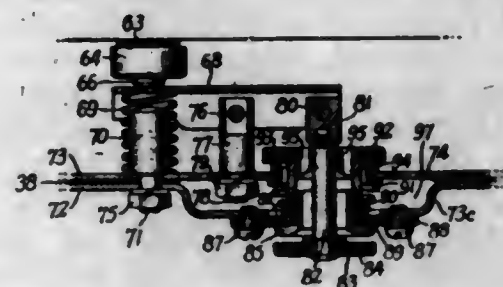
2,388,220

VALVE APPARATUS

Edward A. Rockwell, Cleveland, Ohio

Original application April 11, 1941, Serial No. 388,003. Divided and this application February 17, 1943, Serial No. 476,245

8 Claims. (Cl. 121-41)



1. A valve structure comprising a movable wall, an enclosure containing the same, inlet and outlet valves provided with valve members having a fluid pressure-responsive supporting means for said valves yieldingly mounted for independent fluid pressure-responsive movement relative to and on said wall, a source of fluid pressure for moving the wall controlled by the valves, said valves being relatively movable, and means mounted on said wall for opening and closing said valves.

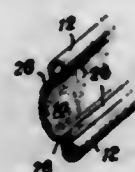
2,388,221

DEVICE FOR RECEIVING, RETAINING, AND RELEASING ARTICLES

Robert Armstrong Smith, Mahwah, N. J.; Mary Gray Smith, Margaret Smith Pryde, and Mary Smith van Brederode, executrices of said Robert Armstrong Smith, deceased, assignor to Lewis W. Chubb, Jr., Sharon, Mass., as trustee

Application August 1, 1940, Serial No. 349,068

2 Claims. (Cl. 133-6)



1. A device for receiving, retaining and relinquishing coins having a predetermined dimension, said device comprising a trough-shaped element open at least at one end, said open end being at all times exposed, the material of said element being resilient, and the side portions of said ele-

ment forming flanges, at a distance from each other slightly less than said dimension, each of said flanges being integral with the floor of said element and bent as a whole into a curl having its surface convex toward the curl of the opposite flange, whereby said coins may be inserted from the open face of said element and may be resiliently retained by and between said curls, and may be slid endwise for removal, and means for attaching said device to a support, the floor of said element being arcuate at least in part and having flattened portions adjacent said curls, whereby force on the back of said element toward a retained coin releases the pressure between said curls and the retained coin.

2,388,222

PURIFICATION OF SUGAR SOLUTIONS

Abraham Sidney Behrman, Chicago, Ill., assignor to Inflico Incorporated, a corporation of Delaware

No Drawing. Application April 27, 1940,

Serial No. 331,931

12 Claims. (Cl. 127-55)

1. A process for the purification of a sugar bearing solution which comprises contacting the solution successively with a hydrogen exchange body, with an active carbon, and with an acid-adsorbing body.

2,388,223

PURIFICATION OF SUGAR SOLUTIONS AND THE LIKE

Abraham Sidney Behrman, Chicago, Ill., assignor to Inflico Incorporated, Chicago, Ill., a corporation of Delaware

No Drawing. Application February 17, 1941,

Serial No. 379,297

12 Claims. (Cl. 127-55)

1. The process of treating impure acidic solutions containing organic material which precipitates upon change in the pH of the solution, which comprises treating the solutions prior to treatment with a water-insoluble acid-removal body with active carbon to remove substances which would precipitate upon said water-insoluble acid-removal bodies upon contact therewith and thereafter subjecting said solution to treatment with a water-insoluble acid removal body to reduce the acidity of said solution through a range in which the separation of said substances would be enhanced if not previously removed from said solution.

2,388,224

PURIFICATION OF SUGAR SOLUTIONS

Abraham Sidney Behrman, Chicago, Ill., assignor to Inflico Incorporated, a corporation of Delaware

No Drawing. Application November 25, 1941,

Serial No. 420,347

7 Claims. (Cl. 127-46)

7. In the purification of an impure sucrose solution by hydrogen exchange treatment and subsequently by anion exchange treatment, the improvement which comprises continuing the anion exchange treatment of the solution until the normal pH of the effluent from the anion exchange treatment is between 4.3 and 7.0, aerating the so treated solution to remove carbon dioxide, and subsequently adding an amount of sodium hydroxide to said aerated solution sufficient to increase the pH of the treated solution to about 8.5.

2,388,225

PROCESS FOR POLYMERIZING OLEFINIC MATERIALS

Richard E. Brooks, Wilmington, Merlin D. Peterson, Edgemoor Terrace, and Arthur G. Weber, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 15, 1941,

Serial No. 383,546

18 Claims. (Cl. 260-86)

1. In a process for polymerizing ethylene, the step which comprises carrying on the polymerization reaction in an aqueous menstruum, at a pH in the range of 7-11, in the presence of an alkali persulfate polymerization catalyst in the absence of a dispersing medium and a reagent capable of maintaining the pH between 7 and about 11.

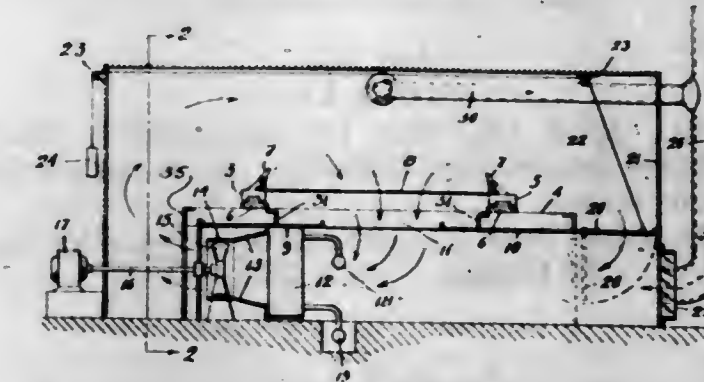
2,388,226

WEB DRIER

Milton E. Hanson, Haddonfield, N. J., assignor to B. F. Sturtevant Company, Boston, Mass.

Application May 15, 1943, Serial No. 487,163

10 Claims. (Cl. 34-158)



1. In a tenter frame, web drier having a housing containing spaced conveyors for carrying a web to be dried through the drier, rails for supporting the conveyors and a base for slidably supporting the rails, the combination of a pair of spaced, substantially horizontal baffles under said base, means forming an air seal between said rails and baffles, an air heater under one of said baffles, a fan under said one of said baffles, and means forming an air passage including said web, the space between said baffles, said heater and said fan in series, said fan recirculating air through said passage.

2,388,227

LUGGAGE LOCK

Frederic K. Heyer, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut

Application July 7, 1943, Serial No. 493,711

20 Claims. (Cl. 70-350)

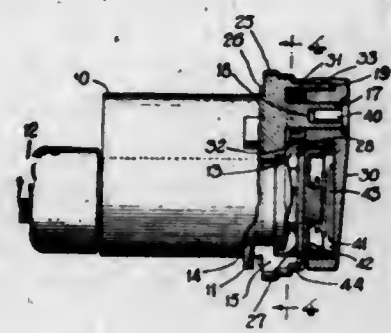


1. In a lock of the class described, a base member, a locking member rotatably mounted relatively to said base member, tumblers for effecting the locking of said locking member against rotation relatively to said base member, portions of said tumblers entering through bores of said locking member into a keyway extending longitudinally across said locking member at right angles to its axis of rotation on said base member, and springs pressing said tumblers against the side of the keyway opposite that side of the keyway through which the tumblers project into said keyway.

2,388,228

KEYHOLE COVER

Theodore H. Johnstone, Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application May 25, 1944, Serial No. 537,243
15 Claims. (Cl. 70-455)

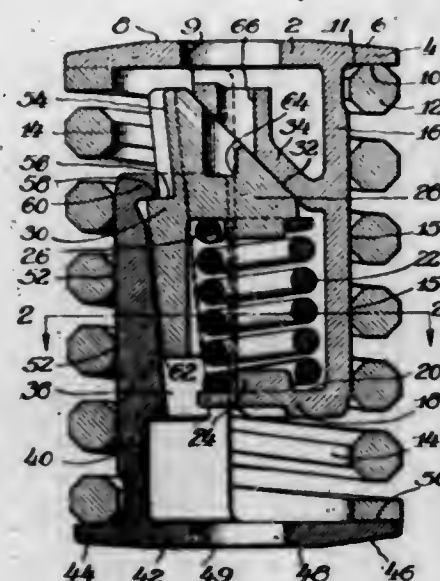


1. In a lock of the class described, a key hole shutter, means mounting said key hole shutter on said lock for movement relatively to the key hole of said lock, and cover means movable with said key hole shutter and relatively to said key hole shutter for covering the said key hole.

2,388,229

SNUBBER

David M. Light, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 27, 1942, Serial No. 452,423
22 Claims. (Cl. 267-9)



1. In a snubber, a main spring, top and bottom followers seated against opposite ends of said spring with semi-cylindrical stems extending therewithin for frictional engagement therewith, one of said stems having a diagonal web with a friction face and the other of said stems having a V-shaped friction surface, a wedge shoe engaging said face and said surface, and resilient means compressed between said shoe and one of said followers, said shoe and said diagonal web having vertically arranged alignable retaining pin openings.

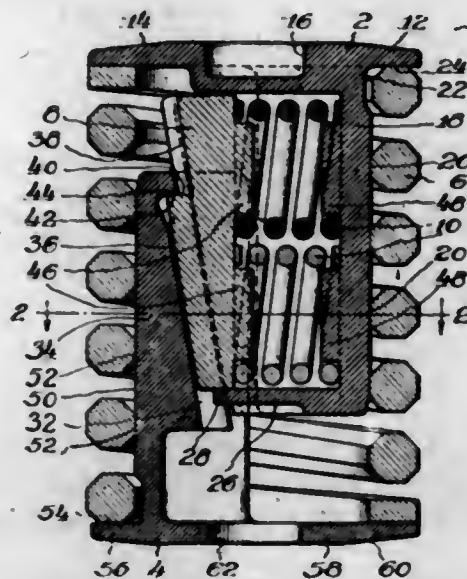
2,388,230

SNUBBER

David M. Light, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 27, 1942, Serial No. 452,424
31 Claims. (Cl. 267-9)

4. In a friction device, a compression spring having successive turns presenting aligned fric-

tion surfaces therealong, top and bottom followers having their bases seated against respective ends of said spring and presenting semi-cylindrical stems within said spring for frictional en-

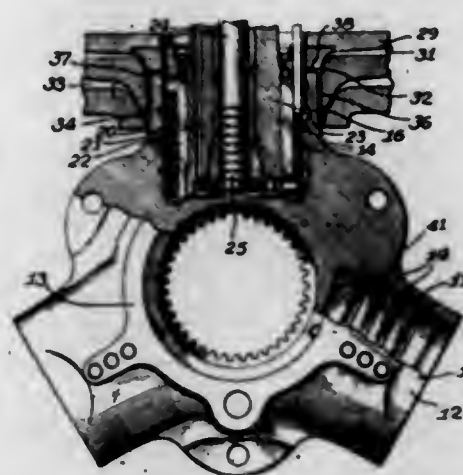


gagement along said aligned surfaces, an element having diagonal face frictional engagement with one of said stems, and resilient means compressed between and reacting against said element and the other of said stems.

2,388,231

HEAT-TREATMENT OF HARDENABLE METALLIC ARTICLES

Howard E. Somes, Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa., a corporation of Michigan
Application August 21, 1943, Serial No. 499,538
6 Claims. (Cl. 148-10)



3. The method of zone hardening an annular wall hardenable by heating and quenching and having regions of varying thickness, which consists in inducing annular heating currents in one wall surface to a substantially uniform depth less than the thickness of the region of least thickness, and simultaneously extracting heat at the opposite wall surface from the region of least thickness at a rate greater than from the region of greatest thickness, said rate of heat extraction being such that the longitudinal and circumferential increments of that boundary of the zone heated by said induced currents which lies intermediate said wall surfaces reach hardening temperatures substantially simultaneously, then upon the attainment of said hardening temperatures discontinuing said heat currents, and then while continuing the extraction of heat directing a quenching medium against said first mentioned wall surface.

2,388,232

STEMMING DEVICE FOR EXPLOSIVE CHARGES

Charles O. Tappan, Brooklyn, N. Y.; Edward J. S. Farrell, administrator of said Charles O. Tappan, deceased, assignor to Kirby H. Tappan, East Hartford, Conn.

Application May 8, 1941, Serial No. 392,468
8 Claims. (Cl. 102-30)

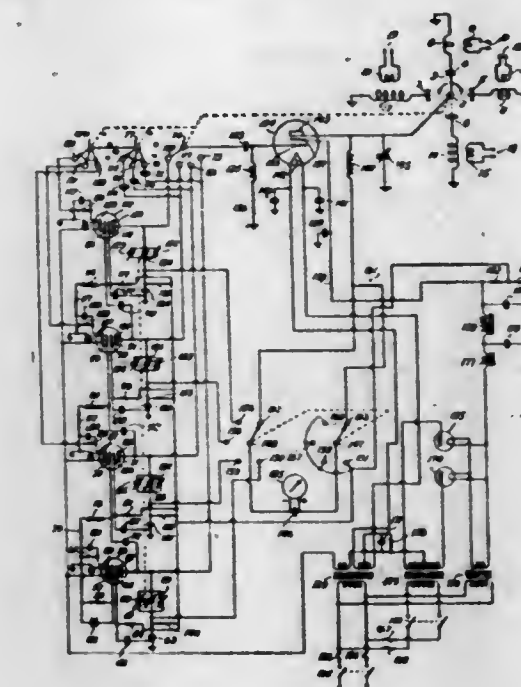


1. A blasting plug including a taper mandrel disposable coaxially of the explosive-charge-receiving hole and provided at its larger end with an inner flanged head; plug sections each having an inner tapered face slidable on the mandrel, the sections and mandrel together forming an approximately cylindrical plug; a resilient tube around the sections and said head; the sections being movable inwardly on the mandrel to compress the tube against the wall of the hole leaving a chamber between the sections and said head; the inner end lip of the tube lying against the peripheral face of the head; a resilient washer disposed around the inner end of the mandrel and closing the spaces between the sections; said head being provided with an aperture between the chamber and the face of said head at the charge; pressure of the explosive gases pressing said lip onto the head to confine and force the gases against the head to force outwardly the mandrel to further expand the sections; said washer and lip serving as a check valve to prevent outward passage of gas during the explosion, and serving to admit the inward passage of flame through said spaces and aperture and around the head, when a secondary charge is exploded at the outer end of the plug, to explode an inner charge that has misfired.

2,388,233

RADIO-FREQUENCY TRANSMITTER

James N. Whitaker, West Englewood, N. J., assignor to The Hammarlund Manufacturing Company, Incorporated, New York, N. Y., a corporation of New York
Application February 26, 1944, Serial No. 524,038
7 Claims. (Cl. 250-17)



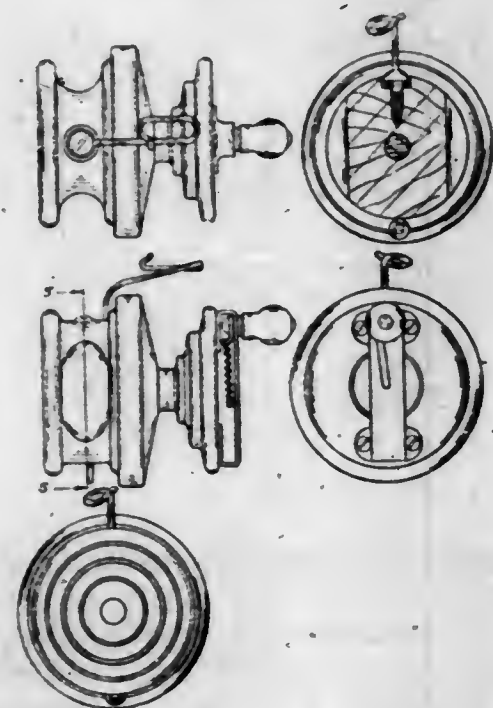
1. In a radio transmitting system, a device for simultaneously resonating a plurality of circuits operating at harmonically related frequencies by a single dial control, including a plurality of mechanically coupled variable capacitors having substantially equal values of capacity throughout the range of variation thereof and means for connecting each capacitor across a predetermined one of the respective inductors of said circuits, whereby change of capacity of said circuits will still maintain the harmonic relation therebetween.

DESIGNS

OCTOBER 30, 1945

142,686

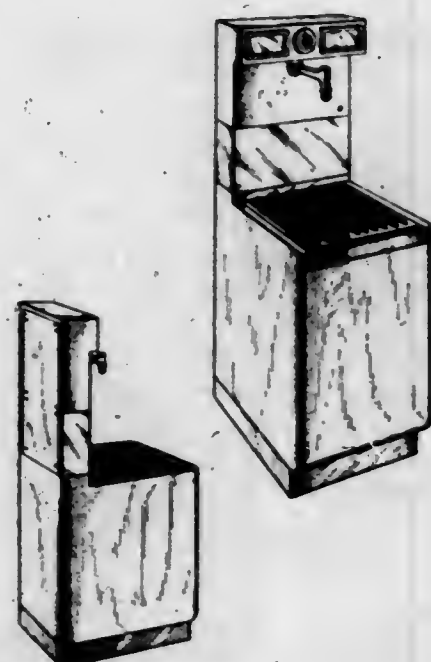
DESIGN FOR A FISHING REEL
Raney R. Allen, Dayton, Ohio
Application May 16, 1945, Serial No. 119,562
Term of patent 3½ years
(Cl. D31—4)



The ornamental design for a fishing reel, as shown.

142,687

DESIGN FOR AN OIL BAR
Francis Lawrence Ayres, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application July 2, 1945, Serial No. 120,466
Term of patent 14 years
(Cl. D52—2)

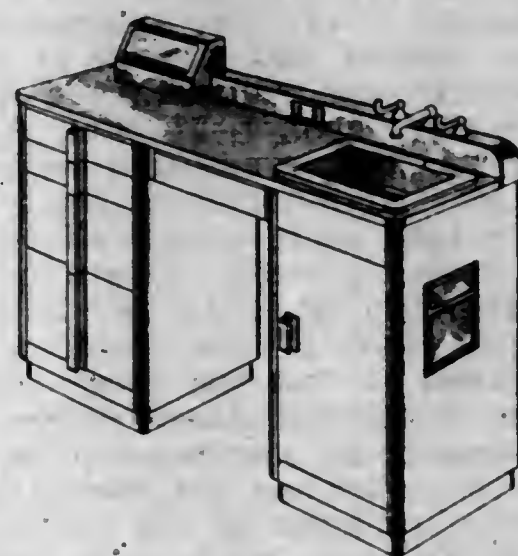


The ornamental design for an oil bar, as shown.

864

142,688

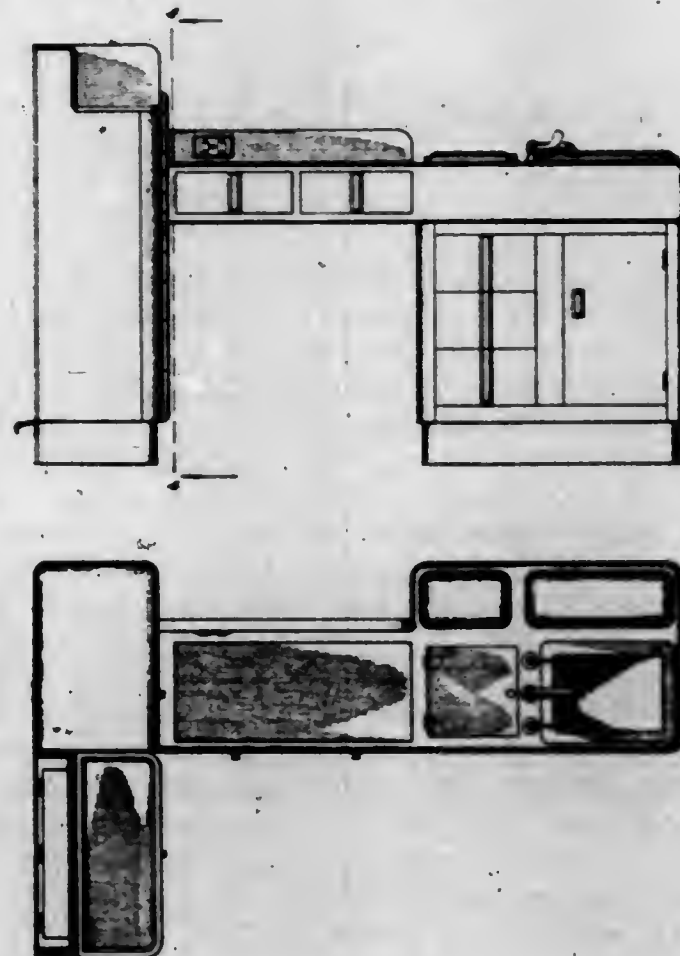
DESIGN FOR A COMBINED DENTAL LABORATORY BENCH AND CABINET
Edwin D. Beebe, Rochester, N. Y., assignor to Ritter Company, Inc., Rochester, N. Y., a corporation of Delaware
Application May 5, 1945, Serial No. 119,409
Term of patent 14 years
(Cl. D16—2)



The ornamental design for a combined dental laboratory bench and cabinet, substantially as shown and described.

142,689

DESIGN FOR A COMBINED DENTAL LABORATORY BENCH AND CABINET
Edwin D. Beebe, Rochester, N. Y., assignor to Ritter Company, Inc., Rochester, N. Y., a corporation of Delaware
Application May 5, 1945, Serial No. 119,410
Term of patent 14 years
(Cl. D16—2)

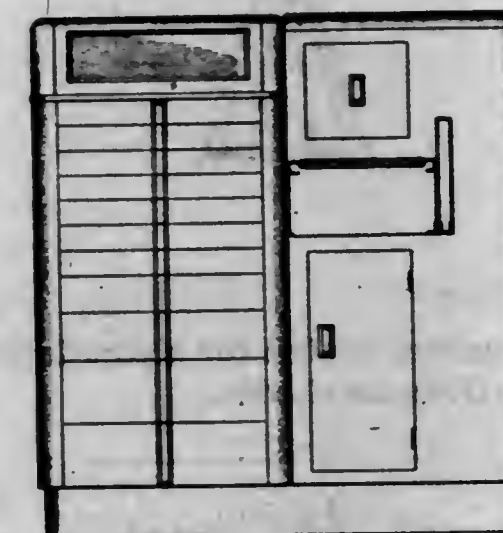
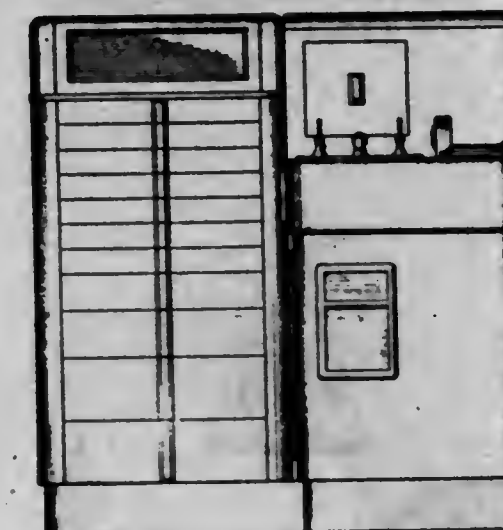


OCTOBER 30, 1945

U. S. PATENT OFFICE

865

142,689—Continued



The ornamental design for a combined dental laboratory bench and cabinet, substantially as shown.

142,690

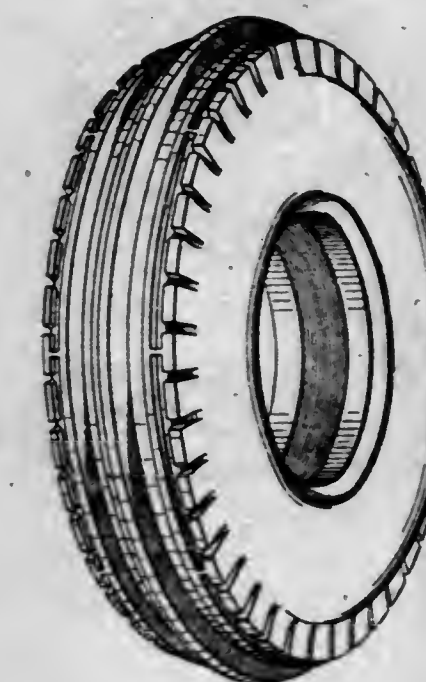
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
Frederick Bieberbach, New York, N. Y., assignor to Nordic Silver Co., Inc., New York, N. Y.
Application June 18, 1945, Serial No. 120,182
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch pin or similar article, substantially as shown and described.

142,691

DESIGN FOR A TIRE
William F. Billingsley, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application June 14, 1945, Serial No. 120,096
Term of patent 14 years
(Cl. D90—20)



The ornamental design for a tire, as shown.

142,692

DESIGN FOR AN ASH TRAY
Boris Blecher, Philadelphia, Pa.
Application June 30, 1945, Serial No. 120,421
Term of patent 14 years
(Cl. D85—2)

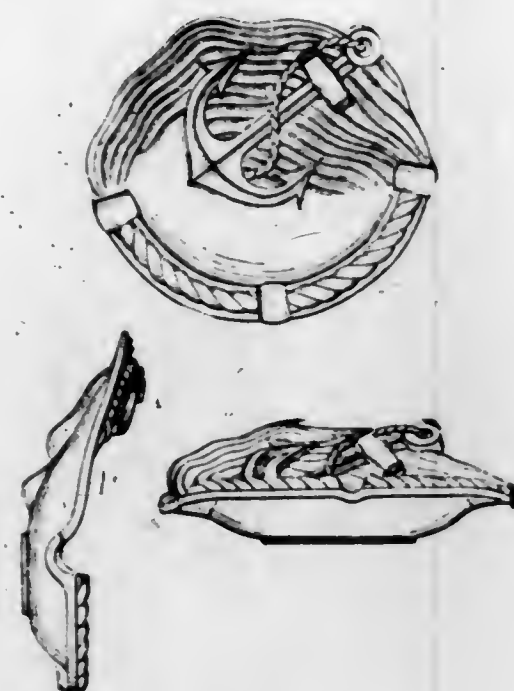


The ornamental design for an ash tray, as shown.

142,693

DESIGN FOR AN ASH TRAY

Boris Blecher, Philadelphia, Pa.
Application June 30, 1945, Serial No. 120,422
Term of patent 14 years
(Cl. D85-2)

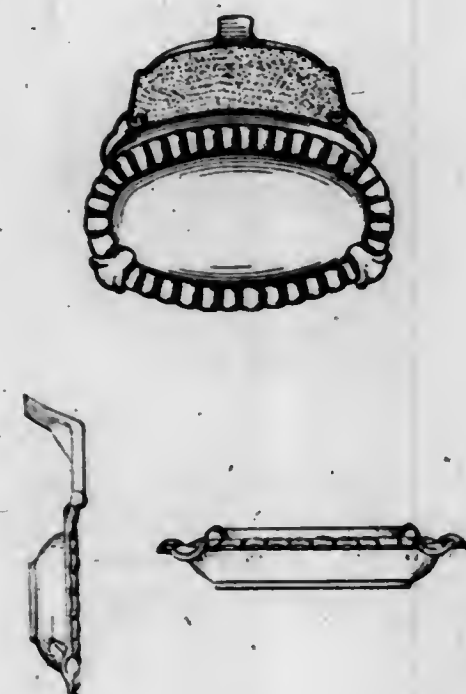


The ornamental design for an ash tray, as shown.

142,694

DESIGN FOR AN ASH TRAY

Boris Blecher, Philadelphia, Pa.
Application June 30, 1945, Serial No. 120,423
Term of patent 14 years
(Cl. D85-2)

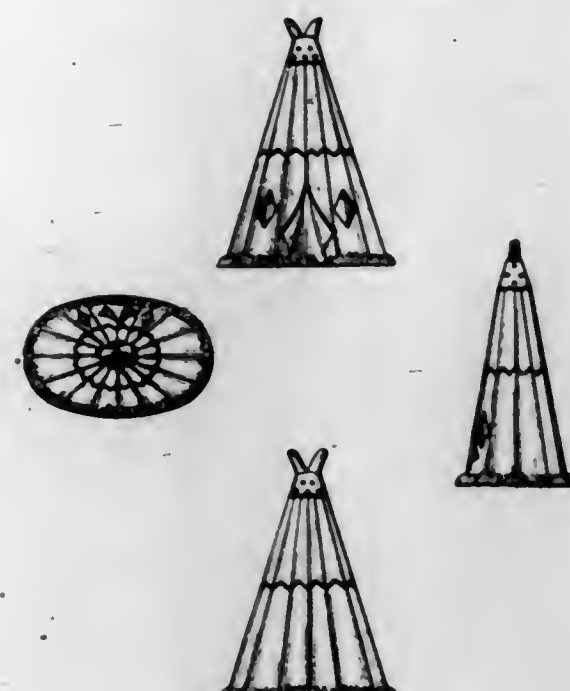


The ornamental design for an ash tray, as shown.

142,695

DESIGN FOR A CONDIMENT SHAKER OR SIMILAR ARTICLE

Boris Blecher, Philadelphia, Pa.
Application June 30, 1945, Serial No. 120,424
Term of patent 14 years
(Cl. D44-22)



The ornamental design for a condiment shaker or similar article, as shown.

142,696

DESIGN FOR A CONDIMENT SHAKER OR SIMILAR ARTICLE

Boris Blecher, Philadelphia, Pa.
Application June 30, 1945, Serial No. 120,425
Term of patent 14 years
(Cl. D44-22)

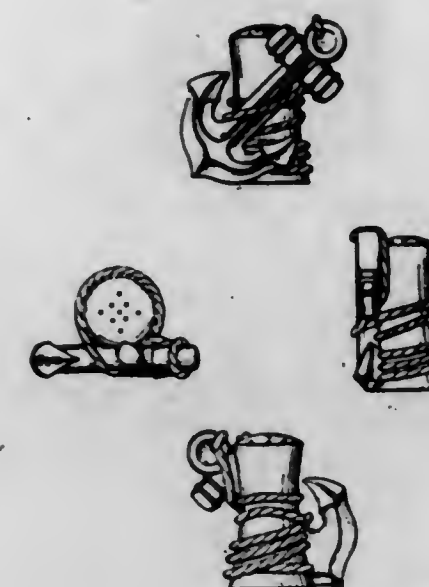


The ornamental design for a condiment shaker or similar article, as shown.

142,697

DESIGN FOR A CONDIMENT SHAKER OR SIMILAR ARTICLE

Boris Blecher, Philadelphia, Pa.
Application June 30, 1945, Serial No. 120,427
Term of patent 14 years
(Cl. D44-22)

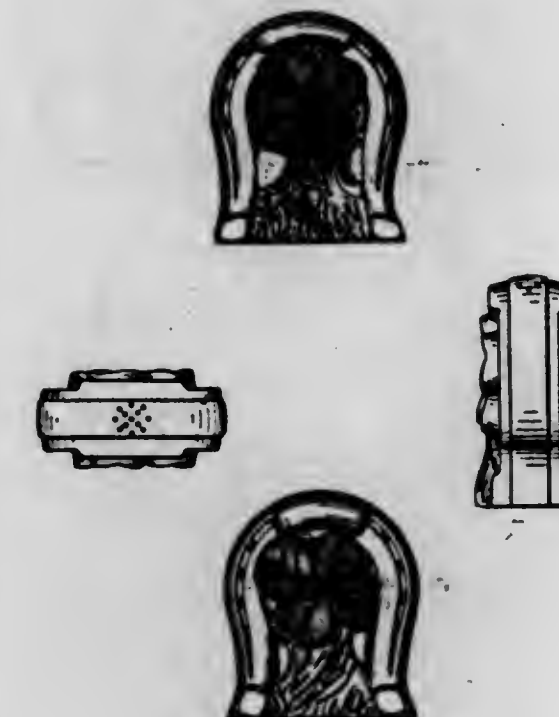


The ornamental design for a condiment shaker or similar article, as shown.

142,698

DESIGN FOR A CONDIMENT SHAKER OR SIMILAR ARTICLE

Boris Blecher, Philadelphia, Pa.
Application June 30, 1945, Serial No. 120,428
Term of patent 14 years
(Cl. D44-22)

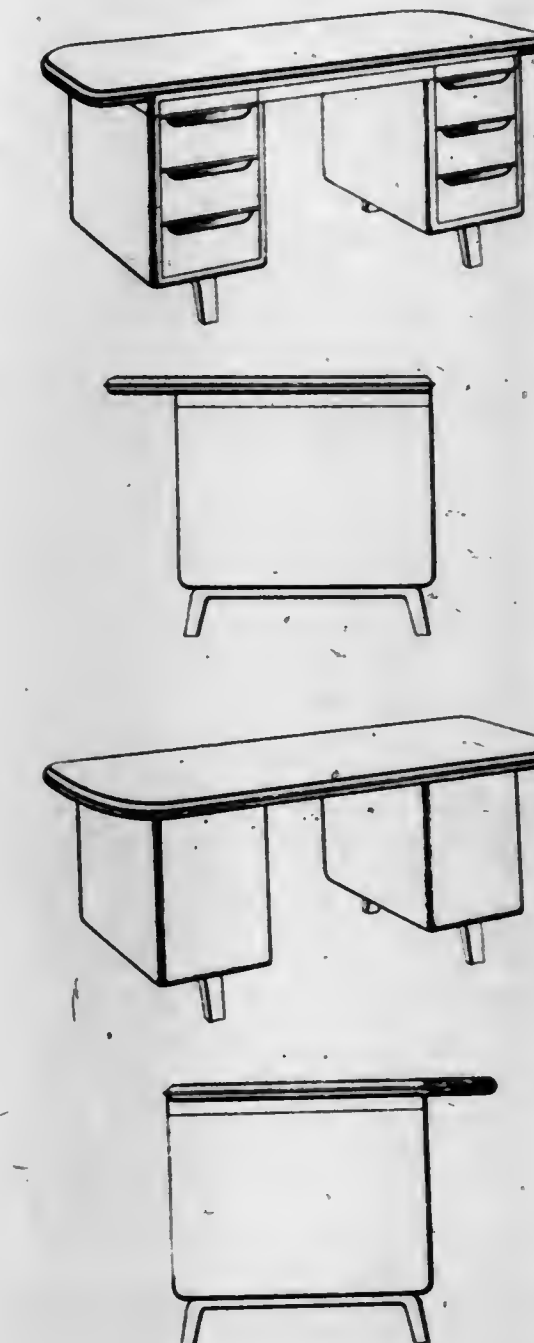


The ornamental design for a condiment shaker or similar article, as shown.

142,699

DESIGN FOR A DESK

George C. Brainard, Youngstown, Ohio, and Raymond Loewy, New York, N. Y., assignors to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio
Application June 22, 1945, Serial No. 120,259
Term of patent 14 years
(Cl. D33-7)

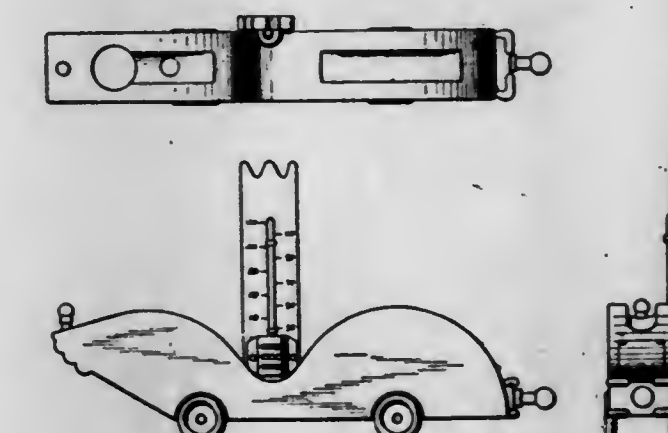


The ornamental design for a desk, as shown.

142,700

DESIGN FOR A COMBINATION DESK UNIT

Gio Calabrese, Brooklyn, N. Y.
Application July 2, 1945, Serial No. 120,454
Term of patent 14 years
(Cl. D74-1)

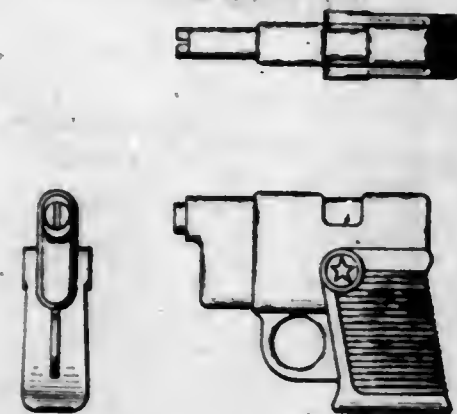


The ornamental design for a combination desk unit, as shown.

142,701

DESIGN FOR A LIGHTER

William J. Campbell, Indianapolis, Ind., assignor to Specialty Equipment Corporation, Indianapolis, Ind., a corporation of Indiana
Application July 2, 1945, Serial No. 120,464
Term of patent 14 years
(Cl. D48-27)

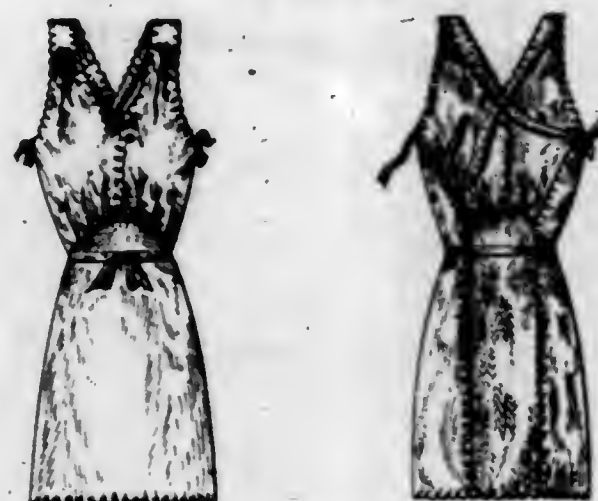


The ornamental design for a lighter, as shown.

142,702

DESIGN FOR A HOSPITAL GARMENT

Fannie Cohen, Tulsa, Okla.
Application March 22, 1945, Serial No. 118,624
Term of patent 14 years
(Cl. D3-26)

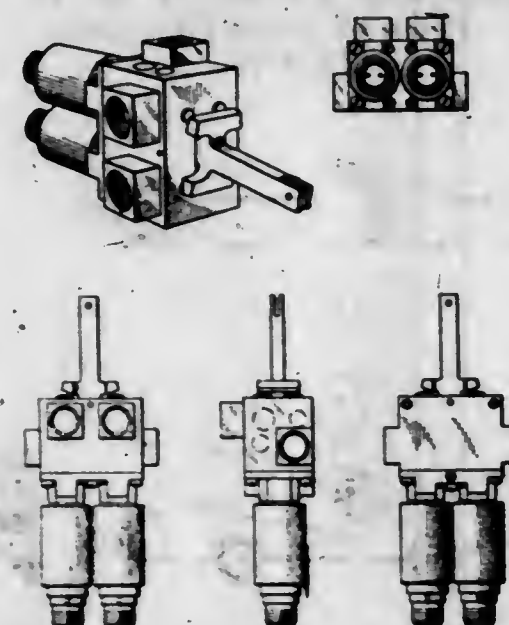


The ornamental design for a hospital garment, as shown.

142,703

DESIGN FOR A VALVE

Edward J. Collins, West Los Angeles, Calif., assignor to Raymond T. Moloney, Chicago, Ill.
Application July 19, 1945, Serial No. 120,804
Term of patent 14 years
(Cl. D78-1)



The ornamental design for a valve, as shown and described.

142,704

DESIGN FOR A PIN OR SIMILAR ARTICLE

Blanche Colp, New York, N. Y., assignor to Brosnan Jewelry Company, Inc., New York, N. Y., a corporation of New York
Application June 28, 1945, Serial No. 120,378
Term of patent 7 years
(Cl. D45-19)

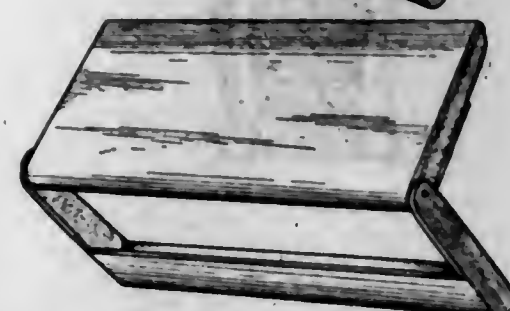
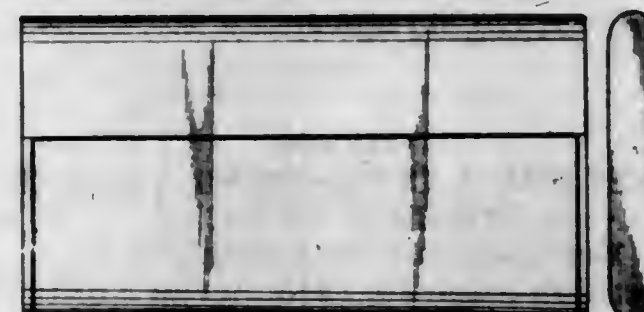


The ornamental design for a pin or similar article, substantially as shown.

142,705

DESIGN FOR A CIGARETTE CASE OR SIMILAR ARTICLE

Sigmund Dawer, New York, N. Y.
Application June 14, 1945, Serial No. 120,106
Term of patent 14 years
(Cl. D85-2)

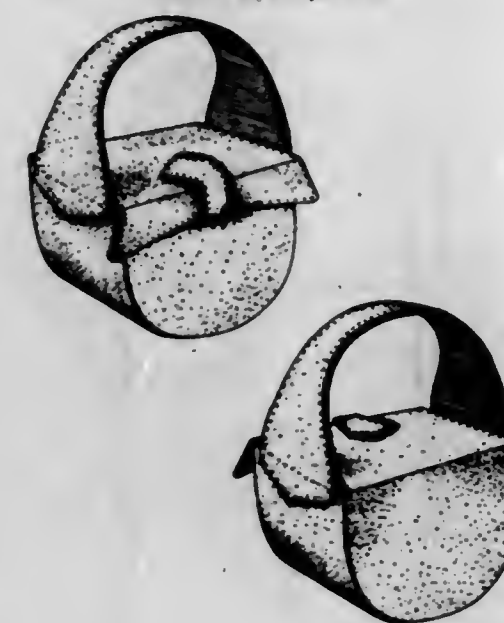


The ornamental design for a cigarette case or similar article, substantially as shown.

142,706

DESIGN FOR A HANDBAG

Marie M. Deutz, New York, N. Y.
Application June 14, 1945, Serial No. 120,058
Term of patent 7 years
(Cl. D87-3)

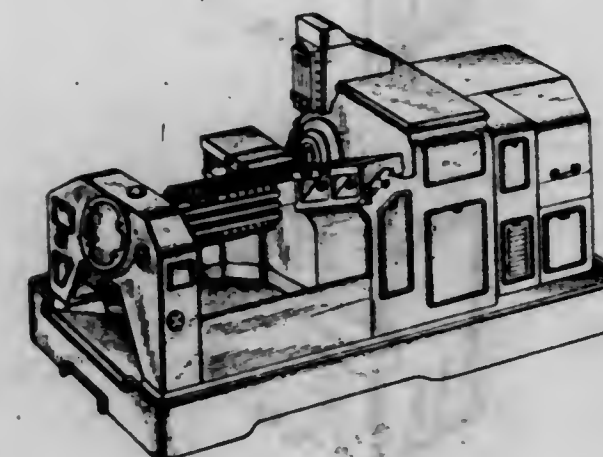
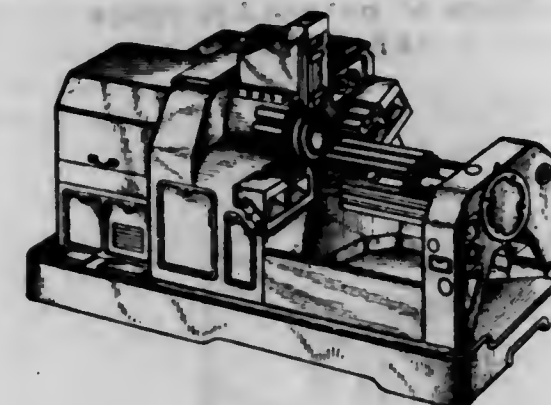


The ornamental design for a handbag, substantially as shown.

142,707

DESIGN FOR A SINGLE SPINDLE AUTOMATIC METAL WORKING MACHINE

Alfred E. Drissner, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application October 6, 1944, Serial No. 115,659
Term of patent 14 years
(Cl. D54-6)



The ornamental design for a single spindle automatic metal working machine, substantially as shown and described.

142,708

DESIGN FOR A CHILD'S SWING SEAT

Irvin C. Ebding, Cincinnati, Ohio
Application June 11, 1945, Serial No. 120,028
Term of patent 7 years
(Cl. D34-5)

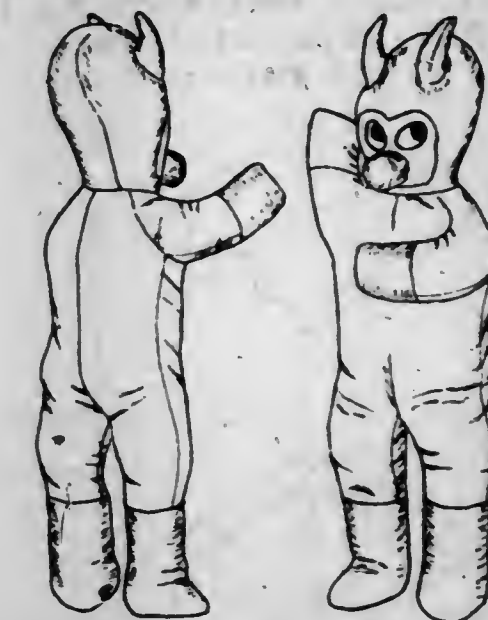


The ornamental design for a child's swing seat, as shown.

142,709

DESIGN FOR A DOLL

Milwarde Clayton Earl Eby, Montreal, Quebec, Canada
Application January 13, 1945, Serial No. 117,424
Term of patent 14 years
(Cl. D34-4)

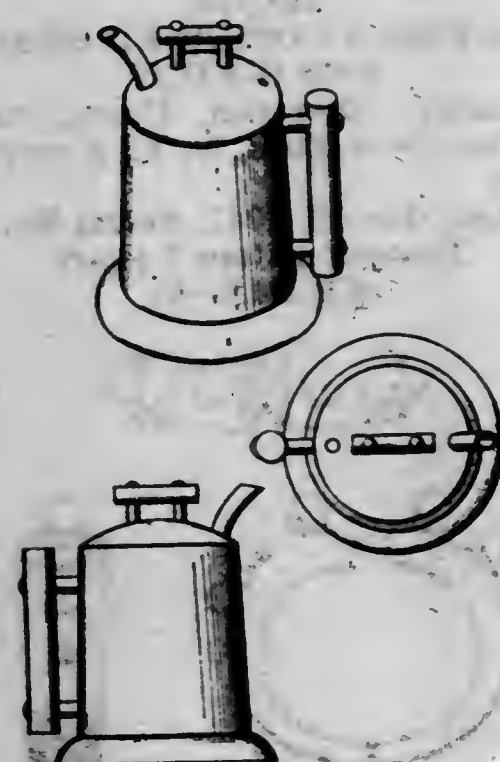


The ornamental design for a doll, as shown.

142,710

DESIGN FOR A MILK CAN COVER OR SIMILAR ARTICLE

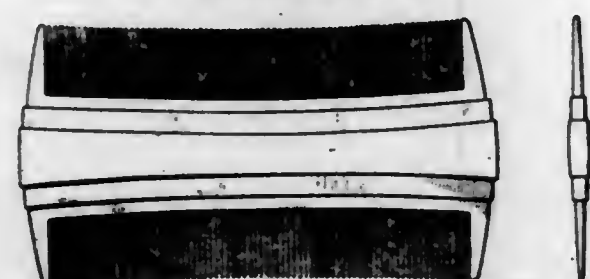
Victor W. Ferris, Venice, Calif.
Application January 29, 1945, Serial No. 117,669
Term of patent 14 years
(Cl. D44-1)



The ornamental design for a milk can cover or similar article, substantially as shown.

142,711

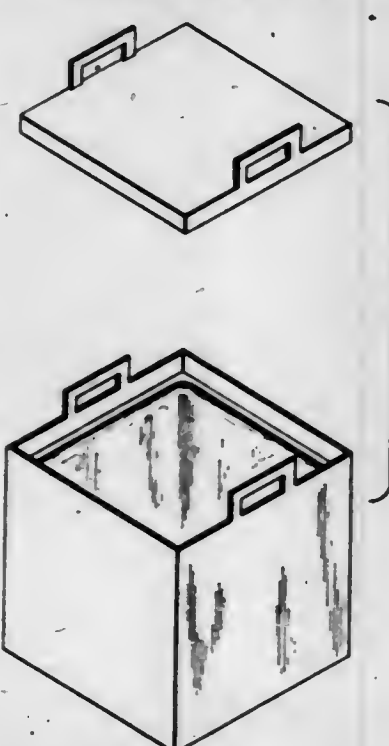
DESIGN FOR A COMB OR THE LIKE
Joseph C. Foster, Leominster, Mass., assignor to Fosgood Corporation, Leominster, Mass., a corporation of Massachusetts
Application June 9, 1945, Serial No. 119,992
Term of patent 7 years
(Cl. D86—8)



The ornamental design for a comb or the like, substantially as shown.

142,712

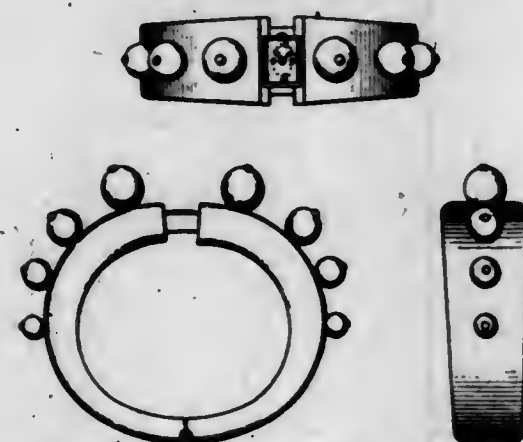
DESIGN FOR A KETTLE
Llewellyn Gilchrist, San Francisco, Calif.
Application July 7, 1944, Serial No. 114,333
Term of patent 14 years
(Cl. D44—1)



The ornamental design for a kettle, substantially as shown.

142,713

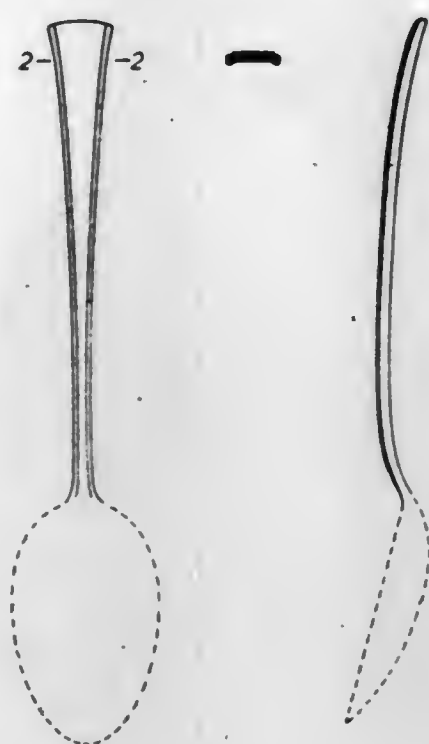
DESIGN FOR A COMBINED BRACELET AND WATCH
Harold Graeter, Sherman, Conn., assignor to Cartier, Inc., New York, N. Y., a corporation of New York
Application May 19, 1945, Serial No. 119,634
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a combined bracelet and watch, as shown.

142,714

DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Lillian V. M. Helander, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application December 29, 1944, Serial No. 117,141
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a spoon or other article of flatware, substantially as shown and described.

142,715

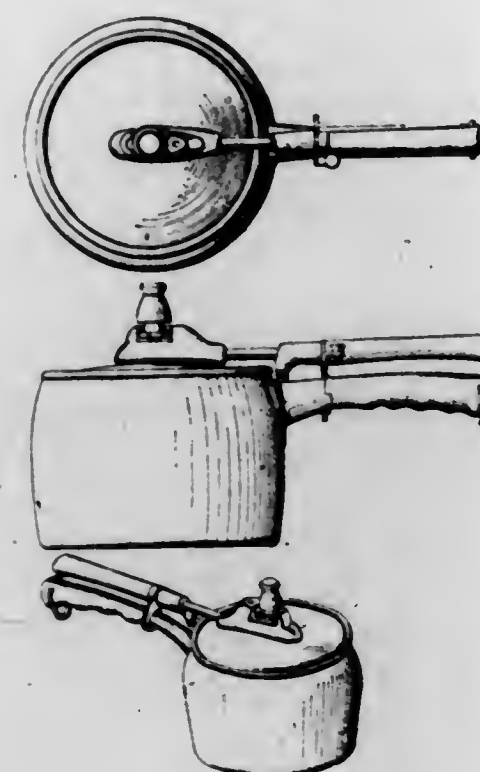
DESIGN FOR A REFRIGERATOR CABINET
Ernest Keller, Trenton, N. J.
Application March 26, 1945, Serial No. 118,695
Term of patent 3½ years
(Cl. D67—3)



The ornamental design for a refrigerator cabinet, as shown and described.

142,716

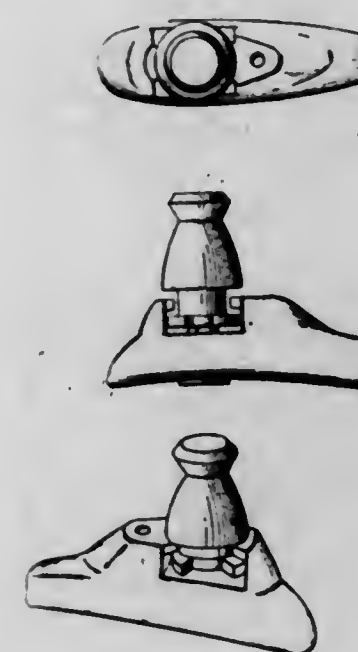
DESIGN FOR A PRESSURE COOKER
Nicholas W. Keller, New Kensington, Pa., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa., a corporation of Pennsylvania
Application January 8, 1945, Serial No. 117,328
Term of patent 14 years
(Cl. D44—1)



The ornamental design for a pressure cooker, as shown.

142,717

DESIGN FOR A RELIEF VALVE FOR PRESSURE COOKERS OR THE LIKE
Nicholas W. Keller, New Kensington, Pa., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa., a corporation of Pennsylvania
Application January 8, 1945, Serial No. 117,329
Term of patent 14 years
(Cl. D78—1)



The ornamental design for a relief valve for pressure cookers or the like, as shown.

142,718

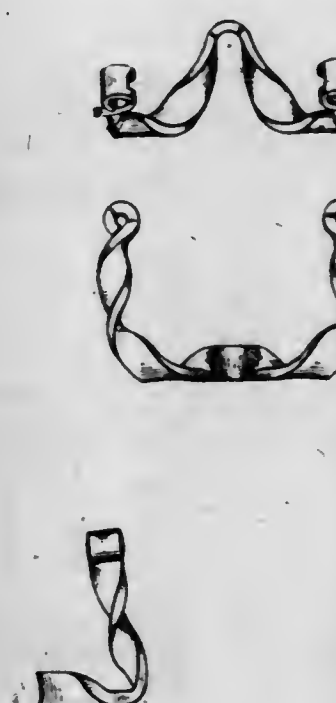
DESIGN FOR A COMBINED IDENTIFICATION TAG AND MONEY CLIP
Hyman Samuel Kirsch, Woodmere, N. Y.
Application May 11, 1945, Serial No. 119,488
Term of patent 7 years
(Cl. D74—2)



The ornamental design for a combined identification tag and money clip, substantially as shown.

142,719

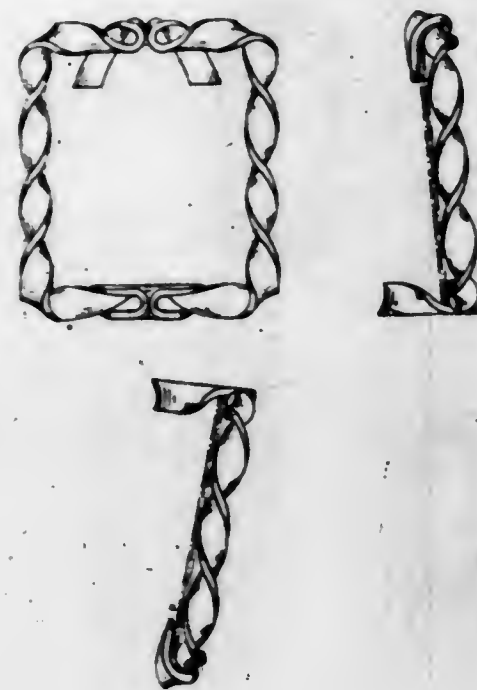
DESIGN FOR A PICTURE FRAME OR THE LIKE
Edmund D. Kissling, New York, N. Y.
Application June 5, 1945, Serial No. 119,909
Term of patent 7 years
(Cl. D29—20)



The ornamental design for a picture frame or the like, as shown.

142,720

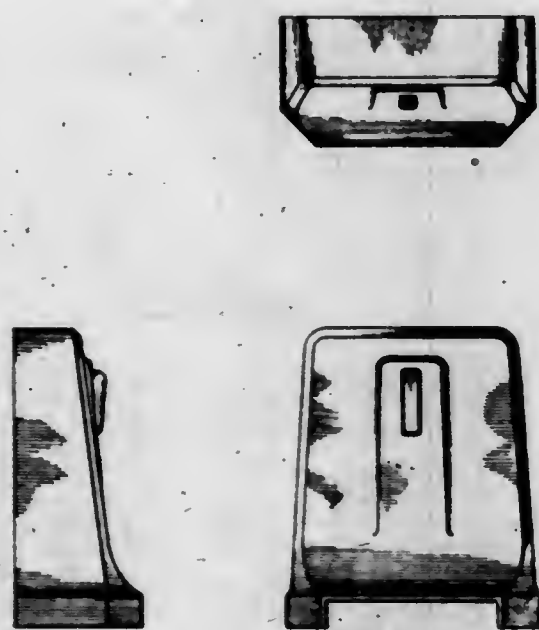
DESIGN FOR A REVERSIBLE PICTURE FRAME OR THE LIKE
 Edmund D. Kissling, New York, N. Y.
 Application July 4, 1945, Serial No. 120,524
 Term of patent 7 years
 (Cl. D29—20)



The ornamental design for a reversible picture frame or the like, as shown and described.

142,721

DESIGN FOR A FLUSH VALVE HOUSING
 George S. Lawson, St. Clair Shores, Mich., assignor to Sloan Valve Company, Chicago, Ill., a corporation of Illinois
 Application March 23, 1945, Serial No. 118,661
 Term of patent 14 years
 (Cl. D4—5)



The ornamental design for a flush valve housing, substantially as shown.

142,722

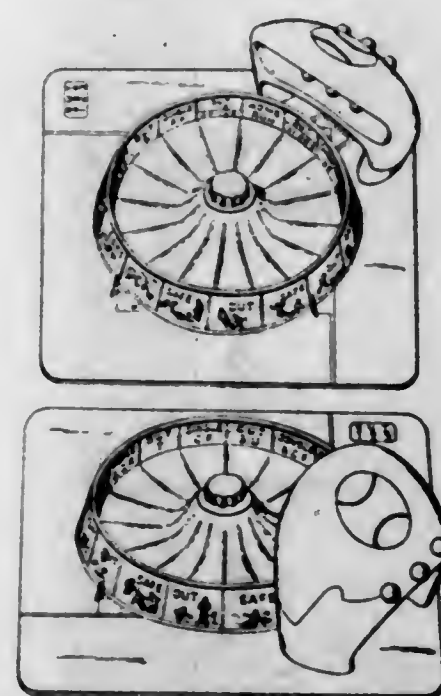
DESIGN FOR AN ASH TRAY
 Earl J. Lytle, Los Angeles, Calif., assignor of one-half to Charles J. McGraw, Los Angeles, Calif.
 Application June 30, 1945, Serial No. 120,451
 Term of patent 7 years
 (Cl. D85—2)



The ornamental design for an ash tray, substantially as shown.

142,723

DESIGN FOR A BASEBALL GAME DEVICE
 Maximilian C. Meyer, Brooklyn, N. Y.
 Application December 13, 1944, Serial No. 116,884
 Term of patent 14 years
 (Cl. D34—5)



The ornamental design for a baseball game device, substantially as shown.

142,724

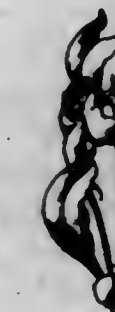
DESIGN FOR A PIN
 Christopher L. Migliaccio, Providence, R. I.
 Application April 9, 1945, Serial No. 118,921
 Term of patent 3½ years
 (Cl. D45—19)



The ornamental design for a pin, as shown.

142,725

DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE
 Frank Morrow, Scituate, R. I.
 Application May 12, 1945, Serial No. 119,512
 Term of patent 3½ years
 (Cl. D45—19)



The ornamental design for a jewelry pin or similar article, substantially as shown.

142,726

DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE
 Frank Morrow, Johnston, R. I.
 Application June 23, 1945, Serial No. 120,278
 Term of patent 3½ years
 (Cl. D45—19)



The ornamental design for a jewelry pin or similar article, substantially as shown.

142,727

DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE
 Frank Morrow, Johnston, R. I.
 Application June 23, 1945, Serial No. 120,279
 Term of patent 3½ years
 (Cl. D45—19)



The ornamental design for a jewelry pin or similar article, substantially as shown.

142,728

DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE
 Frank Morrow, Johnston, R. I.
 Application June 23, 1945, Serial No. 120,280
 Term of patent 3½ years
 (Cl. D45—19)



The ornamental design for a jewelry pin or similar article, substantially as shown.

142,729

DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE
 Frank Morrow, Johnston, R. I.
 Application June 23, 1945, Serial No. 120,281
 Term of patent 3½ years
 (Cl. D45—19)



The ornamental design for a jewelry pin or similar article, substantially as shown.

142,730

DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE

Frank Morrow, Johnston, R. I.
Application June 23, 1945, Serial No. 120,282
Term of patent $3\frac{1}{2}$ years
(Cl. D45—19)



The ornamental design for a jewelry pin or similar article, substantially as shown.

142,731

DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE

Frank Morrow, Johnston, R. I.
Application June 23, 1945, Serial No. 120,283
Term of patent $3\frac{1}{2}$ years
(Cl. D45—19)

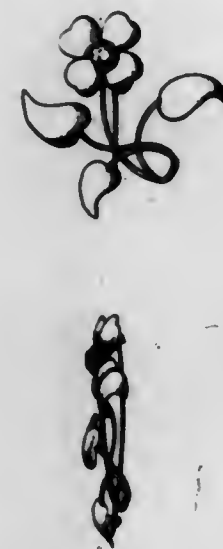


The ornamental design for a jewelry pin or similar article, substantially as shown.

142,732

DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE

Frank Morrow, Johnston, R. I.
Application June 23, 1945, Serial No. 120,284
Term of patent $3\frac{1}{2}$ years
(Cl. D45—19)

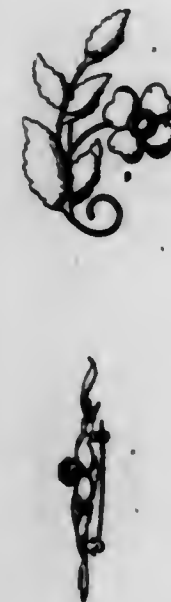


The ornamental design for a jewelry pin or similar article, substantially as shown.

142,733

DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE

Frank Morrow, Johnston, R. I.
Application June 23, 1945, Serial No. 120,285
Term of patent $3\frac{1}{2}$ years
(Cl. D45—19)



The ornamental design for a jewelry pin or similar article, substantially as shown.

142,734

DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE

Frank Morrow, Johnston, R. I.
Application June 28, 1945, Serial No. 120,374
Term of patent $3\frac{1}{2}$ years
(Cl. D45—19)



The ornamental design for a jewelry pin or similar article, substantially as shown.

142,735

DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE

Frank Morrow, Johnston, R. I.
Application June 28, 1945, Serial No. 120,375
Term of patent $3\frac{1}{2}$ years
(Cl. D45—19)



The ornamental design for a jewelry pin or similar article, substantially as shown.

579 O. G.—57

142,736

DESIGN FOR AN EARRING

Frank Morrow, Johnston, R. I.
Application June 28, 1945, Serial No. 120,373
Term of patent $3\frac{1}{2}$ years
(Cl. D45—19)

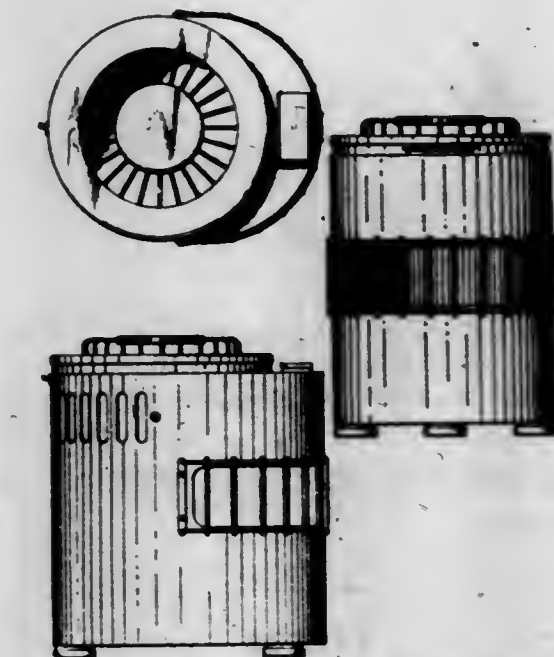


The ornamental design for an earring, substantially as shown.

142,737

DESIGN FOR A HUMIDIFIER

William A. Norris, Alhambra, Calif.
Application June 6, 1945, Serial No. 119,925
Term of patent 14 years
(Cl. D62—4)

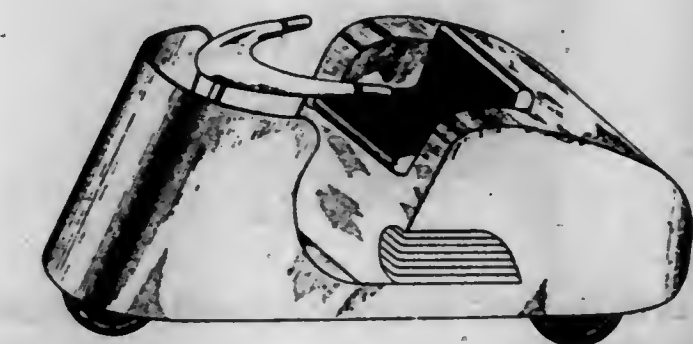


The ornamental design for a humidifier, as shown.

142,738

DESIGN FOR A MOTOR VEHICLE

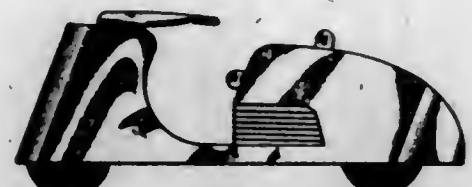
John C. Parkin, Snyder, and Stephen A. Bucholtz, Buffalo, N. Y., assignors of one-third to William K. Breckenridge, Buffalo, N. Y.
Application March 9, 1945, Serial No. 118,380
Term of patent 7 years
(Cl. D14—3)



142,738—Continued



The ornamental design for a motor vehicle, as shown.



142,739
DESIGN FOR WELTING
 William E. Phinney, Milton, N. H.
 Application June 29, 1945, Serial No. 120,388
 Term of patent 14 years
 (Cl. D7—6)



The ornamental design for welting, substantially as shown.

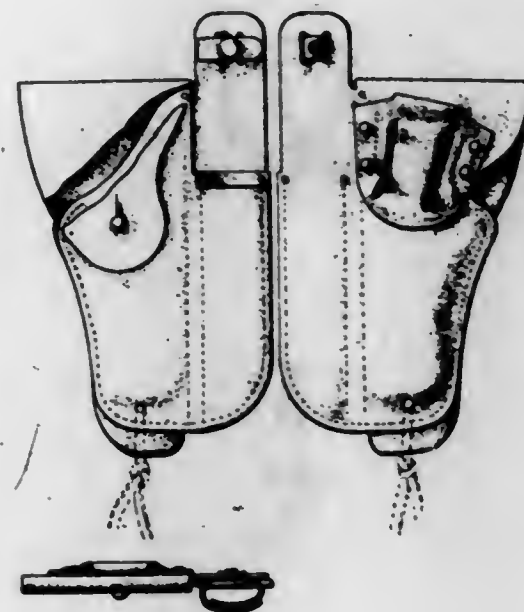


142,740
DESIGN FOR WELTING
 William E. Phinney, Milton, N. H.
 Application July 9, 1945, Serial No. 120,584
 Term of patent 14 years
 (Cl. D7—6)



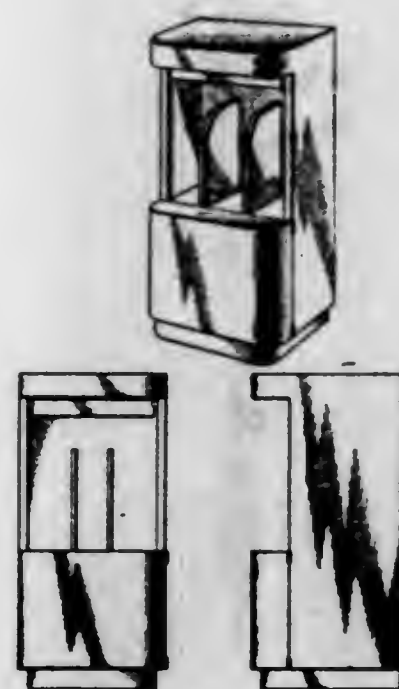
The ornamental design for welting, substantially as shown.

142,741
DESIGN FOR A COMBINED PISTOL HOLSTER AND KNIFE SCABBARD
 Merritt C. Pratt, United States Army,
 Chicago, Ill.
 Application April 27, 1945, Serial No. 119,272
 Term of patent 14 years
 (Cl. D22—6)



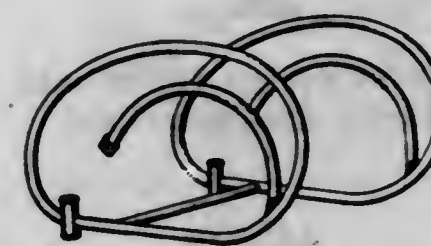
The ornamental design for a combined pistol holster and knife scabbard, as shown and described.

142,742
DESIGN FOR A TELEPHONE STAND
 Jean O. Reinecke, Chicago, Ill., assignor to James F. Barnes, as trustee
 Application March 3, 1945, Serial No. 118,241
 Term of patent 14 years
 (Cl. D33—19)



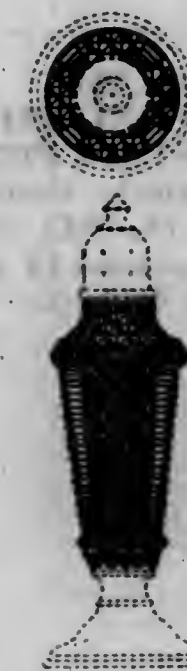
The ornamental design for a telephone stand, as shown.

142,743
DESIGN FOR A FRAME FOR AN INVALID WHEEL CHAIR
 John Gordon Rideout, Chagrin Falls, Ohio, assignor to Gendron Wheel Company, Perrysburg, Ohio, a corporation of Ohio
 Application July 12, 1945, Serial No. 120,675
 Term of patent 7 years
 (Cl. D15—1)



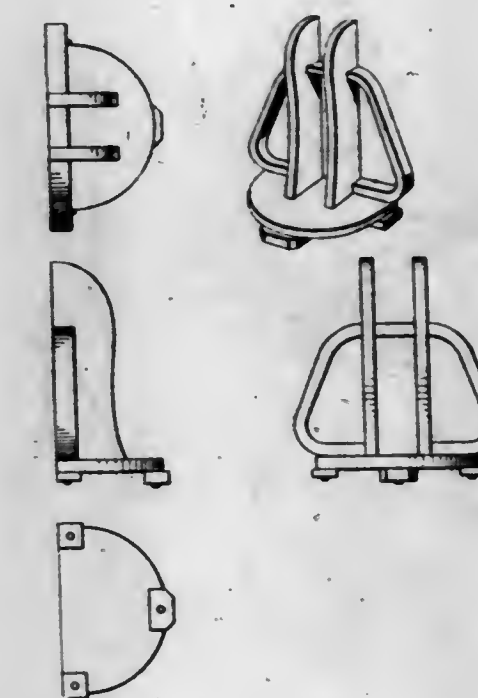
The ornamental design for a frame for an invalid wheel chair, as shown.

142,744
DESIGN FOR A SALT SHAKER OR THE LIKE
 Rubin Shatkin, Brooklyn, N. Y., assignor to Aaron Shatkin, Matawan, N. J.
 Application June 23, 1945, Serial No. 120,298
 Term of patent 14 years
 (Cl. D44—22)



The ornamental design for a salt shaker or the like, substantially as shown and described.

142,745
DESIGN FOR A BOOK END
 Donald J. Smith, Los Angeles, Calif.
 Application June 23, 1945, Serial No. 120,311
 Term of patent 3½ years
 (Cl. D33—1)



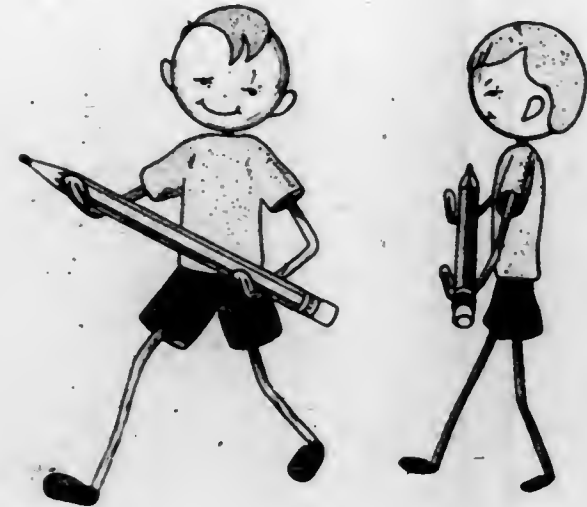
The ornamental design for a book end, substantially as shown.

142,746
DESIGN FOR A BEVERAGE BOTTLE
 Elmer R. Stackpole, Sapulpa, Okla., assignor to Liberty Glass Company, Sapulpa, Okla.
 Application November 10, 1944, Serial No. 116,261
 Term of patent 14 years
 (Cl. D58—6)



The ornamental design for a beverage bottle, as shown.

142,747

DESIGN FOR A DOLL OR SIMILAR ARTICLE
Mary M. Stevens, Rye, N. Y., and Ethel M. Rice,
Lynn, Mass.Application August 19, 1944, Serial No. 114,943
Term of patent 14 years
(Cl. D34-4)

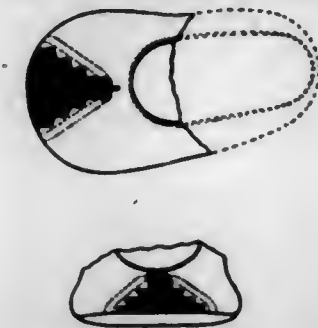
The ornamental design for a doll or similar article, substantially as shown.

142,748

DESIGN FOR A DOLL OR SIMILAR ARTICLE
Mary M. Stevens, Rye, N. Y., and Ethel M. Rice,
Lynn, Mass.Original design application August 19, 1944, Serial No. 114,943. Divided and this application December 13, 1944, Serial No. 116,883
Term of patent 14 years
(Cl. D34-4)

The ornamental design for a doll or similar article, substantially as shown.

142,749

DESIGN FOR A BABY SHOE
Myrtle E. Tiemeyer and Edith E. Bates,
St. Louis, Mo.Application March 17, 1945, Serial No. 118,531
Term of patent 3½ years
(Cl. D7-7)

The ornamental design for a baby shoe, substantially as shown and described.

142,750

DESIGN FOR A DISPLAY CASE
Henry K. Tournau, New York, N. Y.
Application December 8, 1944, Serial No. 116,797
Term of patent 14 years
(Cl. D80-5)

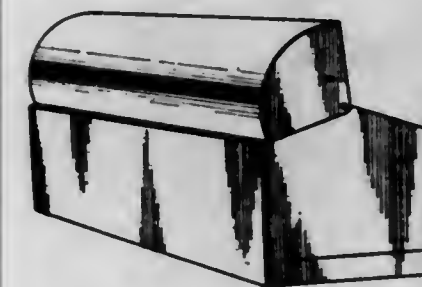
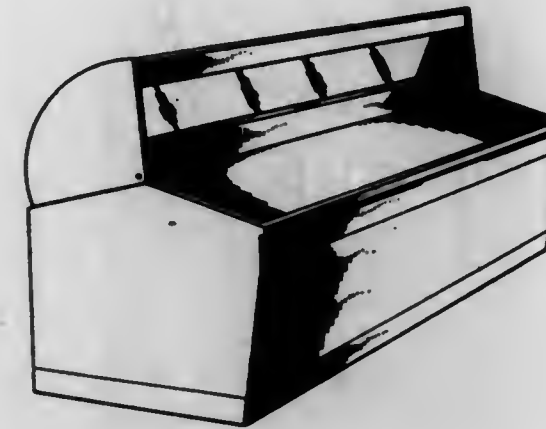
The ornamental design for a display case, as shown.

142,751

DESIGN FOR A WRITING TIP SECTION OF A FOUNTAIN PEN
Joseph Tully, Toronto, Ontario, Canada
Application January 10, 1945, Serial No. 117,368
Term of patent 14 years
(Cl. D74-1)

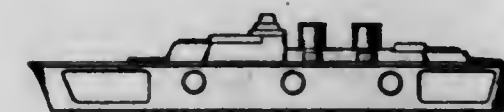
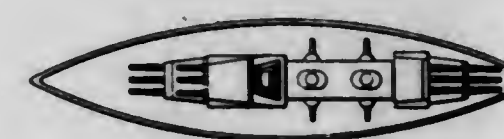
The ornamental design for a writing tip section of a fountain pen, as shown.

142,752

DESIGN FOR A PRODUCE DISPLAY STAND
Jerry Tyler, Niles, Mich., assignor to Tyler Fixture Corporation, Niles, Mich., a corporation of Michigan
Application October 21, 1944, Serial No. 115,909
Term of patent 14 years
(Cl. D80-11)

The ornamental design for a produce display stand, substantially as shown and described.

142,753

DESIGN FOR A COMBINED ASH TRAY AND HOLDER FOR SMOKERS' ARTICLES
John G. Vasquez, Hartford, Conn.
Application April 25, 1945, Serial No. 119,213
Term of patent 14 years
(Cl. D85-2)

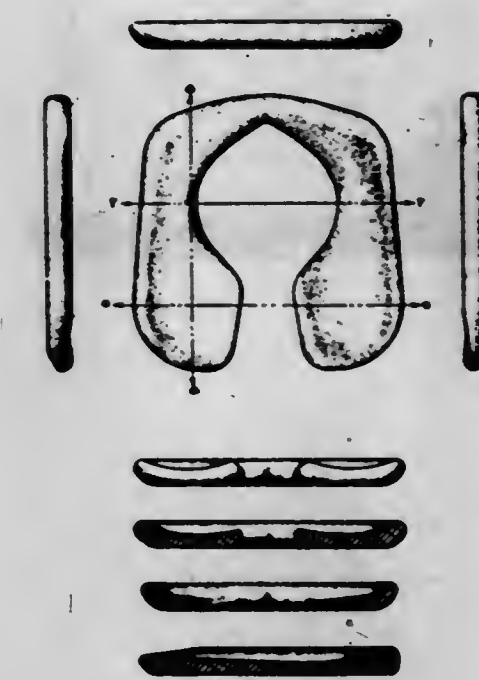
The ornamental design for a combined ash tray and holder for smokers' articles, as shown.

142,754

DESIGN FOR A LAPEL ORNAMENT OR SIMILAR ARTICLE
Carl Wandt, New York, N. Y.
Application June 11, 1945, Serial No. 120,006
Term of patent 3½ years
(Cl. D45-19)

The ornamental design for a lapel ornament or similar article, substantially as shown.

142,755

DESIGN FOR A TOILET SEAT
James D. Williams, Jr., Leavenworth, Ind.
Application January 10, 1945, Serial No. 117,369
Term of patent 14 years
(Cl. D4-5)

The ornamental design for a toilet seat, as shown.

142,756

DESIGN FOR A HAND MIRROR

Samuel J. Winslow, Providence, R. I.
Application February 19, 1945, Serial No. 118,021
Term of patent 7 years
(Cl. D86—10)

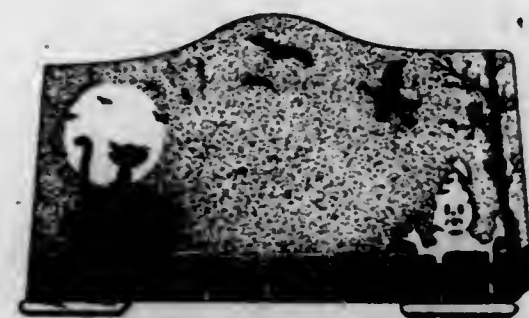


The ornamental design for a hand mirror, as shown and described.

142,757

DESIGN FOR A PLACE CARD HOLDER

Grant Wortman, Chicago, Ill.
Application July 21, 1945, Serial No. 120,864
Term of patent 7 years
(Cl. D59—2)

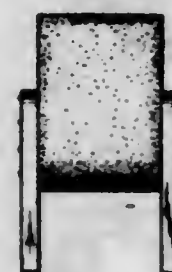
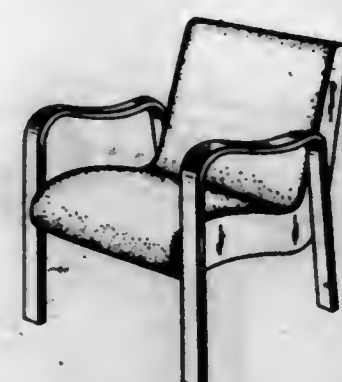


The ornamental design for a place card holder, as shown.

142,758

DESIGN FOR A CHAIR OR SIMILAR ARTICLE

Bruno R. Weill, Statesville, N. C., assignor to
Thonet Brothers, Inc., New York, N. Y.
Application July 9, 1945, Serial No. 120,596
Term of patent 7 years
(Cl. D15—1)

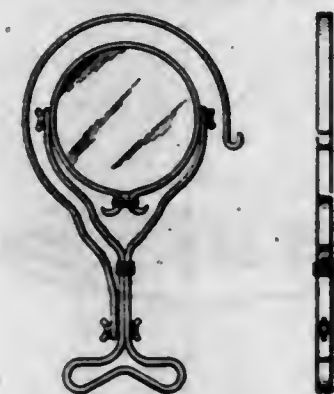


The ornamental design for a chair or similar article, as shown.

142,759

DESIGN FOR A ROUND-THE-NECK MIRROR

Samuel J. Winslow, Providence, R. I.
Application February 19, 1945, Serial No. 118,022
Term of patent 7 years
(Cl. D86—10)

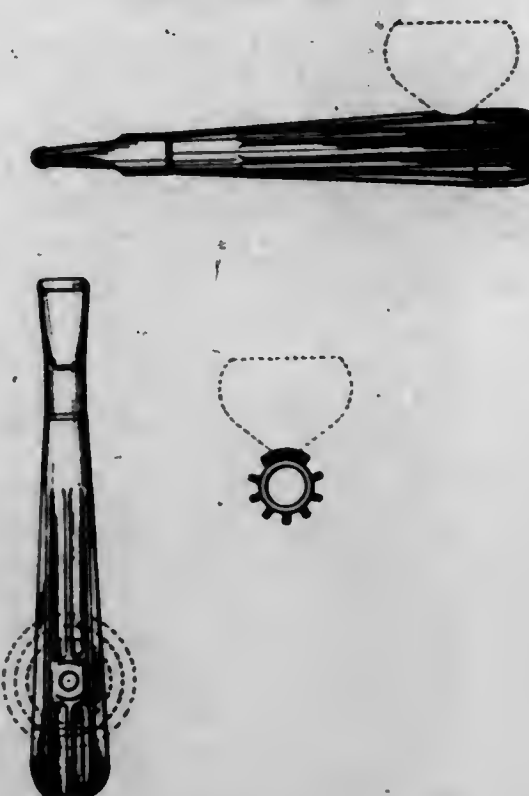


The ornamental design for a round-the-neck mirror, as shown and described.

142,760

DESIGN FOR A TOBACCO PIPE

Harold G. Wyse, Dayton, Ohio
Application April 13, 1945, Serial No. 118,984
Term of patent 14 years
(Cl. D85—8)

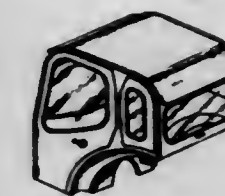


The ornamental design for a tobacco pipe, substantially as shown and described.

142,761

DESIGN FOR A TRACTOR CAB

Christian Zeller, Morton, Ill.
Application March 9, 1945, Serial No. 118,383
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a tractor cab, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

- Agency Paper Company, New York, N. Y. Carbon paper and typewriter ribbons. Serial No. 478,798; Oct. 30. Class 11.
- Allied Foods, Los Angeles, Calif. Pickles. Serial No. 484,416; Oct. 30. Class 46.
- Appelstein, Frank, doing business as Frederick Pharmaceutical Company, Baltimore, Md. Capsules for the treatment of headaches, grip, and pains of all description. Serial No. 479,163; Oct. 30. Class 6.
- Arbogast, Fred, Akron, Ohio. Artificial fish bait. Serial No. 486,844; Oct. 30. Class 22.
- Ardin, Lucien, Inc., New York, N. Y. Wines. Serial No. 486,909; Oct. 30. Class 47.
- Ashcraft-Wilkinson Company, Atlanta, Ga. Ammonium nitrate fertilizers. Serial No. 484,996; Oct. 30. Class 10.
- Associated Products, Inc., Chicago, Ill. Shampoo. Serial No. 485,189; Oct. 30. Class 6.
- Ayerst, McKenna & Harrison Limited, New York, N. Y. Filled containers of measured units of staphylococcus toxoid, endotoxin-vaccine, etc. Serial No. 485,124; Oct. 30. Class 6.
- Bakker & Rus Seed and Feed Company, Pella, Iowa. Wheat flour. Serial No. 475,597; Oct. 30. Class 46.
- Benrose Fabrics Corporation, New York, N. Y. Ladies' misses' and girls' dresses, blouses, playsuits, etc. Serial No. 484,818; Oct. 30. Class 39.
- Bierwert, Henrietta A., doing business as The Retko Products Company, Maplewood, N. J. Flower holders. Serial No. 484,116; Oct. 30. Class 50.
- Brewers Scientific Laboratories, Rahway, N. J. Compound for use in brewing of beers and ales. Serial No. 486,655; Oct. 30. Class 48.
- Brewers Scientific Laboratories, Rahway, N. J. Inhibitor compound for use in beers and ales, and yeasts. Serial No. 486,656; Oct. 30. Class 48.
- Brewers Scientific Laboratories, Rahway, N. J. Concentrated compound of hydrolyzed soluble proteins and amino acids. Serial No. 486,657; Oct. 30. Class 48.
- Carroll, Lombardi Pharmacy, Inc., New York, N. Y. Throat gargle. Serial No. 483,898; Oct. 30. Class 6.
- Catalina Inc., Los Angeles, Calif. Play-suits, blouses, athletic trunks, etc. Serial No. 482,730; Oct. 30. Class 39.
- Chicago Flexible Shaft Company, Chicago, Ill. Industrial furnaces. Serial No. 485,681; Oct. 30. Class 34.
- Cochran, John P., Company, The, Cleveland, Ohio. Paste and ready-mixed paints, varnishes, paint enamels, etc. Serial No. 482,866; Oct. 30. Class 16.
- Coles Text-Ears Co., Pine Bluff, Ark. Protective cover for metal temple pieces of spectacles. Serial No. 482,786; Oct. 30. Class 26.
- Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. Serial No. 484,291; Oct. 30. Class 6.
- Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. Serial No. 485,133; Oct. 30. Class 6.
- County Chemical Company Limited, The, Shirley, England. Abrasive soaps, polishing preparations and materials in the form of pastes. Serial No. 471,733; Oct. 30. Class 4.
- Deamicis Cigar Company: See—
Deamicis Cigar Co.
- Deamicis Cigar Co., doing business as Deamicis Cigar Company, Philadelphia, Pa. Cigars. Serial No. 485,723; Oct. 30. Class 17.
- Du Pont, E. I., de Nemours and Company, Wilmington, Del. Dimethylolurea. Serial No. 482,053; Oct. 30. Class 6.
- Duriron Company, Inc., The, Dayton, Ohio. Plumbing and steam-fitting supplies. Serial No. 480,743; Oct. 30. Class 13.
- Edinger, Charles C., doing business as Charles C. Edinger Company, Brooklyn, N. Y. Arch supports. Serial No. 479,841; Oct. 30. Class 44.
- Edinger, Charles C., Company: See—
Edinger, Charles C.
- Farastan Company, The, Philadelphia, Pa. Vitamin D-iodine combination. Serial No. 485,206; Oct. 30. Class 6.
- Farb, Victor, Brooklyn, N. Y. Metal polish sold in ready-mixed form. Serial No. 483,965; Oct. 30. Class 4.
- Fletcher Chemical Co.: See—
Fletcher, Clarence A.
- Fletcher, Clarence A., doing business as Fletcher Chemical Co., San Antonio, Tex. Germicide liniment. Serial No. 483,769; Oct. 30. Class 6.
- Frederick Pharmaceutical Company: See—
Appelstein, Frank.
- Glades Company: See—
Johnson, Howard L.
- Gray and Gray, Venice, Calif. Preparation for sterilizing glass ware, and an after shave lotion. Serial No. 483,853; Oct. 30. Class 6.
- Haas-Miller Corporation, Philadelphia, Pa. Softening and hygroscopic agent to be added to sizing mixtures. Serial No. 484,170; Oct. 30. Class 6.
- Hart, Schaffner & Marx, Chicago, Ill. Men's and boys' suits, coats, overcoats, etc. Serial No. 485,013; Oct. 30. Class 39.
- Hoffman, C. E., Co., Dallas, Tex. Dressings and lotions for the hair, and after shave lotion, shampoo cream, and oil shampoo. Serial No. 482,679; Oct. 30. Class 6.
- Horvath, Charles V., doing business as Vincent Chemical Company and Charles V. Horvath Company, South Bend, Ind. Permanent wave solution. Serial No. 469,200; Oct. 30. Class 6.
- Hudnut, Richard, New York, N. Y. Lipstick. Serial No. 485,219; Oct. 30. Class 6.
- Imperial Molded Products Corporation, Chicago, Ill. Plastic molded knobs, handles, pulls, etc. Serial No. 464,997; Oct. 30. Class 13.
- Interstate Bakeries Corporation, doing business as Schulze Baking Company, Kansas City, Mo.; Chicago, Peoria, and Springfield, Ill.; Cincinnati, Ohio; Omaha, Nebr.; Grand Rapids, Mich.; and Des Moines, Iowa. Bread. Serial No. 475,207; Oct. 30. Class 46.
- Johnson, Howard L., doing business as Glades Company, Homestead, Fla. Vitamin syrup concentrate. Serial No. 481,998; Oct. 30. Class 6.
- Kaiser, Frank A., Wallington, N. J. Preparation for soothing and alleviating inflammation. Serial No. 481,185; Oct. 30. Class 6.
- Kindt-Collins Company, The, Lakewood, Ohio. Protective coating. Serial No. 472,385; Oct. 30. Class 16.
- Kluster Jewelry Co., New York, N. Y. Finger rings. Serial No. 485,871; Oct. 30. Class 28.
- Koenigsberger, Franz, doing business as Oreon Parfumer, New York, N. Y. After shaving lotion, toilet water, face and body powder, etc. Serial No. 484,844; Oct. 30. Class 6.
- Kresge, S. S., Company, Detroit, Mich. Packaged writing paper and envelopes. Serial No. 485,413; Oct. 30. Class 37.
- Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Perfumes; toilet water; talcum powder, etc. Serial Nos. 484,308-9; Oct. 30. Class 6.
- Lanza, Horace O., San Francisco, Calif. Wines. Serial No. 486,903; Oct. 30. Class 47.
- Lederle Laboratories, Inc., New York, N. Y. Medicinal preparation. Serial No. 485,579; Oct. 30. Class 6.
- Lelong, Lucien, Inc., Chicago, Ill. Perfume. Serial No. 485,023; published Oct. 30. Class 6.
- Lenz Testing Laboratories: See—
Lenz, William J.
- Lenz, William J., doing business as Lenz Testing Laboratories, Louisville, Ky. Energizing preparation or chemical to be added to fuels. Serial No. 484,534; Oct. 30. Class 6.
- Lustberg, Nast & Co., Inc., New York, N. Y. Men's, boys' and women's raincoats and finger tip coats, men's and women's slacks, etc. Serial No. 484,962; Oct. 30. Class 39.
- Marathon Corporation, Rothschild, Wis. Dispersing agents. Serial No. 485,230; Oct. 30. Class 6.
- Maxson, W. L., Corporation, The, New York, N. Y. Prepared meals, consisting of meats, vegetables, stews, etc. Serial Nos. 482,685-7; Oct. 30. Class 46.
- Monsanto Chemical Company, St. Louis, Mo. Solvent for general use. Serial No. 484,313; Oct. 30. Class 6.
- National Silver Company, New York, N. Y. Articles made of glass. Serial No. 473,952; Oct. 30. Class 33.
- Ohio Bowling and Billiard Supply Company, Cleveland, Ohio. Bowling alley and pin surface treating compounds, etc. Serial No. 461,769; Oct. 30. Class 16.
- Oppenheim, S., Inc., New York, N. Y. Dry, resin emulsion and ready mixed paints, paint enamels, etc. Serial No. 483,115; Oct. 30. Class 16.
- Oreon Parfumer: See—
Koenigsberger, Franz.
- Pacific Gamble Robinson Co., Seattle, Wash. Fresh deciduous fruits. Serial No. 475,452; Oct. 30. Class 46.
- Parke, Davis & Company, Detroit, Mich. Medicinal preparation. Serial No. 481,338; Oct. 30. Class 6.
- Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Agricultural chemicals having insecticidal properties. Serial No. 483,336; Oct. 30. Class 6.
- Peter Pan Foundations, Inc., New York, N. Y. Brassiere. Serial No. 485,305; Oct. 30. Class 39.
- Pezze & Kimberly, Great Barrington, Mass. Liniment. Serial No. 484,698; Oct. 30. Class 6.
- Priess, John L., Chicago, Ill. Perfume, cologne, toilet water, etc. Serial No. 482,761; Oct. 30. Class 6.
- Primrose House, Inc., New York, N. Y. Nail polish, lipstick, rouge, eye shadow, etc. Serial No. 485,099; Oct. 30. Class 6.

LIST OF TRADE-MARK APPLICANTS

Rainbow Children Dress Co., New York, N. Y. Girls' and children's dresses, pinafores, blouses, etc. Serial No. 485,156; Oct. 30. Class 39.
 Rare Chemicals, Inc., Harrison, N. J. Sedative and restorative. Serial No. 485,242; Oct. 30. Class 6.
 Ren-Eta Gowns Inc., New York, N. Y. Misses' ladies', and junior dresses. Serial No. 485,157; Oct. 30. Class 39.
 Retko Products Company, The: See—
 Bierwert, Henrietta A.
 Rich, E. C., Inc., New York, N. Y. Glaced, dried, and sugared fruit confections including dates, figs, prunes, etc. Serial No. 473,678; Oct. 30. Class 46.
 Rieke Metal Products Corporation, Auburn, Ind. Closures, flanges, washers, etc. Serial No. 464,319; Oct. 30. Class 13.
 Ron Zorro Distillers, St. Thomas, V. I. Rum. Serial No. 486,814; Oct. 30. Class 49.
 Roper Bros. Inc., Winter Garden, Fla. Fresh citrus fruits. Serial No. 485,031; Oct. 30. Class 46.
 St. Regis Paper Company, New York, N. Y. Writing paper. Serial No. 485,516; Oct. 30. Class 37.
 Scheuer, Clemens, doing business as Scheuer Mfg. Co., New York, N. Y. Stand fixtures. Serial No. 481,193; Oct. 30. Class 50.
 Scheuer Mfg. Co.: See—
 Scheuer, Clemens.
 Schulze Baking Company: See—
 Interstate Bakeries Corporation.

Seegull Manufacturing Company, Philadelphia, Pa. Men's underwear. Serial No. 485,840; Oct. 30. Class 39.
 Silax Company, The, Hartford, Conn. Handles. Serial No. 479,312; Oct. 30. Class 13.
 Smith, Isidore, New York, N. Y. Ladies' and misses' coats, suits, jackets, etc. Serial No. 485,162; Oct. 30. Class 39.
 Smith, James P., & Company, Inc., New York, N. Y. Capers, canned mushrooms, canned peas, etc. Serial No. 485,062; Oct. 30. Class 46.
 Sonneborn, L. Sons, Inc., New York, N. Y. Liquid composition. Serial No. 484,981; Oct. 30. Class 6.
 Sonneborn, L. Sons, Inc., New York, N. Y. Warpsizing assistant and cotton softening composition. Serial No. 484,982; Oct. 30. Class 6.
 Sonneborn, L. Sons, Inc., New York, N. Y. Petroleum sulphates. Serial No. 484,983; Oct. 30. Class 6.
 Sutho Suda Co., Indianapolis, Ind. Washing and cleaning compound. Serial No. 482,597; Oct. 30. Class 4.
 Terminal Island Sea Foods, Ltd., Terminal Island, Calif. Canned fish. Serial No. 486,178; Oct. 30. Class 46.
 Vincent Chemical Company: See—
 Horvath, Charles V.
 Wallace Laboratories, Inc., New Brunswick, N. J. Medicinal preparation. Serial No. 485,253; Oct. 30. Class 6.
 Williamsburg Publishing Co. Inc., New York, N. Y. Greeting cards. Serial No. 482,408; Oct. 30. Class 38.

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Acu-Rule Mfg. Co., St. Louis, Mo. Slide rules. 417,580; Oct. 30. Class 26.
 Aeolian American Corporation: See—
 Mason & Hamlin Co.
 African & Eastern Trading Co., Incorporated, New York, N. Y. Canned sardines. 205,913; renewed Nov. 17, 1945. O. G. Oct. 30. Class 46.
 Airkem, Inc., New York, N. Y. Evaporators used as air conditioning equipment or parts thereof. 417,565; Oct. 30; Serial No. 484,727; published Aug. 21, 1945. Class 34.
 Aisenstein, Louis, & Bros., New York, N. Y. Glass candlesticks. 417,552; Oct. 30; Serial No. 483,806; published Aug. 14, 1945. Class 34.
 Aktiengesellschaft vormals B. Siegfried, Zofingen, Switzerland, to Gane and Ingram, Inc., New York, N. Y. Pharmaceutical product. 206,658; renewed Dec. 8, 1945. O. G. Oct. 30. Class 6.
 Alexander, Jane, Valley Stream, N. Y. Paper products. 417,480; Oct. 30; Serial No. 481,975; published Aug. 21, 1945. Class 37.
 Alexander, Jane, Valley Stream, N. Y. Bracelets, brooch pins, lapel pins, etc. 417,481; Oct. 30; Serial No. 481,974; published Aug. 21, 1945. Class 28.
 Allied Foods, Los Angeles, Calif. Pickled chiles and spiced pickled cucumbers. 417,410; Oct. 30; Serial No. 466,631; published Mar. 14, 1944. Class 46.
 American Cement Company, to Giant Portland Cement Company, Philadelphia, Pa. Portland, natural-rock, and improved cement. 48,614; re-renewed Jan. 9, 1945. O. G. Oct. 30. Class 12.
 American Cement Company, to Giant Portland Cement Company, Philadelphia, Pa. Portland, natural-rock, and improved cement. 48,648; re-renewed Jan. 9, 1945. O. G. Oct. 30. Class 12.
 American Stores Company, Philadelphia, Pa. Breakfast drink. 208,090; renewed Jan. 19, 1946. O. G. Oct. 30. Class 46.
 American Stores Company, Philadelphia, Pa. Brooms. 208,201; renewed Jan. 19, 1946. O. G. Oct. 30. Class 29.
 American Stores Co., Philadelphia, Pa. Vitamin capsules. 417,504; Oct. 30; Serial No. 482,779; published Aug. 14, 1945. Class 6.
 American Television & Radio Company, St. Paul, Minn. Electronic, electrical, and mechanical apparatus. 417,472; Oct. 30; Serial No. 481,508; published Aug. 14, 1945. Class 21.
 Arden Farms Co., Los Angeles, Calif. Dairy products—namely, ice-cream. 417,441; Oct. 30; Serial No. 477,252; published Aug. 21, 1945. Class 46.
 Arena, A., & Co., Ltd.: See—
 Spelch, Helen S., executrix.
 Associated Portland Cement Manufacturers, Limited, Westminster, London, England. Portland cement. 204,967; renewed Oct. 27, 1945. O. G. Oct. 30. Class 12.
 Astlett, H. A., & Co., New York, N. Y. Insecticides. 417,417; Oct. 30; Serial No. 469,104; published Aug. 14, 1945. Class 6.
 Automotive Sprinkler Co., North Platte, Nebr. Lawn sprinklers. 417,574-6; Oct. 30. Class 13.
 Badger Meter Manufacturing Company, Milwaukee, Wis. Water meters. 417,553; Oct. 30; Serial No. 483,840; published Aug. 21, 1945. Class 26.
 Baker, Charles F., & Co., Boston, to Chas. F. Baker & Co., Inc., Framingham, Mass. Wire nails. 40,090; re-renewed Jan. 23, 1946. O. G. Oct. 30. Class 13.

Baker, Chas. F., & Co., Inc.: See—
 Baker, Charles F., & Co.
 Barber Asphalt Corporation, Barber, N. J. Gasoline. 417,558; Oct. 30; Serial No. 483,954; published Aug. 7, 1945. Class 15.
 Barblizon Corporation, The, New York, N. Y. Ladies' wearing apparel. 417,579; Oct. 30. Class 39.
 Beacon Manufacturing Company, New Bedford, Mass., to Beacon Manufacturing Company, Swanton, N. C. Cotton blankets. 207,312; renewed Dec. 29, 1945. O. G. Oct. 30. Class 42.
 Beacon Steel Products Co., Westminster, Md. Metal brooders, portable metal chick fountains, etc. 417,497; Oct. 30; Serial No. 482,456; published Aug. 14, 1945. Class 50.
 Beaver Products Company, Inc., The, Buffalo, N. Y., to Certain-teed Products Corporation, Chicago, Ill. Wall board and building paper. 203,224; renewed Sept. 15, 1945. O. G. Oct. 30. Class 12.
 Belaief, Irving G., doing business as Blue Label Foundation Co., New York, N. Y. Brassieres, girdles, garter belts, etc. 417,473; Oct. 30; Serial No. 481,607; published Aug. 21, 1945. Class 39.
 Benjamin Electric Mfg. Company: See—
 Benjamin Electric Manufacturing Company.
 Benjamin Electric Manufacturing Company, Chicago, to Benjamin Electric Mfg. Company, Des Plaines, Ill. Sockets for vacuum tubes. 206,986; renewed Dec. 15, 1945. O. G. Oct. 30. Class 21.
 Bickiepegs Limited, Hertfordshire, England. Biscuits. 417,440; Oct. 30; Serial No. 477,000; published Aug. 21, 1945. Class 46.
 Bilbara Publishing Company, Inc., New York, N. Y. Magazine. 417,443; Oct. 30; Serial No. 477,457; published Mar. 27, 1945. Class 38.
 Bliss Ring Company: See—
 Drucker, Charles R.
 Blue Label Foundation Co.: See—
 Belaief, Irving G.
 Blutrigh, Solomon, doing business as M. T. Laboratories, New York, N. Y. Fuel pumps and parts thereof. 417,474; Oct. 30; Serial No. 481,660; published Aug. 14, 1945. Class 23.
 Bohemian Distributing Company, doing business as International Products Co., Los Angeles, Calif. Wines. 417,454; Oct. 30; Serial No. 479,062; published Aug. 7, 1945. Class 47.
 Booth Packing Company, The, Branch of Gibbs & Company Inc., to Gibbs & Company, Incorporated, Baltimore, Md. Tomato catchup, canned strawberries, canned pears, etc. 204,437; renewed Oct. 20, 1945. O. G. Oct. 30. Class 46.
 Brand & Co., Ltd.: See—
 Brand & Company, Limited.
 Brand & Company, Limited, London and Leicester, to Brand & Co. Ltd., London, England. Meat extracts, meat essences, canned and bottled soups, etc. 207,954; renewed Jan. 12, 1946. O. G. Oct. 30. Class 46.
 Braun & Fitts, Inc., to John F. Jelke Company, Chicago, Ill. Butterin or oleomargarin. 48,908; re-renewed Jan. 16, 1946. O. G. Oct. 30. Class 46.
 Braun & Fitts, Inc., to John F. Jelke Company, Chicago, Ill. Butterin or oleomargarin. 48,980; re-renewed Jan. 16, 1945. O. G. Oct. 30. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Brown, Edward A., Newton Highlands, Mass. Chemical compounds, preparations, and powders. 417,547; Oct. 30; Serial No. 483,712; published Aug. 21, 1945. Class 6.
 Buchsbaum, S., & Co., Chicago, Ill. Perfume and cologne. 417,520; Oct. 30; Serial No. 483,208; published Aug. 21, 1945. Class 6.
 Bunch, Joel D., doing business as Bunch Motor Co., Los Angeles, Calif. Model aircraft engines. 417,584; Oct. 30. Class 23.
 Bunch Motor Co.: See—
 Bunch, Joel D.
 Cali Rancho Fruit Packers: See—
 Spiegel, Benjamin.
 Camden Furniture Company, Camden, Ark. Household furniture. 417,420; Oct. 30; Serial No. 470,435; published Aug. 21, 1945. Class 32.
 Carson Pirie Scott & Company, Chicago, Ill. Towels. 202,521; renewed Aug. 25, 1945. O. G. Oct. 30. Class 42.
 Carter-Crume Co. Limited, to Moore Business Forms, Inc., Niagara Falls, N. Y. Continuous-sales-slip books. 46,503; re-renewed Sept. 12, 1945. O. G. Oct. 30. Class 37.
 Castilla Products, Inc., New York, N. Y. Perfumery, face creams and powders, etc. 417,476; Oct. 30; Serial No. 481,835; published Aug. 21, 1945. Class 6.
 Certain-teed Products Corporation: See—
 Beaver Products, Inc., The.
 Cestrada Cigarette Co.: See—
 Hatch Mansfield & Co., Limited.
 Chemotek Manufacturing Company, Houston, Tex. Lubricating and sealing grease. 417,453; Oct. 30; Serial No. 479,028; published Aug. 7, 1945. Class 15.
 Chloride Solutions, Inc.: See—
 Kittess, Jason J.
 Cleaveland Corporation, New York, N. Y. Cosmetics comprising lipsticks, perfumes, and powders. 417,514; Oct. 30; Serial No. 482,976; published Aug. 21, 1945. Class 6.
 Clover Leaf Paint & Varnish Corporation: See—
 Mayer & Loewenstein.
 Coloso Limited, Ridgefield, N. J. Table glassware and cooking glassware. 417,521; Oct. 30; Serial No. 483,213; published Aug. 14, 1945. Class 33.
 Columbia Mills, Inc., The, New York, N. Y. Shade roller pin setting machines. 417,572; Oct. 30. Class 23.
 Columbian Carbon Company, New York, N. Y. Particulate carbon. 417,463; Oct. 30; Serial No. 480,563; published Aug. 21, 1945. Class 1.
 Commercial Solvents Corporation, New York, N. Y. Oil-soluble surface active chemical compositions. 417,419; Oct. 30; Serial No. 470,330; published Aug. 21, 1945. Class 6.
 Compania Agricola Indarra, S. A., Cardenas, Cuba. Rum. 417,427; Oct. 30; Serial No. 471,944; published Aug. 14, 1945. Class 49.
 Consolidated Industries, Inc., La Fayette, Ind. Stokers. 417,561; Oct. 30; Serial No. 484,195; published Aug. 14, 1945. Class 34.
 Contesso, Mario, doing business as Contesso Products, New York, N. Y. Biological calcium. 417,433; Oct. 30; Serial No. 473,772; published Aug. 14, 1945. Class 6.
 Contesso Products: See—
 Contesso, Mario.
 Continental Coffee Company, Chicago, Ill. Coffee malted milk. 417,437; Oct. 30; Serial No. 475,840; published Aug. 21, 1945. Class 46.
 Countess Maritza Cosmetic Co., Inc., New York, N. Y. Perfume, eau de colognes, toilet waters, etc. 417,484; Oct. 30; Serial No. 482,195; published Aug. 14, 1945. Class 6.
 Cudahy Packing Company, The, Chicago, Ill., and South Omaha, Nebr., to The Cudahy Packing Company, Chicago, Ill. Lard and lard compound. 49,170; re-renewed Jan. 23, 1946. O. G. Oct. 30. Class 46.
 Currick & Leiken Co., Inc., New York, N. Y. Jackets, blouses and coats for men and women. 417,422; Oct. 30; Serial No. 470,528; published Aug. 21, 1945. Class 39.
 Dell Products Corporation, Newark, N. Y. Fruit-flavored, non-alcoholic sirups, concentrates and extracts for beverage-mixing purposes. 417,449; Oct. 30; Serial No. 478,508; published Aug. 14, 1945. Class 45.
 Denver Alfalfa Milling & Products Co., Lamar, Colo., to Ralston Purina Company, St. Louis, Mo. Meal made principally from alfalfa leaf. 204,144; renewed Oct. 6, 1945. O. G. Oct. 30. Class 46.
 Distributors Incorporated: See—
 Wilhelm Oil Company.
 Ditzler Color Co., Detroit, Mich., to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Oil finish. 204,148; renewed Oct. 6, 1945. O. G. Oct. 30. Class 16.
 Don Juan, Inc., New York, N. Y. Lipsticks, rouge and face powder. 417,495; Oct. 30; Serial No. 482,416; published Aug. 21, 1945. Class 6.
 Drita, John, & Sons, New York, N. Y. Linen, cotton and rayon fabrics. 417,585; Oct. 30. Class 40.
 Drucker, Charles R., doing business as Bliss Ring Company, Chicago, Ill. Wedding and engagement rings. 417,445; Oct. 30; Serial No. 47,871; published Aug. 21, 1945. Class 28.

Electro-King Mfg. Company, Chicago, Ill. Furnaces, boilers, heating stoves, etc. 417,450; Oct. 30; Serial No. 478,546; published Aug. 21, 1945. Class 34.
 Elgin Softener Corporation: See—
 Reiter Co.
 Embalmers' Supply Company, The, Westport, Conn. Injection fluid. 417,490; Oct. 30; Serial No. 482,369; published Aug. 21, 1945. Class 6.
 Embalmers' Supply Company, The, Westport, Conn. Cavity fluid for use in the embalming trade. 417,491; Oct. 30; Serial No. 482,370; published Aug. 21, 1945. Class 6.
 Embalmers' Supply Company, The, Westport, Conn. Anti-dehydrant for use in the embalming trade. 417,492; Oct. 30; Serial No. 482,371; published Aug. 21, 1945. Class 6.
 Embalmers' Supply Company, The, Westport, Conn. Arterial injection fluid for use in the embalming trade. 417,493-4; Oct. 30; Serial Nos. 482,372-3; published Aug. 21, 1945. Class 6.
 Empire Crafts Corporation, Newark, N. Y. Silver plated flat tableware. 417,428-9; Oct. 30; Serial Nos. 472,666-7; published Aug. 21, 1945. Class 28.
 Fairchester Oil Co. Inc., East Portchester, Conn. Oil-burner furnaces. 417,566; Oct. 30; Serial No. 484,760; published Aug. 21, 1945. Class 34.
 Fairfield Laboratories, Inc., Plainfield, N. J. Antiseptic and deodorant preparation in powder form. 417,430; Oct. 30; Serial No. 472,974; published Aug. 14, 1945. Class 6.
 Farrar, Cecil W., New York, N. Y. Column in a periodical publication. 417,501; Oct. 30; Serial No. 482,621; published Aug. 7, 1945. Class 38.
 Fean, William, doing business as Wm. Fean Products Co., Columbus, Ohio. Substitute for lemon juice. 417,435; Oct. 30; Serial No. 475,388; published Aug. 7, 1945. Class 45.
 Fean, Wm., Products Co.: See—
 Fean, William.
 Fedden Brothers Company, Incorporated, New York, N. Y. Hosiery. 417,533; Oct. 30; Serial No. 483,471; published Aug. 21, 1945. Class 39.
 Firestone Tire & Rubber Company, The, Akron, Ohio. Resilient vehicle tires. 201,750; renewed Aug. 4, 1945. O. G. Oct. 30. Class 35.
 Firestone Tire & Rubber Company, Akron, Ohio. Plastic compositions in sheet, rod, tube, plate and bar form. 417,462; Oct. 30; Serial No. 480,508; published Aug. 21, 1945. Class 1.
 Fleetwood Craftsmen, Inc., Fleetwood, Pa. Refrigerator display cases. 417,581; Oct. 30. Class 31.
 Folmer Graflex Corporation, The, Rochester, N. Y., now by change of name Graflex Inc. Photographic cameras, and parts thereof. 417,586; Oct. 30. Class 26.
 Forrest Incorporated, New York, N. Y. Rectal suppository. 417,511; Oct. 30; Serial No. 482,926; published Aug. 14, 1945. Class 49.
 Frankfurt, Leo, New York, N. Y. Baby bracelets. 417,445; Oct. 30; Serial No. 483,682; published Aug. 21, 1945. Class 28.
 Fritzsche Brothers, Inc., New York, N. Y. Concentrated odor neutralizing and perfuming compounds, etc. 417,546; Oct. 30; Serial No. 483,683; published Aug. 21, 1945. Class 6.
 Futter, Carl A., doing business as Kenwood Laboratory, Chicago, Ill. Hop concentrate. 417,421; Oct. 30; Serial No. 470,445; published Aug. 7, 1945. Class 48.
 Gane and Ingram Inc.: See—
 Aktiengesellschaft vormals B. Siegfried.
 Garrison, Bertice P., doing business as Paula Garrison, Seattle, Wash. Sleeping garments, play suits, sun suits, and rompers. 417,522; Oct. 30; Serial No. 483,223; published Aug. 21, 1945. Class 39.
 Garrison, Paula: See—
 Garrison, Bertice P.
 General Detroit Corporation, The, Detroit, Mich. Fire hose. 417,543; Oct. 30; Serial No. 483,613; published Aug. 21, 1945. Class 35.
 General Machinery Corporation, Hamilton, Ohio. Hydraulic forging presses, forging machines, steam hammers, etc. 417,526; Oct. 30; Serial No. 483,313; published Aug. 14, 1945. Class 23.
 General Mills, Inc., Minneapolis, Minn. Feed for animals. 417,408; Oct. 30; Serial No. 450,395; published Aug. 14, 1945. Class 46.
 Giant Portland Cement Company: See—
 American Cement Company.
 Gibbs & Company, Incorporated: See—
 Booth Packing Company, The.
 Gibbs & Company Inc. Branch of: See—
 Booth Packing Company, The.
 Goldberg, S., & Co. Inc., West New York, to S. Goldberg & Co., Inc., Hackensack, N. J. Slippers. 207,351; renewed Jan. 12, 1945. O. G. Oct. 30. Class 39.
 Graflex, Inc.: See—
 Folmer Graflex Corporation, The.
 Grand Rapids Varnish Corporation, Grand Rapids, Mich. Synthetic resin varnish. 417,589; Oct. 30. Class 16.
 Hadley Company, Incorporated, The, Providence, R. I. Clasps for ribbon bracelets, buckles, and metal bracelets. 202,931; renewed Sept. 8, 1945. O. G. Oct. 30. Class 28.

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Haering, D. W. & Co., Inc., Chicago, Ill. Chemical product used in water treating. 417,512; Oct. 30; Serial No. 482,928; published Aug. 21, 1945. Class 6.

Half Moon Bay Growers Association, San Francisco, Calif. Fresh vegetables. 417,451; Oct. 30; Serial No. 478,629; published Aug. 21, 1945. Class 46.

Handman, Maurice, New York, N. Y. After shave lotions and emollients, cologne, face powder, etc. 417,446; Oct. 30; Serial No. 477,882; published Aug. 14, 1945. Class 6.

Hanes Hosiery Incorporated, New York, N. Y. Hosiery. 417,496; Oct. 30; Serial No. 482,422; published Aug. 21, 1945. Class 39.

Harper Feed Mills, Inc., Pittsburgh, Pa. Poultry feeds. 417,411; Oct. 30; Serial No. 467,095; published Aug. 21, 1945. Class 46.

Harrison, Monroe, Chicago, Ill. Hair color restorative. 417,534; Oct. 30; Serial No. 483,478; published Aug. 21, 1945. Class 6.

Hatch Mansfield & Co., Limited, doing business as Cestrada Cigarette Co., London, England, to R. H. Macy & Co., Inc., New York, N. Y. Smoking tobacco and cigarettes. 205,716; renewed Nov. 17, 1945. O. G. Oct. 30. Class 17.

Hatch Mansfield & Co., Limited, doing business as Cestrada Cigarette Co., London, England, to R. H. Macy & Co., Inc., New York, N. Y. Cigarettes. 205,717; renewed Nov. 17, 1945. O. G. Oct. 30. Class 17.

Hawley & Hoops, New York, N. Y. Candles. 49,097; re-renewed Jan. 23, 1946. O. G. Oct. 30. Class 46.

Heyden Chemical Corporation, New York, N. Y. Liquid and solid chemical compounds and compositions. 417,527; Oct. 30; Serial No. 483,315; published Aug. 21, 1945. Class 6.

Hill-Shaw Company, Chicago, Ill. Porcelain filters for beverage brewers. 417,456; Oct. 30; Serial No. 479,233; published Aug. 14, 1945. Class 13.

Hill-Shaw Company, Chicago, Ill. Filters of cloth and cloth filter holders and filters made of porcelain. 417,470; Oct. 30; Serial No. 481,327; published Aug. 14, 1945. Class 13.

Hill-Shaw Company, Chicago, Ill. Aluminum and stainless steel upper bowls. 417,471; Oct. 30; Serial No. 481,328; published Aug. 14, 1945. Class 13.

Holbrook Candles, Inc., Brooklyn, N. Y. Candy. 417,500; Oct. 30. Class 46.

Hovden Food Products Corporation, Monterey, Calif. Canned fish and canned squid. 417,535; Oct. 30; Serial No. 483,479; published Aug. 21, 1945. Class 46.

Idris Limited, London, England. Cider diluted with aerated water. 417,458; Oct. 30; Serial No. 479,517; published Aug. 14, 1945. Class 47.

Industrial Synthetics Corporation, Irvington, N. J. Rods, tubes, and forms made of hard or flexible electric insulation materials. 417,424; Oct. 30; Serial No. 471,309; published Aug. 21, 1945. Class 21.

Innis, Spelden & Co., Inc. See—

Innis, Spelden & Co., Inc. See—

Innis, Spelden & Co., Inc., to Innis, Spelden & Co., New York, N. Y. Chemical preparation. 208,058; renewed Jan. 19, 1946. O. G. Oct. 30. Class 6.

Interborough News Company, New York, N. Y. Stationery supplies. 206,323; renewed Nov. 24, 1945. O. G. Oct. 30. Class 37.

International Products Co., Inc. See—

Bohemian Distributing Company.

Interstate Folding Box Company, The, Middletown, Ohio. Lined, folding paperboard cartons for frozen foods and the like. 417,538; Oct. 30; Serial No. 483,532; published Aug. 21, 1945. Class 2.

Irresistible, Inc., New York, N. Y. Perfume. 417,506; Oct. 30; Serial No. 482,841; published Aug. 14, 1945. Class 6.

Irving Iron Works Company, to Irving Subway Grating Co., Inc., Long Island City, N. Y. Metal gratings and floorings and staircases. 201,926; renewed Aug. 11, 1945. O. G. Oct. 30. Class 12.

Irving Subway Grating Co., Inc. See—

Irving Iron Works Company.

Jabson China Co., Inc., New York, N. Y. Lamp shades and ceramic bases for lamps. 417,525; Oct. 30; Serial No. 483,270; published Aug. 21, 1945. Class 34.

Jelke, John F., Company, Inc. See—

Braun & Fitts, Inc.

Jelke, John F., Company, Chicago, Ill. Prepared fatty oleaginous food substitute. 201,547; renewed July 28, 1945. O. G. Oct. 30. Class 46.

Jelke, John F., Company, Chicago, Ill. Oleomargarine. 202,916; renewed Sept. 8, 1945. O. G. Oct. 30. Class 46.

Jelke, John F., Company, Chicago, Ill. Oleomargarine. 204,084-6; renewed Oct. 6, 1945. O. G. Oct. 30. Class 46.

Jelke, John F., Company, Chicago, Ill. Oleomargarine. 208,184-5; renewed Jan. 19, 1946. O. G. Oct. 30. Class 46.

Johnson & Johnson, New Brunswick, N. J. Fibrous wadding or battings. 417,444; Oct. 30; Serial No. 477,514; published Aug. 14, 1945. Class 50.

Kaolin, Georgia, Company, Elizabeth, N. J. Clays for use in the manufacture of ceramics, rubber and paper industries. 417,554; Oct. 30; Serial No. 483,850; published Aug. 21, 1945. Class 1.

Kassel, Dorothy, doing business as Dotty Kassel, Fort Worth, Tex. Publication issued periodically. 417,488; Oct. 30; Serial No. 482,330; published Aug. 7, 1945. Class 38.

Kassel, Dorothy. See—

Kassel, Dorothy.

Kent, G. B. & Sons, Limited, London, England. Toothbrushes, hairbrushes, nail brushes, etc. 417,568; Oct. 30. Class 29.

Kenwood Laboratory. See—

Futter, Carl A.

Kerodin Products Co., Inc. See—

Mason, Sara.

Ker-O-Kil Manufacturing Co., Redwood City, Calif. Unitary portable hand-operated weed destroying burners and disinfecting torches. 417,436; Oct. 30; Serial No. 475,656; published Aug. 14, 1945. Class 23.

Keystone Lubricating Company, Philadelphia, Pa. Lubricating oils. 417,489; Oct. 30; Serial No. 482,331; published Aug. 7, 1945. Class 15.

Kia-Ora, Limited. See—

Lea-Ora, Limited.

Kirsten Pipe Company, Seattle, Wash. Smoking pipes and cigarette holders. 417,466; Oct. 30; Serial No. 480,916; published Aug. 21, 1945. Class 8.

Kliffess, Jason J., to Chloride Solutions, Inc., Los Angeles, Calif. Bleaching fluid. 205,846; renewed Nov. 17, 1945. O. G. Oct. 30. Class 6.

Koret, Joe, doing business as Koret of California, San Francisco, Calif. Misses' and women's jackets. 417,423; Oct. 30; Serial No. 470,979; published Aug. 21, 1945. Class 39.

Koret of California. See—

Koret, Joe.

Kuppenheimer, B. & Co., Inc., Chicago, Ill. Men's and boys' coats, vests, trousers, and overcoats. 206,144; renewed Nov. 24, 1945. O. G. Oct. 30. Class 39.

Kuppenheimer, B. & Co., Inc., Chicago, Ill. Men's and boys' flannel coats, vests, and trousers. 206,294; renewed Nov. 24, 1945. O. G. Oct. 30. Class 39.

Kuppenheimer, B. & Co., Inc., Chicago, Ill. Men's and youths' overcoats. 417,508; Oct. 30; Serial No. 482,881; published Aug. 21, 1945. Class 39.

Lady Harriet Brands Company, Detroit, Mich. Non-alcoholic flavoring extracts for alcoholic liquors. 417,555; Oct. 30; Serial No. 483,859; published Aug. 7, 1945. Class 49.

Lanair Chemical Corporation, Chicago, Ill. Oil sludge emulsifier. 417,457; Oct. 30; Serial No. 479,390; published Aug. 7, 1945. Class 15.

Lassie Toiletries, Inc., New York, N. Y. Toiletries. 417,483; Oct. 30; Serial No. 482,161; published Aug. 14, 1945. Class 6.

Lea-Ora, Limited, Prahran and Victoria, Australia, and London, England, to Kia-Ora, Limited, London, England. Nonalcoholic, maltless beverage. 205,838; renewed Nov. 17, 1945. O. G. Oct. 30. Class 45.

Lee, William W., Troy, to William W. Lee & Co., Water-villet, N. Y. Croup specific. 45,786; re-renewed Aug. 29, 1945. O. G. Oct. 30. Class 6.

Lee, William W. & Co. See—

Lee, William W.

Lehn & Fink Products Corporation, Bloomfield, N. J. Face powder. 417,539; Oct. 30; Serial No. 483,536; published Aug. 21, 1945. Class 6.

Lehn & Fink Products Corporation, Bloomfield, N. J. Eau de cologne. 417,540; Oct. 30; Serial No. 483,538; published Aug. 21, 1945. Class 6.

Leich Chemist, Inc., New York, N. Y., to Shulton, Inc., Hoboken, N. J., and New York, N. Y. Perfumes, toilet waters, bath salts, and face, hair, and hand lotions. 208,026; renewed Jan. 19, 1946. O. G. Oct. 30. Class 6.

Lemke, Dr. H. C., Medicine Co. See—

Lemke, Herman C.

Lemke, Herman C., to Dr. H. C. Lemke Medicine Co., Chicago, Ill. Liquid remedy for colic, cholera, dysentery, etc. 26,936; re-renewed Aug. 13, 1945. O. G. Oct. 30. Class 6.

Leschen, A. & Sons Rope Company, St. Louis, Mo. Wire ropes. 49,139; re-renewed Jan. 23, 1946. O. G. Oct. 30. Class 7.

Lewis, Charles T., doing business as Lewis Manufacturing Company, Oklahoma City, Okla. Curtains of water-proofed and fireproofed textile fabric. 417,582; Oct. 30. Class 50.

Lewis Manufacturing Company. See—

Lewis, Charles T.

Lubbi, Incorporated, Chicago, Ill. Internal lubricant. 417,498; Oct. 30; Serial No. 482,585; published Aug. 14, 1945. Class 6.

M. J. J. Magazines, New York, N. Y., and St. Louis, Mo. Magazine issued quarterly. 417,477; Oct. 30; Serial No. 481,851; published Aug. 7, 1945. Class 38.

M. T. Laboratories. See—

Blutrich, Solomon.

Macy, R. H. & Co., Inc. See—

Hatch Mansfield & Co., Limited.

Macy, R. H. & Co., Inc., New York, N. Y. Pads used as mattress protectors. 205,115; renewed Nov. 3, 1945. O. G. Oct. 30. Class 44.

Mangrum Holbrook & Elkus, San Francisco, Calif. Dressers, cook's table, dish tables, etc. 417,432; Oct. 30; Serial No. 473,473; published Aug. 21, 1945. Class 32.

LIST OF REGISTRANTS OF TRADE-MARKS

Mariann, Richard. See—

Willard, James B.

Martin Band Instrument Company, The, Elkhart, Ind. Brass and wind instruments. 417,583; Oct. 30. Class 36.

Mason & Hamlin Co., Cambridge, Mass., to Aeolian American Corporation, New York, N. Y. Pianos. 47,391; re-renewed Oct. 31, 1945. O. G. Oct. 30. Class 36.

Mason, Sara, doing business as Kerodin Products Co., Chicago, Ill. Preparation for ringworm, sometimes called athlete's foot. 417,438; Oct. 30; Serial No. 475,859; published Aug. 21, 1945. Class 6.

Maxson, W. L., Corporation, The, New York, N. Y. Periodical of house organ type. 417,502; Oct. 30; Serial No. 482,691; published Aug. 14, 1945. Class 38.

Mayer & Loewenstein, to Clover Leaf Paint & Varnish Corporation, Long Island City, N. Y. Varnishes and japans. 49,042; re-renewed Jan. 23, 1946. O. G. Oct. 30. Class 16.

McDonald and Oliff, Inc., Wauchula, Fla. Citrus juices and fresh citrus fruits. 417,503; Oct. 30; Serial No. 482,753; published Aug. 21, 1945. Class 46.

McInerney Spring & Wire Company, Grand Rapids, Mich. Monthly house organ. 417,556; Oct. 30; Serial No. 483,009; published Aug. 14, 1945. Class 38.

Mergenthaler Linotype Company, Brooklyn, N. Y. Matrices. 417,439; Oct. 30; Serial No. 475,964; published Aug. 14, 1945. Class 50.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Product in the form of an ointment. 417,513; Oct. 30; Serial No. 482,942; published Aug. 21, 1945. Class 6.

Merritt Products Company. See—

National Toilet Company.

Midwestern Sales, Inc., New York, N. Y. Chemical solvents. 417,548; Oct. 30; Serial No. 483,731; published Aug. 21, 1945. Class 6.

Miller, E. S., Laboratories, Inc., Los Angeles, Calif. Pituitary preparation. 417,448; Oct. 30; Serial No. 478,134; published Aug. 21, 1945. Class 6.

Minor, Emory M., Fairview, Va. General body tonic and body regulator. 417,544; Oct. 30; Serial No. 483,660; published Aug. 21, 1945. Class 6.

Minot, Hooper & Co., New York, N. Y. Sheetings. 48,159; re-renewed Dec. 12, 1945. O. G. Oct. 30. Class 42.

Minot, Hooper & Co., New York, N. Y. Cotton piece goods. 205,702; renewed Nov. 17, 1945. O. G. Oct. 30. Class 42.

Moore Business Forms, Inc. See—

Carter-Crumme Co., Limited.

Morse Chain Company, Ithaca, N. Y. Engine timing chains and sprockets. 417,577; Oct. 30. Class 23.

Mould-Fit Pad Co., New York, N. Y. Shoulder pads for garments. 417,573; Oct. 30. Class 40.

Moxie Company, The, Boston, Mass. Non-alcoholic, maltless carbonated beverage and sirup for making the same. 417,549; Oct. 30; Serial No. 483,733; published Aug. 14, 1945. Class 45.

Mulford, H. K., Company, to Sharp & Dohme, Incorporated, Philadelphia, Pa. Blood coagulant. 201,595; renewed Aug. 4, 1945. O. G. Oct. 30. Class 6.

Mundet Cork Corporation, Brooklyn, N. Y. Raw cork and cut cork. 417,415; Oct. 30; Serial No. 468,121; published Aug. 21, 1945. Class 1.

Music City, Los Angeles, Calif. Phonograph records, phonograph needles, non-electrical sound recording discs. 417,452; Oct. 30; Serial No. 478,891; published Aug. 14, 1945. Class 36.

Myrurgia, S. A., Barcelona, Spain. Perfumes, toilet creams, eau de cologne, etc. 417,507; Oct. 30; Serial No. 482,851; published Aug. 14, 1945. Class 6.

Narrow Fabric Co., The, West Reading, Pa. Narrow fabric laces. 204,580; renewed Oct. 20, 1945. O. G. Oct. 30. Class 42.

National Agrol Company, Washington, D. C. Medicinal chewing gum. 417,485; Oct. 30; Serial No. 482,212; published Aug. 14, 1945. Class 6.

National Oil Products Company, Harrison, N. J. Fatty amines and amides. 417,461; Oct. 30; Serial No. 480,468; published Aug. 14, 1945. Class 6.

National Toilet Company, doing business as Merritt Products Company, Paris, Tenn. Pie filling mix, tapoca, dessert mix, prepared mustard, etc. 417,562; Oct. 30; Serial No. 484,269; published Aug. 14, 1945. Class 46.

Newberry, E., Co., Los Angeles, Calif. Toilet preparations. 417,455; Oct. 30; Serial No. 479,090; published Aug. 14, 1945. Class 6.

New England Chemical and Supply Co. See—

Woronka, Andrew J.

New England Mica Co., Waltham, Mass. High temperature resisting inorganic bonded mica insulation. 417,530; Oct. 30; Serial No. 483,486; published Aug. 14, 1945. Class 21.

Northwestern Consolidated Milling Company, The, Minneapolis, Minn., to Standard Milling Company, New York, N. Y. Wheat-flour. 47,194-5; re-renewed Oct. 31, 1945. O. G. Oct. 30. Class 46.

Northwestern Consolidated Milling Company, The, Minneapolis, Minn., to Standard Milling Company, New York, N. Y. Wheat-flour. 47,197-8; re-renewed Oct. 31, 1945. O. G. Oct. 30. Class 46.

Northwestern Consolidated Milling Company, Minneapolis, Minn., to Standard Milling Company, New York, N. Y. Wheat-flour. 47,201-5; re-renewed Oct. 31, 1945. O. G. Oct. 30. Class 46.

Northwestern Consolidated Milling Company, The, Minneapolis, Minn., to Standard Milling Company, New York, N. Y. Wheat-flour. 47,207; re-renewed Oct. 31, 1945. O. G. Oct. 30. Class 46.

Nurserytime Products, Brooklyn, N. Y. Crib mattresses, playpen pads, baby carriage pads, etc. 417,475; Oct. 30; Serial No. 481,798; published Aug. 21, 1945. Class 32.

Onkes & Co., doing business as Tru-Test, Chicago, Ill. Radiator cleaning compound, brake fluid, knee-action fluid, etc. 417,464; Oct. 30; Serial No. 480,606; published Aug. 14, 1945. Class 6.

Orosi Foothill Citrus Association, Orosi, Calif. Fresh citrus fruits. 417,505; Oct. 30; Serial No. 482,811; published Aug. 21, 1945. Class 46.

Overbrook Company, Inc., The, Baltimore, Md. Liqueur. 417,523; Oct. 30; Serial No. 483,232; published Aug. 7, 1945. Class 49.

Oxford Corporation. See—

Oxford Varnish Corporation.

Oxford Varnish Corporation, to Oxford Corporation, Detroit, Mich. Baking japans, varnishes, and paint enamels. 198,921; renewed May 26, 1945. O. G. Oct. 30. Class 16.

Pacific Coast Borax Company, New York, N. Y. Borate ore. 417,531; Oct. 30; Serial No. 483,412; published Aug. 14, 1945. Class 6.

Packing Products Company, New York, N. Y. Bonito fish and tuna fish. 417,467; Oct. 30; Serial No. 481,156; published Aug. 21, 1945. Class 46.

Parents' Institute, Inc., The, New York, N. Y. Magazine for young girls published quarterly. 417,550; Oct. 30; Serial No. 483,781; published Aug. 14, 1945. Class 38.

Parfait, Incorporated, Chicago, Ill. Garment hangers. 417,587-8; Oct. 30. Class 50.

Patent Cereals Company, The, Geneva, N. Y. Cooked and uncooked white corn flakes. 208,082; renewed Jan. 19, 1946. O. G. Oct. 30. Class 46.

Paterson Parchment Paper Company, The, Passaic, N. J., to The Paterson Parchment Paper Company, Bristol, Pa. Paper employed for packing butter, cheese, lard, etc. 45,874; re-renewed Aug. 29, 1945. O. G. Oct. 30. Class 37.

Penacell Company. See—

Rudow, Harold L.

Pen Argyl Milling Company, Inc., Pen Argyl, Pa. Cereal products. 417,569; Oct. 30. Class 46.

Penney, J. C. Company, Wilmington, Del., and New York, to J. C. Penney Company, New York, N. Y. Bias fold tape. 204,679; renewed Oct. 20, 1945. O. G. Oct. 30. Class 40.

Perraud, Leon A. W., Los Angeles, Calif. Electrical driers for finger nail enamel. 417,425; Oct. 30; Serial No. 471,455; published Aug. 21, 1945. Class 44.

Physician's Drug & Supply Co., Philadelphia, Pa. Estrogenic hormone preparations. 417,532; Oct. 30; Serial No. 483,449; published Aug. 21, 1945. Class 6.

Pipe Couplings, Inc., New York, N. Y. Flexible pipe couplings. 417,582; Oct. 30; Serial No. 482,114; published Aug. 14, 1945. Class 13.

Pittsburgh Plate Glass Company. See—

Ditzler Color Co.

Priess, John L., Chicago, Ill. Perfume, cologne, toilet water, etc. 417,465; Oct. 30; Serial No. 480,836; published Aug. 21, 1945. Class 6.

Process Manufacturing Company, The, Chicago, Ill. Antiskid and friction composite materials. 417,570; Oct. 30. Class 50.

Procter & Gamble Company, The, Cincinnati, Ohio. Shampoo. 417,434; Oct. 30; Serial No. 475,164; published Aug. 14, 1945. Class 6.

Purity Drug Co., Inc., Passaic, N. J. Medicinal preparations. 417,460; Oct. 30; Serial No. 480,380; published Aug. 14, 1945. Class 6.

Purity Drug Co., Inc., Passaic, N. J. Haematinic tonic. 417,478; Oct. 30; Serial No. 481,858; published Aug. 14, 1945. Class 6.

Quartaroli, R. J., doing business as Stanislaus Canning Company, Modesto, Calif. Canned vegetables. 417,564; Oct. 30; Serial No. 484,701; published Aug. 14, 1945. Class 46.

Quix Company. See—

Sharpe, Florence C.

Ralston Purina Company. See—

Denver Alfalfa Milling & Products Co.

Reiter Co., to Elgin Softener Corporation, Elgin, Ill. Feed water treatment. 208,068; renewed Jan. 19, 1946. O. G. Oct. 30. Class 6.

Remembrance Rink Co., New York, N. Y. Finger rings. 417,450; Oct. 30; Serial No. 480,121; published Aug. 21, 1945. Class 28.

Republic Steel Corporation, Cleveland, Ohio. Electrically welded pipe, conduit, and tubing. 417,567; Oct. 30. Class 13.

Research Products Corporation, Madison, Wis. Granular material for chemically softening and conditioning water and silica gel. 417,528; Oct. 30; Serial No. 483,345; published Aug. 14, 1945. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Research Products Corporation, Madison, Wis. Air filters - for use with heating, ventilating, and air conditioning equipment. 417,560; Oct. 30; Serial No. 484,102; published Aug. 14, 1945. Class 34.

Rodelle Laboratories, Inc., Denver, Colo. Imitation vanilla flavoring for food purposes. 417,563; Oct. 30; Serial No. 484,360; published Aug. 21, 1945. Class 46.

Rogers, Alma S., Paducah, Ky. Marking kit. 417,571; Oct. 30. Class 50.

Royal Baking Company, to Standard Brands Incorporated, New York, N. Y. Baking-powder. 48,077; re-renewed Dec. 5, 1945. O. G. Oct. 30. Class 46.

Ruberoid Co., The, Boundbrook, N. J., and New York, N. Y. Flooring felt. 417,578; Oct. 30. Class 50.

Rudow, Harold L., doing business as Penacell Company, Seattle, Wash. Medicinal compound. 417,486; Oct. 30; Serial No. 482,221; published Aug. 14, 1945. Class 6.

Rutlee Chemical Company, Perth Amboy, N. J., and Washington, D. C. Drug for the treatment of leg ulcers, open sores, athlete's foot and externally open infections. 417,541-2; Oct. 30; Serial Nos. 483,591-2; published Aug. 21, 1945. Class 6.

San Diego Packing Corporation, San Diego Del Valle, Province of Las Villas, Cuba. Canned fruits and vegetables, fresh vegetables and fresh fruits. 417,413; Oct. 30; Serial No. 467,618; published Aug. 21, 1945. Class 46.

Sandune Products Co.; See—

Tebbetts, Eugene L.

Schleicher, Carl, & Schuell Company, Inc., New York, N. Y. Filter papers, filter pulp, filter and extraction thimbles, etc. 417,418; Oct. 30; Serial No. 469,788; published Aug. 21, 1945. Class 31.

Schlusman & Gutman, New York, N. Y. Ladies' fur coats. 417,519; Oct. 30; Serial No. 483,155; published Aug. 21, 1945. Class 39.

Scholl Mfg. Co., Inc., The; See—

Scholl Manufacturing Company, Inc.

Scholl Manufacturing Company, Inc., to The Scholl Mfg. Co., Inc., Chicago, Ill. Boots, shoes, and slippers. 404,211; renewed Oct. 13, 1945. O. G. Oct. 30. Class 39.

Scholl Manufacturing Company, Inc., to The Scholl Mfg. Co., Inc., Chicago, Ill. Remedy for ingrowing toenails and irritation around the nail groove. 204,884; renewed Oct. 27, 1945. O. G. Oct. 30. Class 6.

Scientrol, Inc., Shawano, Wis. Evaporated milk. 417,559; Oct. 30; Serial No. 483,990; published Aug. 21, 1945. Class 46.

Sharp & Dohme, Incorporated; See—

Mulford, H. K., Company.

Sharpe, Florence C., doing business as Quix Company, Los Angeles, Calif. Tablets that dispel breath odors. 417,509; Oct. 30; Serial No. 482,896; published Aug. 14, 1945. Class 6.

Shulton, Inc.; See—

Leigh Chemist, Inc.

Slater, S., and Sons, Inc., Slater, S. C. Dresses for women and girls, also outer dress shirts for men and boys. 417,537; Oct. 30; Serial No. 483,492; published Aug. 21, 1945. Class 39.

Speich, F. H.; Co.; See—

Speich, Helen S., executrix.

Speich, Frederick H.; See—

Speich, Helen S., executrix.

Speich, Helen S., executrix of the estate of Frederick H. Speich, deceased, doing business as F. H. Speich & Co., Riverside, to A. Arena & Co., Ltd., Los Angeles, Calif. Melons. 207,971; renewed Jan. 12, 1946. O. G. Oct. 30. Class 46.

Spiegel, Benjamin, doing business as Cali Rancho Fruit Packers, Chicago, Ill. Dried prunes and apricots dipped in honey. 417,529; Oct. 30; Serial No. 483,352; published Aug. 21, 1945. Class 46.

Squibb, E. R., & Sons, New York, N. Y. Antibacterial preparations. 417,499; Oct. 30; Serial No. 482,595; published Aug. 14, 1945. Class 6.

Squibb, E. R., & Sons, New York, N. Y. Growth-promoting hormonal preparations. 417,524; Oct. 30; Serial No. 483,239; published Aug. 21, 1945. Class 6.

Squibb, E. R., & Sons, New York, N. Y. Antibacterial preparations. 417,551; Oct. 30; Serial No. 483,798; published Aug. 21, 1945. Class 6.

Staley, A. E., Manufacturing Company, Decatur, Ill. Edible starch and particularly thin boiling starch. 417,426; Oct. 30; Serial No. 471,576; published Aug. 21, 1945. Class 46.

Standard Brands Incorporated; See—

Royal Baking Company.

Standard Milling Company; See—

Northwestern Consolidated Milling Company, The.

Stanislaus Canning Company; See—

Quararoll, R. J.

Starline Inc., Harvard, Ill. Door hangers, door tracks, and track brackets. 417,487; Oct. 30; Serial No. 482,260; published Aug. 14, 1945. Class 13.

Steel Boiler Institute, Inc., New York, N. Y. Steel boilers. 417,557; Oct. 30; Serial No. 483,938; published Aug. 21, 1945. Class 34.

Style Undies, Inc., New York, N. Y. Children's and misses' panties, slips, and pajamas. 417,510; Oct. 30; Serial No. 482,901; published Aug. 21, 1945. Class 39.

Swift & Company, Chicago, Ill. Eggs. 203,817; renewed Sept. 29, 1945. O. G. Oct. 30. Class 46.

Swift & Company, Chicago, Ill. Fresh, salted, and smoked pork and corned and cured beef. 203,859; renewed Sept. 29, 1945. O. G. Oct. 30. Class 46.

Swift & Company, Chicago, Ill. Soap chips. 204,776; renewed Oct. 27, 1945. O. G. Oct. 30. Class 4.

Swift & Company, Chicago, Ill. Eggs. 205,771; renewed Nov. 17, 1945. O. G. Oct. 30. Class 46.

Tebbetts, Eugene L., doing business as Sandune Products Co., Holliston, Mass. Salad spread. 416,469; Oct. 30; Serial No. 481,300; published Aug. 14, 1945. Class 46.

Tranco Manufacturing Company, The, Cleveland, Ohio. Corrosion inhibiting coating liquids for metal surfaces. 417,516; Oct. 30; Serial No. 483,044; published Aug. 21, 1945. Class 6.

Tru-Test; See—

Oakes & Co.

United States Gypsum Company, Chicago, Ill. Oxides and hydrates of alkaline earths, calcium carbonate and calcium sulfate. 417,409; Oct. 30; Serial No. 462,213; published Aug. 14, 1945. Class 6.

Vanderbilt Tire & Rubber Corp., New York, N. Y. Golf balls, tennis balls, golf clubs, and tennis rackets. 417,591; Oct. 30. Class 22.

Visking Corporation, The, Chicago, Ill. Cellulose sausage casings, etc. 417,447; Oct. 30; Serial No. 478,262; published Aug. 21, 1945. Class 2.

Walker Vitamin Products, Inc., Mt. Vernon, N. Y. Capsules containing principally synthetic vitamin K. 417,414; Oct. 30; Serial No. 467,833; published Oct. 17, 1944. Class 6.

Wallerstein Company, Inc., New York, N. Y. Preparation in dry powder form. 417,500; Oct. 30; Serial No. 482,602; published Aug. 14, 1945. Class 6.

Walsh Ethical Products; See—

Walsh, Joseph V.

Walsh, Joseph V., doing business as Walsh Ethical Products, Beacon, N. Y. Preparations in the form of capsules. 417,518; Oct. 30; Serial No. 483,125; published Aug. 21, 1945. Class 6.

Wausau Brewing Company, Wausau, Wis. Beer. 417,412; Oct. 30; Serial No. 467,327; published Aug. 7, 1945. Class 48.

Weber, F., Co., Philadelphia, Pa. Drawing instruments. 208,063; renewed Jan. 19, 1946. O. G. Oct. 30. Class 26.

Western Brick Company, Danville, Ill. Brick and tile. 206,443; renewed Dec. 1, 1945. O. G. Oct. 30. Class 12.

Wil-Co-Lene Mfg. Co., Newark, N. J. Liquid compositions to be added to fuel oils and to lubricating oils and compositions in powder form to be introduced into a zone of combustion. 417,479; Oct. 30; Serial No. 481,970; published Aug. 21, 1945. Class 6.

Wile, Oscar J., & Company, New York, N. Y. Port wine. 417,431; Oct. 30; Serial No. 473,080; published Aug. 7, 1945. Class 47.

Wilhelm Oil Company to Distributors Incorporated, St. Paul, Minn. Lubricating oils and greases. 201,421; renewed July 28, 1945. O. G. Oct. 30. Class 15.

Wilhelm Oil Company, to Distributors Incorporated, St. Paul, Minn. Lubricating oils and greases. 202,034; renewed Aug. 11, 1945. O. G. Oct. 30. Class 15.

Wilkins, Cecil R., Miami, Fla. Synthetic stones having the appearance of precious or semi-precious stones. 417,442; Oct. 30; Serial No. 477,341; published Aug. 21, 1945. Class 28.

Willard, James B., doing business as Richard Mariann, Chicago, Ill. Facial creams, face lotions, face powder, etc. 417,416; Oct. 30; Serial No. 469,070; published Aug. 14, 1945. Class 6.

Winthrop Products Inc., New York, N. Y. Antispasmodic, sedative, and vasodilator preparation. 417,530; Oct. 30; Serial No. 483,405; published Aug. 21, 1945. Class 6.

Wise, William H., & Co. Inc., New York, N. Y. Series of books. 417,468; Oct. 30; Serial No. 481,168; published Aug. 7, 1945. Class 38.

Woronka, Andrew J., doing business as New England Chemical and Supply Co., Manchester, N. H. Chemical preparation. 417,515; Oct. 30; Serial No. 483,013; published Aug. 21, 1945. Class 6.

Wyner, I. A., & Co., Inc., New York, N. Y. Piece goods of worsted and of worsted and cotton mixture. 204,482; renewed Oct. 20, 1945. O. G. Oct. 30. Class 42.

Zeltman, Al, doing business as Zeltman Produce Company, Phoenix, Ariz. Fresh vegetables. 417,517; Oct. 30; Serial No. 483,101; published Aug. 21, 1945. Class 46.

Zeltman Produce Company; See—

Zeltman, Al.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Carbon. Particulate. Columbian Carbon Company. 416,463; Oct. 30; Serial No. 480,563; published Aug. 21, 1945.

Clays for use in the manufacture of ceramics, rubber and paper industries. Georgia Kaolin Company. 417,554; Oct. 30; Serial No. 483,850; published Aug. 21, 1945.

Cork and cut cork, Raw. Mundet Cork Corporation. 417,415; Oct. 30; Serial No. 468,121; published Aug. 21, 1945.

Plastic compositions in sheet, rod, tube, plate and bar form. Firestone Tire & Rubber Company. 417,462; Oct. 30; Serial No. 480,508; published Aug. 21, 1945.

CLASS 2

Cartons for frozen foods and the like, lined, folding paper-board. Interstate Folding Box Company. 417,538; Oct. 30; Serial No. 483,532; published Aug. 21, 1945.

Sausage casings. Cellulose. Visking Corporation. 417,447; Oct. 30; Serial No. 478,262; published Aug. 21, 1945.

CLASS 4

Soap chips. Swift & Company. 204,776; renewed Oct. 27, 1945. O. G. Oct. 30.

CLASS 6

Amines and amides, Fatty. National Oil Products Company. 417,461; Oct. 30; Serial No. 480,468; published Aug. 14, 1945.

Antibacterial preparations. E. R. Squibb & Sons. 417,499; Oct. 30; Serial No. 482,595; published Aug. 14, 1945.

Antibacterial preparations. E. R. Squibb & Sons. 417,551; Oct. 30; Serial No. 483,798; published Aug. 21, 1945.

Anti-dehydrant for use in the embalming trade. Embalmers' Supply Company. 417,492; Oct. 30; Serial No. 482,371; published Aug. 21, 1945.

Antiseptic and deodorant preparation in powder form. Fairfield Laboratories, Inc. 417,430; Oct. 30; Serial No. 472,974; published Aug. 14, 1945.

Antispasmodic, sedative and vasodilator preparation. Winthrop Products Inc. 417,530; Oct. 30; Serial No. 483,405; published Aug. 21, 1945.

Bleaching fluid. J. J. Kittess. 205,846; renewed Nov. 17, 1945. O. G. Oct. 30.

Blood coagulant. H. K. Mulford Company. 201,595; renewed Aug. 4, 1945. O. G. Oct. 30.

Calcium. Biological. M. Contesso. 417,433; Oct. 30; Serial No. 473,772; published Aug. 14, 1945.

Capsules containing principally synthetic vitamin K. Walker Vitamin Products, Inc. 417,414; Oct. 30; Serial No. 467,833; published Oct. 17, 1944.

Chemical compositions, Oil-soluble surface active. Commercial Solvents Corporation. 417,419; Oct. 30; Serial No. 470,330; published Aug. 21, 1945.

Chemical compounds and compositions, Liquid and solid. Heyden Chemical Corporation. 417,527; Oct. 30; Serial No. 483,315; published Aug. 21, 1945.

Chemical compounds, preparations and powders. E. A. Brown. 417,547; Oct. 30; Serial No. 483,712; published Aug. 21, 1945.

Chemical preparation. Innis, Spelden & Co., Inc. 208,058; renewed Jan. 19, 1946. O. G. Oct. 30.

Chemical preparation. A. J. Woronka. 417,515; Oct. 30; Serial No. 483,013; published Aug. 21, 1945.

Chemical product used in water treating. D. W. Haering & Co., Inc. 417,512; Oct. 30; Serial No. 482,928; published Aug. 21, 1945.

Chemical solvents. Midwestern Sales, Inc. 417,548; Oct. 30; Serial No. 483,731; published Aug. 21, 1945.

Cleaning compound, brake fluid, knee-action fluid, etc. Radiator. Oakes & Co. 417,464; Oct. 30; Serial No. 480,606; published Aug. 14, 1945.

Corrosion inhibiting coating liquids for metal surfaces. Tranco Manufacturing Company. 417,516; Oct. 30; Serial No. 483,044; published Aug. 21, 1945.

Cosmetics comprising lipsticks, perfumes, and powders. Clevelandt Corporation. 417,514; Oct. 30; Serial No. 482,976; published Aug. 21, 1945.

Creams, face lotions, face powder, etc. Facial. J. B. Willard. 417,416; Oct. 30; Serial No. 469,070; published Aug. 14, 1945.

Croup specific. W. W. Lee. 45,786; re-renewed Aug. 29, 1945. O. G. Oct. 30.

Drug for the treatment of leg ulcers, open sores, athlete's foot and externally open infections. Rutlee Chemical Company. 417,541-2; Oct. 30; Serial Nos. 483,591-2; published Aug. 21, 1945.

Eau de cologne. Lehn & Fink Products Corporation. 417,540; Oct. 30; Serial No. 483,538; published Aug. 21, 1945.

Estrogenic hormone preparations. Physician's Drug & Supply Co. 417,532; Oct. 30; Serial No. 483,449; published Aug. 21, 1945.

Fluid for use in the embalming trade, Arterial injection. Embalmers' Supply Company. 417,493-4; Oct. 30; Serial Nos. 482,372-3; published Aug. 21, 1945.

Fluid for use in the embalming trade, Cavity. Embalmers' Supply Company. 417,491; Oct. 30; Serial No. 482,370; published Aug. 21, 1945.

Granular material for chemically softening and conditioning water and silica gel. Research Products Corporation. 417,528; Oct. 30; Serial No. 483,345; published Aug. 14, 1945.

Gum, Medicinal chewing. National Agrol Company. 417,485; Oct. 30; Serial No. 482,212; published Aug. 14, 1945.

Hair color restorative. M. Harrison. 417,534; Oct. 30; Serial No. 483,478; published Aug. 21, 1945.

Hormonal preparations, Growth-promoting. E. R. Squibb & Sons. 417,524; Oct. 30; Serial No. 483,239; published Aug. 21, 1945.

Injection fluid. Embalmers' Supply Company. 417,490; Oct. 30; Serial No. 482,369; published Aug. 21, 1945.

Insecticides. H. A. Astlett & Co. 417,417; Oct. 30; Serial No. 469,104; published Aug. 14, 1945.

Lipsticks, rouge and face powder. Don Juan, Inc. 417,495; Oct. 30; Serial No. 482,416; published Aug. 21, 1945.

Liquid compositions to be added to fuel oil and to lubricating oils and compositions in powder form to be introduced into a zone of combustion. Wil-Co-Lene Mfg. Co. 417,479; Oct. 30; Serial No. 481,970; published Aug. 21, 1945.

Liquid remedy for colic, cholera, dysentery, etc. H. C. Lemke. 26,936; re-renewed Aug. 13, 1945. O. G. Oct. 30.

Lotions and emollients, cologne, face powder, etc. After shave. M. Handman. 417,446; Oct. 30; Serial No. 477,882; published Aug. 14, 1945.

Lubricant, Internal. Lubbi, Incorporated. 417,498; Oct. 30; Serial No. 482,585; published Aug. 14, 1945.

Medicinal compound. H. L. Rudow. 417,486; Oct. 30; Serial No. 482,221; published Aug. 14, 1945.

Medicinal preparations. Purity Drug Co., Inc. 417,460; Oct. 30; Serial No. 480,380; published Aug. 14, 1945.

Odor neutralizing and perfuming compounds, etc. Concentrated. Fritzsche Brothers, Inc. 417,546; Oct. 30; Serial No. 483,683; published Aug. 21, 1945.

Ore, Borate. Pacific Coast Borax Company. 417,531; Oct. 30; Serial No. 483,412; published Aug. 14, 1945.

Oxides and hydrates of alkaline earths, calcium carbonate and calcium sulfate. United States Gypsum Company. 417,409; Oct. 30; Serial No. 462,213; published Aug. 14, 1945.

Perfume. Irresistible, Inc. 417,506; Oct. 30; Serial No. 482,841; published Aug. 14, 1945.

Perfume and cologne. S. Buchsbaum & Co. 417,520; Oct. 30; Serial No. 483,208; published Aug. 21, 1945.

Perfume, cologne, toilet water, etc. J. L. Priess. 417,465; Oct. 30; Serial No. 480,836; published Aug. 21, 1945.

Perfume, eau de colognes, toilet waters, etc. Countess Maritza Cosmetics Co., Inc. 417,484; Oct. 30; Serial No. 482,195; published Aug. 14, 1945.

Perfumery, face creams and powders, etc. Castilla Products, Inc. 417,476; Oct. 30; Serial No. 481,835; published Aug. 21, 1945.

Perfumes, toilet creams, eau de cologne, etc. Myrurgia, S. A. 417,507; Oct. 30; Serial No. 482,851; published Aug. 14, 1945.

Perfumes, toilet waters, bath salts, and face, hair and hand lotions. Leigh Chemist, Inc. 208,026; renewed Jan. 16, 1946. O. G. Oct. 30.

Pharmaceutical product. Aktiengesellschaft vormels B. Siegfried. 206,658; renewed Dec. 8, 1945. O. G. Oct. 30.

Pituitary preparation. E. S. Miller Laboratories, Inc. 417,448; Oct. 30; Serial No. 478,134; published Aug. 21, 1945.

Powder, Face. Lehn & Fink Products Corporation. 417,539; Oct. 30; Serial No. 483,536; published Aug. 21, 1945.

Preparation for ringworm, sometimes called athlete's foot. S. Mason. 417,438; Oct. 30; Serial No. 475,859; published Aug. 21, 1945.

Preparation in dry powder form. Wallerstein Company, Inc. 417,500; Oct. 30; Serial No. 482,602; published Aug. 14, 1945.

Preparation in the form of capsules. J. V. Walsh. 417,518; Oct. 30; Serial No. 483,125; published Aug. 21, 1945.

Products in the form of an ointment. Wm. S. Merrell Company. 417,513; Oct. 30; Serial No. 482,942; published Aug. 21, 1945.

Remedy for ingrowing toenails and irritation around the nail groove. Scholl Manufacturing Company, Inc. 204,884; renewed Oct. 27, 1945. O. G. Oct. 30.

Shampoo. Procter & Gamble Company. 417,434; Oct. 30; Serial No. 475,164; published Aug. 14, 1945.

Suppository, Rectal. Forrest Incorporated. 417,511; Oct. 30; Serial No. 482,926; published Aug. 14, 1945.

Tablets that dispel breath odors. Florence C. Sharpe. 417,509; Oct. 30; Serial No. 482,896; published Aug. 14, 1945.
 Toilet preparations. E. Newberry Co. 417,455; Oct. 30; Serial No. 479,090; published Aug. 14, 1945.
 Toiletries. Lassie Toiletries, Inc. 417,483; Oct. 30; Serial No. 482,161; published Aug. 14, 1945.
 Tonic and body regulator, General body. E. M. Minor. 417,544; Oct. 30; Serial No. 483,660; published Aug. 21, 1945.
 Tonic, Haematonic. Purity Drug Co., Inc. 417,478; Oct. 30; Serial No. 481,858; published Aug. 14, 1945.
 Vitamin capsules. American Stores Co. 417,504; Oct. 30; Serial No. 482,779; published Aug. 14, 1945.
 Water treatment, Feed. Relter Co. 208,068; renewed Jan. 19, 1946. O. G. Oct. 30.

CLASS 7

Ropes, Wire. A. Leschen & Sons Rope Company. 49,139; re-renewed Jan. 23, 1946. O. G. Oct. 30.

CLASS 8

Pipes and cigarette holders, Smoking. Kirsten Pipe Company. 417,466; Oct. 30; Serial No. 480,916; published Aug. 21, 1945.

CLASS 12

Brick and tile. Western Brick Company. 206,443; renewed Dec. 1, 1945. O. G. Oct. 30.
 Cement, Portland. Associated Portland Cement Manufacturers, Limited. 204,967; renewed Oct. 27, 1945. O. G. Oct. 30.
 Cement, Portland, natural-rock, and improved. American Cement Company. 48,614; re-renewed Jan. 9, 1946. O. G. Oct. 30.
 Cement, Portland, natural-rock, and improved. American Cement Company. 48,648; re-renewed Jan. 9, 1946. O. G. Oct. 30.
 Gratings and floorings and staircases, Metal. Irving Iron Works Company. 201,926; renewed Aug. 11, 1945. O. G. Oct. 30.
 Wall board and building paper. Beaver Products Company, Inc. 203,224; renewed Sept. 15, 1945. O. G. Oct. 30.

CLASS 13

Bowls, Aluminum and stainless steel upper. Hill-Shaw Company. 417,471; Oct. 30; Serial No. 481,328; published Aug. 14, 1945.
 Couplings, Flexible pipe. Pipe Couplings, Inc. 417,482; Oct. 30; Serial No. 482,114; published Aug. 14, 1945.
 Filters for beverage brewers, Porcelain. Hill-Shaw Company. 417,456; Oct. 30; Serial No. 479,233; published Aug. 14, 1945.
 Filters of cloth and cloth filter holders and filters made of porcelain. Hill-Shaw Company. 417,470; Oct. 30; Serial No. 481,327; published Aug. 14, 1945.
 Hangers, door tracks and track brackets, Door. Starline, Inc. 417,487; Oct. 30; Serial No. 482,260; published Aug. 14, 1945.
 Nails, Wire. Charles F. Baker & Co. 49,090; re-renewed Jan. 23, 1946. O. G. Oct. 30.
 Sprinklers, Lawn. Automotive Sprinkler Co. 417,574-6; Oct. 30.
 Welded pipe, conduit, and tubing, Electrically. Republic Steel Corporation. 417,567; Oct. 30.

CLASS 15

Gasoline. Barber Asphalt Corporation. 417,558; Oct. 30; Serial No. 483,954; published Aug. 7, 1945.
 Grease, Lubricating and sealing. Chemotek Manufacturing Company. 417,453; Oct. 30; Serial No. 479,028; published Aug. 7, 1945.
 Oil, sludge emulsifier. Lanair Chemical Corporation. 417,457; Oct. 30; Serial No. 479,390; published Aug. 7, 1945.
 Oils and greases, Lubricating. Wilhelm Oil Company. 201,421; renewed July 28, 1945. O. G. Oct. 30.
 Oils and greases, Lubricating. Wilhelm Oil Company. 202,034; renewed Aug. 11, 1945. O. G. Oct. 30.
 Oils, Lubricating. Keystone Lubricating Company. 417,489; Oct. 30; Serial No. 482,331; published Aug. 7, 1945.

CLASS 16

Japans, varnishes, and paint enamels, Baking. Oxford Corporation. 198,921; renewed May 26, 1945. O. G. Oct. 30.
 Oil finish. Ditzler Color Co. 204,148; renewed Oct. 6, 1945. O. G. Oct. 30.
 Varnish, Synthetic resin. Grand Rapids Varnish Corporation. 417,589; Oct. 30.
 Varnishes and Japans. Mayer & Loewenstein. 49,042; re-renewed Jan. 23, 1946. O. G. Oct. 30.

CLASS 17

Cigarettes. Hatch Mansfield & Co., Limited. 205,717; renewed Nov. 17, 1945. O. G. Oct. 30.
 Tobacco and cigarettes, Smoking. Hatch Mansfield & Co., Limited. 205,716; renewed Nov. 17, 1945. O. G. Oct. 30.

CLASS 21

Electronic, electrical, and mechanical apparatus. American Television & Radio Company. 417,472; Oct. 30; Serial No. 481,508; published Aug. 14, 1945.
 Mica insulation, High temperature resisting, inorganic bonded. New England Mica Co. 417,536; Oct. 30; Serial No. 483,486; published Aug. 14, 1945.
 Rods, tubes, and forms made of hand or flexible electric insulation materials. Industrial Synthetics Corporation. 417,424; Oct. 30; Serial No. 471,309; published Aug. 21, 1945.
 Sockets for vacuum tubes. Benjamin Electric Manufacturing Company. 206,986; renewed Dec. 15, 1945. O. G. Oct. 30.

CLASS 22

Golf balls, tennis balls, and tennis rackets, etc. Vanderbilt Tire & Rubber Corp. 417,591; Oct. 30.

CLASS 23

Chains and sprockets, Engine timing. Morse Chain Company. 417,577; Oct. 30.
 Engines, Model aircraft. J. D. Bunch. 417,584; Oct. 30.
 Machines, Shade roller pin setting. Columbia Mills, Inc. 417,572; Oct. 30.
 Presses, forging machines, steam hammers, etc., Hydraulic forging. General Machinery Corporation. 417,526; Oct. 30; Serial No. 483,313; published Aug. 14, 1945.
 Pumps and parts, thereof, Fuel. S. Blutrach. 417,474; Oct. 30; Serial No. 481,660; published Aug. 14, 1945.
 Weed destroying burners and disinfecting torches, Unitary portable hand-operated. Ker-O-Kil Manufacturing Co. 417,436; Oct. 30; Serial No. 475,656; published Aug. 14, 1945.

CLASS 26

Cameras and parts thereof, Photographic. Folmer Graflex Corporation, The. 417,586; Oct. 30.
 Instruments, Drawing. F. Weber Co. 208,063; renewed Jan. 19, 1946. O. G. Oct. 30.
 Meters, Water. Badger Meter Manufacturing Company. 417,553; Oct. 30; Serial No. 483,840; published Aug. 21, 1945.
 Slide rules. Acu-Rule Mfg. Co. 417,580; Oct. 30.

CLASS 28

Bracelets, Baby. L. Frankfurt. 417,545; Oct. 30; Serial No. 483,682; published Aug. 21, 1945.
 Bracelets, brooch pins, lapel pins, etc. J. Alexander. 417,481; Oct. 30; Serial No. 481,974; published Aug. 21, 1945.
 Clasps for ribbon bracelets, buckles, and metal bracelets. Hadley Company, Incorporated. 202,931; renewed Sept. 8, 1945. O. G. Oct. 30.
 Rings, Finger. Remembrance Ring Co. 417,459; Oct. 30; Serial No. 480,121; published Aug. 21, 1945.
 Rings, Wedding and engagement. C. R. Drucker. 417,445; Oct. 30; Serial No. 477,871; published Aug. 21, 1945.
 Stones having the appearance of precious or semi-precious stones, Synthetic. C. R. Wilkins. 417,442; Oct. 30; Serial No. 477,341; published Aug. 21, 1945.
 Tableware, Silver plated flat. Empire Crafts Corporation. 417,428-9; Oct. 30; Serial Nos. 472,666-7; published Aug. 21, 1945.

CLASS 29

Brooms. American Stores Company. 208,201; renewed Jan. 19, 1946. O. G. Oct. 30.
 Toothbrushes, hairbrushes, nail brushes, etc. G. B. Kent & Sons, Limited. 417,568; Oct. 30.

CLASS 31

Filter paper, filter pulp, filter and extraction thimbles, etc. Carl Schleicher & Schuell Company, Inc. 417,418; Oct. 30; Serial No. 469,788; published Aug. 21, 1945.
 Refrigerator display cases. Fleetwood Craftsmen, Inc. 417,581; Oct. 30.

CLASS 32

Dressers, cooks' tables, dish tables, etc. Mangrum Holbrook & Elkus. 417,432; Oct. 30; Serial No. 473,473; published Aug. 21, 1945.
 Furniture, Household. Camden Furniture Company. 417,420; Oct. 30; Serial No. 470,435; published Aug. 21, 1945.
 Mattresses, playpen pads, baby carriage pads, etc., Crib. Nurserytime Products. 417,475; Oct. 30; Serial No. 481,798; published Aug. 21, 1945.

CLASS 33

Glassware and cooking glassware, Table. Coloso Limited. 417,521; Oct. 30; Serial No. 483,213; published Aug. 14, 1945.

CLASS 34

Boilers, Steel. Steel Boiler Institute, Inc. 417,557; Oct. 30; Serial No. 483,938; published Aug. 21, 1945.
 Candlesticks, Glass. Louis Alsenstein & Bros. 417,552; Oct. 30; Serial No. 483,806; published Aug. 14, 1945.
 Evaporators used as air conditioning equipment or parts thereof. Airkem, Inc. 417,565; Oct. 30; Serial No. 484,727; published Aug. 21, 1945.

Filters for use with heating, ventilating, and air conditioning equipment, Air. Research Products Corporation. 417,560; Oct. 30; Serial No. 484,102; published Aug. 14, 1945.

Furnaces, boilers, heating stoves, etc. Electro-King Mfg. Company. 417,450; Oct. 30; Serial No. 478,546; published Aug. 21, 1945.
 Furnaces, Oil-burner. Fairchester Oil Co. Inc. 417,566; Oct. 30; Serial No. 484,780; published Aug. 21, 1945.
 Shades and ceramic bases for lamps, Lamp. Jabson China Co. Inc. 417,525; Oct. 30; Serial No. 483,270; published Aug. 21, 1945.
 Stokers. Consolidated Industries, Inc. 417,561; Oct. 30; Serial No. 484,195; published Aug. 14, 1945.

CLASS 35

Hose, Fire. General Detroit Corporation. 417,543; Oct. 30; Serial No. 483,613; published Aug. 21, 1945.
 Tires, Resilient vehicle. Firestone Tire & Rubber Company. 201,750; renewed Aug. 4, 1945. O. G. Oct. 30.

CLASS 36

Instruments, Brass and wind. Martin Band Instrument Company, The. 417,583; Oct. 30.
 Pianos. Mason & Hamlin Co. 47,391; re-renewed Oct. 31, 1945. O. G. Oct. 30.
 Records, phonograph needles, non-electrical sound recording discs, Phonograph. Music City. 417,452; Oct. 30; Serial No. 478,891; published Aug. 14, 1945.

CLASS 37

Books, Continuous-sales-slip. Carter-Crume Co. Limited. 46,803; re-renewed Sept. 12, 1945. O. G. Oct. 30.
 Paper employed for packing butter, cheese, lard, etc. Paterson Parchment Paper Company. 45,874; re-renewed Aug. 29, 1945. O. G. Oct. 30.
 Paper products. J. Alexander. 417,480; Oct. 30; Serial No. 481,975; published Aug. 21, 1945.
 Stationery supplies. Interborough News Company. 206,323; renewed Nov. 24, 1945. O. G. Oct. 30.

CLASS 38

Books, Series of. William H. Wise & Co. Inc. 417,468; Oct. 30; Serial No. 481,168; published Aug. 7, 1945.
 Column in a periodical publication. C. W. Farrar. 417,501; Oct. 30; Serial No. 482,621; published Aug. 7, 1945.
 House organ, Monthly. McInerney Spring & Wire Company. 417,556; Oct. 30; Serial No. 483,909; published Aug. 14, 1945.
 Magazine. Bilbara Publishing Company, Inc. 417,443; Oct. 30; Serial No. 477,457; published Mar. 27, 1945.
 Magazine for young girls published quarterly. Parents' Institute, Inc. 417,550; Oct. 30; Serial No. 483,781; published Aug. 14, 1945.
 Magazine issued quarterly. M. L. J. Magazines. 417,477; Oct. 30; Serial No. 481,851; published Aug. 7, 1945.
 Periodical of house organ type. W. L. Maxson Corporation. 417,502; Oct. 30; Serial No. 482,091; published Aug. 14, 1945.
 Publication issued periodically. D. Kassel. 417,488; Oct. 30; Serial No. 482,330; published Aug. 7, 1945.

CLASS 39

Apparel, Ladies' wearing. Barbizon Corporation, The. 417,579; Oct. 30.
 Boots, shoes, and slippers. Scholl Manufacturing Company, Inc. 204,211; renewed Oct. 13, 1945. O. G. Oct. 30.
 Brassieres, girdles, garter belts, etc. E. G. Belaief. 417,473; Oct. 30; Serial No. 481,607; published Aug. 21, 1945.
 Coats, Ladies' fur. Schlussman & Gutman. 417,519; Oct. 30; Serial No. 483,155; published Aug. 21, 1945.
 Coats, vests, and trousers, Men's and boys' flannel. B. Kuppenheimer & Co. Inc. 206,294; renewed Nov. 24, 1945. O. G. Oct. 30.
 Coats, vests, trousers, and overcoats, Men's and boys'. B. Kuppenheimer & Co. Inc. 206,144; renewed Nov. 24, 1945. O. G. Oct. 30.
 Dresses for women and girls, also outer dress shirts for men and boys. S. Slater and Sons, Inc. 417,537; Oct. 30; Serial No. 483,492; published Aug. 21, 1945.
 Garments, play suits, sun suits, and rompers. Sleeping. B. P. Garrison. 417,522; Oct. 30; Serial No. 483,223; published Aug. 21, 1945.
 Hosiery. Fedden Brothers Company, Incorporated. 417,533; Oct. 30; Serial No. 483,471; published Aug. 21, 1945.
 Hosiery. Hanes Hosiery Incorporated. 417,496; Oct. 30; Serial No. 482,422; published Aug. 21, 1945.
 Jackets, blouses, and coats for men and women. Currick & Leiken, Inc. 417,422; Oct. 30; Serial No. 470,528; published Aug. 21, 1945.
 Jackets, Misses' and women's. J. Koret. 417,423; Oct. 30; Serial No. 470,979; published Aug. 21, 1945.
 Overcoats, Men's and youths'. B. Kuppenheimer & Co. Inc. 417,508; Oct. 30; Serial No. 482,881; published Aug. 21, 1945.

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Panties, slips, and pajamas, Children's and misses'. Style Undies, Inc. 417,510; Oct. 30; Serial No. 482,901; published Aug. 21, 1945.
 Slippers, Leather, rubber, or fabric. S. Goldberg & Co., Inc. 207,851; renewed Jan. 12, 1946. O. G. Oct. 30.

CLASS 40

Fabrics, Linen, cotton, and rayon. J. Dritz & Sons. 417,585; Oct. 30.
 Pads for garments, Shoulder. Mould-Fit Pad Co. 417,573; Oct. 30.
 Tape, Bias fold. J. C. Penney Company. 204,679; renewed Oct. 20, 1945. O. G. Oct. 30.

CLASS 42

Blankets, Cotton. Beacon Manufacturing Company. 207,312; renewed Dec. 29, 1945. O. G. Oct. 30.
 Cotton piece goods. Minot, Hooper & Co. 205,702; renewed Nov. 17, 1945. O. G. Oct. 30.
 Laces, Narrow fabric. Narrow Fabric Co., The. 204,580; renewed Oct. 20, 1945. O. G. Oct. 30.
 Piece goods of worsted and of worsted and cotton mixture. I. A. Wyner & Co., Inc. 204,482; renewed Oct. 20, 1945. O. G. Oct. 30.
 Sheetings. Minot, Hooper & Co. 48,159; re-renewed Dec. 12, 1945. O. G. Oct. 30.
 Towels. Carson Pirie Scott & Company. 202,521; renewed Aug. 25, 1945. O. G. Oct. 30.

CLASS 44

Driers for finger nail enamel, Electrical. Leon A. W. Perraud. 417,425; Oct. 30; Serial No. 471,455; published Aug. 21, 1945.
 Pads used as mattress protectors. R. H. Macy & Co., Inc. 205,115; renewed Nov. 3, 1945. O. G. Oct. 30.

CLASS 45

Beverage and sirup for making the same, Non-alcoholic, maltless carbonated. Moxie Company. 417,549; Oct. 30; Serial No. 483,733; published Aug. 14, 1945.
 Beverage, Nonalcoholic, maltless. Lla-Ora, Limited. 205,838; renewed Nov. 17, 1945. O. G. Oct. 30.
 Sirups, concentrates and extracts for beverage-mixing purposes, Fruit-flavored, non-alcoholic. Dell Products Corporation. 417,449; Oct. 30; Serial No. 478,503; published Aug. 14, 1945.
 Substitute for lemon juice. W. Fean. 417,435; Oct. 30; Serial No. 475,388; published Aug. 7, 1945.

CLASS 46

Baking-powder. Royal Baking Company. 48,077; re-renewed Dec. 5, 1945. O. G. Oct. 30.
 Biscuits. Bickiepegs Limited. 417,440; Oct. 30; Serial No. 477,000; published Aug. 21, 1945.
 Butterin or oleomargarin. Braun & Fitts, Inc. 48,908; re-renewed Jan. 16, 1946. O. G. Oct. 30.
 Butterin or oleomargarin. Braun & Fitts, Inc. 48,980; re-renewed Jan. 16, 1945. O. G. Oct. 30.
 Candies. Hawley & Hoops. 49,097; re-renewed Jan. 23, 1946. O. G. Oct. 30.
 Candy. Holbrooke Candies, Inc. 417,590; Oct. 30.
 Canned fish and canned squid. Hovden Food Products Corporation. 417,535; Oct. 30; Serial No. 483,479; published Aug. 21, 1945.
 Canned fruits and vegetables, fresh vegetables and fresh fruits. San Diego Packing Corporation. 417,413; Oct. 30; Serial No. 467,618; published Aug. 21, 1945.
 Canned sardines. African & Eastern Trading Co. Incorporated. 205,013; renewed Nov. 17, 1945. O. G. Oct. 30.
 Canned vegetables. R. J. Quartaroli. 417,564; Oct. 30; Serial No. 484,701; published Aug. 14, 1945.
 Catchup, canned strawberries, canned pears, etc., Tomato. Booth Packing Company. 204,437; renewed Oct. 20, 1945. O. G. Oct. 30.
 Cereal products. Pen Argyl Milling Company, Inc. 417,569; Oct. 30.
 Chiles and spiced pickled cucumbers, Pickled. Allied Foods. 417,410; Oct. 30; Serial No. 466,031; published Mar. 14, 1944.
 Corn flakes, Cooked and uncooked white. Patent Cereals Company. 208,082; renewed Jan. 19, 1946. O. G. Oct. 30.
 Dairy products—namely, ice-cream. Arden Farms Co. 417,441; Oct. 30; Serial No. 477,252; published Aug. 21, 1945.
 Drink, Breakfast. American Stores Company. 208,090; renewed Jan. 19, 1946. O. G. Oct. 30.
 Eggs. Swift & Company. 203,817; renewed Sept. 29, 1945. O. G. Oct. 30.
 Eggs. Swift & Company. 205,771; renewed Nov. 17, 1945. O. G. Oct. 30.
 Feed for animals. General Mills, Inc. 417,408; Oct. 30; Serial No. 450,395; published Aug. 14, 1945.
 Feeds, Poultry. Harper Feed Mills, Inc. 417,411; Oct. 30; Serial No. 467,095; published Aug. 21, 1945.
 Filling mix, tapioca, dessert mix, prepared mustard, etc., Pie. National Toilet Company. 417,562; Oct. 30; Serial No. 484,269; published Aug. 14, 1945.
 Fish and tuna fish. Bonito. Packing Products Company. 417,467; Oct. 30; Serial No. 481,156; published Aug. 21, 1945.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Flavoring for food purposes, Imitation. Rodell Laboratories, Inc. 417,563; Oct. 30; Serial No. 484,360; published Aug. 21, 1945.

Fruits, Fresh citrus. Orosi Foothill Citrus Association. 417,505; Oct. 30; Serial No. 482,811; published Aug. 21, 1945.

Juices and fresh citrus fruits, Citrus. McDonald and Olliff, Inc. 417,503; Oct. 30; Serial No. 482,753; published Aug. 21, 1945.

Lard and lard compound. Cudahy Packing Company. 49,170; re-renewed Jan. 23, 1946. O. G. Oct. 30.

Malted milk. Coffee. Continental Coffee Company. 417,437; Oct. 30; Serial No. 475,840; published Aug. 21, 1945.

Meal made principally from alfalfa leaf. Denver Alfalfa Milling & Products Co. 204,144; renewed Oct. 6, 1945. O. G. Oct. 30.

Meat extracts, meat essences, canned and bottled soups, etc. Brand & Company, Limited. 207,954; renewed Jan. 12, 1946. O. G. Oct. 30.

Melons. H. S. Speich. 207,971; renewed Jan. 12, 1946. O. G. Oct. 30.

Milk, Evaporated. Scientrol, Inc. 417,559; Oct. 30; Serial No. 483,990; published Aug. 21, 1945.

Oleaginous food substitute, Prepared fatty. John F. Jelke Company. 201,547; renewed July 28, 1945. O. G. Oct. 30.

Oleomargarine. John F. Jelke Company. 202,916; renewed Sept. 8, 1945. O. G. Oct. 30.

Oleomargarine. John F. Jelke Company. 204,084-6; renewed Oct. 6, 1945. O. G. Oct. 30.

Oleomargarine. John F. Jelke Company. 208,184-5; renewed Jan. 19, 1946. O. G. Oct. 30.

Pork and corned and cured beef, Fresh, salted, and smoked. Swift & Company. 203,859; renewed Sept. 29, 1945. O. G. Oct. 30.

Prunes and apricots dipped in honey, Dried. B. Spiegel. 417,529; Oct. 30; Serial No. 483,352; published Aug. 21, 1945.

Spread, Salad. E. L. Tebbetts. 417,469; Oct. 30; Serial No. 481,300; published Aug. 14, 1945.

Starch and particularly thin boiling starch, Edible. A. E. Staley Manufacturing Company. 417,426; Oct. 30; Serial No. 471,576; published Aug. 21, 1945.

Vegetables, Fresh. Half Moon Bay Growers Association. 417,451; Oct. 30; Serial No. 478,629; published Aug. 21, 1945.

Vegetables, Fresh. A. Zeitman. 417,517; Oct. 30; Serial No. 483,101; published Aug. 21, 1945.

Wheat-flour. Northwestern Consolidated Milling Company. 47,194-5; re-renewed Oct. 31, 1945. O. G. Oct. 30.

Wheat-flour. Northwestern Consolidated Milling Company. 47,197-8; re-renewed Oct. 31, 1945. O. G. Oct. 30.

Wheat-flour. Northwestern Consolidated Milling Company. 47,201-5; re-renewed Oct. 31, 1945. O. G. Oct. 30.

Wheat-flour. Northwestern Consolidated Milling Company. 47,207; re-renewed Oct. 31, 1945. O. G. Oct. 30.

CLASS 47

Cider diluted with aerated water. Idris Limited. 417,458; Oct. 30; Serial No. 479,517; published Aug. 14, 1945.

Wine, Port. Oscar J. Wile & Company. 417,431; Oct. 30; Serial No. 473,080; published Aug. 7, 1945.

Wines. Bohemian Distributing Company. 417,454; Oct. 30; Serial No. 479,062; published Aug. 7, 1945.

CLASS 48

Beer. Wausau Brewing Company. 417,412; Oct. 30; Serial No. 467,327; published Aug. 7, 1945.

Hop concentrate. C. A. Futter. 417,421; Oct. 30; Serial No. 470,445; published Aug. 7, 1945.

CLASS 49

Extracts for alcoholic liquors, Non-alcoholic flavoring. Lady Harriet Brands Company. 417,555; Oct. 30; Serial No. 483,859; published Aug. 7, 1945.

Liqueur. Overbrook Company, Inc. 417,523; Oct. 30; Serial No. 483,232; published Aug. 7, 1945.

Rum. Compania Agricola Indarra, S. A. 417,427; Oct. 30; Serial No. 471,944; published Aug. 14, 1945.

CLASS 50

Brooders, portable metal chick fountains, etc. Beacon Steel Products Co. 417,497; Oct. 30; Serial No. 482,456; published Aug. 14, 1945.

Composite materials, Anti-skid and friction. Process Manufacturing Company, The. 417,570; Oct. 30.

Felt, Flooring. Ruberoid Co., The. 417,578; Oct. 30.

Hangers, Garment. Parfait, Incorporated. 417,587-8; Oct. 30.

Kit, Marking. A. S. Rogers. 417,571; Oct. 30.

Matrices. Mergenthaler Linotype Company. 417,439; Oct. 30; Serial No. 475,964; published Aug. 14, 1945.

Textile fabric, Curtains of waterproofed and fireproofed. C. T. Lewis. 417,582; Oct. 30.

Wadding or battings, Fibrous. Johnson & Johnson. 417,444; Oct. 30; Serial No. 477,514; published Aug. 14, 1945.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 30TH DAY OF OCTOBER, 1945

NOTE—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Carrier Corporation: See—
Carrier, Willis H., assignor.
Carrier, Willis H., assignor to Carrier Corporation, Syracuse, N. Y. Valve arrangement. Re. 22,685; Oct. 30.

Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company. Brake cooling for centrifugals and the like. Re. 22,686; Oct. 30.
Western States Machine Company, The: See—
Roberts, Eugene, assignor.

LIST OF DESIGN PATENTEES

Allen, Raney R., Dayton, Ohio. Fishing reel. 142,686; Oct. 30.

Aluminum Cooking Utensil Company, The: See—
Keller, Nicholas W., assignor.

Ayres, Francis Lawrence, assignor to Stewart-Warner Corporation, Chicago, Ill. Oil bar. 142,687; Oct. 30.

Barnes, James F., trustee: See—
Reinecke, Jean O., assignor.

Bates, Edith E.: See—
Tiemeyer, M. E., and Bates.

Beebe, Edwin D., assignor to Rittter Company, Inc., Rochester, N. Y. Combined dental laboratory bench and cabinet. 142,688; Oct. 30.

Beebe, Edwin D., assignor to Rittter Company, Inc., Rochester, N. Y. Combined dental laboratory bench and cabinet. 142,689; Oct. 30.

Bieberbach, Frederick, assignor to Nordic Silver Co., Inc., New York, N. Y. Brooch pin or similar article. 142,690; Oct. 30.

Billingsley, William F., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 142,691; Oct. 30.

Blecher, Boris, Philadelphia, Pa. Ash tray. 142,692; Oct. 30.

Blecher, Boris, Philadelphia, Pa. Ash tray. 142,693; Oct. 30.

Blecher, Boris, Philadelphia, Pa. Ash tray. 142,694; Oct. 30.

Blecher, Boris, Philadelphia, Pa. Condiment shaker or similar article. 142,695; Oct. 30.

Blecher, Boris, Philadelphia, Pa. Condiment shaker or similar article. 142,696; Oct. 30.

Blecher, Boris, Philadelphia, Pa. Condiment shaker or similar article. 142,697; Oct. 30.

Blecher, Boris, Philadelphia, Pa. Condiment shaker or similar article. 142,698; Oct. 30.

Brainard, George C., Youngstown, Ohio, and R. Loewy, New York, N. Y., assignors to The General Fireproofing Company, Youngstown, Ohio. Desk. 142,699; Oct. 30.

Breckenridge, William K.: See—
Parkin, J. C., and Bucholtz, assignors.

Brosnan Jewelry Company, Inc.: See—
Colp, Blanche, assignor.

Bucholtz, Stephen A.: See—
Parkin, J. C., and Bucholtz.

Calabrese, Gio, Brooklyn, N. Y. Combination desk unit. 142,700; Oct. 30.

Campbell, William J., Indianapolis, Ind., assignor to Specialty Equipment Corporation. Lighter. 142,701; Oct. 30.

Cartier, Inc.: See—
Graeter, Harold, assignor.

Cohen, Fannie, Tulsa, Okla. Hospital garment. 142,702; Oct. 30.

Collins, Edward J., West Los Angeles, Calif., assignor to R. T. Moloney, Chicago, Ill. Valve. 142,703; Oct. 30.

Colp, Blanche, assignor to Brosnan Jewelry Company, Inc., New York, N. Y. Pin or similar article. 142,704; Oct. 30.

Dawer, Sigmund, New York, N. Y. Cigarette case or similar article. 142,705; Oct. 30.

Deutz, Marie M., New York, N. Y. Handbag. 142,706; Oct. 30.

Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Single spindle automatic metal working machine. 142,707; Oct. 30.

Ebling, Irvin C., Cincinnati, Ohio. Child's swing seat. 142,708; Oct. 30.

Eby, Milward C. E., Montreal, Quebec, Canada. Doll. 142,709; Oct. 30.

Ferris, Victor W., Venice, Calif. Milk can cover or similar article. 142,710; Oct. 30.

Fosgood Corporation: See—
Foster, Joseph C., assignor.

Foster, Joseph C., assignor to Fosgood Corporation, Leominster, Mass. Comb or the like. 142,711; Oct. 30.

Gendron Wheel Company: See—
Rideout, John G., assignor.

General Fireproofing Company, The: See—
Brainard, G. C., and Loewy, assignors.

Gilchrist, Llewellyn, San Francisco, Calif. Kettle. 142,712; Oct. 30.

Goodrich, B. F., Company, The: See—
Billingsley, William F., assignor.

Graeter, Harold, Sherman, Conn., assignor to Cartier, Inc., New York, N. Y. Combined bracelet and watch. 142,713; Oct. 30.

Helander, Lillian V. M., assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 142,714; Oct. 30.

International Silver Company: See—
Helander, Lillian V. M., assignor.

Keller, Ernest, Trenton, N. J. Refrigerator cabinet. 142,715; Oct. 30.

Keller, Nicholas W., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa. Pressure cooker. 142,716; Oct. 30.

Keller, Nicholas W., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa. Relief valve for pressure cookers or the like. 142,717; Oct. 30.

Kirsch, Hyman S., Woodmere, N. Y. Combined identification tag and money clip. 142,718; Oct. 30.

Kissling, Edmund D., New York, N. Y. Picture frame or the like. 142,719; Oct. 30.

Kissling, Edmund D., New York, N. Y. Reversible picture frame or the like. 142,720; Oct. 30.

Lawson, George S., St. Clair Shores, Mich., assignor to Sloan Valve Company, Chicago, Ill. Flush valve housing. 142,721; Oct. 30.

Liberty Glass Company: See—
Stackpole, Elmer K., assignor.

Loewy, Raymond: See—
Brainard, G. C., and Loewy.

Lytle, Earl J., assignor of one-half to C. J. McGraw, Los Angeles, Calif. Ash tray. 142,722; Oct. 30.

McGraw, Charles J.: See—
Lytle, Earl J., assignor.

Meyer, Maximilian C., Brooklyn, N. Y. Baseball game device. 142,723; Oct. 30.

Migliaccio, Christopher L., Providence, R. I. Pin. 142,724; Oct. 30.

Moloney, Raymond T.: See—
Collins, Edward J., assignor.

Morrow, Frank, Scituate, R. I. Jewelry pin or similar article. 142,725; Oct. 30.

Morrow, Frank, Johnston, R. I. Jewelry pin or similar article. 142,726; Oct. 30.

Morrow, Frank, Johnston, R. I. Jewelry pin or similar article. 142,727; Oct. 30.

Morrow, Frank, Johnston, R. I. Jewelry pin or similar article. 142,728; Oct. 30.

Morrow, Frank, Johnston, R. I. Jewelry pin or similar article. 142,729; Oct. 30.

Morrow, Frank, Johnston, R. I. Jewelry pin or similar article. 142,730; Oct. 30.

Morrow, Frank, Johnston, R. I. Jewelry pin or similar article. 142,731; Oct. 30.

Morrow, Frank, Johnston, R. I. Jewelry pin or similar article. 142,732; Oct. 30.

Morrow, Frank, Johnston, R. I. Jewelry pin or similar article. 142,733; Oct. 30.

Morrow, Frank, Johnston, R. I. Jewelry pin or similar article. 142,734; Oct. 30.

Morrow, Frank, Johnston, R. I. Jewelry pin or similar article. 142,735; Oct. 30.

Morrow, Frank, Johnston, R. I. Earring. 142,736; Oct. 30.

National Acme Company, The: See—
Drissner, Alfred E., assignor.

LIST OF DESIGN PATENTEEES

Nordic Silver Co., Inc.: *See*—
Bieberbach, Frederick, assignor.
Norris, William A., Alhambra, Calif. Humidifier.
142,737; Oct. 30.
Parkin, John C., Snyder, and S. A. Bucholtz, assignors of
one-third to W. K. Breckenridge, Buffalo, N. Y. Motor
vehicle. 142,738; Oct. 30.
Phinney, William E., Milton, N. H. Welting. 142,739;
Oct. 30.
Phinney, William E., Milton, N. H. Welting. 142,740;
Oct. 30.
Pratt, Merritt C., U. S. Army, Chicago, Ill. Combined
pistol holster and knife scabbard. 142,741; Oct. 30.
Reinecke, Jean O., Chicago, Ill., assignor to J. F. Barnes,
as trustee. Telephone stand. 142,742; Oct. 30.
Rice, Ethel M.: *See*—
Stevens, M. M., and Rice.
Rideout, John G., Chagrin Falls, assignor to Gendron
Wheel Company, Perrysburg, Ohio. Frame for an
invalid wheel chair. 142,743; Oct. 30.
Ritter Company, Inc.: *See*—
Beebe, Edwin D., assignor.
Shatkin, Aaron: *See*—
Shatkin, Rubin, assignor.
Shatkin, Rubin, Brooklyn, N. Y., assignor to A. Shatkin,
Matawan, N. J. Salt shaker or the like. 142,744;
Oct. 30.
Sloan Valve Company: *See*—
Lawson, George S., assignor.
Smith, Donald J., Los Angeles, Calif. Book end.
142,745; Oct. 30.
Specialty Equipment Corporation: *See*—
Campbell, William J., assignor.
Stackpole, Elmer R., assignor to Liberty Glass Company,
Sapulpa, Okla. Beverage bottle. 142,746; Oct. 30.
Stevens, Mary M., Rye, N. Y., and E. M. Rice, Lynn, Mass.
Doll or similar article. 142,747; Oct. 30.

Stevens, Mary M., Rye, N. Y., and E. M. Rice, Lynn, Mass.
Doll or similar article. 142,748; Oct. 30.
Stewart-Warner Corporation: *See*—
Ayres, Francis L., assignor.
Thonet Brothers, Inc.: *See*—
Weill, Bruno R., assignor.
Tiemeyer, Myrtle E., and E. E. Bates, St. Louis, Mo.
Baby shoe. 142,749; Oct. 30.
Tournau, Henry K., New York, N. Y. Display case.
142,750; Oct. 30.
Tully, Joseph, Toronto, Ontario, Canada. Writing tip
section of a fountain pen. 142,751; Oct. 30.
Tyler Fixture Corporation: *See*—
Tyler, Jerry, assignor.
Tyler, Jerry, assignor to Tyler Fixture Corporation, Niles,
Mich. Produce display stand. 142,752; Oct. 30.
Vasquez, John G., Hartford, Conn. Combined ash tray
and holder for smokers' articles. 142,753; Oct. 30.
Wandt, Carl, New York, N. Y. Lapel ornament or similar
article. 142,754; Oct. 30.
Weill, Bruno R., Statesville, N. C., assignor to Thonet
Brothers, Inc., New York, N. Y. Chair or similar ar-
ticle. 142,755; Oct. 30.
Williams, James D., Jr., Leavenworth, Ind. Toilet seat.
142,755; Oct. 30.
Winslow, Samuel J., Providence, R. I. Hand mirror.
142,756; Oct. 30.
Winslow, Samuel J., Providence, R. I. Round-the-neck
mirror. 142,759; Oct. 30.
Woriman, Grant, Chicago, Ill. Place card holder.
142,757; Oct. 30.
Wyse, Harold G., Dayton, Ohio. Tobacco pipe. 142,760;
Oct. 30.
Zeller, Christian, Morton, Ill. Tractor cab. 142,761;
Oct. 30.

LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 30TH DAY OF OCTOBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. B. C. Steel Equipment Co., Inc.: *See*—
Brownlie, J., and Gerstenzang, assignors.
Abel, Charles F. and A. I. Lodwick, Lakeland, Fla. Glider.
2,388,109; Oct. 30.
Acme Aluminum Alloys, Inc.: *See*—
Cooper, Hugh S., assignor.
Adams, Dock, Whitesburg, Ky. Tape measuring and
marking machine. 2,387,867; Oct. 30.
Agriculture of the United States of America, and to his
successors in office, Claude R. Wickard, Secretary of:
See—
Butz, Lewis W., assignor.
Air Reduction Company, Incorporated: *See*—
Tyrner, Joseph M., assignor.
Aktiengesellschaft Brown, Boveri & Cie: *See*—
Giger, Walter, assignor.
Albertson, Jonathan Y.: *See*—
Sonnenborn, J. R., and Albertson.
Albrecht, Lewis, Mahwah, N. J. Supporting column for
tanks and the like. 2,387,969; Oct. 30.
Alderson, Witty L., Jr., assignor to E. I. du Pont de
Nemours & Company, Wilmington, Del. Obtaining
cork-like products from polymers of ethylene. 2,387,730;
Oct. 30.
Alexander, Paul, Berkhamsted, England. Thermal deposi-
tion of metals in a vacuum. 2,387,970; Oct. 30.
Allen Property Custodian: *See*—
Conradty, Ottmar.
Pier, M., Free, and v. Fuener, assignors.
Salomon, Francois M. M. B., assignor.
Allen, John G., Forest Hills, N. Y., assignor to Phillips
Petroleum Company. Manufacture of diolefins.
2,387,731; Oct. 30.
Allied Chemical & Dye Corporation: *See*—
Clark, Charles R., assignor.
Aluminum Company of America: *See*—
Tilson, Donald H., assignor.
American Can Company: *See*—
Bierman, George H., assignor.
Moore, James A., assignor.
Nordquist, Ronald E. J., assignor.
American Car and Foundry Company: *See*—
Schroeder, Ernest R., assignor.
American Cyanamid Company: *See*—
Davis, Arnold R., assignor.
Dixon, James K., assignor.
Harris, Raymond R., assignor.
Hull, Washington, assignor.
Kropa, Edward L., assignor.
Lecher, H. Z., and Goulding, assignors.
Pickens, Roy A., assignor.
Ripper, Kurt E., assignor.
Walker, Godfrey B., assignor.
American District Telegraph Company: *See*—
Evans, Francis C., assignor.
American Flange & Manufacturing Co., Inc.: *See*—
Grosser, Walter C., assignor.
American Optical Company: *See*—
Baratelli, C. A., Bernheim, and Lown, assignors.
Bernheim, D. P., Splaine, Lehmborg, Lown, and Bara-
telli, assignors.
Guellich, Gustav E., assignor.
Lehmborg, W. H., Baratelli, and Lown, assignors.
Lown, W., and Baratelli, assignors.
Reardon, J. D., and Gottlieb, assignors.
Splaine, Edward M., assignor.
American Paper Bottle Company, The: *See*—
Monroe, Charles Z., assignor.
American Steel Foundries: *See*—
Light, David M., assignor.
American Telephone and Telegraph Company et al.: *See*—
Gardner, L. A., and Richards, assignors.
American Viscose Corporation: *See*—
McDermott, Henry J., assignor.
Anderson, John, Berkeley, S. H. McAllister, Lafayette,
and W. E. Ross, Berkeley, assignors to Shell Develop-
ment Company, San Francisco, Calif. Isomerization
of hydrocarbons. 2,387,868; Oct. 30.
Andres, William J.: *See*—
Sanford, R. S., and Andres.
Antiseptol Company, Inc.: *See*—
McDow, Everett E., assignor.
Armitage, Joseph B., Wauwatosa, and O. W. Barker, K. A.
Riedel, and F. D. Boehmer, Milwaukee, assignors to
Kearney & Trecker Corporation, West Allis, Wis. Ma-
chine tool. 2,387,820; Oct. 30.
Armstrong, C. M., Inc.: *See*—
Block, Richard J., assignor.

Arnheim, Albert A., Los Angeles, assignor to Solar Air-
craft Company, San Diego, Calif. Spill for aircraft.
2,387,708; Oct. 30.
Arrington, Conrad J., Winnsboro, S. C., assignor to United
States Rubber Company, New York, N. Y. Tension
control mechanism. 2,387,869; Oct. 30.
Ashlock, George W., Jr., Oakland, Calif. Orientation of
fruit. 2,387,709; Oct. 30.
Aspin, Frank M., Bury, and F. Ellinghouse, Solihull, Eng-
land. Cylinder liner and cylinder. 2,387,971; Oct. 30.
Aspin, Frank M., Bury, England. Cylinder head of in-
ternal-combustion engines. 2,387,972; Oct. 30.
Aspin, Frank M., Bury, England. Internal-combustion
engine. 2,387,973; Oct. 30.
Atherton, Neil F., Wooddale, assignor to M. P. Heinze
Machine Co., Chicago, Ill. Toy horse. 2,388,110;
Oct. 30.
Atlas Powder Company: *See*—
Goepp, Rudolph M., Jr., assignor.
Soltzberg, Sol, assignor.
Automatic Electric Laboratories, Inc.: *See*—
Grandstaff, Otho D., assignor.
Avery, Harold T., Oakland, Calif., assignor to Marchant
Calculating Machine Company. Actuating mechanism
for registers. 2,387,870; Oct. 30.
Ayers, Fred L., Watertown, Mass. Innersole. 2,387,710;
Oct. 30.
Babcock & Wilcox Company, The: *See*—
Kessler, George W., assignor.
Bailey, Delbert F., Toronto, Ontario, Canada. Vehicle
spring suspension. 2,387,732; Oct. 30.
Balton, Charles A., Buffalo, N. Y., assignor to Sav-way
Industries, Detroit, Mich. Quick-acting control valve.
2,387,733; Oct. 30.
Baratelli, Charles A.: *See*—
Bernheim, D. P., Splaine, Lehmborg, Lown, and
Baratelli.
Lehmborg, W. H., Baratelli, and Lown.
Lown, W., and Baratelli.
Baratelli, Charles A., Cambridge, D. P. Bernheim, South-
bridge, and W. Lown, Boston, assignors to American
Optical Company, Southbridge, Mass. Eye protection
means. 2,387,821; Oct. 30.
Barber, Theodore C., Burbank, Calif. Air scoop for air-
plane engines. 2,388,028; Oct. 30.
Barclay, Spencer H., Arlington, N. J. Sound distributor.
2,387,974; Oct. 30.
Barker, Orrin W.: *See*—
Armitage, J. B., Barker, Riedel, and Boehmer.
Barnes, Julian L.: *See*—
Patterson, W. S., and Barnes.
Barnes Motor Developments Company: *See*—
Barnes, William B., assignor.
Barnes, William B., assignor to Barnes Motor Develop-
ments Company, Muncie, Ind. Planetary transmission.
2,388,204; Oct. 30.
Barnsteiner, Alfons, Mansfield, Ohio, assignor to West-
inghouse Electric Corporation, East Pittsburgh, Pa.
Heating apparatus. 2,387,734; Oct. 30.
Barr, Russell L., Elmira, N. Y. Brake mechanism.
2,387,711; Oct. 30.
Barr and Stroud, Limited: *See*—
French, James W., assignor.
Basky, Matthew F., Ottawa, Ill. Hair curler. 2,387,822;
Oct. 30.
Bates, Clifford V., Chicago, Ill. Lighting fixture.
2,388,029; Oct. 30.
Bauman, William C.: *See*—
Grebe, J. J., and Bauman.
Baumann, Roger C., West Memphis, Ark. Automatic
coffee brewer or maker. 2,387,871; Oct. 30.
Beaudoin, Francois, Saint Evariste, Quebec, Canada.
Wool carding machine. 2,388,030; Oct. 30.
Behrman, Abraham S., Chicago, Ill., assignor to Inflico
Incorporated. Purification of sugar solutions.
2,388,222; Oct. 30.
Behrman, Abraham S., assignor to Inflico Incorporated,
Chicago, Ill. Purification of sugar solutions and the
like. 2,388,223; Oct. 30.
Behrman, Abraham S., assignor to Inflico Incorporated,
Chicago, Ill. Purification of sugar solutions. 2,388,224;
Oct. 30.
Bel Geddes, Norman: *See*—
Wales, N. B., and Bel Geddes.
Bel Geddes, Norman, and Company: *See*—
Wales, N., and Bel Geddes, assignors.
Bell, Herbert A.: *See*—
Goode, Joseph T., assignor.
Bell & Howell Company, The: *See*—
Stechbart, Bruno, assignor.

Bell, Maurice E., Cambridge, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Treatment of bearing surfaces with lubricants. 2,387,872; Oct. 30.

Bell Telephone Laboratories, Incorporated: *See—*
Biggs, Burnard S., assignor.
Black, Harold S., assignor.
Bond, Walter L., assignor.
Curran, Stanley T., assignor.
Frosch, Carl J., assignor.
Gardner, L. A., and Richards, assignors.
Harry, William R., assignor.
Miller, Charles G., assignor.
Bendix Aviation Corporation: *See—*
Elkin, Manuel H., assignor.
Kearney, Daniel P., assignor.
Mock, Frank C., assignor.
Noxon, Paul A., assignor.
Price, Earl R., assignor.
Bendix-Westinghouse Automotive Air Brake Company: *See—*
Eaton, Wilfred A., assignor.
Sanford, R. S., and Andres, assignors.
Bennett, Alva H., Kenmore, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Optical system. 2,388,031; Oct. 30.
Bennett, Alva H., Kenmore, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Optical system. 2,388,032; Oct. 30.
Bennett, John E., San Francisco, Calif. Fruit and vegetable juicer. 2,387,975; Oct. 30.
Bergmann, Rudolph C.: *See—*
Elman, H. K., and Bergmann.
Berman, David, assignor of one-half to M. Makransky, Brooklyn, N. Y. Sanitary fluid dispensing device. 2,388,111; Oct. 30.
Bernheim, Daniel P.: *See—*
Baratelli, C. A., Bernheim, and Lown.
Bernheim, Daniel P., and E. M. Splaine, Southbridge, W. H. Lehmberg, Newton, W. Lown, Boston, and C. A. Baratelli, Cambridge, assignors to American Optical Company, Southbridge, Mass. Eye protection means. 2,388,205; Oct. 30.
Berninger, Kenneth L., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Flasher switch. 2,388,033; Oct. 30.
Berry, Le Roy E., Stockton, Calif. Dry cleaning machine. 2,387,823; Oct. 30.
Bersworth, Frederick C., Verona, assignor to The Martin Dennis Company, Newark, N. J. Forming carboxylic amino acids. 2,387,735; Oct. 30.
Bersworth, Frederick C., Verona, assignor to The Martin Dennis Company, Newark, N. J. Forming carboxylic substituted amines. 2,387,976; Oct. 30.
Bethlehem Steel Company: *See—*
Murphy, Donald W., assignor.
Bierman, George H., River Forest, Ill., assignor to American Can Company, New York, N. Y. Pump device for machines for applying coating material to articles moving in processions. 2,387,736; Oct. 30.
Biggs, Burnard S., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Production of primary and secondary amines. 2,388,034; Oct. 30.
Bingham, David W., Middle Brighton, Victoria, Australia. Apparatus for filling containers with liquids, pastes, or discrete material. 2,388,036; Oct. 30.
Black, Eric A., Red Bank, N. J. Tensiometer. 2,387,737; Oct. 30.
Black, Harold S., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission system. 2,387,712; Oct. 30.
Black, James B., and W. F. Shurts, Rockford, Ill., assignors to Twin Disc Clutch Company, Racine, Wis. Method and apparatus for cooling hydraulic coupling brakes. 2,388,112; Oct. 30.
Blackie, John S., Santa Cruz, Calif. Ditching machine. 2,387,977; Oct. 30.
Block, Richard J., Scarsdale, N. Y., assignor to C. M. Armstrong, Inc. Amino acid separation. 2,387,824; Oct. 30.
Boehmer, Francis D.: *See—*
Armitage, J. B., Barker, Riedel, and Boehmer.
Bogoslovsky, Boris, Jackson Heights, N. Y. Collapsible tube. 2,387,738; Oct. 30.
Bolesky, John D., assignor to Metals & Controls Corporation, Attleboro, Mass. Control device. 2,388,113; Oct. 30.
Bond, Walter L., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Conoscope and using the same. 2,387,825; Oct. 30.
Bone, Herbert L., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating mechanism. 2,387,826; Oct. 30.
Boon, William R., and A. R. Lowe, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Secondary diamines. 2,387,873; Oct. 30.
Borden Mfg. Co., Inc.: *See—*
Donnelly, Thomas S., Jr., assignor.
Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Core oil. 2,387,827; Oct. 30.

Boucher and Kelsor Company: *See—*
Kelsor, Russell W., assignor.
Boulton, Harry L., and A. B. Savage, assignors to The Dow Chemical Company, Midland, Mich. Release agent for film-casting and embossing operations. 2,388,206; Oct. 30.
Bowerston Shale Company, The: *See—*
Demuth, Wilbur O., assignor.
Boyce, Eugene L.: *See—*
Loewe, P. L., and Boyce.
Boyce, Malcolm B., Haverhill, Mass. Lubrication of automotive tires. 2,388,114; Oct. 30.
Brackett, Ralph T.: *See—*
Crews, Herman A., assignor.
Bradford, Zerbe C., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Actuator. 2,387,713; Oct. 30.
Bradley Equipment Company: *See—*
Bradley, Ralph A., assignor.
Bradley, Ralph A., Minneapolis, assignor to Bradley Equipment Company, St. Paul, Minn. Load bearing spring assembly for trucks or the like. 2,387,874; Oct. 30.
Bradt, Charles H., Groton, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Duplicating machine. 2,387,739; Oct. 30.
Bradt, Charles H., Groton, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Duplicating machine. 2,387,740; Oct. 30.
Brams, Stewart L., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Rubber composition and making same. 2,388,037; Oct. 30.
Brann, Mark, Arcadia, Fla. Navigation trainer. 2,387,875; Oct. 30.
Braun, Karl J., North Merrick, and O. E. Kase, Valley Stream, assignors to Remington Rand Inc., Buffalo, N. Y. Punching mechanism. 2,387,828; Oct. 30.
Briggs Claesfer Company: *See—*
Briggs, Southwick W., assignor.
Briggs, Southwick W., assignor to Briggs Claesfer Company, Washington, D. C. Adsorbent, making and using same. 2,387,714; Oct. 30.
Briggs, Thomas H. and W. H., assignors to Burman & Sons Limited, Birmingham, England. Vehicle steering mechanism. 2,388,038; Oct. 30.
Briggs, Walter H.: *See—*
Briggs, Thomas H. and W. H.
Bright, Oscar L., Indianapolis, Ind., assignor to United States Rubber Company, New York, N. Y. Cutting device. 2,387,876; Oct. 30.
Broberg, Fred E., Racine, Wis. Sharpening device. 2,387,877; Oct. 30.
Brooks, Percy E., Woodridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Die. 2,388,115; Oct. 30.
Brooks, Richard E., Wilmington, M. D. Peterson, Edgemoor, Terrace, and A. G. Weber, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing olefinic materials. 2,388,225; Oct. 30.
Brown, William D., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Apparatus for determining hydrogen in steel. 2,387,878; Oct. 30.
Brownlie, John, Freeport, and R. Gerstenzang, Brooklyn, N. Y., assignors to A. B. C. Steel Equipment Co., Inc., New York, N. Y. Portable parts cabinet. 2,387,741; Oct. 30.
Bruderlin, Henry H., Hermosa Beach, Calif. Signal translating device. 2,388,116; Oct. 30.
Buchanan, Edward D., Lorain, Ohio, assignor to National Tube Company. Pipe coupler. 2,388,117; Oct. 30.
Budd Induction Heating, Inc.: *See—*
Somes, Howard E., assignor.
Burch, Cecil R., Nailsea, Bristol, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Lens. 2,388,118; Oct. 30.
Burch, Cecil R., Nailsea, Bristol, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Lens. 2,388,119; Oct. 30.
Burkhart, Oliver R., et al.: *See—*
Gruener, William P., assignor.
Burkhart, Walter H., et al.: *See—*
Gruener, William P., assignor.
Burman & Sons Limited: *See—*
Briggs, Thomas H. and W. H., assignors.
Burnham, John, North Adams, and J. L. Hyde, Williamstown, assignors to Sprague Electric Company, North Adams, Mass. Electrical apparatus. 2,387,829; Oct. 30.
Burrows, Lawton A., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosion rivet. 2,387,742; Oct. 30.
Burtner, Robert R., Niles Center, assignor to G. D. Searle & Co., Chicago, Ill. Piperidinol esters as antispasmodic agents. 2,387,879; Oct. 30.
Busk, Robert S., assignor to The Dow Chemical Company, Midland, Mich. Heat-treating magnesium alloys. 2,388,120; Oct. 30.
Butz, Lewis W., Beltsville, Md., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Non-benzenoid fused polycyclic compounds. 2,387,830; Oct. 30.

Cadwell, Charles A., Cleveland Heights, assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Welding materials and processes. 2,387,715; Oct. 30.
Cameron, Allan M., River Forest, and V. Lelinski, assignors to Cameron Can Machinery Co., Chicago, Ill. Can testing machine. 2,387,743; Oct. 30.
Cameron Can Machinery Co.: *See—*
Cameron, A. M., and Lelinski, assignors.
Campbell, Ernest F.: *See—*
Stanton, A. J., and Campbell.
Campbell, George D., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Construction for glass melting tanks. 2,387,880; Oct. 30.
Carbide and Chemicals Corporation: *See—*
Cogan, H. D., and Quarles, assignors.
Carbonneau, Gordon S., Park Ridge, assignor to Utah Radio Products Company, Chicago, Ill. Tension control device. 2,388,121; Oct. 30.
Carlson, Adolphe E., Glendale, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Film exposing apparatus. 2,387,881; Oct. 30.
Carnegie-Illinois Steel Corporation: *See—*
Brown, William D., assignor.
Egge, Klaus, assignor.
Hedges, Don F., assignor.
Carpenter, Arley D.: *See—*
Slater, C. A., Carpenter, and Shaw.
Carpenter, Morris T.: *See—*
Kubicek, N. F., and Carpenter.
Casablancas High Draft Company Limited: *See—*
Noguera, Joseph, assignor.
Case, J. I., Company: *See—*
Heth, Sherman C., assignor.
Casey, Terrance B., Ashland, Ky. Closure for vessels. 2,387,978; Oct. 30.
Catt, Otto L., Oakland, Calif. Scissors and shears sharpener. 2,388,039; Oct. 30.
Celanese Corporation of America: *See—*
Dreyfus, Henry, assignor.
Champion Spark Plug Company: *See—*
Riddle, Frank H., assignor.
Chance, Franklin S.: *See—*
McAlvey, A., Strain, and Chance.
Chilton, William E., Shaker Heights, Ohio. Braking system for automotive vehicles. 2,387,716; Oct. 30.
Chromogen, Incorporated: *See—*
Gaspard, Bela, assignor.
Chubb, Lewis W., Jr., trustee: *See—*
Smith, Robert A., assignor.
Clapp, George L., U. S. Army, Pasco, Wash. Fork lift truck. 2,387,744; Oct. 30.
Clark, Charles R., Springfield Township, Montgomery County, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Recovering toluene. 2,388,040; Oct. 30.
Clark Equipment Company: *See—*
Williams, Alfred O., assignor.
Clark, Walter G., Los Angeles, Calif., assignor to Clark-Iron, Inc. Process and apparatus for roasting and reducing iron oxide and other oxide ores. 2,387,882; Oct. 30.
Clarke, Alfred E.: *See—*
Dimsdale, W. H., and Clarke.
Clarkson, Inc.: *See—*
Clark, Walter G., assignor.
Clarkson, Allick, Bloomingdale Township, Du Page County, Ill. Steam quality controller. 2,387,717; Oct. 30.
Clean-ite Chemical Co.: *See—*
Raymond, Sydney A., assignor.
Cogan, Howard D., and R. W. Quarles, Pittsburgh, Pa. Assignors to Carbide and Chemicals Corporation. Plastic composition containing polyvinyl partial acetal resins. 2,387,831; Oct. 30.
Colbert, William H., Brackenridge, Pa., and W. L. Morgan, Columbus, assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Mirror and reflector. 2,387,745; Oct. 30.
Colbeth, Ivor M., Maplewood, N. J. Treating organic compounds to produce drying products. 2,388,122; Oct. 30.
Colgate-Palmolive-Peet Company: *See—*
Kirschenbauer, Hans G., assignor.
Coleman, Clarence E., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Extrusion apparatus. 2,387,718; Oct. 30.
Coleman Lamp and Stove Company, The: *See—*
Olds, Ambrose D., assignor.
Colton, Henry S., Cleveland, Ohio, R. L. Knowles, Bronxville, N. Y., and R. W. Frischmuth, Cleveland, Ohio. Producing sodium and potassium phosphates. 2,387,746; Oct. 30.
Columbus McKinnon Chain Corporation: *See—*
Parker, Humphrey F., assignor.
Combustion Engineering Company, Inc.: *See—*
Patterson, W. S., and Barnes, assignors.
Conradty, Ottmar, Rothenbach on the Pegnitz, Germany; vested in the Alien Property Custodian. Carbon brake body and metal holder unit. 2,388,123; Oct. 30.
Consolidated Engineering Corporation: *See—*
Washburn, Harold W., assignor.

Consolidated Sewing Machine & Supply Co. Inc.: *See—*
Ingwer, M., and Schwarz, assignors.
Cooney, John R., Waldoboro, Maine. Reproduction of sound. 2,387,832; Oct. 30.
Cooper, Hugh S., Cleveland, assignor, by direct and mesne assignments, to Acme Aluminum Alloys, Inc., Dayton, Ohio. Reducing magnesium oxide. 2,387,979; Oct. 30.
Cooper, Hugh S., Cleveland, Ohio. Electrical resistance alloys. 2,387,980; Oct. 30.
Corporacion Peruna del Amazonas: *See—*
Garriga, José M., assignor.
Cowley, Benjamin C., Shrewsbury, Mass. Machine for and method of making filled capsules. 2,387,747; Oct. 30.
Cox, Joseph H.: *See—*
Rose, H. A., and Cox.
Craig, David, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Extraction of butadiene. 2,388,041; Oct. 30.
Crawford, Weldon L.: *See—*
Rogers, S. D., Rudolph, and Crawford.
Crews, Herman A., Chicago, assignors of one-half to R. T. Brackett, Winnetka, Ill. Burner control. 2,388,124; Oct. 30.
Cuddigan, Bartholomew O., Wadena, and J. F. Wirth, Minneapolis, Minn. Garden tool. 2,387,748; Oct. 30.
Curran, Stanley T., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Key-equipped telephone set. 2,387,719; Oct. 30.
Dahle, Joseph, West Newton, assignor, by mesne assignments, to Pro-phy-lactic Brush Company, Northampton, Mass. Polymeric acetals and making same. 2,387,833; Oct. 30.
Dally, Robert A., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Sealing storage batteries. 2,388,042; Oct. 30.
Dake, George E., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Heating apparatus. 2,387,883; Oct. 30.
Daniels, Robert C., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Hydrolyzing fats. 2,387,884; Oct. 30.
Darnell, Richard C., Champaign, Ill. Director trainer. 2,387,749; Oct. 30.
Davidson Manufacturing Corporation: *See—*
Davidson, William W., assignor.
Davidson, William W., Evanston, Ill., assignor to Davidson Manufacturing Corporation. Printing press. 2,387,750; Oct. 30.
Davis, Arnold R., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Rubber accelerator. 2,387,834; Oct. 30.
Davis, Cecil C., assignor of one-half to F. J. Gobble, Bristol, Tenn. Safety chuck key. 2,387,981; Oct. 30.
Davis, Frank L., College Point, Long Island, N. Y. Self-threading screw. 2,387,720; Oct. 30.
Davis, Frederick R. J., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Armature construction for dynamo-electric machines. 2,387,885; Oct. 30.
Day, Roger O., Westfield, and B. L. Gordon, Montclair, N. J., assignors to The Linde Air Products Company. Method of and apparatus for heat-treating metal bodies. 2,387,835; Oct. 30.
De Bruin, Peter, Monterey Park, Calif. Swing bracket. 2,387,721; Oct. 30.
Demuth, Wilbur O., Gnadenhutten, assignor to The Bowerston Shale Corporation, Bowerston, Ohio. Container holder. 2,387,982; Oct. 30.
Denison, Noel M., assignor to C. Earl Hovey, Kansas City, Mo., trustee. Cap detector for automatic bottle vending machines. 2,388,125; Oct. 30.
Dennis, Martin, Company, The: *See—*
Bersworth, Frederick C., assignor.
Derungs, Ernest A., Le Locle, Switzerland. Selecting control device. 2,388,043; Oct. 30.
Detroit Aluminum & Brass Corp.: *See—*
Strickland, R. L., and Segall, assignors.
Detroit Lubricator Company: *See—*
Russell, Philip S., assignor.
Dettie, Lawrence E., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Apparatus for coating record blanks. 2,388,126; Oct. 30.
Devine, J. E., et al.: *See—*
Ellis, Clarence M., assignor.
Devitt, Matthew W. M.: *See—*
Sargent, R. E., and Devitt.
Devol, Manson L., Wilkinsburg, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Forming glass sheets. 2,387,866; Oct. 30.
Dickenson, Ernest H., assignor to Ingersoll-Rand Company, New York, N. Y. Manufacture of detachable drill bits. 2,387,983; Oct. 30.
Dickey, Joseph B., Rochester, N. Y., and J. B. Normington, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. N-Aryltetrahydroquinolines. 2,387,751; Oct. 30.
Dimsdale, Wilfrid H., and A. E. Clarke, assignors to Ilford Limited, Ilford, England. X-ray dosage indicator. 2,387,887; Oct. 30.

Dixon, James K., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. 4-methyl-alpha-methyl styrene from bicyclic terpenes. 2,387,836; Oct. 30.

Dodge, Adiel Y., Rockford, Ill. Making vaned elements. 2,387,722; Oct. 30.

Dodge, Barnett F.: See—
Pardee, W. A., and Dodge.

Donnelly, Thomas S., Jr., assignor to Borden Mfg. Co., Inc., Detroit, Mich. Electrode holder. 2,387,888; Oct. 30.

Dorfman, Leo O., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Welding system. 2,387,889; Oct. 30.

Dow Chemical Company, The: See—
Boulton, H. L., and Savage, assignors.
Busk, Robert S., assignor.
Grebe, J. J., and Bauman, assignors.

Downing, Francis B., Kansas City, Mo. Flattening appliance for disk records. 2,388,127; Oct. 30.

Drab, Joseph M., North Royalton, Ohio. Storm window. 2,388,044; Oct. 30.

Dreyfus, Henry, London, England, assignor to Celanese Corporation of America. Manufacture of organic compounds. 2,387,723; Oct. 30.

Du Pont, E. I., de Nemours & Company: See—
Alderson, Witty L., Jr., assignor.
Brooks, R. E., Peterson, and Weber, assignors.
Burrows, Lawton A., assignor.
Coleman, Clarence E., assignor.
Greenwalt, Crawford H., assignor.
Hanford, William E., assignor.
Hetherington, Harry C., assignor.
Hoffman, Robert M., assignor.
Keller, Edwin H., assignor.
Krase, Norman W., assignor.
Loder, Donald J., assignor.
McAlevy, A., Strain, and Chance, assignors.
Peterson, Merlin D., assignor.
Schweitzer, Carl E., assignor.

Eastman Kodak Company: See—
Dickey, J. B., and Northington, assignors.
Salo, M., and Vivian, assignors.

Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,388,045; Oct. 30.

Rekel, Joseph C., Ingram, Pa. Alloy steel. 2,388,128; Oct. 30.

Eddy, Arnold, Middletown, Conn., assignor of one-half to H. W. Striker, New York, N. Y. Screen printing. 2,387,984; Oct. 30.

Erge, Klaus, Mount Lebanon, Pa., assignor to Carnegie-Illinois Steel Corporation. Roll changing device. 2,387,890; Oct. 30.

Eisenbeis, George G., Conklin, assignor to Stow Manufacturing Co., New York, N. Y. Flexible shafting. 2,388,129; Oct. 30.

Electric Railway Improvement Company, The: See—
Cadwell, Charles A., assignor.

Elektrizitäts-Aktiengesellschaft Wadenswil: See—
Haas, Walter, assignor.

Elkin, Manuel H., Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Ignition controlling device for internal-combustion engines. 2,387,891; Oct. 30.

Ellinghouse, Frederick: See—
Aspin, F. M., and Ellinghouse.

Elliott, John S.: See—
Evans, E. A., and Elliott.

Ellis, Clarence M., assignor of one-third to J. E. Devine and one-third to J. M. Prentice, Lodi, Calif. Stack pusher. 2,387,985; Oct. 30.

Ellis, Delbert, Wilkensburg, and O. L. Taylor, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Coil support and armature guide. 2,387,892; Oct. 30.

Ellis, James, New York, N. Y. Machine for cleaning hair and scalp. 2,387,893; Oct. 30.

Elman, Helen K., and R. C. Bergmann, New York, N. Y. Portable steaming apparatus. 2,387,724; Oct. 30.

Emrich, Clarence O., Pittsburgh, Pa. Packless valve. 2,388,046; Oct. 30.

Emulsol Corporation, The: See—
Katzman, Morris, assignor.

Erie Meter Systems, Inc.: See—
Olsen, Louis R., assignor.

Eskin, Samuel G., and C. K. Strobel, Pittsburgh, assignors to Robertshaw Thermostat Company, Youngwood, Pa. Safety control for fuel burners. 2,388,130; Oct. 30.

Etten, Nicholas L., Waterloo, Iowa. Wringer. 2,388,207; Oct. 30.

Evans, Elliott A., and J. S. Elliott, assignors to C. C. Wakefield & Company Limited, Beaconsfield, England. Lubricating oil. 2,388,047; Oct. 30.

Evans, Francis C., Dongan Hills, N. Y., assignor to American District Telegraph Company, Jersey City, N. J. Fire detection system. 2,387,752; Oct. 30.

Evans, Henry M., assignor to L. W. Evans, Gloucester City, N. J. Insignia positioning device. 2,387,986; Oct. 30.

Evans, Lena W.: See—
Evans, Henry M., assignor.

Every, Virgil F., Rochelle Park, N. J. Well screen. 2,387,725; Oct. 30.

Ex-Cell-O Corporation: See—
Markus, August F., assignor.

Fairley, Frank E., Birmingham, L. T. Lindquist, Bessemer, and C. D. Michaels and H. C. Rodgers, assignors to Tennessee Coal, Iron and Railroad Company, Birmingham, Ala. Coating sheets. 2,388,131; Oct. 30.

Fannin, Raymond B., Denver, Colo. Filling liquid gas bottles. 2,387,894; Oct. 30.

Farnsworth Television and Radio Corporation: See—
Knox, A. L., and Kahl, assignors.

Farrell, Edward J. S., administrator: See—
Tappan, Charles G.

Felix, Friedrich, and W. Zurcher, deceased, Basel, by J. Zurcher, administrator, Horgen, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Nitro sulphate azo dyes. 2,387,987; Oct. 30.

Felix, Friedrich, and W. Zurcher, deceased, Basel, by J. Zurcher, administrator, Horgen, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Nitration products of monoazo dyestuffs. 2,387,988; Oct. 30.

Fellows Gear Shaper Company, The: See—
Miller, Edward W., assignor.

Ferry, John T., Iilon, assignor to Remington Rand Inc., Buffalo, N. Y. Punch. 2,387,837; Oct. 30.

Fischer, Paul W., Long Beach, and V. N. Jenkins, Palos Verdes Estates, assignors to Union Oil Company of California, Los Angeles, Calif. Turbine oil. 2,388,132; Oct. 30.

Fish-Schurman Corporation: See—
Suwa, Ignaz F., assignor.

Fitzgerald, Edward J., assignor to Son-Chief Electrics, Incorporated, Winsted, Conn. Folding iron. 2,388,133; Oct. 30.

Flosdorf, Earl W., Lansdowne, C. J. Westin, Philadelphia, and F. J. Stokes, Jr., Laverock, Pa.; E. W. Wolfrom, administratrix of said Westin, deceased; assignors to F. J. Stokes Machine Company. Biological apparatus, container, and method. 2,388,134; Oct. 30.

Foot Mineral Company: See—
Luckenbach, William F., Jr., assignor.

Ford Motor Company: See—
Shaub, F. G., and Jennens, assignors.

Foss, Benjamin S., Brookline, assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Control vanes for fans. 2,388,208; Oct. 30.

Foster, Arch. L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparation of cyclic hydrocarbons. 2,387,989; Oct. 30.

Frank, Joseph, Forest Hills, and A. P. Marr, Brooklyn, assignors to Gemloid Corporation, Elmhurst, Long Island, N. Y. Portable flashlight. 2,387,753; Oct. 30.

Free, Gerhard: See—
Pier, M., Free, and v. Fuener.

French, James W., Anniesland, Glasgow, W. 3., assignor to Barr and Stroud, Limited, Glasgow, Scotland. Binocular observation instrument. 2,387,838; Oct. 30.

Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovery of hydrogen fluoride. 2,388,135; Oct. 30.

Friden Calculating Machine Co., Inc.: See—
Friden, Carl M. F., assignor.

Machado, Anthony B., assignor.

Friden, Carl M. F., Pleasanton, Calif., assignor to Friden Calculating Machine Co., Inc. Revolutions counter actuator. 2,388,209; Oct. 30.

Frischmuth, Robert W.: See—
Colton, H. S., Knowles, and Frischmuth.

Frosch, Carl J., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Polyamides. 2,388,035; Oct. 30.

Frost, Robert P., Redding, Calif. Press. 2,387,839; Oct. 30.

Fuel Refining Corporation: See—
Wethly, F., assignor.

Fuller, Everett W.: See—
Williams, R. H., and Fuller.

Gallois, John E.: See—
Hicks, William H., assignor.

Gardner, Leland A., Maplewood, and K. W. Richards, Packanack Lake, N. J.; said Gardner assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., and said Richards assignor to American Telephone and Telegraph Company. Party-line printing telegraph system. 2,388,136; Oct. 30.

Garriga, José M., assignor to Corporación Peruna del Amazonas, Lima, Peru. Filtering medium. 2,387,726; Oct. 30.

Garrison, Allen D., Houston, and W. D. Yale, Port Arthur, Tex., assignors to Texaco Development Corporation, New York, N. Y. Recovery of hydrocarbons from high-pressure fluids. 2,388,048; Oct. 30.

Gaspar, Bela, Brussels-Forest, Belgium, assignor to Chromogen, Incorporated. Material for the production of partial color selection pictures from subtractive multicolor images. 2,387,754; Oct. 30.

Gemloid Corporation: See—
Frank, J., and Marr, assignors.

General Electric Company: See—
Middel, Hendrik D., assignor.

Olsen, Ronald W., assignor.

Scott, Edwin W., assignor.

General Electric Corporation: See—
Morack, Marvin M., assignor.

General Motors Corporation: See—
Berninger, Kenneth L., assignor.
Bradford, Zerbe C., assignor.
Bruma, Stewart L., assignor.
Dally, Robert A., assignor.
Hartzell, Herman L., assignor.
Leland, Robert W., assignor.
Leland, R. W., and Werner, assignors.

Gerhart, Howard L., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Preparation of diolefinic resins. 2,387,895; Oct. 30.

Gerstenzang, Ralph: See—
Brownlie, J., and Gerstenzang.

Giffard, Whitney, assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,387,840; Oct. 30.

Giger, Walter, Zurich, assignor to Aktiengesellschaft Boveri & Cie, Baden, Switzerland. Electro-mechanical control system for vehicles. 2,387,896; Oct. 30.

Gobbie, Frank J.: See—
Davis, Cecil C., assignor.

Godshalk, James B., assignor to Leeds & Northrup Company, Philadelphia, Pa. Half cells with thermal barrier. 2,387,727; Oct. 30.

Goepp, Rudolph M., Jr., New Castle, assignor to Atlas Powder Company, Wilmington, Del. Vinyl resin compositions. 2,387,841; Oct. 30.

Goldberg, H.: See—
Loewe, P. L., and Boyce, assignors.

Goode, Joseph T., assignor to H. A. Bell, Los Angeles, Calif. Attenuator. 2,388,049; Oct. 30.

Goodrich, B. F. Company, The: See—
Craig, David, assignor.
Hunter, Willson H., assignor.
Kmentt, Waldemar D., assignor.
Mayne, Robert, assignor.

Goodson, Louis H.: See—
Walter, L. A., and Goodson.

Gordon, Britton L.: See—
Day, R. O., and Gordon.

Gottlieb, Nathan: See—
Reardon, J. D., and Gottlieb.

Goulding, John P.: See—
Lecher, H. Z., and Goulding.

Grandstaff, Otto D., Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc. Line detecting apparatus. 2,387,897; Oct. 30.

Graumlich, George D., Miami, Fla. Device for installing and removing tubular lamps and the like. 2,388,137; Oct. 30.

Graves, Eldon F.: See—
Knutson, A. T., and Graves.

Gray, Agnes, administratrix: See—
Gray, Edward.

Gray, Edward, deceased, Detroit, by A. Gray, Grosse Pointe Park, Mich., administratrix. Locomotive power drive. 2,387,843; Oct. 30.

Grebe, John J., and W. C. Bauman, assignors to The Dow Chemical Company, Midland, Mich. Magnesium salts from sea water. 2,387,898; Oct. 30.

Greenwalt, Crawford H., Greenville, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of ethylene polymers. 2,388,138; Oct. 30.

Gressel, Floyd C.: See—
Smith, G. P., and Gressel.

Grosser, Walter C., Cleveland, Ohio, assignor, by mesne assignments, to American Plange & Manufacturing Co., Inc., New York, N. Y. Threaded sheet metal plug. 2,387,990; Oct. 30.

Grouse, Richard A., and J. Rogers, assignors to A. H. Hunt Limited, London, England. Metallized paper electrical condenser. 2,388,139; Oct. 30.

Gruner, William P., St. Louis, assignor of one-fourth to O. R. Burkhardt, Webster Groves, one-fourth to W. H. Burkhardt, and one-fourth to H. W. Hagnauer, Laude, Mo. Ice-making machine. 2,387,899; Oct. 30.

Guardian Merchandising Corporation: See—
Monnet, Georges, assignor.

Guarnaschelli, Vincent, New York, assignor to Self Seal Bottle Cap Company, Long Island City, N. Y. Bottle cap. 2,388,050; Oct. 30.

Guellieb, Gustav E., Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Mount for eyepieces. 2,388,051; Oct. 30.

Gulf Research & Development Company: See—
Pardee, W. A., and Dodge, assignors.

Haas, Walter, Basel, assignor of one-half to Elektrizitäts-Aktiengesellschaft Wadenswil, Zurich, Switzerland. Vise. 2,387,991; Oct. 30.

Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Manufacture of butadiene. 2,387,992; Oct. 30.

Hagnauer, Hilbert W., et al.: See—
Gruner, William P., assignor.

Hall, William H., Jr., assignor to Thermold Company, Trenton, N. J. Composite yarn and fabric. 2,388,140; Oct. 30.

Hammarlund Manufacturing Company, Incorporated, The: See—
Whitaker, James N., assignor.

Hanford, Harris: See—
Hicks, William H., assignor.

Hanford, William E., Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogen-modified polymers of ethylene. 2,387,755; Oct. 30.

Hanrahan, James F.: See—
Pruneau, J. L., Mullally, and Hanrahan.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Signaling. 2,388,052; Oct. 30.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Communication method and system. 2,388,053; Oct. 30.

Hanson, Milton E., Haddonfield, N. J., assignor to B. F. Sturtevant Company, Boston, Mass. Web drier. 2,388,226; Oct. 30.

Hanson, Milton E., Haddonfield, N. J., and R. T. Palmer, Sharon, assignors to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Refrigeration system for air conditioned passenger vehicles. 2,388,210; Oct. 30.

Harrington, George G., assignor to Reed Roller Bit Company, Houston, Tex. Electrical logging apparatus. 2,388,141; Oct. 30.

Harris, Arthur G., Pallsade, Colo. Internal-combustion engine. 2,387,728; Oct. 30.

Harris, Emory, Miami, assignor of one-half to H. W. Thomas, Dade County, Fla. Split center window jack. 2,388,142; Oct. 30.

Harris, Frederic R., New York, N. Y. Shock preventing floating dry dock. 2,387,844; Oct. 30.

Harris, Raymond R., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Hardenable aminotriazine-aldehyde resins. 2,388,143; Oct. 30.

Harry, William R., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electroacoustic transducer. 2,387,845; Oct. 30.

Hart-Carter Company: See—
McElhoe, C. R., and Swartz, assignors.

Hartwell, Henry, Inkster, Mich. Knife sheath. 2,387,900; Oct. 30.

Hartzell, Herman L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Electrical filter. 2,388,054; Oct. 30.

Harrile, Joseph E., Tacoma, Wash. Cable elbow. 2,387,729; Oct. 30.

Hastings Manufacturing Company: See—
Phillips, Harold P., assignor.

Haverstick, Samuel A., Wilkensburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Slip indicator. 2,387,901; Oct. 30.

Hays, Leslie C., Healdsburg, Calif. Lamp changer. 2,387,846; Oct. 30.

Hazeltine Corporation: See—
Loughren, Arthur V., assignor.

Headon, Frank, New York, N. Y. Knitted goods. 2,388,144; Oct. 30.

Heagney, John W., Minneapolis, Minn. Bobbled. 2,388,145; Oct. 30.

Hedges, Don F., Crown Point, Ind., assignor to Carnegie-Illinois Steel Corporation. Transportation load and method of preparing the same. 2,387,902; Oct. 30.

Heinze, M. P., Machine Co.: See—
Atherton, Neil F., assignor.

Hemmlinger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Petroleum conversion process. 2,388,055; Oct. 30.

Hendricks, Nathan V., Adrian, Mich. Adjustable support. 2,388,056; Oct. 30.

Henningsen, Carsten L., Fresno, Calif. Electric razor. 2,387,756; Oct. 30.

Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Contacting element. 2,387,903; Oct. 30.

Hepp, Harold J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Refining aromatic oils. 2,387,993; Oct. 30.

Hercules Powder Company: See—
Borglin, Joseph N., assignor.

Rummelsburgh, Alfred L., assignor.

Herlocker, Robert D., Hammond, M. P. Kleinholz, East Chicago, Ind., and F. M. Watkins, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Lubricant. 2,388,057; Oct. 30.

Herlocker, Robert D., Hammond, M. P. Kleinholz, East Chicago, Ind., and F. M. Watkins, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Lubricant. 2,388,058; Oct. 30.

Herlocker, Robert D., Hammond, M. P. Kleinholz, East Chicago, Ind., and F. M. Watkins, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Lubricant. 2,388,059; Oct. 30.

Herron, Wingo, Augusta, Ga. Holdup for lug straps. 2,388,146; Oct. 30.

Heth, Sherman C., assignor to J. I. Case Company, Racine, Wis. Header construction for harvesting machines. 2,388,147; Oct. 30.

Hetherington, Harry C., Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Taste and odor removal from organic compounds. 2,388,148; Oct. 30.

Hetherington, Robert, Sharon Hill, Pa., assignor to Robert Hetherington & Son, Inc., Wilmington, Del. Heat coil operated thermal switch. 2,387,904; Oct. 30.

Hetherington, Robert, & Son, Inc.: See—
Hetherington, Robert, assignor.

Heyer, Frederic K., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Luggage lock. 2,388,227; Oct. 30.

Hickok, W. O., Mfg. Co., The: See—
Thompson, Robert J., assignor.

Hicks, William H., Las Vegas, Nev., assignor of one-third to J. E. Gallois, San Francisco, and one-third to H. Hammond, Los Angeles, Calif. Ceramic composition. 2,388,060; Oct. 30.

High Standard Manufacturing Corporation, The: See—
Humeston, Frederick L., assignor.

Hill-Rom Company, Inc.: See—
Purkiss, Robert B., assignor.

Hillyer, John C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerization of 1-olefins to 2-olefins. 2,387,994; Oct. 30.

Hoecker, Albert C., assignor to Gunhild Bergland Hoecker, St. Louis, Mo. Container and iron. 2,387,757; Oct. 30.

Hoecker, Gunhild B.: See—
Hoecker, Albert C., assignor.

Hoch, Joseph, Congress Park, assignor to Wittek Manufacturing Co., Chicago, Ill. Welding electrode. 2,387,905; Oct. 30.

Hoffman, Harry E., Peoria, Ill. Score indicator. 2,387,847; Oct. 30.

Hoffman, Robert M., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose acetate yarn and process. 2,387,791; Oct. 30.

Hofmann, Alfred, Inc.: See—
Straussberger, Hans J., assignor.

Holden, Thomas W. W., assignor to The Magnavox Company, Ltd., Port Wayne, Ind. Communication system. 2,387,906; Oct. 30.

Holmes, Gifford I., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Valve. 2,387,792; Oct. 30.

Holmes, Gifford I., Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Valve. 2,387,793; Oct. 30.

Homburger, Robert E.: See—
Whitaker, R., Myers, and Homburger.

Hook, Christopher, Limuru, Kenya Colony, British East Africa. Craft of the hydroplane type. 2,387,907; Oct. 30.

Hovey, C. Earl, trustee: See—
Denison, Noel M., assignor.

Howard, Frank C., Dearborn, Mich. Wabblers drive mechanism. 2,387,908; Oct. 30.

Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Heating element and production. 2,387,995; Oct. 30.

Hugh Jones Products Company: See—
Jones, Hugh H., assignor.

Hull, Washington, Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of p-cymene from a monocyclic terpene. 2,387,794; Oct. 30.

Humeston, Frederick L., Syracuse, N. Y., assignor to The High Standard Manufacturing Corporation, New Haven, Conn. Seal for firearms. 2,388,149; Oct. 30.

Hunt, A. H., Limited: See—
Grouse, R. A., and Rogers, assignors.

Hunt, Gordon, Parkersburg, W. Va. Heel stripper. 2,388,150; Oct. 30.

Hunter, Willson H., Lakewood, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Frictional mechanism. 2,388,151; Oct. 30.

Hyde, Herschel Y.: See—
Viland, C. K., and Hyde.

Hyde, James L.: See—
Burnham, J., and Hyde.

Hyndman, Meade: See—
Smart, Ralph F., assignor.

Ilford Limited: See—
Dimsdale, W. H., and Clarke, assignors.

Imperial Chemical Industries Limited: See—
Boon, W. R., and Lowe, assignors.

Infilco Incorporated: See—
Behrman, Abraham S., assignor.

Ingersoll-Rand Company: See—
Valley, Henry A., assignor.

Dickenson, Ernest H., assignor.

Ingham, Robert J., Jr., Fairfield, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Temperature compensated Bourdon tube instrument. 2,387,909; Oct. 30.

Ingwer, Max, and W. W. Schwarz, assignors to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y. Power transmission device. 2,387,910; Oct. 30.

Isserstedt, Siegfried G., Toronto, Ontario, Canada. Curtain suspending means. 2,388,061; Oct. 30.

Isserstedt, Siegfried G., Toronto, Ontario, Canada, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Aircraft control apparatus. 2,387,795; Oct. 30.

Jaros, Elizabeth C.: See—
Jaros, Joseph F., assignor.

Jaros, Joseph F., Riverside, assignor to Elizabeth C. Jaros, Chicago, Ill. Visual educational device. 2,387,758; Oct. 30.

Jarvis, Albert E., Arlington, and W. J. Keller, Jersey City, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Material working apparatus. 2,388,152; Oct. 30.

Jarvis, Kenneth W., Winnetka, Ill. Manufacturing electrical condensers. 2,387,759; Oct. 30.

Jasco, Incorporated: See—
P. Stahly, Eldon E., assignor.

Jenkins, Vance N.: See—
Fischer, P. W., and Jenkins.

Jennens, Arthur E.: See—
Shaub, F. G., and Jennens.

Johnson, Joseph S., Logan, Utah. Hay fork. 2,387,996; Oct. 30.

Johnstone, Theodore H., Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Keyhole cover. 2,388,228; Oct. 30.

Jones, Bobby F., Lexington, Ky. Thresher. 2,387,796; Oct. 30.

Jones, Hugh H., Birmingham, Ala., assignor to Hugh Jones Products Company. Cleaning and lubricating emulsion. 2,388,153; Oct. 30.

Kahl, Fritz: See—
Knox, A. L., and Kahl.

Kaiser, Otto, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Metallizable polyazo triazine dyestuffs. 2,387,997; Oct. 30.

Kase, Otto E.: See—
Braun, K. J., and Kase.

Katzman, Morris, assignor to The Emulsol Corporation, Chicago, Ill. Amides. 2,388,154; Oct. 30.

Kearney, Daniel P., Birmingham, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Automatic control for internal-combustion engines. 2,387,911; Oct. 30.

Kearney & Trecker Corporation: See—
Armitage, J. B., Barker, Riedel, and Boehmer, assignors.

Keinath, George, Larchmont, N. Y. Multiple recorder. 2,387,760; Oct. 30.

Keiser, Russell W., assignor to Boucher and Keiser Company, Atlanta, Ga. Reactance. 2,387,797; Oct. 30.

Keller, Edwin H., Chester Heights, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Inhibition of corrosion. 2,388,155; Oct. 30.

Keller, Rex E., Beverly Hills, Calif. Multiple stage fluid drive transmission. 2,388,062; Oct. 30.

Keller, William J.: See—
Jarvis, A. E., and Keller.

Kelley, Carl S., Kansas City, Kans., assignor to Phillips Petroleum Company. Segregation of anhydrous acid. 2,388,156; Oct. 30.

Kelly, Daniel A., assignor to Prime Manufacturing Company, Milwaukee, Wis. Blowoff cock. 2,387,912; Oct. 30.

Kendall, Marcus T.: See—
Ryan, W. J., and Kendall, assignors.

Kendrick, Charles M., New York, N. Y., assignor to Manly Corporation, Washington, D. C. Fluid pressure device. 2,387,761; Oct. 30.

Kerr, Charles, Jr., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine locomotive. 2,387,913; Oct. 30.

Kerr, Orange B., Holly Springs, Miss. Brooder. 2,388,157; Oct. 30.

Kessler, George W., New York, N. Y., assignor to The Babcock & Wilcox Company, Jersey City, N. J. Vapor generation. 2,387,998; Oct. 30.

Klenninger, John F., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Imbibition printing. 2,387,914; Oct. 30.

Kirk, Lawrence T., Abbeville, S. C. Railroad torpedo setter. 2,387,915; Oct. 30.

Kirschenbauer, Hans G., Allendale, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Production of unsaturated compounds. 2,388,158; Oct. 30.

Kleinholz, Milton P.: See—
Herlocker, R. D., Kleinholz, and Watkins.

Klosterman, Joseph J., deceased, by M. Klosterman, executrix, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,388,063; Oct. 30.

Klosterman, Mary, executrix: See—
Klosterman, Joseph J.

Kmentt, Waldemar D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Coating shaft articles. 2,388,159; Oct. 30.

Knapp-Monarch Company: See—
Huck, Alfred J., assignor.

Moeller, George L., assignor.

Ward, Lawrence T., assignor.

Knowles, Raymond L.: See—
Colton, H. S., Knowles, and Frischmuth.

Knox, Arthur L., and F. Kahl, Fort Wayne, Ind., assignors to Farnsworth Television and Radio Corporation. Pickup arm control. 2,387,916; Oct. 30.

Knutson, Amos T., and E. F. Graves, Midland, Mich., assignors to The Lubri-Zol Corporation, Wickliffe, Ohio. Lubrication. 2,387,999; Oct. 30.

Krase, Norman W., Swarthmore, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Separating ethylene. 2,388,160; Oct. 30.

Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Tetraallyl silicate and preparing the same. 2,388,161; Oct. 30.

Kubicek, Nael F., Hammond, Ind., and M. T. Carpenter, assignors to Standard Oil Company, Chicago, Ill. Continuous catalytic conversion of hydrocarbons. 2,387,798; Oct. 30.

La Bille, Joseph A., Chicago, Ill. Inhaler. 2,387,917; Oct. 30.

La Hatte, Cicero, Vicksburg, Miss. Meat holder. 2,388,162; Oct. 30.

Laird, Wilbur G., Pleasantville, N. Y. Storage container for fluids. 2,388,163; Oct. 30.

Larson, Robert C., Los Angeles, Calif. Tilting mechanism for Venetian blinds. 2,388,000; Oct. 30.

Lecher, Hans Z., Plainfield, and J. P. Goulding, Neshanic Station, N. J., assignors to American Cyanamid Company, New York, N. Y. Azo dyestuff derivatives of 5-amino-1,3-benzodioxole. 2,387,848; Oct. 30.

Leeds & Northrup Company: See—
Godshalk, James B., assignor.

Lehmberg, William H.: See—
Bernheim, D. P., Splaine, Lehmberg, Lown, and Baratelli.

Lehmberg, William H., Riverside, Conn., C. A. Baratelli, Cambridge, and W. Lown, Boston, assignors to American Optical Company, Southbridge, Mass. Eye protection means and supporting means thereof. 2,387,849; Oct. 30.

Leland, Robert W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Motor control. 2,387,799; Oct. 30.

Leland, Robert W., and C. J. Werner, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Actuator. 2,387,800; Oct. 30.

Lelinski, Valentine: See—
Cameron, A. M., and Lelinski.

Leonard, Lloyd H., Washington, D. C. Aircraft. 2,387,762; Oct. 30.

Libbey-Owens-Ford Glass Company: See—
Colbert, W. H., and Morgan, assignors.

Light, David M., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,388,229; Oct. 30.

Light, David M., Chicago, Ill., assignor to American Steel Foundries, Snubber. 2,388,230; Oct. 30.

Linde Air Products Company, The: See—
Day, R. O., and Gordon, assignors.

Lindquist, Louis T.: See—
Fairley, F. E., Lindquist, Michaels, and Rodgers.

Link-Belt Company: See—
Suman, Robert W., assignor.

Lithograph Press Manufacturing Company, The: See—
Stempel, Laszlo M., assignor.

Lockridge, William R., administrator: See—
Loughridge, Matthew H.

Lockwood, Thorval J., Gering, Nebr. Potato grader chain. 2,387,918; Oct. 30.

Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters. 2,388,164; Oct. 30.

Lodwick, Albert I.: See—
Abel, C. F., and Lodwick.

Loewe, Peter L., and E. L. Boyce, assignors to H. Goldberg, Chicago, Ill. Lawn mower. 2,388,165; Oct. 30.

Looser, John J.: See—
Tucker, E. M., E. M., Jr., and J. M., assignors.

Lose, James E., Wilkensburg, Pa. Deep-drawing steel. 2,387,919; Oct. 30.

Loughren, Arthur V., Great Neck, N. Y., assignor to Hazeltine Corporation, Washington, D. C. Signal transmission system. 2,388,001; Oct. 30.

Loughridge, Matthew H., Bogota, N. J., deceased, William R. Lockridge, administrator. Decoding system. 2,387,850; Oct. 30.

Lowe, Arthur R.: See—
Boon, W. R., and Lowe.

Lown, Walter: See—
Baratelli, C. A., Bernheim, and Lown.

Bernheim, D. P., Splaine, Lehmberg, Lown, and Baratelli.

Lehmberg, W. H., Baratelli, and Lown.

Lown, Walter, Boston, and C. A. Baratelli, Cambridge, assignors, by mesne assignments, to American Optical Company, Southbridge, Mass. Goggles. 2,387,851; Oct. 30.

Lowry, Charles D., Jr., assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of inhibitors. 2,387,920; Oct. 30.

Ludées, Enrique L., Woodhaven, N. Y., assignor, by mesne assignments, to Research and Development Corporation, Wilmington, Del. Recovery of carbon bisulphide. 2,387,763; Oct. 30.

Luckenbach, William F., Jr., Oaklyn, N. J., assignor to Ecote Mineral Company, Philadelphia, Pa. Composition comprising an organolithium product. 2,388,166; Oct. 30.

Luckhaupt, Christopher, Jamaica, N. Y., assignor to Luckite Processes, Inc., Delawanna, N. J. Treating cellulose matter and resulting product. 2,387,801; Oct. 30.

Luckite Processes, Inc.: See—
Luckhaupt, Christopher, assignor.

MacDonald, Joseph R., Winchester, Mass. Manufacture of ice. 2,387,921; Oct. 30.

Machado, Anthony B., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Constant multiplier control. 2,388,211; Oct. 30.

Magnavox Company, Ltd., The: See—
Holden, Thomas W. W., assignor.

Maiwald, Matthew, Panama, Iowa. Brake pedal lock release. 2,388,002; Oct. 30.

Makransky, Marvin: See—
Berman, Davis, assignor.

Mallory, P. R., & Co., Inc.: See—
Hensel, Franz R., assignor.

Maloff, Jouy G., Camden, N. J. Precision measuring apparatus. 2,387,852; Oct. 30.

Maltbie Chemical Company, The: See—
Walter, Lewis A., assignor.

Walter, L. A., and Goodson, assignors.

Manly Corporation: See—
Kendrick, C. M., assignor.

Manning, Maxwell & Moore, Incorporated: See—
Ingham, Robert J., Jr., assignor.

Marchant Calculating Machine Company: See—
Avery, Harold T., assignor.

Markus, August F., assignor to Ex-Cell-O Corporation, Detroit, Mich. Thread grinder. 2,388,064; Oct. 30.

Markus, August F., assignor to Ex-Cell-O Corporation, Detroit, Mich. Dresser compensating mechanism for grinding machines. 2,388,065; Oct. 30.

Markus, August F., assignor to Ex-Cell-O Corporation, Detroit, Mich. Dresser compensating mechanism for grinding machines. 2,388,066; Oct. 30.

Markus, August F., assignor to Ex-Cell-O Corporation, Detroit, Mich. Dresser compensating mechanism for grinding machines. 2,388,067; Oct. 30.

Marple, Kenneth E., Oakland, assignor to Shell Development Company, San Francisco, Calif. Regulating polymerization of polymerizable mixtures containing conjugated diene hydrocarbons and products obtainable thereby. 2,388,167; Oct. 30.

Marr, Arthur P.: See—
Frank, J., and Marr.

Martin, Glenn L., Company, The: See—
Rhodes, Murray B., assignor.

Marx, Frank A., Bridgetown, assignor to The Richardson Taylor-Globe Corporation, Cincinnati, Ohio. Dispensing carton. 2,388,168; Oct. 30.

Maschinenfabrik Schärer: See—
Siegenthaler, W., assignor.

Mathieson Alkali Works, Inc., The: See—
Woodward, Eric R., assignor.

Maxwell, Willard A., Portland, Oreg. Combination bulldozer and shovel. 2,387,764; Oct. 30.

Mayne, Robert, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Separable track for crawler type vehicles. 2,387,802; Oct. 30.

McAlevy, Ambrose, D. E. Strain, and F. S. Chance, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Elastomers from ethylene interpolymers. 2,388,169; Oct. 30.

McAllister, Sumner H.: See—
Anderson, J., McAllister, and Ross.

McBrien, Roger W., Alton, Ill. Apparatus for measuring liquids. 2,387,922; Oct. 30.

McBrien, Roger W., Alton, Ill. Dispensing apparatus for liquids. 2,387,923; Oct. 30.

McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Interlocking control apparatus. 2,387,853; Oct. 30.

McCleary, Rush F.: See—
Patterson, J. A., and McCleary.

McClure, Charles A., Chicago, Ill., assignor of one-half to M. A. Sriblike. Fountain-type comb. 2,387,924; Oct. 30.

McCollum, Henry J. De N., deceased, Chicago, Ill.; T. McCollum, executrix. Stereoscopic television apparatus. 2,388,170; Oct. 30.

McCollum, Thelma, executrix: See—
McCollum, Henry J. De N.

McCullough, Francis J., Chicago, Ill. Liquid temperatizing vat. 2,388,003; Oct. 30.

McDermott, Henry J., Prospect Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Godet. 2,388,068; Oct. 30.

McDow, Everett E., Wilmette, assignor to Antiseptol Company, Inc., Chicago, Ill. Dispensing apparatus. 2,387,945; Oct. 30.

McElhroe, Calvin B., Detroit, Mich., and G. W. Swartz, assignors to Hart-Carter Company, Peoria, Ill. Pickup. 2,388,212; Oct. 30.

McGavock, Hugh K.: See—
McWane, H. E., and McGavock.

McLaughlin, John C., Duluth, Minn. Lifting jack. 2,388,004; Oct. 30.

McVitty, Edward W., New York, N. Y. Floating breakwater for seaplanes, flying boats and for other uses. 2,388,171; Oct. 30.

McWane, Henry E., and H. K. McGavock, Lynchburg, Va.; said McGavock assignor to said McWane. Casting. 2,387,803; Oct. 30.

LIST OF PATENTEEES

Meaker, John W., Evanston, and E. H. Yonkers, Jr., Glen-coe, Ill.; said Yonkers, Jr., assignor to said Meaker. Electroperforation of sheet material. 2,388,069; Oct. 30.

Mervin, Harry H., Rutherford, N. J., assignor to West-ern Electric Company, Incorporated, New York, N. Y. Article handling apparatus. 2,388,065; Oct. 30.

Metals & Control Corporation: See—

Bolesky, John D., assignor.

Metropolitan Vickers Electrical Company Limited: See—

Burch, Cecil R., assignor.

Michaelis, Willis C.: See—

Redding, Victor E., and Michaelis.

Michaelis, Clyde D.: See—

Fairley, F. E., Lindquist, Michaels, and Rodgers.

Michaloff, Alexander, Hinsdale, Ill., assignor to The Studebaker Corporation, South Bend, Ind. Grinder. 2,388,172; Oct. 30.

Middel, Hendrik D., Schenectady, N. Y., assignor to Gen-eral Electric Company. Electromagnetic apparatus. 2,388,070; Oct. 30.

Miller, Charles G., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective ringing telephone system. 2,388,071; Oct. 30.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Generative grinding ma-chine. 2,388,173; Oct. 30.

Miller, Nellie E., McLean, Va. Window cleaning device. 2,387,926; Oct. 30.

Miller Pottery Engineering Company: See—

Miller, William J., assignor.

Miller, William J., Swissvale, assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa. Method and apparatus for manufacturing pottery ware. 2,387,927; Oct. 30.

Minneapolis-Honeywell Regulator Company: See—

Holmes, Gifford L., assignor.

Isenhardt, Siegfried G., assignor.

Miskella, William J., Cleveland, Ohio. Reflective panel. 2,387,804; Oct. 30.

Mitchell, Stanley J., Wilkinsburg, assignor to Westing-house Electric Corporation, East Pittsburgh, Pa. Cir-cuit breaker. 2,387,925; Oct. 30.

Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Airscoop for internal-combustion en-gines. 2,388,213; Oct. 30.

Moeller, George L., assignor to Knapp-Monarch Company, St. Louis, Mo. Commutator structure and manufac-ture thereof. 2,388,006; Oct. 30.

Monnet, Georges, Washington, D. C., assignor to Guardian Merchandising Corporation, Montreal, Quebec, Canada. Floating razor. 2,387,765; Oct. 30.

Monnier, Russel, Detroit, Mich. Hand tool. 2,387,928; Oct. 30.

Monroe, Charles Z., Detroit, Mich., assignor to The Ameri-can Paper Bottle Company, Toledo, Ohio. Gluing mechanism. 2,387,929; Oct. 30.

Montclair Research Corporation: See—

Rust, John B., assignor.

Moore, James A., Cincinnati, Ohio, assignor to American Can Company, New York, N. Y. Feeding mechanism for container parts. 2,387,766; Oct. 30.

Morack, Marvin M., Scotia, N. Y., assignor to General Electric Corporation. Electric translating apparatus and control equipment therefor. 2,388,072; Oct. 30.

Morgan, Willard L.: See—

Colbert, W. H., and Morgan.

Mullally, James: See—

Pruneau, J. L., Mullally, and Hanrahan.

Murphy, Donald W., Bethlehem, Pa., assignor to Beth-lehem Steel Company. Machining steels. 2,388,214; Oct. 30.

Murphy, Donald W., Bethlehem, Pa., assignor to Beth-lehem Steel Company. Machining steels. 2,388,215; Oct. 30.

Murphy, Peter, Brooklyn, N. Y. Solid tire cushion wheel. 2,387,930; Oct. 30.

Muskat, Irving E., and F. Strain, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Unsaturated esters and polymers thereof. 2,387,931; Oct. 30.

Muskat, Irving E., and F. Strain, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Composition of matter. 2,387,932; Oct. 30.

Muskat, Irving E., Akron, and F. Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated esters and polymers thereof. 2,387,933; Oct. 30.

Muskat, Irving E., Akron, and F. Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Composition of matter and polymeriza-tion products thereof. 2,387,934; Oct. 30.

Myers, Leonard D., Washington, D. C., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Fire extinguishing method and appa-ratus. 2,387,935; Oct. 30.

Myers, Robert P.: See—

Whitaker, R. Myers, and Homberger.

Nachel, Edward R., Chicago, Ill. Squaring scale. 2,388,174; Oct. 30.

Nachemov, Leonard, assignor to A. J., T. T., and N. Sossner, a copartnership doing business as Sossner Steel Stamps, New York, N. Y. Precision grinding wheel dressing device for pantograph machines. 2,388,216; Oct. 30.

Nash-Kelvinator Corporation: See—

Giffard, Whitney, assignor.

Scullen, H. J., assignor.

National Cash Register Company, The: See—

Klosterman, Joseph J., assignor.

National Tube Company: See—

Buchanan, Edward D., assignor.

Nicholls, Edward S., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Regenerating spent adsorbents. 2,387,936; Oct. 30.

Noguera, Joseph, Prestwich, Manchester, assignor to Casablanca High Draft Company Limited, Manchester, England. Rollers of drafting mechanism for textile fibers. 2,387,937; Oct. 30.

Noll, Henry D.: See—

Nicholls, E. S., Noll, and Payne.

Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Sheet cutting machine. 2,387,767; Oct. 30.

Normington, James B.: See—

Dickey, J. B., and Normington.

Noxon, Paul A., Tenafly, assignor to Bendix Aviation Corporation, Bendix, N. Y. Rate of turn meter and bank indicator. 2,387,938; Oct. 30.

Oakley, John, Springfield, assignor to Perkins Machine and Gear Company, West Springfield, Mass. Washing machine drive. 2,388,175; Oct. 30.

Oakley, John, Springfield, assignor to Perkins Machine and Gear Company, West Springfield, Mass. Washing machine drive. 2,388,176; Oct. 30.

Olds, Ambrose D., assignor to The Coleman Lamp and Stove Company, Wichita, Kans. Floor furnace. 2,387,939; Oct. 30.

Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa. Separation of tri-methyl amine and ammonia from amination reaction mixtures. 2,388,217; Oct. 30.

Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa. Manufacture of nitriles. 2,388,218; Oct. 30.

Olsen, Louis R., assignor to Erie Meter Systems, Inc., Erie, Pa. Visual fluid flow indicator. 2,387,805; Oct. 30.

Olsen, Ronald W., Bloomfield, N. J., assignor to General Electric Company. Fluid flow control. 2,388,073; Oct. 30.

Page, Albert E. and F. R., Laconia, assignors to Scott & Williams, Incorporated, Belknap, N. H. Knit fabric and making same. 2,387,768; Oct. 30.

Page, Albert E. and F. R., assignors to Scott & Williams, Incorporated, Laconia, N. H. Circular knitting machine and operating same. 2,387,769; Oct. 30.

Page, Frank R.: See—

Page, Albert E. and F. R.

Page, Herbert E., Alhambra, Calif. Hydraulic jack. 2,387,940; Oct. 30.

Palmer, Robert T.: See—

Hanson, M. E., and Palmer.

Palnut Company, The: See—

Wohlhieter, Joseph W., assignor.

Paper Converting and Finishing Company: See—

Pruneau, J. L., Mullally, and Hanrahan, assignors.

Pardee, William A., Pittsburgh, Pa., and B. F. Dodge, Hamden, Conn., assignors to Gulf Research & Develop-ment Company, Pittsburgh, Pa. Alkylation of benzene. 2,388,007; Oct. 30.

Parker, Humphrey F., Kenmore, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Limit control. 2,388,219; Oct. 30.

Parkersburg Rig & Reel Company, The: See—

Dake, George E., assignor.

Patterson, Glenn A., assignor to Red Jacket Manufac-turing Co., Davenport, Iowa. Pumping system. 2,387,941; Oct. 30.

Patterson, John A., and R. F. McCleary, Beacon, assignors to The Texas Company, New York, N. Y. Lubricants. 2,388,074; Oct. 30.

Patterson, Ward S., Chappaqua, and J. L. Barnes, Yonkers, assignors to Combustion Engineering Com-pany, Inc., New York, N. Y. Feed-water connection to boiler drum. 2,388,177; Oct. 30.

Paxton, Donald D.: See—

Smith, H. W., and Paxton.

Payne, John W.: See—

Nicholls, E. S., Noll, and Payne.

Pearce, Edwin S., Indianapolis, Ind. Journal bearing. 2,387,806; Oct. 30.

Pearce, Edwin S., Indianapolis, Ind. Journal bearing. 2,387,807; Oct. 30.

Pennsylvania Railroad Company, The: See—

Silversparre, Gustav A., assignor.

Perkins Machine and Gear Company: See—

Oakley, John, assignor.

Peters, Harry, Scribner, Nebr. Latching mechanism for endgates. 2,388,075; Oct. 30.

LIST OF PATENTEEES

Peterson, Merlin D.: See—

Brooks, R. E., Peterson, and Weber.

Peterson, Merlin D., Edgemoor Terrace, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization process. 2,388,178; Oct. 30.

Petty, Olive S.: See—

Rogers, S. D., Rudolph, and Crawford, assignors.

Philco Radio & Television Corporation: See—

Zindel, George, Jr., assignor.

Phillips, Gerald E., Cranford, N. J., assignor to Standard Oil Development Company. Stabilizing a petroleum oil. 2,388,076; Oct. 30.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,387,854; Oct. 30.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,387,855; Oct. 30.

Phillips Petroleum Company: See—

Allen, John G., assignor.

Foster, Arch L., assignor.

Frey, Frederick E., assignor.

Hachmuth, Karl H., assignor.

Hepp, Harold J., assignor.

Hillyer, John C., assignor.

Kelley, Carl S., assignor.

Pickens, Roy A., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Recovery of ilmenite by two stage flotation processes. 2,387,856; Oct. 30.

Pier, Mathias, Heidelberg, and G. Free and W. v. Fuener, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian. Production of hydrocarbons. 2,388,008; Oct. 30.

Pike, Robert D., Pittsburgh, Pa. Solution mining of trona. 2,388,009; Oct. 30.

Pittsburgh Plate Glass Company: See—

Campbell, George D., assignor.

Devol, Manson L., assignor.

Gerhart, Howard L., assignor.

Muskat, I. E., and Strain, assignors.

Pohl, Walter M., New Haven, Conn., assignor to Vickers, Incorporated, Detroit, Mich. Gun turret for mobile tanks. 2,388,010; Oct. 30.

Prentice, James M., et al.: See—

Ellis, Clarence M., et al.

Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Tractor-trailer braking system. 2,387,942; Oct. 30.

Prime Manufacturing Company: See—

Kelly, Daniel A., assignor.

Procter & Gamble Company, The: See—

Daniels, Robert C., assignor.

Pro-phy-lac-tic Brush Company: See—

Dahle, Joseph, assignor.

Prowd, William T., Middle Park, Victoria, Australia. Pipe coupling. 2,388,179; Oct. 30.

Pruneau, Joseph L., Chicago, J. Mullally, River Grove, and J. F. Hanrahan, assignors to Paper Converting and Finishing Company, Chicago, Ill. Calendar edging and calendar and method and machine for assembling same. 2,387,808; Oct. 30.

Pryde, Margaret S., et al., executrices: See—

Smith, Robert A., assignor.

Pullen, Rodney S., Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa. Handling mechanism for match combs and match comb packets. 2,388,011; Oct. 30.

Pullen, Rodney S., Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa. Making match packets. 2,388,012; Oct. 30.

Pullenlite Company: See—

Pullen, Rodney S., assignor.

Pulver, Albert H., Jr., Torrington, Conn. Changeable price sign. 2,388,180; Oct. 30.

Purkiss, Robert B., Indianapolis, assignor to Hill-Rom Company, Inc., Batesville, Ind. Dowel pin assembly. 2,388,181; Oct. 30.

Putman, Henry V., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetic core structure. 2,387,943; Oct. 30.

Quarles, Richard W.: See—

Cogan, H. D., and Quarles.

Radio Corporation of America: See—

Hansell, Clarence W., assignor.

Maloff, I. G., assignor.

Esselman, George L., assignor.

Razor, Orval, Portland, Ore. Airplane towing mech-anism. 2,388,013; Oct. 30.

Raymond, Sydney A., assignor to Cleanite Chemical Co., Chicago, Ill. Dispenser for washing compounds. 2,387,944; Oct. 30.

Reardon, Joseph D., and N. Gottlieb, Buffalo, N. Y., as-signor, by mesne assignments, to American Optical Company, Southbridge, Mass. Lens system. 2,388,077; Oct. 30.

Reconstruction Finance Corporation: See—

Myers, Leonard D., assignors.

Williamson, Hilding V., assignor.

Red Jacket Manufacturing Co.: See—

Patterson, Glenn A., assignor.

Redding, Victor E., and W. C. Michaelis, Minneapolis, Minn. Garage door. 2,388,182; Oct. 30.

Reed Roller Bit Company: See—

Harrington, George G., assignor.

Reeves, Edward D., Cranford, N. J., assignor to Standard Oil Development Company. Conversion of normal bu-tane to butadiene. 2,388,078; Oct. 30.

Remington Rand Inc.: See—

Braun, K. J., and Kase, assignors.

Ferry, John T., assignor.

Smith, G. P., and Gressel, assignors.

Turner, Albert F., assignor.

Research and Development Corporation: See—

Luaces, Emique L., assignor.

Reswick, Maurice, New Brighton, Staten Island, N. Y., assignor to Standard Oil Development Company. Lubri-cant. 2,388,083; Oct. 30.

Reynolds, Harold C., Jr.: See—

Thomas, R. M., and Reynolds.

Rhodes, Murray B., Kew Gardens, N. Y., assignor to The Glen L. Martin Company, Middle River, Md. Control lever. 2,388,079; Oct. 30.

Richards, Kenneth W.: See—

Gardner, L. A., and Richards.

Richardson Taylor-Globe Corporation, The: See—

Marx, Frank A., assignor.

Rickenmann, Alfred, Zürich, Switzerland. Machine for producing circular saws. 2,388,183; Oct. 30.

Riddle, Frank H., Detroit, Mich., assignor to Champion Spark Plug Company, Toledo, Ohio. Alumina and sil-licon carbide refractory. 2,388,080; Oct. 30.

Riedel, Kurt A.: See—

Armitage, J. B., Barker, Riedel, and Boehmer.

Ripper, Kurt E., Bronxville, assignor to American Cyan-amid Company, New York, N. Y. High strength lami-nated amino plastics. 2,388,184; Oct. 30.

Robertshaw Thermostat Company: See—

Eskin, S. G., and Strobel, assignors.

Robertson, Anthony E., Roselle, N. J., assignor to Stand-and Oil Development Company. Catalytic isomeriza-tion of hydrocarbons. 2,388,081; Oct. 30.

Rock-Ola Manufacturing Corporation: See—

Dettie, Lawrence E., assignor.

Rockwell, Edward A., Cleveland, Ohio. Valve apparatus. 2,388,220; Oct. 30.

Rodgers, Howard C.: See—

Fairley, F. E., Lindquist, Michaels, and Rodgers.

Rodway, John, Lincoln, England. Steering mechanism for vehicles. 2,388,185; Oct. 30.

Roediger, Joseph C., Brooklyn, N. Y., assignor to Stand-ard Oil Development Company. Paint remover. 2,388,082; Oct. 30.

Rogers, James: See—

Grouse, R. A., and Rogers.

Rogers, Samuel D., P. J. Rudolph, and W. L. Crawford, assignors to Olive S. Petty, San Antonio, Tex. Spray deflector for shot holes. 2,387,770; Oct. 30.

Rose, Arnold L., Larchmont, N. Y. Gas range. 2,387,809; Oct. 30.

Rose, Herbert A., Pittsburgh 21, and J. H. Cox, Forest Hills, assignors to Westinghouse Electric Corporation. Vapor-electric device. 2,387,946; Oct. 30.

Rosenbrook, Freddie V., Chicago, Ill. Electric hammer. 2,387,771; Oct. 30.

Ross, David J., Benton Harbor, Mich. Lamp lamp shade, and lamp shade holder. 2,387,857; Oct. 30.

Ross, William E.: See—

Anderson, J., McAllister, and Ross.

Rowsey, Robert A., Gary, Ind. Rotary shear pin drive. 2,388,186; Oct. 30.

Ruben, Samuel, New Rochelle, N. Y. Electrodeposition, method and apparatus. 2,387,772; Oct. 30.

Rudolph, Paul J.: See—

Rogers, S. D., Rudolph, and Crawford.

Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Pyrolysis of pinane. 2,388,084; Oct. 30.

Russel, Philip S., assignor to Detroit Lubricator Company, Detroit, Mich. Liquid level controlling means. 2,387,858; Oct. 30.

Russell, Loren, assignor to Vita-Meter Corporation, New York, N. Y. Supplementary fuel injection control struc-ture. 2,388,085; Oct. 30.

Rust, John B., Verona, N. J., assignor to Montclair Re-search Corporation. Glyoxal-ketone condensation prod-ucts and making them. 2,388,086; Oct. 30.

Ryan, William J., Wilmington, and M. T. Kendall, Long Beach, Calif., assignors to The Texas Company, New York, N. Y. Acid-treating a thermally cracked petro-leum distillate. 2,388,087; Oct. 30.

Ryerson & Haynes, Inc.: See—

Snell, Samuel A., assignor.

Sallé, Maurice, New York, N. Y., assignor to Thermoid Company, Trenton, N. J. Manufacturing friction facing and like materials. 2,388,187; Oct. 30.

Salo, Martin, and H. F. Vivian, assignors to Eastman Kodak Company, Rochester, N. Y. Hot-melt coating composition. 2,387,773; Oct. 30.

Salo, Martin, and H. F. Vivian, assignors to Eastman Kodak Company, Rochester, N. Y. Hot-melt coating composition. 2,387,774; Oct. 30.

Salomon, François M. M. B., Paris, France; vested in the Alien Property Custodian. Oscillation reducing device. 2,387,775; Oct. 30.

Salomon, Francois M. M. B., Paris, France; vested in the Alien Property Custodian. Oscillation reducing device. 2,387,776; Oct. 30.

Sanford, Roy S., and W. J. Andres, assignors to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Gear shifting mechanism. 2,388,088; Oct. 30.

Sargent, Robert E., and M. W. M. Devitt, Elmhurst, Long Island, N. Y. Fire extinguishing composition. 2,388,014; Oct. 30.

Sauer, Louis E., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cooling current limiting reactors. 2,387,947; Oct. 30.

Saunders, George E.: See—

Webb, H. J., and Saunders.

Savage, Albert B.: See—

Boulton, H. L., and Savage.

Sav-Way Industries: See—

Balton, Charles A., assignor.

Schaad, Raymond E., assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of aromatic hydrocarbons. 2,387,948; Oct. 30.

Schmidt, Vernon J., Long Beach, Calif. Race track. 2,387,859; Oct. 30.

Schroeder, Ernest R., Hawthorne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Sliding safety lock lever. 2,388,188; Oct. 30.

Schwarz, Werner W.: See—

Ingwer, M., and Schwarz.

Schweitzer, Carl E., Newport, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Amino acid synthesis. 2,388,189; Oct. 30.

Scinta, Anthony C., assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,388,089; Oct. 30.

Scott, Edwin W., Scotia, N. Y., assignor to General Electric Company. Electrode assembly. 2,388,090; Oct. 30.

Scott & Williams, Incorporated: See—

Page, Albert E. and F. R., assignors.

Scullen, Hugh J., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,387,860; Oct. 30.

Sealtest, Inc.: See—

Whitaker, R., Myers, and Homberger, assignors.

Searle, G. D., & Co.: See—

Burtner, Robert E., assignor.

Segall, Amelius B.: See—

Strickland, R. L., and Segall.

Self Seal Bottle Cap Company: See—

Guarnaschelli, Vincent, assignor.

Shafer Bearing Corporation: See—

Williams, Arthur H., assignor.

Sharp, Benwick J., Guatemala, Guatemala. Springless counter scale. 2,388,091; Oct. 30.

Sharples Chemicals Inc.: See—

Olin, John F., assignor.

Shaub, Frank G., and A. E. Jennens, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Smelter. 2,388,092; Oct. 30.

Shaw, Ebe R.: See—

Slater, C. A., Carpenter, and Shaw.

Sheffield Corporation, The: See—

Straw, Jesse H., assignor.

Shell Development Company: See—

Anderson, J., McAllister, and Ross, assignors.

Marple, Kenneth E., assignor.

Shoemaker, Robert C., assignor to Williamette Hyster Company, Portland, Oreg. Vehicle loader. 2,388,015; Oct. 30.

Shurtz, Wilbur F.: See—

Black, J. B., and Shurts.

Siegenthaler, Walter, assignor to Maschinenfabrik Schürer, Erlenbach, Zurich, Switzerland. Winding machine. 2,387,949; Oct. 30.

Silversparre, Gustav A., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Steam locomotive. 2,387,950; Oct. 30.

Simmons Company: See—

Woller, Edward E., assignor.

Sinclair Refining Company: See—

Herlocker, R. D., Kleinholz, and Watkins, assignors.

Singer Manufacturing Company, The: See—

Zonis, Sydney, assignor.

Slater, Charles A., A. D. Carpenter, and E. R. Shaw, Los Angeles, Calif. Hanger. 2,387,951; Oct. 30.

Smart, Ralph F., St. Louis, Mo., assignor to Meade Hyndman, Highland, Ill. Foldable cardboard box. 2,388,190; Oct. 30.

Smith, Arthur G., Elyria, Ohio. Cleaning device. 2,388,016; Oct. 30.

Smith, Charles C., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Control apparatus. 2,387,810; Oct. 30.

Smith, Clyde E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic timing system for sorting apparatus. 2,387,592; Oct. 30.

Smith, Frank, Huddersfield, England. Liquid delivery apparatus. 2,388,093; Oct. 30.

Smith, George P., Snyder, and F. C. Gressel, Ilion, assignors to Remington Rand Inc., Buffalo, N. Y. Accounting machine. 2,387,861; Oct. 30.

Smith, Harold W., and D. D. Paxton, Los Angeles, Calif. Producing fuel carburetion. 2,387,862; Oct. 30.

Smith, L. C., & Corona Typewriters, Inc.: See—

Bradt, Charles H., assignor.

Walker, C., assignor.

Smith, Mary G., et al., executrices: See—

Smith, Robert A., assignor.

Smith, Robert A., deceased, Mahwah, N. J.; M. G. Smith, M. S. Pryde, and M. S. van Brederode, executrices, assignors to L. W. Chubb, Jr., Sharon, Mass., as trustee. Device for receiving, retaining, and releasing articles. 2,388,221; Oct. 30.

Smith, Russell, Martinsville, Ind. Trap. 2,387,811; Oct. 30.

Snell, Samuel A., assignor, by mesne assignments, to Ryerson & Haynes, Inc., Jackson, Mich. Cartridge case. 2,388,094; Oct. 30.

Society of Chemical Industry in Basle: See—

Felix, F. and Zurcher, assignors.

Kaiser, Otto, assignor.

Socony-Vacuum Oil Company, Incorporated: See—

Nicholls, E. S., Noll, and Payne, assignors.

Williams, R. H., and Fuller, assignors.

Sohm, Herwart, Basel, Switzerland. Manufacture of paints. 2,388,017; Oct. 30.

Solar Aircraft Company: See—

Arnhym, Albert A., assignor.

Soltzberg, Sol, assignor to Atlas Powder Company, Wilmington, Del. Hexide diesters. 2,387,842; Oct. 30.

Somes, Howard E., Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Heat treatment of hardenable metallic articles. 2,388,231; Oct. 30.

Son-Chief Electrics, Incorporated: See—

Fitzgerald, Edward J., assignor.

Sonneborn, John R., Willow Grove, and J. Y. Albertson, assignors to Stokes and Smith Company, Philadelphia, Pa. System of producing evacuated packages. 2,387,812; Oct. 30.

Sossner, Abraham J., et al.: See—

Nachemov, Leonard, assignor.

Sossner, Nettie, et al.: See—

Nachemov, Leonard, assignor.

Sossner Steel Stamps: See—

Nachemov, Leonard, assignor.

Sossner, Theodore T., et al.: See—

Nachemov, Leonard, assignor.

Speight, Francis R., Dedham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Moccasin seam sewing machine. 2,387,813; Oct. 30.

Sperry Gyroscope Company: See—

Tawney, Gerald L., assignor.

Splaine, Edward M.: See—

Bernheim, D. P., Splaine, Lehmberg, Lown, and Barattelli.

Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting and making and adjusting the same. 2,388,191; Oct. 30.

Sprague Electric Company: See—

Burnham, J., and Hyde, assignors.

Stribke, Mary A.: See—

McClure, Charles A., assignor.

Stahley, Eldon E., Baton Rouge, La., assignor, by mesne assignments, to Jasco, Incorporated. Refining process. 2,388,095; Oct. 30.

Standard Oil Company: See—

Kubicek, N. F., and Carpenter, assignors.

Standard Oil Development Company: See—

Hemminger, Charles E., assignor.

Phillips, Gerald E., assignor.

Reeves, Edward D., assignor.

Reawick, Maurice, assignor.

Robertson, Anthony E., assignor.

Rodiger, Joseph C., assignor.

Thomas, R. M., and Reynolds, assignors.

Wadley, Edward F., assignor.

Wilson, James A., assignor.

Stanton, Arthur J., Bethesda, Md., and E. F. Campbell, Springfield, Va. Holsting mechanism. 2,387,777; Oct. 30.

Stechbart, Bruno, Park Ridge, assignor to The Bell & Howell Company, Chicago, Ill. Folding stand. 2,388,192; Oct. 30.

Stempel, Laszlo M., Coraopolis, assignor to The Lithograph Press Manufacturing Company, Pittsburgh, Pa. Printing element attaching device. 2,388,193; Oct. 30.

Stocking, Willard Y., Scarsdale, N. Y. Molding containers. 2,387,778; Oct. 30.

Stokes, F. J., Machine Company: See—

Flosdorf, E. W., Westin and Stokes, assignors.

Stokes, Francis J., Jr.: See—

Flosdorf, E. W., Westin, and Stokes.

Stokes and Smith Company: See—

Sonneborn, J. R., and Albertson, assignors.

Stop-Motion Devices Corporation: See—

Vossen, Edward, assignor.

Stover, Clyde N., Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for wrapping elongated articles. 2,388,018; Oct. 30.

Stow Manufacturing Co.: See—

Eisenbels, George G., assignor.

Strain, Daniel E.: See—

McAlevy, A., Strain, and Chance.

Strain, Franklin: See—

Muskat, I. E., and Strain.

Strauss, Ray C., Madison, Wis. Carrier unit. 2,387,779; Oct. 30.

Straussberger, Hans J., Brooklyn, N. Y., assignor to Alfred Hofmann, Inc., West New York, N. J. Forming of wells in straight knitting machines. 2,387,780; Oct. 30.

Straw, Jesse H., assignor to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,387,814; Oct. 30.

Stricker, Hilda W.: See—

Eddy, Arnold, assignor.

Strickland, Randolph L., Rochester, and A. B. Segall, assignors to Detroit Aluminum & Brass Corp., Detroit, Mich. Bearing. 2,388,019; Oct. 30.

Strobel, Charles K.: See—

Eskin, S. G., and Strobel.

Studebaker Corporation, The: See—

Michaloff, Alexander, assignor.

Sturtivant, B. F., Company: See—

Foss, Benjamin S., assignor.

Hanson, Milton E., assignor.

Hanson, M. E., and Palmer, assignors.

Suman, Robert W., Chicago, Ill., assignor to Link-Belt Company. Stoker. 2,387,781; Oct. 30.

Suwa, Ignaz F., Jackson Heights, assignor to Fish-Schurman Corporation, New York, N. Y. Universal type grinding tool. 2,388,020; Oct. 30.

Swartz, George W.: See—

McElhoo, C. B., and Swartz.

Tager, Frank, New York, N. Y. Rotary mold filling machine. 2,387,782; Oct. 30.

Tappan, Charles O., deceased, Brooklyn, N. Y., E. J. S. Farrell, administrator, assignor to K. H. Tappan, East Hartford, Conn. Stemming device for explosive charges. 2,388,232; Oct. 30.

Tappan, Kirby H.: See—

Tappan, Charles O., assignor.

Tawney, Gerald L., Hempstead, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Transmission line. 2,387,783; Oct. 30.

Taylor, Owen L.: See—

Ellis, D., and Taylor.

Technicolor Motion Picture Corporation: See—

Carlson, Adolphe E., assignor.

Klenninger, John F., assignor.

Tennessee Coal, Iron and Railroad Company: See—

Fairley, F. E., Lindquist, Michaels, and Rodgers, assignors.

Terry, Willard B., Salt Lake City, Utah. Traffic signal. 2,387,953; Oct. 30.

Texaco Development Corporation: See—

Garrison, A. D., and Yale, assignors.

Texas Company, The: See—

Patterson, J. A., and McCleary, assignors.

Ryan, W. J., and Kendall, assignors.

West, Frank S., assignor.

Thermoid Company: See—

Hall, William H., Jr., assignor.

Sall, Maurice, assignor.

Thomas, Howard W.: See—

Harris, Emory, assignor.

Thomas, John J., Newport News, Va. Hinge construction. 2,388,021; Oct. 30.

Thomas, Robert M., Union, N. J., and H. C. Reynolds, Jr., Belmont, Mass., assignors to Standard Oil Development Company. Polymerization process for normal olefins. 2,387,784; Oct. 30.

Thompson, Robert J., assignor to The W. O. Hickok Mfg. Co., Harrisburg, Pa. Paper feeding apparatus. 2,387,954; Oct. 30.

Tide Water Associated Oil Company: See—

Viland, C. K., and Hyde, assignors.

Tilson, Donald H., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Tamperproof closure. 2,387,955; Oct. 30.

Tilson, Donald H., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Tamperproof closure. 2,387,956; Oct. 30.

Topjian, Daniel, Watertown, Mass. Inhibiting odors. 2,387,957; Oct. 30.

Trico Products Corporation: See—

Scinta, Anthony C., assignor.

Trindl, John C., Chicago, Ill. Swab construction. 2,388,096; Oct. 30.

Troiel, Arthur E., Berkeley, Calif. Core for tubular castings. 2,387,815; Oct. 30.

Tucker, Emmitt M., and E. M., Jr., Grass Valley, and J. M. Tucker, Long Beach, assignors of one-tenth to J. J. Looer, Grass Valley, Calif. Hollow tap. 2,388,022; Oct. 30.

Tucker, Emmitt M., Jr.: See—

Tucker, E. M., E. M., Jr., and J. M.

Tucker, E. M., E. M., Jr., and J. M.

Turner, Albert F., Herkimer, assignor to Remington Rand Inc., Buffalo, N. Y. Tabulator. 2,387,863; Oct. 30.

Turner, Russell J., Butler, Pa. Rubber protector. 2,388,097; Oct. 30.

Twin Disc Clutch Company: See—

Black, J. B., and Shurts, assignors.

Tyrner, Joseph M., New York, N. Y. Electric circuit controller. 2,388,023; Oct. 30.

Tyrner, Joseph M., New York, N. Y., assignor to Air Reduction Company, Incorporated. Starting device for gravity arc welders. 2,387,864; Oct. 30.

Union Oil Company of California: See—

Fischer, P. V., and Jenkins, assignor.

Union Switch & Signal Company, The: See—

Bone, Herbert L., assignor.

McCann, Ronald A., assignor.

United Shoe Machinery Corporation: See—

Speight, Francis R., assignor.

United States Rubber Company: See—

Arlington, Conrad J., assignor.

Bright, Oscar L., assignor.

Universal Oil Products Company: See—

Lowry, Charles D., Jr., assignor.

Schaad, Raymond E., assignor.

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Wave length modulation. 2,388,098; Oct. 30.

Utah Radio Products Company: See—

Carbonneau, Gordon S., assignor.

V. Fuener, Wilhelm: See—

Pier, M., Free, and V. Fuener.

Vallez, Henry A., Bay City, Mich., assignor, by mesne assignments, to Inflico Incorporated, Chicago, Ill. Refining and purification of sugar juices. 2,388,195; Oct. 30.

Vallez, Henry A., Bay City, Mich., assignor, by mesne assignments, to Inflico Incorporated, Chicago, Ill. Purification of sugar juices and the like. 2,388,195; Oct. 30.

Van Brederode, Mary S., et al., executrices: See—

Smith, Robert A., assignor.

Van Kleeck, Arthur, Madison, Wis. Fire-retarding coating. 2,387,865; Oct. 30.

Vickers-Armstrongs Limited: See—

Wallis, Barnes N., assignor.

Vickers, Incorporated: See—

Pohl, Walter M., assignor.

Viland, Clare K., Martinez, and H. Y. Hyde, Associated, assignors to Tide Water Associated Oil Company, San Francisco, Calif. Manufacture of butylenes. 2,388,099; Oct. 30.

Visas, Sophia, Newark, N. J. Tie clip. 2,388,196; Oct. 30.

Vita-Meter Corporation: See—

Russell, Loren, assignor.

Vivian, Harold F.: See—

Salo, M., and Vivian.

Vossen, Edward, assignor to Stop-Motion Devices Corporation, Brooklyn, N. Y. Stop motion device for sewing machines. 2,387,958; Oct. 30.

Wadley, Edward F., Baytown, Tex., assignor to Standard Oil Development Company. Production of terpenes. 2,388,100; Oct. 30.

Wagner, Wilfred C., Detroit, Mich. Illuminating device. 2,387,816; Oct. 30.

Wakefield, C. C., & Company Limited: See—

Evans, E. A., and Elliott, assignors.

Wales, Nathaniel B., assignor to N. Bel Geddes, doing business as Norman Bel Geddes and Company, New York, N. Y. Automatic toaster. 2,387,817; Oct. 30.

Walker, Charles, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Typewriting machine. 2,387,785; Oct. 30.

Walker, Godfrey B., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Heavy media separation process. 2,387,866; Oct. 30.

Wallis, Barnes N., Weybridge, assignor to Vickers-Armstrongs Limited, Westminster, London, England. Range-finding apparatus. 2,388,197; Oct. 30.

Walter, Lewis A., East Orange, assignor to The Maltbie Chemical Company, Newark, N. J. Thiobarbituric acid derivatives and their salts. 2,388,024; Oct. 30.

Walter, Lewis A., and L. H. Goodson, East Orange, assignors to The Maltbie Chemical Company, Newark, N. J. α -chloroethyl sulphides and preparing the same. 2,388,025; Oct. 30.

Wandscheer, Evert, Sioux Center, Iowa. Snow plow. 2,387,959; Oct. 30.

Ward, Lawrence T., Philadelphia, Pa., assignor to Knapp-Monarch Company, St. Louis, Mo. Dispensing faucet. 2,388,026; Oct. 30.

Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Analytical system. 2,387,786; Oct. 30.

Watkins, Franklin M.: See—

Herlocker, R. D., Kleinholz, and Watkins.

Webb, Herbert J., Forest Hills, and G. E. Saunders, Arlington, Va., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Operating mechanism. 2,387,960; Oct. 30.

Weber, Arthur G.: See—

Brooks, R. E., Peterson, and Weber.

Well, Otto, New York, N. Y. Altimeter. 2,388,027; Oct. 30.

Weiss, John M., New York, assignor to John M. Weiss and Co., New York County, N. Y. Vaporization of organic compounds. 2,388,198; Oct. 30.

LIST OF PATENTEEES

- Weiss, John M., and Co.: *See*—
Weiss, John M., assignor.
Weizmann, Charles, London, England. Production of ketones. 2,388,101; Oct. 30.
Werner, Calvin J.: *See*—
Leland, R. W., and Werner.
West, Frank S., Houston, Tex., assignor to The Texas Company, New York, N. Y. Distillate production. 2,388,102; Oct. 30.
Western Electric Company, Incorporated: *See*—
Brooks, Percy E., assignor.
Jarvis, A. E., and Keller, assignors.
Merwin, Harry H., assignor.
Smith, Charles C., assignor.
Stover, Clyde N., assignor.
Westin, Charles J.: *See*—
Floudorf, E. W., Westin, and Stokes.
Westinghouse Electric Corporation: *See*—
Barnsteiner, A., assignor.
Bell, Maurice E., assignor.
Davis, Frederick R. J., assignor.
Dorfman, Leo O., assignor.
Ellis, D., and Taylor, assignors.
Haverstick, Samuel A., assignor.
Kerr, Charles, Jr., assignor.
Mitchell, Stanley J., assignor.
Putman, Henry V., assignor.
Rose, H. A., and Cox, assignors.
Sauer, Louis E., assignor.
Smith, Clyde E., assignor.
Webb, H. J., and Saunders, assignors.
Wethly, Frans, Manhasset, N. Y., assignor to Fuel Refining Corporation, Dover, Del. Apparatus for the production of sulphate of ammonia. 2,387,818; Oct. 30.
Weynand, Paul, San Antonio, Tex. Valve seat grinding tool. 2,387,787; Oct. 30.
Whitaker, James N., West Englewood, N. J., assignor to The Hammarlund Manufacturing Company, Incorporated, New York, N. Y. Radio-frequency transmitter. 2,388,233; Oct. 30.
Whitaker, Randall, R. P. Myers, and R. E. Homberger, assignors to Sealtest, Inc., Baltimore, Md. Sterilization of evaporated milk in glass containers. 2,388,103; Oct. 30.
Wihanto, Adolph K., Boston, Mass. Revolving electrical contact point. 2,387,961; Oct. 30.
Wiles, Ethel F., executrix: *See*—
Wiles, Russell, assignor.
Wiles, Russell, deceased, Chicago, Ill.: E. F. Wiles, executrix, assignor to E. F. Wiles. Trigger. 2,387,788; Oct. 30.
Willamette Hyster Company: *See*—
Shoemaker, Robert C., assignor.
Williams, Alfred O., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Brake. 2,388,104; Oct. 30.
Williams, Arthur H., Riverside, assignor to Shafer Bearing Corporation, Chicago, Ill. Antifriction bearing. 2,387,962; Oct. 30.
Williams, Robert H., Merchantville, and E. W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,388,199; Oct. 30.
Williams, William E., Pasadena, Calif. Ophthalmic mounting, more particularly lenses for mountings, and making the same. 2,387,789; Oct. 30.
Williamson, Hilding V., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Fire extinguishing method and apparatus. 2,387,963; Oct. 30.
Williamson, Marshall I., New Haven, Conn. Multicompartment carton. 2,387,790; Oct. 30.
Wilmotte, Raymond M., Washington, D. C. Frequency modulation system. 2,388,200; Oct. 30.
Wilson, James A., Linden, N. J., assignor to Standard Oil Development Company. Spectrograph. 2,388,105; Oct. 30.
Wingfield, John B., Umatilla, Fla. Sandal. 2,387,819; Oct. 30.
Wirth, James F.: *See*—
Cuddigan, B. O., and Wirth, assignors.
Wittek Manufacturing Co.: *See*—
Hoeh, Joseph, assignor.
Wohlhieter, Joseph W., East Orange, assignor to The Palmat Company, Irvington, N. J. Clamp. 2,388,201; Oct. 30.
Wolfson, Edith W., administratrix: *See*—
Westin, Charles J.
Woller, Edward E., Kenosha, Wis., assignor to Simmons Company. Method and apparatus for making spring assemblies. 2,388,106; Oct. 30.
Wolstenholme, Harry F., Paterson, N. J. Rotary engine. 2,387,964; Oct. 30.
Wood, Sydney M., Lake Bluff, Ill. Beach protection. 2,387,965; Oct. 30.
Woodward, Eric R., assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Production of chlorine dioxide. 2,388,202; Oct. 30.
Yale & Towne Manufacturing Company, The: *See*—
Heyer, Frederic K., assignor.
Johnstone, Theodore H., assignor.
Yale, William D.: *See*—
Garrison, A. D., and Yale.
Yonkers, Edward H., Jr.: *See*—
Meaker, J. W., and Yonkers.
Zander, Gustaf R., Stockholm, Sweden. Gymnastic apparatus for mobilizing stiff joints. 2,387,966; Oct. 30.
Zieger, Eugene, West Didsbury, Manchester, England. Production of photomechanical printing surfaces. 2,388,107; Oct. 30.
Zimmerman, Henry, St. Louis, Mo. Tapping cement. 2,387,967; Oct. 30.
Zindel, George, Jr., Elkins Park, assignor to Philco Radio & Television Corporation, Philadelphia, Pa. Viewing device for cathode ray tube screens and the like. 2,388,203; Oct. 30.
Zonis, Sydney, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating device for sewing machines. 2,387,968; Oct. 30.
Zublin, John A., Los Angeles, Calif. Manufacturing rolling cutters for drilling purposes. 2,388,108; Oct. 30.
Zubri-Zol Corporation, The: *See*—
Knutson, A. T., and Graves, assignors.
Zurcher, Josef, administrator: *See*—
Felix, F., and Zurcher.
Zurcher, Werner: *See*—
Felix, F., and Zurcher.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 30TH DAY OF OCTOBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Brake cooling for centrifugals and the like. E. Roberts. Re. 22,686; Oct. 30.	Valve arrangement. W. H. Carrier. Re. 22,685; Oct. 30.
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LIST OF DESIGN INVENTIONS

- Ash tray. B. Blecher. 142,692-4; Oct. 30.
Ash tray. E. J. Lytle. 142,722; Oct. 30.
Ash tray and holder for smokers' articles, Combined. J. G. Vasquez. 142,753; Oct. 30.
Bar, Oil. F. L. Ayres. 142,687; Oct. 30.
Baseball game device. M. C. Meyer. 142,723; Oct. 30.
Book end. D. J. Smith. 142,745; Oct. 30.
Bottle, Beverage. E. R. Stackpole. 142,746; Oct. 30.
Bracelet and watch, Combined. H. Graeter. 142,713; Oct. 30.
Cab. Tractor. C. Zeller. 142,671; Oct. 30.
Cabinet, Refrigerator. E. Keller. 142,715; Oct. 30.
Case, Display. H. K. Tourneau. 142,750; Oct. 30.
Case or similar article, Cigarette. S. Dawer. 142,705; Oct. 30.
Chair or similar article. B. R. Well. 142,758; Oct. 30.
Comb or the like. J. C. Foster. 142,711; Oct. 30.
Cooker, Pressure. N. W. Keller. 142,716; Oct. 30.
Cookers, Relief valve for pressure. N. W. Keller. 142,717; Oct. 30.
Cover or similar article, Milk can. V. W. Ferris. 142,701; Oct. 30.
Dental laboratory bench and cabinet, Combined. E. D. Beebe. 142,688-9; Oct. 30.
Desk. G. C. Brainard and R. Loewy. 142,699; Oct. 30.
Desk unit, Combination. G. Calabrese. 142,700; Oct. 30.
Doll. M. C. E. Eby. 142,709; Oct. 30.
Doll or similar article. M. M. Stevens and E. M. Rice. 142,747-8; Oct. 30.
Earring. F. Morrow. 142,736; Oct. 30.
Frame for an invalid wheel chair. J. G. Rideout. 142,743; Oct. 30.
Frame or the like, Picture. E. D. Kissling. 142,719; Oct. 30.
Frame or the like, Reversible picture. E. D. Kissling. 142,720; Oct. 30.
Garment, Hospital. F. Cohen. 142,702; Oct. 30.
Handbag. M. M. Dentz. 142,706; Oct. 30.
Holder, Place card. G. Wortman. 142,757; Oct. 30.
Holster and knife scabbard, Combined pistol. M. C. Pratt. 142,741; Oct. 30.
Housing, Flush valve. G. S. Lawson. 142,721; Oct. 30.
Humidifier. W. A. Norris. 142,737; Oct. 30.
Kettle. J. Gilchrist. 142,712; Oct. 30.
Lighter. W. J. Campbell. 142,701; Oct. 30.
Metal working machine, Single spindle automatic. A. E. Drissner. 142,707; Oct. 30.
Mirror, Hand. S. J. Winslow. 142,756; Oct. 30.
Mirror, Round-the-neck. S. J. Winslow. 142,759; Oct. 30.
Ornament or similar article, Lapel. C. Wandt. 142,754; Oct. 30.
Pin. C. L. Migliaccio. 142,724; Oct. 30.
Pin or similar article. B. Colp. 142,704; Oct. 30.
Pin or similar article, Brooch. F. Bieberbach. 142,690; Oct. 30.
Pin or similar article, Jewelry. F. Morrow. 142,725-35; Oct. 30.
Pipe, Tobacco. H. G. Wyse. 142,760; Oct. 30.
Reel, Fishing. R. R. Allen. 142,686; Oct. 30.
Seat, Child's swing. I. C. Ebbing. 142,708; Oct. 30.
Seat, Toilet. J. D. Williams, Jr. 142,755; Oct. 30.
Shaker or similar article, Condiment. B. Blecher. 142,695-8; Oct. 30.
Shaker or the like, Salt. R. Shatkin. 142,744; Oct. 30.
Shoe, Baby. M. E. Tiemeyer and E. E. Bates. 142,749; Oct. 30.
Spoon or other article of flatware. L. V. M. Helander. 142,714; Oct. 30.
Stand, Produce display. J. Tyler. 142,752; Oct. 30.
Stand, Telephone. J. O. Reinecke. 142,742; Oct. 30.
Tag and money clip, Combined identification. H. S. Kirsch. 142,718; Oct. 30.
Tire. W. F. Billingsley. 142,691; Oct. 30.
Valve. E. J. Collins. 142,703; Oct. 30.
Vehicle, Motor. J. C. Parkin and S. A. Bucholtz. 142,738; Oct. 30.
Weltling. W. E. Phinney. 142,739-40; Oct. 30.
Writing tip section of a fountain pen. J. Tully. 142,751; Oct. 30.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 30TH DAY OF OCTOBER, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerator, Rubber. A. R. Davis. 2,387,834; Oct. 30.
Accounting machine. G. P. Smith and F. C. Gressel. 2,387,861; Oct. 30.
Acetals and making same, Polymeric. J. Dahle. 2,387,833; Oct. 30.
Acid derivatives and their salts, Thiobarbituric. L. A. Walter. 2,388,024; Oct. 30.
Acid-treating a thermally cracked petroleum distillate. W. J. Ryan and M. T. Kendall. 2,388,087; Oct. 30.
Actuator. Z. C. Bradford. 2,387,713; Oct. 30.
Actuator. R. W. Leland and C. J. Werner. 2,387,800; Oct. 30.
Adjustable support. N. V. Hendricks. 2,388,056; Oct. 30.
Adsorbent making and using same. S. W. Briggs. 2,387,714; Oct. 30.
Adsorbents, Regenerating spent. E. S. Nicholls, H. D. Noll, and J. W. Payne. 2,387,936; Oct. 30.
Aircraft. L. H. Leonard. 2,387,762; Oct. 30.
Aircraft control apparatus. S. G. Isserstedt. 2,387,795; Oct. 30.
Airplane towing mechanism. O. Rasor. 2,388,013; Oct. 30.
Air scoop for airplane engines. T. C. Barber. 2,388,028; Oct. 30.
Airscoop for internal-combustion engines. F. C. Mock. 2,388,213; Oct. 30.
Alloy steel. J. C. Eckel. 2,388,128; Oct. 30.
Alloys, Heat-treating magnesium. R. S. Busk. 2,388,120; Oct. 30.
α-Chloroethyl sulphides and preparing the same. L. A. Walter and L. H. Goodson. 2,388,025; Oct. 30.
Altimeter. O. Well. 2,388,027; Oct. 30.
Alumina and silicon carbide refractory. F. H. Riddle. 2,388,080; Oct. 30.
Amides. M. Katzman. 2,388,154; Oct. 30.
Amines, Production of primary and secondary. B. S. Biggs. 2,388,034; Oct. 30.
Amino acid separation. R. J. Block. 2,387,824; Oct. 30.
Amino acid synthesis. C. E. Schweitzer. 2,388,189; Oct. 30.
Amino plastics, High strength laminated. K. E. Ripper. 2,388,184; Oct. 30.
Aminotriazine-aldehyde resins, Hardenable. R. R. Harris. 2,388,143; Oct. 30.
Analytical system. H. W. Washburn. 2,387,786; Oct. 30.
Anhydrous acid, Segregation of. C. S. Kelley. 2,388,156; Oct. 30.
Antifriction bearing. A. H. Williams. 2,387,962; Oct. 30.
Apparatus for coating record blanks. L. E. Dettle. 2,388,126; Oct. 30.
Apparatus for determining hydrogen in steel. W. D. Brown. 2,387,978; Oct. 30.
Apparatus for filling containers with liquids, pastes, or discrete material. D. W. Bingham. 2,388,036; Oct. 30.
Apparatus for measuring liquids. R. W. McBrien. 2,387,922; Oct. 30.
Apparatus for the production of sulphate of ammonia. F. Wethly. 2,387,818; Oct. 30.
Apparatus for wrapping elongated articles. C. N. Stover. 2,388,018; Oct. 30.
Arm control. Pickup. A. L. Knox and F. Kahl. 2,387,916; Oct. 30.
Armature construction for dynamo-electric machines. F. R. J. Davis. 2,387,885; Oct. 30.
Article handling apparatus. H. H. Merwin. 2,388,005; Oct. 30.
Attenuator. J. T. Goode. 2,388,049; Oct. 30.
Automatic control for internal-combustion engines. D. P. Kearney. 2,387,911; Oct. 30.
Azo dyes, Nitro sulphate. F. Felix and W. Zurcher. 2,387,987; Oct. 30.
Beach protection. S. M. Wood. 2,387,965; Oct. 30.
Bearing: See—
Antifriction bearing. Journal bearing.
Bearing. R. L. Strickland and A. B. Segall. 2,388,019; Oct. 30.
Bearing surfaces with lubricants, Treatment of. M. E. Bell. 2,387,872; Oct. 30.
Benzene, Alkylation of. W. A. Pardee and R. F. Dodge. 2,388,007; Oct. 30.
Biological apparatus, container, and method. E. W. Flossdorf, C. J. Westin, and F. J. Stokes, Jr. 2,388,134; Oct. 30.
Bobsled. J. V. Heagney. 2,388,145; Oct. 30.
Bottle cap. V. Guarnaschelli. 2,388,050; Oct. 30.

Box: See—
Foldable cardboard box.
Bracket: See—
Swing bracket.
Brake. A. O. Williams. 2,388,104; Oct. 30.
Brake mechanism. R. L. Barr. 2,387,711; Oct. 30.
Braking system for automotive vehicles. W. E. Chilton. 2,387,716; Oct. 30.
Braking system, Tractor-trailer. E. R. Price. 2,387,942; Oct. 30.
Breakwater for seaplanes, flying boats and for other uses, Floating. E. W. McVitty. 2,388,171; Oct. 30.
Brooder. O. B. Kerr. 2,388,157; Oct. 30.
Bulldozer and shovel, Combination. W. A. Maxwell. 2,387,764; Oct. 30.
Burner control. H. A. Crews. 2,388,124; Oct. 30.
Butadiene, Extraction of. D. Craig. 2,388,041; Oct. 30.
Butadiene, Manufacture of. K. H. Hachmuth. 2,387,992; Oct. 30.
Butane to butadiene, Conversion of normal. E. D. Reeves. 2,388,078; Oct. 30.
Butylenes, Manufacture of. C. K. Viland and H. Y. Hyde. 2,388,099; Oct. 30.
Cabinet: See—
Portable parts cabinet.
Cable elbow. J. E. Harville. 2,387,729; Oct. 30.
Calendar edging and calendar and method and machine for assembling same. J. L. Pruneau, J. Mullally, and J. P. Hanrahan. 2,387,808; Oct. 30.
Cap: See—
Bottle cap.
Cap detector for automatic bottle vending machines. N. M. Denison. 2,388,125; Oct. 30.
Carbon bisulphide, Recovery of. E. L. Luaces. 2,387,763; Oct. 30.
Carbon brake body and metal holder unit. O. Conradty. 2,388,123; Oct. 30.
Carboxylic amino acid, Forming. F. C. Bersworth. 2,387,735; Oct. 30.
Carboxylic substituted amines, Forming. F. C. Bersworth. 2,387,976; Oct. 30.
Carding machine, Wool. F. Beaudoin. 2,388,030; Oct. 30.
Carrier unit. R. C. Strauss. 2,387,779; Oct. 30.
Carton, Dispensing. F. A. Marx. 2,388,168; Oct. 30.
Carton, Multicompartment. M. I. Williamson. 2,387,790; Oct. 30.
Cartridge case. S. A. Snell. 2,388,094; Oct. 30.
Case: See—
Cartridge case.
Casting. H. E. McWane and H. K. McGavock. 2,387,803; Oct. 30.
Catalytic conversion of hydrocarbons, Continuous. N. F. Kubicek and M. T. Carpenter. 2,387,798; Oct. 30.
Cellulose matter and resulting product, Processes for treating. C. Luckhaupt. 2,387,801; Oct. 30.
Cement, Tabling. H. Zimmerman. 2,387,967; Oct. 30.
Ceramic composition. W. H. Hicks. 2,388,060; Oct. 30.
Chain: See—
Potato grader chain.
Changeable price sign. A. H. Pulver, Jr. 2,388,180; Oct. 30.
Circuit breaker. S. J. Mitchell. 2,387,925; Oct. 30.
Clamp. J. W. Wohlbleter. 2,388,201; Oct. 30.
Cleaner: See—
Windshield cleaner.
Cleaning device. A. G. Smith. 2,388,016; Oct. 30.
Cleaning device, Window. N. E. Miller. 2,387,926; Oct. 30.
Cleaning machine, Dry. L. E. Berry. 2,387,823; Oct. 30.
Clip: See—
Tie clip.
Closure for vessels. T. B. Casey. 2,387,978; Oct. 30.
Closure, Tamperproof. D. H. Tilson. 2,387,955-6; Oct. 30.
Coating composition, Hot-melt. M. Salo and H. F. Vivian. 2,387,773-4; Oct. 30.
Coating, Fire-retarding. A. Van Kleeck. 2,387,865; Oct. 30.
Cock, Blow off. D. A. Kelly. 2,387,912; Oct. 30.
Coffee brewer or maker, Automatic. R. C. Baumann. 2,387,871; Oct. 30.
Coil support and armature guide. D. Ellis and O. L. Taylor. 2,387,892; Oct. 30.
Collapsible tube. B. Bogoslovsky. 2,387,738; Oct. 30.
Column for tanks and the like, Supporting. L. Albrecht. 2,387,969; Oct. 30.
Comb, Fountain-type. C. A. McClure. 2,387,924; Oct. 30.
Communication method and system. C. W. Hansell. 2,388,053; Oct. 30.

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Composition comprising an organo-lithium product. W. F. Luckenbach, Jr. 2,388,166; Oct. 30.
Composition of matter. I. E. Muskat and F. Strain. 2,387,932; Oct. 30.
Composition of matter and polymerization products thereof. I. E. Muskat and F. Strain. 2,387,934; Oct. 30.
Compounds to produce drying products, Treating organic. I. M. Colbeth. 2,388,122; Oct. 30.
Condenser: See—
Metallized paper electrical condenser.
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Constant multiplier control. A. B. Machado. 2,388,211; Oct. 30.
Construction for glass melting tanks. G. D. Campbell. 2,387,880; Oct. 30.
Contacting element. F. R. Hensel. 2,387,903; Oct. 30.
Container and iron. A. C. Hoecker. 2,387,757; Oct. 30.
Container for fluids, Storage. W. G. Laird. 2,388,163; Oct. 30.
Container holder. W. O. Demuth. 2,387,982; Oct. 30.
Containers, Molding. W. Y. Stocking. 2,387,778; Oct. 30.
Control apparatus. C. C. Smith. 2,387,810; Oct. 30.
Control device. J. D. Bolecky. 2,388,113; Oct. 30.
Control device, Selecting. E. A. Derungs. 2,388,043; Oct. 30.
Control mechanism, Fluid pressure. W. A. Eaton. 2,388,045; Oct. 30.
Control vanes for fans. B. S. Foss. 2,388,208; Oct. 30.
Controller, Steam quality. A. Clarkson. 2,387,717; Oct. 30.
Controlling means, Liquid level. P. S. Russel. 2,387,858; Oct. 30.
Cooling hydraulic coupling brakes, Method and apparatus for. J. B. Black and W. F. Shurts. 2,388,112; Oct. 30.
Core for tubular castings. A. E. Troiel. 2,387,815; Oct. 30.
Core structure, Magnetic. H. V. Putman. 2,387,943; Oct. 30.
Cork-like products from polymers of ethylene, Obtaining. W. L. Alderson, Jr. 2,387,730; Oct. 30.
Corrosion, Inhibition of. E. H. Keller. 2,388,155; Oct. 30.
Coupler, Pipe. E. D. Buchanan. 2,388,117; Oct. 30.
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Craft of the hydroplane type. C. Hook. 2,387,907; Oct. 30.
Curler, Hair. M. F. Basky. 2,387,822; Oct. 30.
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Cutting device. O. L. Bright. 2,387,876; Oct. 30.
Cylinder head of internal-combustion engines. F. M. Aspin. 2,387,972; Oct. 30.
Cylinder liner and cylinder. F. M. Aspin and F. Ellinghouse. 2,387,971; Oct. 30.
Decoding system. M. H. Loughridge. 2,387,850; Oct. 30.
Deflector for shot holes. Spray. S. D. Rogers, P. J. Rudolph, and W. L. Crawford. 2,387,770; Oct. 30.
Delivery apparatus, Liquid. F. Smith. 2,388,093; Oct. 30.
Device for installing and removing tubular lamps and the like. G. D. Graumlich. 2,388,137; Oct. 30.
Device for receiving, retaining, and releasing articles. R. A. Smith. 2,388,221; Oct. 30.
Device for sewing machines, Stop motion. E. Vossen. 2,387,958; Oct. 30.
Diamines, Secondary. W. R. Boon and A. R. Lowe. 2,387,873; Oct. 30.
Die. P. E. Brooks. 2,388,115; Oct. 30.
Dieters, Hexide. S. Soltzberg. 2,387,842; Oct. 30.
Diolefines, Manufacture of. J. G. Allen. 2,387,731; Oct. 30.
Dispenser for washing compounds. S. A. Raymond. 2,387,944; Oct. 30.
Dispensing apparatus. E. E. McDow. 2,387,945; Oct. 30.
Dispensing apparatus for liquids. R. W. McBrien. 2,387,923; Oct. 30.
Distillate production. F. S. West. 2,388,102; Oct. 30.
Distributor, Sound. S. H. Barclay. 2,387,974; Oct. 30.
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Drill bits, Manufacture of detachable. E. H. Dickenson. 2,387,983; Oct. 30.
Drive mechanism, Wabblers. F. C. Howard. 2,387,908; Oct. 30.
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Duplicating machine. C. H. Bradt. 2,387,739-40; Oct. 30.
Dyestuff derivatives of 5-amino-1,3 benzodioxole, Azo. H. Z. Lecher and J. P. Goulding. 2,387,848; Oct. 30.
Dyestuffs, Metallizable polyazo triazine. O. Kaiser. 2,387,997; Oct. 30.
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Electric circuit controller. J. M. Tyrner. 2,388,023; Oct. 30.
Electric hammer. F. V. Rosenbrook. 2,387,771; Oct. 30.
Electric translating apparatus and control equipment therefor. M. M. Morack. 2,388,072; Oct. 30.
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Electrical condensers, Manufacturing. K. W. Jarvis. 2,387,759; Oct. 30.
Electrical contact point, Revolving. A. K. Wilhanto. 2,387,961; Oct. 30.
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Electrode, Welding. J. Hoeh. 2,387,905; Oct. 30.
Electrodeposition, method and apparatus. S. Ruben. 2,387,772; Oct. 30.
Electromagnetic apparatus. H. D. Middel. 2,388,070; Oct. 30.
Electro-mechanical control system for vehicles. W. Giger. 2,387,896; Oct. 30.
Electroperforation of sheet material. J. W. Meaker and E. H. Yonkers, Jr. 2,388,069; Oct. 30.
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Esters. D. J. Loder. 2,388,164; Oct. 30.
Esters and polymers thereof, Unsaturated. I. E. Muskat and F. Strain. 2,387,931; Oct. 30.
Esters and polymers thereof, Unsaturated. I. E. Muskat and F. Strain. 2,387,933; Oct. 30.
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Ethylene polymers, Separating. N. W. Krase. 2,388,160; Oct. 30.
Evacuated packages, System of producing. J. R. Sonneborn and J. Y. Albertson. 2,387,812; Oct. 30.
Extrusion apparatus. C. E. Coleman. 2,387,718; Oct. 30.
Eye protection means. C. A. Barattelli, D. P. Bernheim, and W. Lown. 2,387,821; Oct. 30.
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Fastening appliance for disk records. F. B. Downing. 2,388,127; Oct. 30.
Fats, Hydrolyzing. R. C. Daniels. 2,387,884; Oct. 30.
Faucet, Dispensing. L. T. Ward. 2,388,026; Oct. 30.
Feed-water connection to boiler drum. W. S. Patterson and J. L. Barnes. 2,388,177; Oct. 30.
Feeding mechanism for container parts. J. A. Moore. 2,387,766; Oct. 30.
Filling liquid gas bottles. R. B. Fannin. 2,387,894; Oct. 30.
Filling machine, Rotary mold. F. Tager. 2,387,782; Oct. 30.
Film exposing apparatus. A. E. Carlson. 2,387,881; Oct. 30.
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Filtering medium. J. M. Garriga. 2,387,726; Oct. 30.
Fire detection system. F. C. Evans. 2,387,752; Oct. 30.
Fire extinguishing composition. R. E. Sargent and M. W. M. Devitt. 2,388,014; Oct. 30.
Fire extinguishing method and apparatus. L. D. Myers. 2,387,935; Oct. 30.
Fire extinguishing method and apparatus. H. V. Williamson. 2,387,963; Oct. 30.
Flasher switch. K. L. Berninger. 2,388,033; Oct. 30.
Flashlight, Portable. J. Frank and A. R. Marr. 2,387,753; Oct. 30.
Flexible shafting. G. G. Eisenbeis. 2,388,129; Oct. 30.
Floor furnace. A. D. Olds. 2,387,939; Oct. 30.
Fluid control flow. R. W. Olsen. 2,388,073; Oct. 30.
Fluid dispensing device, Sanitary. D. Berman. 2,388,111; Oct. 30.
Fluid drive transmission, Multiple stage. R. E. Keller. 2,388,062; Oct. 30.
Fluid pressure device. C. M. Kendrick. 2,387,761; Oct. 30.
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Folding stand. B. Stechbart. 2,388,192; Oct. 30.
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4-Methyl-alpha-methyl styrene from bicyclic terpenes. J. K. Dixon. 2,387,836; Oct. 30.

Frequency modulation system. R. M. Wilmette. 2,388,200; Oct. 30.
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Frictional mechanism. W. H. Hunter. 2,388,151; Oct. 30.
Fruit and vegetable juicer. J. E. Bennett. 2,387,975; Oct. 30.
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Gauging device. J. H. Straw. 2,387,814; Oct. 30.
Gear shifting mechanism. K. S. Sanford and W. J. Andres. 2,388,088; Oct. 30.
Glider. C. F. Abel and A. I. Lodwick. 2,388,109; Oct. 30.
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Grinder. A. Michaloff. 2,388,172; Oct. 30.
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Half cell with thermal barrier. J. B. Godshalk. 2,387,727; Oct. 30.
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Handling mechanism for match combs and match comb packets. R. S. Pullen. 2,388,011; Oct. 30.
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Header construction for harvesting machines. S. C. Heth. 2,388,147; Oct. 30.
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Polymerization process. M. D. Peterson. 2,388,178; Oct. 30.
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Polymerizing olefinic materials. R. E. Brooks, M. D. Peterson, and A. G. Weber. 2,388,225; Oct. 30.
Polymers of ethylene, Hydrogen-modified. W. E. Hanford. 2,387,755; Oct. 30.
Portable parts cabinet. J. Brownlie and R. Gerstenzang. 2,387,741; Oct. 30.
Portable steaming apparatus. H. K. Elman and R. C. Bergmann. 2,387,724; Oct. 30.
Potato grader chain. T. J. Lockwood. 2,387,918; Oct. 30.
Precision grinding wheel dressing device for pantograph machines. L. Nachemov. 2,388,216; Oct. 30.
Preparation of diolefinic resins. H. L. Gerhart. 2,387,895; Oct. 30.
Preparation of ethylene polymers. C. H. Greenewalt. 2,388,138; Oct. 30.
Press: See—
Printing press.
Press. R. P. Frost. 2,387,839; Oct. 30.
Printing element attaching device. L. M. Stempel. 2,388,193; Oct. 30.
Printing, Imbibition. J. F. Kieninger. 2,387,914; Oct. 30.
Printing press. W. W. Davidson. 2,387,750; Oct. 30.
Production of chlorine dioxide. E. R. Woodward. 2,388,202; Oct. 30.
Production of ketones. C. Weizmann. 2,388,101; Oct. 30.
Production of terpenes. E. F. Wadley. 2,388,100; Oct. 30.
Protection means and supporting means thereof, Eye. W. H. Lehmborg, C. A. Baratelli, and W. Lown. 2,387,849; Oct. 30.
Protector: See—
Rubber protector.
Pump device for machines for applying coating material to articles moving in processions. G. H. Bierman. 2,387,736; Oct. 30.
Pumping system. G. A. Patterson. 2,387,941; Oct. 30.
Punch. J. T. Ferry. 2,387,837; Oct. 30.
Punching mechanism. K. J. Braun and O. E. Kase. 2,387,828; Oct. 30.
Purification of sugar juices and the like. H. A. Vallez. 2,388,195; Oct. 30.
Purification of sugar solutions. A. S. Behrman. 2,388,222; Oct. 30.

Purification of sugar solutions. A. S. Behrman. 2,388,224; Oct. 30.
Purification of sugar solutions and the like. A. S. Behrman. 2,388,223; Oct. 30.
Pusher, Stack. C. M. Ellis. 2,387,985; Oct. 30.
Pyrolysis of pinane. A. L. Rummelsburg. 2,388,084; Oct. 30.
Quick-acting control valve. C. A. Balton. 2,387,733; Oct. 30.
Railway switch operating mechanism. H. L. Bone. 2,387,826; Oct. 30.
Range-finding apparatus. B. N. Wallis. 2,388,197; Oct. 30.
Range, Gas. A. L. Rose. 2,387,809; Oct. 30.
Rate of turn meter and bank indicator. F. A. Noxon. 2,387,938; Oct. 30.
Razor, Electric. C. L. Henningsen. 2,387,756; Oct. 30.
Razor, Floating. G. Monnet. 2,387,765; Oct. 30.
Reactance. R. W. Keiser. 2,387,797; Oct. 30.
Reactors, Cooling current limiting. L. E. Sauer. 2,387,947; Oct. 30.
Reducing device, Oscillation. F. M. M. B. Salomon. 2,387,776; Oct. 30.
Refining and purification of sugar juices. H. A. Vallez. 2,388,194; Oct. 30.
Refining process. E. E. Stahly. 2,388,095; Oct. 30.
Refrigerating apparatus. W. Giffard. 2,387,840; Oct. 30.
Refrigerating apparatus. H. J. Scullen. 2,387,860; Oct. 30.
Refrigeration system for air-conditioned passenger vehicles. M. E. Hanson and B. T. Palmer. 2,388,210; Oct. 30.
Register, Cash. J. J. Klosterman. 2,388,063; Oct. 30.
Release agent for film-casting and embossing operations. H. L. Boulton and A. B. Savage. 2,388,206; Oct. 30.
Reduction of sound. J. R. Cooney. 2,387,832; Oct. 30.
Resin compositions, Vinyl. R. M. Goepp, Jr. 2,387,841; Oct. 30.
Revolutions counter actuator. C. M. F. Friden. 2,388,209; Oct. 30.
Ring: See—
Piston ring.
Rivet, Explosion. L. A. Burrows. 2,387,742; Oct. 30.
Roll changing device. K. Egge. 2,387,890; Oct. 30.
Rollers of drafting mechanism for textile fibers. J. Noguera. 2,387,937; Oct. 30.
Rolling cutters for drilling purposes, Manufacturing. J. A. Zublin. 2,388,108; Oct. 30.
Rotary engine. H. F. Wolstenholme. 2,387,964; Oct. 30.
Rubber composition and making same. S. L. Brams. 2,388,037; Oct. 30.
Rubber protector. R. J. Turner. 2,388,097; Oct. 30.
Safety control for fuel burners. S. G. Eskin and C. K. Strobel. 2,388,130; Oct. 30.
Sandal. J. B. Wingfield. 2,387,819; Oct. 30.
Scales, Springless counter. E. J. Sharp. 2,388,091; Oct. 30.
Scale, Squaring. E. R. Nachel. 2,388,174; Oct. 30.
Scissors and shears sharpener. O. L. Catt. 2,388,039; Oct. 30.
Score indicator. H. E. Hoffman. 2,387,847; Oct. 30.
Screen: See—
Well screen.
Screen printing. A. Eddy. 2,387,984; Oct. 30.
Screw, Self-threading. F. L. Davis. 2,387,720; Oct. 30.
Sear for firearms. F. L. Humeston. 2,388,149; Oct. 30.
Separation of trimethyl amine and ammonia from amination reaction mixtures. J. F. Olin. 2,388,217; Oct. 30.
Separation process, Heavy media. G. B. Walker. 2,387,866; Oct. 30.
Shaft articles, Coating. W. D. Kmentt. 2,388,159; Oct. 30.
Sharpening device. F. E. Broberg. 2,387,877; Oct. 30.
Shear pin drive, rotary. R. A. Rowsey. 2,388,186; Oct. 30.
Sheet cutting machine. R. E. J. Nordquist. 2,387,767; Oct. 30.
Sheets, Coating. F. E. Fairley, L. T. Lindquist, C. D. Michaels, and H. C. Rodgers. 2,388,131; Oct. 30.
Sheets, Forming glass. M. L. Devoil. 2,387,886; Oct. 30.
Sign: See—
Changeable price sign.
Signal: See—
Traffic signal.
Signal translating device. H. H. Bruderlin. 2,388,116; Oct. 30.
Signaling. C. W. Hansell. 2,388,052; Oct. 30.
Silicane and preparing the same, Tetra-allyl. E. L. Kropa. 2,388,161; Oct. 30.
Slip indicator. S. A. Haverstick. 2,387,901; Oct. 30.
Smelter. F. G. Shaub and A. E. Jennens. 2,388,092; Oct. 30.
Snubber. D. M. Light. 2,388,229-30; Oct. 30.
Sodium and potassium phosphates, Producing. H. S. Colton, R. L. Knowles, and R. W. Frischmuth. 2,387,746; Oct. 30.
Solid tire cushion wheel. P. Murphy. 2,387,930; Oct. 30.
Spectrograph. J. A. Wilson. 2,388,105; Oct. 30.
Spill for aircraft. A. A. Arnheim. 2,387,708; Oct. 30.
Split center window jack. E. Harris. 2,388,142; Oct. 30.
Spring assemblies, Making. E. E. Woller. 2,388,106; Oct. 30.

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Spring assembly for trucks or the like, Load bearing. R. A. Bradley. 2,387,874; Oct. 30.
 Stand: See—
 Folding stand.
 Starting device for gravity arc welders. J. M. Tyrner. 2,387,864; Oct. 30.
 Steel, Deep-drawing. J. E. Lose. 2,387,919; Oct. 30.
 Steering mechanism for vehicles. J. Rodway. 2,388,185; Oct. 30.
 Steering mechanism, Vehicle. T. H. and W. H. Briggs. 2,388,038; Oct. 30.
 Stemming device for explosive charges. C. O. Tappan. 2,388,232; Oct. 30.
 Sterilization of evaporated milk in glass containers. R. Whitaker, R. P. Myers, and R. E. Homberger. 2,388,103; Oct. 30.
 Stoker. R. W. Suman. 2,387,781; Oct. 30.
 Storage batteries, Sealing. R. A. Daily. 2,388,042; Oct. 30.
 Support: See—
 Adjustable support.
 Swab construction. J. C. Trindl. 2,388,096; Oct. 30.
 Swing bracket. P. De Bruin. 2,387,721; Oct. 30.
 Switch: See—
 Flasher switch.
 Heat coil operated thermostat switch.
 Tabulator. A. F. Turner. 2,387,863; Oct. 30.
 Tap, Hollow. E. M., E. M., Jr., and J. M. Tucker. 2,388,022; Oct. 30.
 Taste and odor removal from organic compounds. H. C. Hetherington. 2,388,148; Oct. 30.
 Telegraph system, Party-line printing. L. A. Gardner and K. W. Richards. 2,388,136; Oct. 30.
 Telephone set, Key-equipped. S. T. Curran. 2,387,719; Oct. 30.
 Telephone system, Selective ringing. C. G. Miller. 2,388,071; Oct. 30.
 Television apparatus, Stereoscope. H. J. De N. McCollum. 2,388,170; Oct. 30.
 Tensiometer. E. A. Black. 2,387,737; Oct. 30.
 Tension control device. G. S. Carbonneau. 2,388,121; Oct. 30.
 Tension control mechanism. C. J. Arrington. 2,387,869; Oct. 30.
 Testing machine, Can. A. M. Cameron and V. Lelinski. 2,387,743; Oct. 30.
 Thermal deposition of metals in a vacuum. P. Alexander. 2,387,970; Oct. 30.
 Threaded sheet metal plug. W. C. Grosser. 2,387,990; Oct. 30.
 Thresher. R. F. Jones. 2,387,796; Oct. 30.
 Tie clip. S. Visas. 2,388,196; Oct. 30.
 Tilting mechanism for Venetian blinds. R. C. Larson. 2,388,000; Oct. 30.
 Timing system for sorting apparatus, Electronic. C. E. Smith. 2,387,952; Oct. 30.
 Toaster, Automatic. N. B. Wales. 2,387,817; Oct. 30.
 Toluene, Recovering. C. R. Clark. 2,388,040; Oct. 30.
 Tool: See—
 Garden tool.
 Hand tool.
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 Universal type grinding tool.
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 Torpedo setter, Railroad. L. T. Kirk. 2,387,915; Oct. 30.
 Toy horse. N. F. Atherton. 2,388,110; Oct. 30.
 Track for crawler type vehicles, Separable. R. Mayne. 2,387,802; Oct. 30.
 Track, Race. V. J. Schmidt. 2,387,859; Oct. 30.
 Traffic signal. W. B. Terry. 2,387,953; Oct. 30.
 Trainer, Director. R. C. Darnell. 2,387,749; Oct. 30.
 Transducer, Electroacoustic. W. R. Harry. 2,387,845; Oct. 30.

Transmission device, Power. M. Ingwer and W. W. Schwarz. 2,387,910; Oct. 30.
 Transmission line. G. L. Tawney. 2,387,783; Oct. 30.
 Transmission, Planetary. W. B. Barnes. 2,388,204; Oct. 30.
 Transmission system. H. S. Black. 2,387,712; Oct. 30.
 Transmission system, Signal. A. V. Loughren. 2,388,001; Oct. 30.
 Transmitter, Radio-frequency. J. N. Whitaker. 2,388,233; Oct. 30.
 Transportation load and preparing the same. D. F. Hedges. 2,387,902; Oct. 30.
 Trap. R. Smith. 2,387,811; Oct. 30.
 Trigger. R. Wiles. 2,387,788; Oct. 30.
 Trona, Solution mining of. R. D. Pike. 2,388,009; Oct. 30.
 Truck, Fork lift. G. L. Clapp. 2,387,744; Oct. 30.
 Tube: See—
 Collapsible tube.
 Tube instrument, Temperature compensated bourdon. R. J. Ingham, Jr. 2,387,909; Oct. 30.
 Turret for mobile tanks, Gun. W. M. Pohl. 2,388,010; Oct. 30.
 Typewriting machine. C. Walker. 2,387,785; Oct. 30.
 Universal type grinding tool. I. F. Suwa. 2,388,020; Oct. 30.
 Unsaturated compounds, Production of. H. G. Kirschenbauer. 2,388,158; Oct. 30.
 Valve: See—
 Packless valve.
 Quick-acting control valve.
 Valve. G. I. Holmes. 2,387,792-3; Oct. 30.
 Valve apparatus. E. A. Rockwell. 2,388,220; Oct. 30.
 Valve seat grinding tool. P. Weyand. 2,387,787; Oct. 30.
 Vaned elements, Making. A. Y. Dodge. 2,387,722; Oct. 30.
 Vapor-electric device. H. A. Rose and J. H. Cox. 2,387,946; Oct. 30.
 Vapor generation. G. W. Kessler. 2,387,998; Oct. 30.
 Vaporization of organic compounds. J. M. Weiss. 2,388,198; Oct. 30.
 Vat, Liquid, Temperatizing. F. J. McCullough. 2,388,003; Oct. 30.
 Vehicle spring suspension. D. F. Bailey. 2,387,732; Oct. 30.
 Viewing device for cathode ray tube screens and the like. G. Zindel, Jr. 2,388,203; Oct. 30.
 Vise. W. Haas. 2,387,991; Oct. 30.
 Visual fluid flow indicator. L. R. Olsen. 2,387,805; Oct. 30.
 Washing machine drive. J. Oakley. 2,388,175-6; Oct. 30.
 Wave length modulation. G. L. Usselman. 2,388,098; Oct. 30.
 Web drier. M. E. Hanson. 2,388,226; Oct. 30.
 Welding materials and processes. C. A. Cadwell. 2,387,715; Oct. 30.
 Welding system. L. O. Dorfman. 2,387,889; Oct. 30.
 Well screen. V. F. Every. 2,387,725; Oct. 30.
 Welts in straight knitting machines, Forming. H. J. Straussberger. 2,387,780; Oct. 30.
 Wheel: See—
 Solid tire cushion wheel.
 Winding machine. W. Siegenthaler. 2,387,949; Oct. 30.
 Window, Storm. J. M. Drab. 2,388,044; Oct. 30.
 Windshield cleaner. A. C. Scinta. 2,388,089; Oct. 30.
 Wringer. N. L. Eitten. 2,388,207; Oct. 30.
 X-ray dosage indicator. W. H. Dimsdale and A. E. Clarke. 2,387,887; Oct. 30.
 Yarn and fabric, Composite. W. H. Hall, Jr. 2,388,140; Oct. 30.
 Yarn and process, Cellulose acetate. R. M. Hoffman. 2,387,791; Oct. 30.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 30, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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